

REFERENCE
HANDBOOK

4808

Multifunction Calibrator



REFERENCE HANDBOOK

for

THE DATRON 4808 MULTIFUNCTION CALIBRATOR

Servicing Diagrams

and

Component Lists



This product complies with the requirements of the following European Community Directives:
89/336/EEC (Electromagnetic Compatibility) and 73/23/EEC (Low Voltage)
as amended by 93/68/EEC (CE Marking).

However, noisy or intense electromagnetic fields in the vicinity of the equipment can disturb the measurement circuit. Users should exercise caution and use appropriate connection and cabling configurations to avoid misleading results when making precision measurements in the presence of electromagnetic interference.

For any assistance contact your nearest Datron Sales and Service center.
Addresses can be found at the back of this handbook.

850278

Issue 1 (NOV 1991)

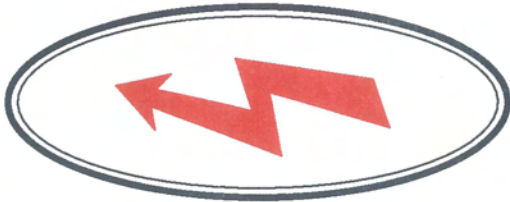
Due to our policy of continuously updating our products, this handbook may contain minor differences in specification, components and circuit design to the instrument actually supplied. Amendment sheets precisely matched to your serial number are available on request.



DANGER
HIGH VOLTAGE



**THIS INSTRUMENT IS CAPABLE
OF DELIVERING
A LETHAL ELECTRIC SHOCK !**



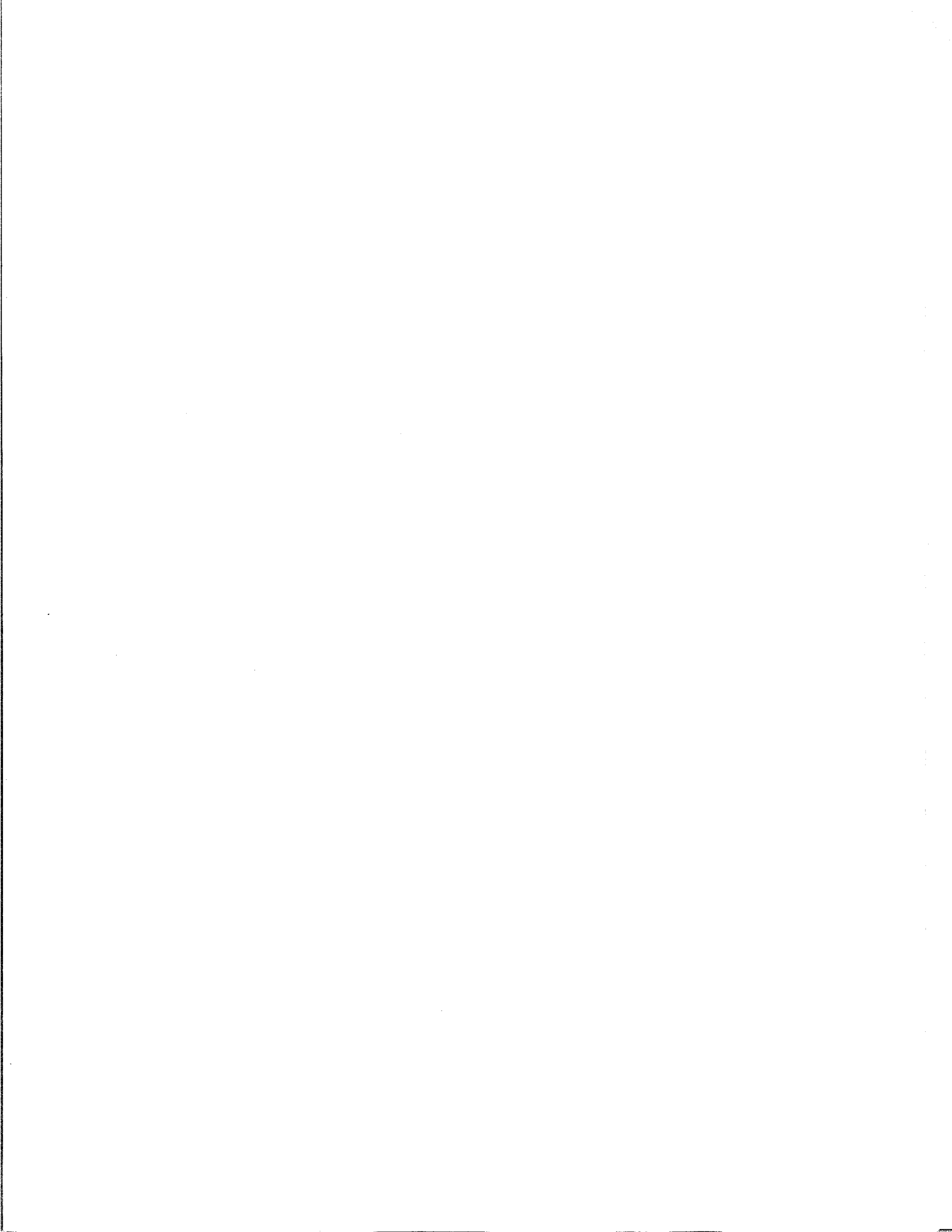
FRONT or REAR terminals
Carry the Full Output Voltage
THIS CAN KILL !



Guard terminal is sensitive to
over-voltage
**It can damage your
instrument !**

Unless **you** are **sure** that it is **safe** to do so,
DO NOT TOUCH
the **I+ I- Hi** or **Lo leads** and **terminals**

DANGER



SECTION 11 4808 SERVICING DIAGRAMS

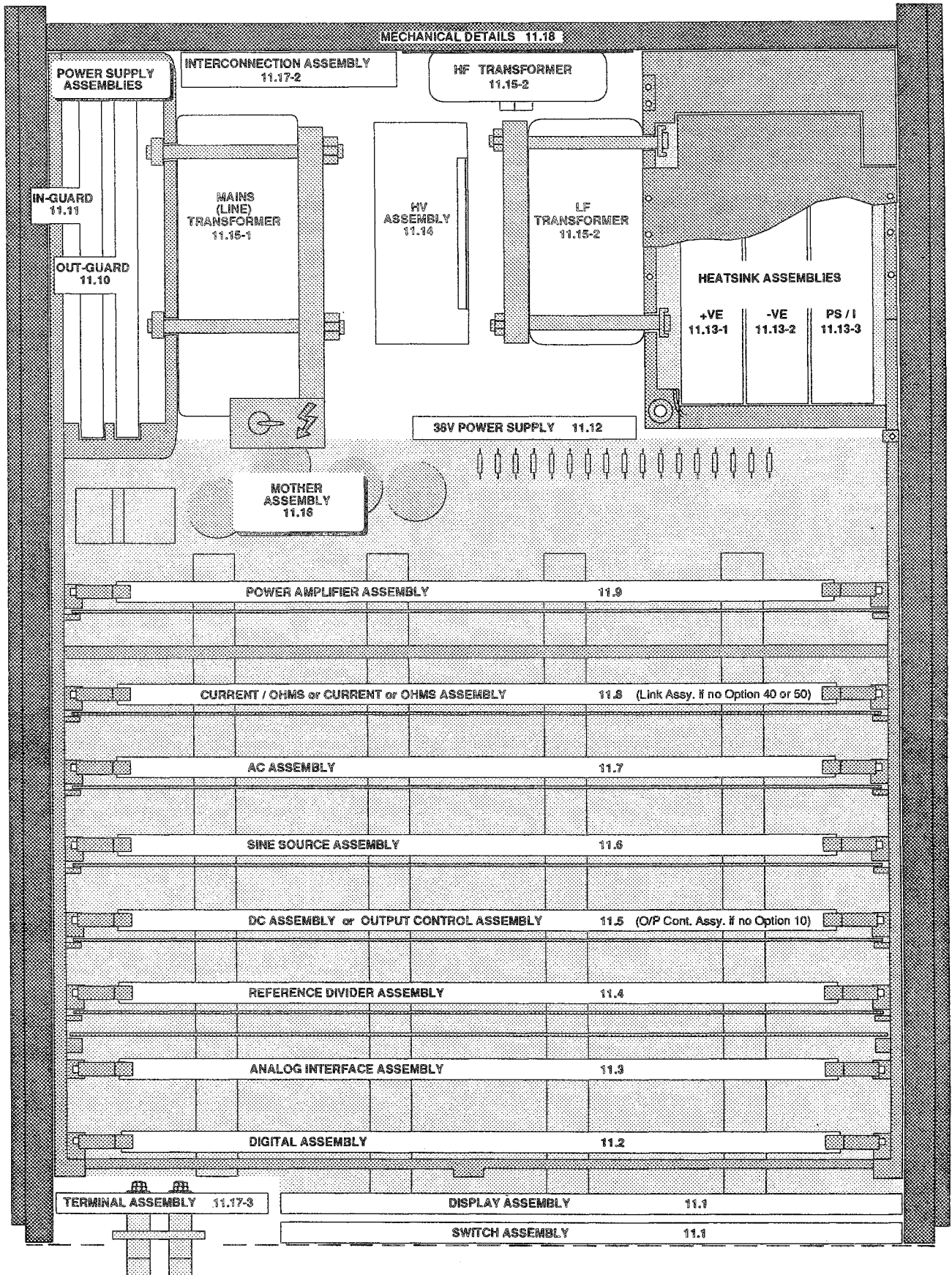


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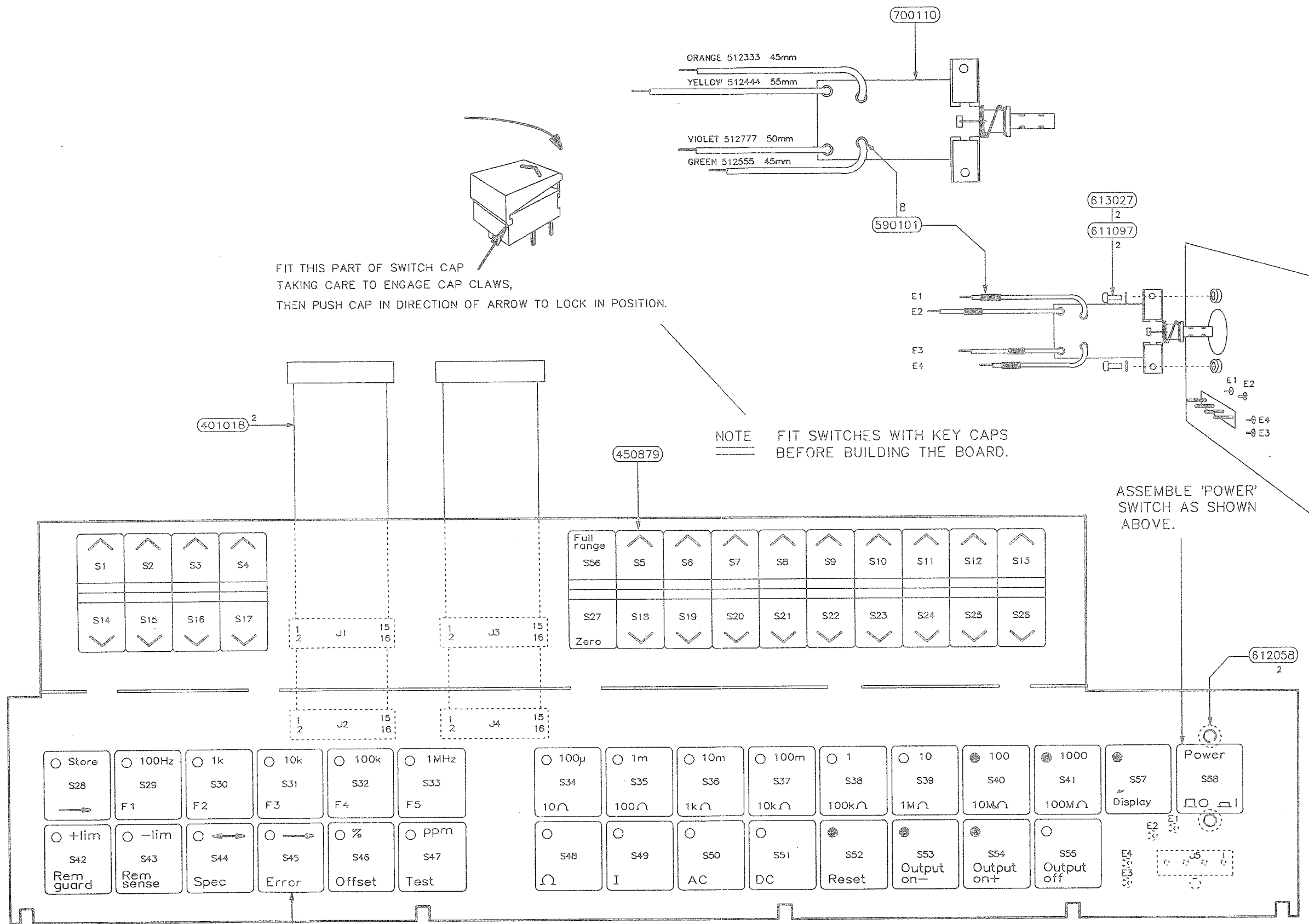
AC RMS Sense Assembly

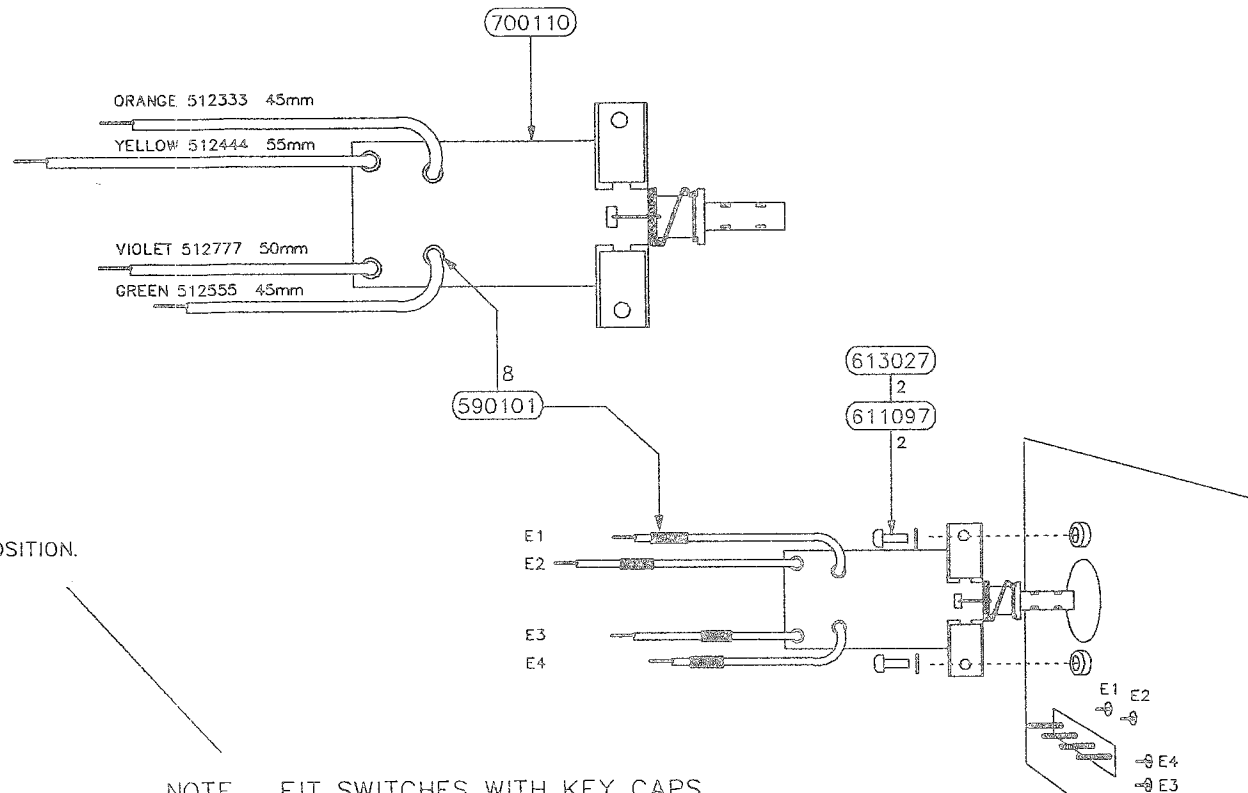
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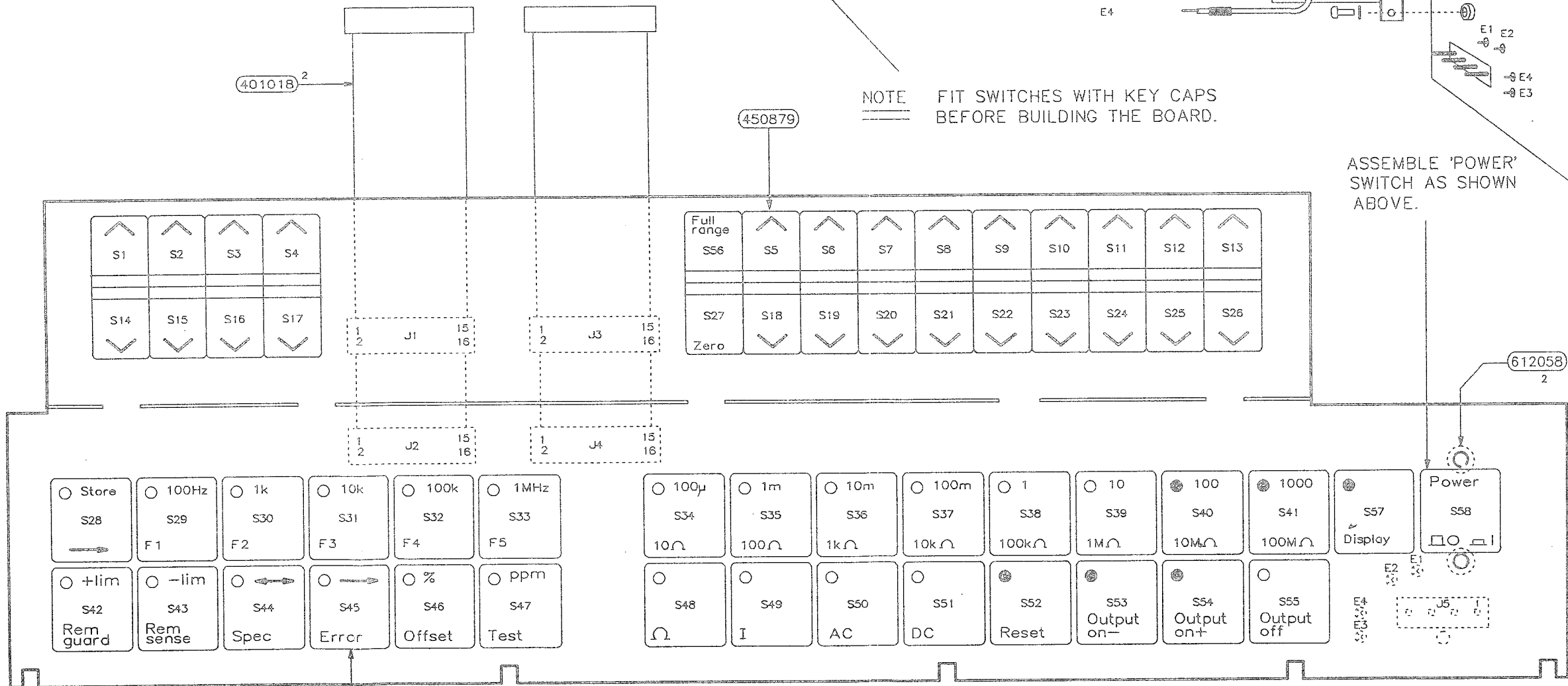




FIT THIS PART OF SWITCH CAP
TAKING CARE TO ENGAGE CAP CLAWS,
THEN PUSH CAP IN DIRECTION OF ARROW TO LOCK IN POSITION.

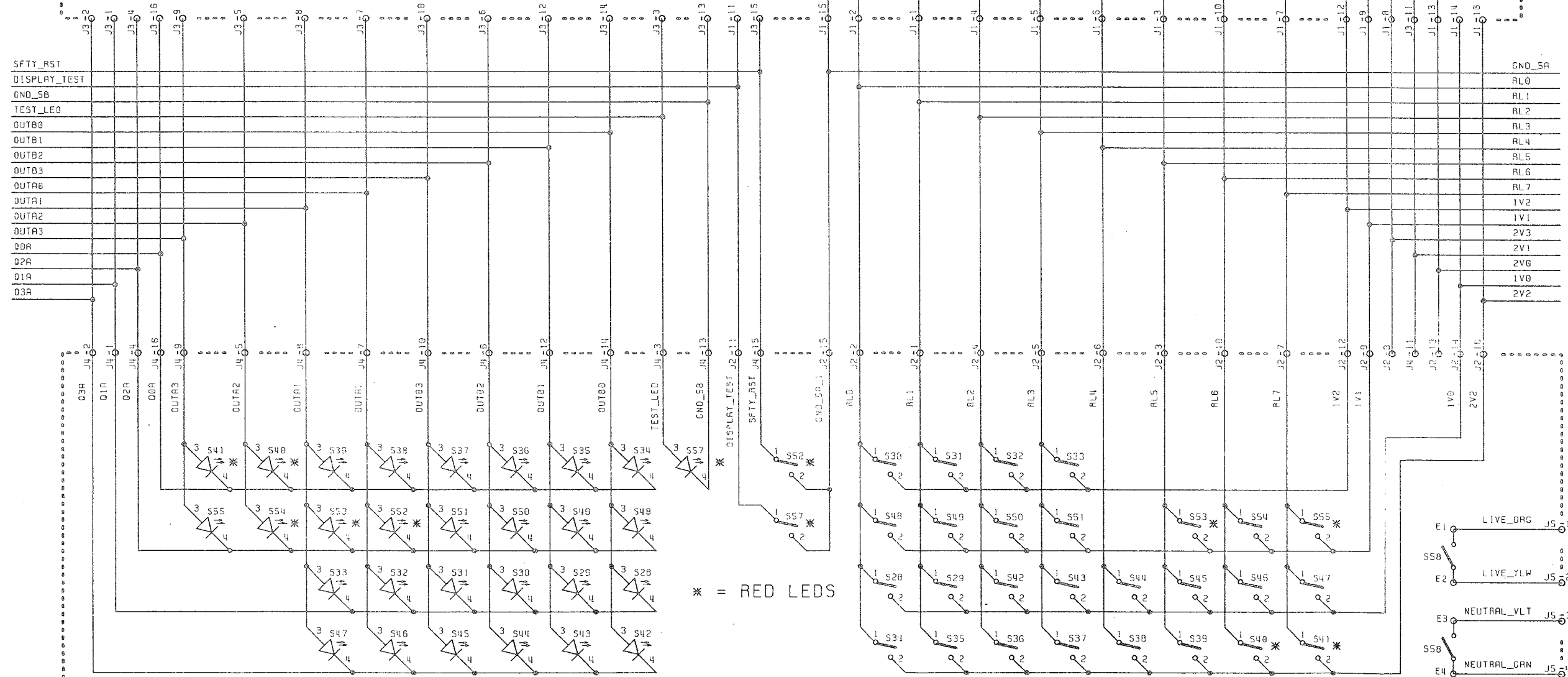
NOTE FIT SWITCHES WITH KEY CAPS
BEFORE BUILDING THE BOARD.

ASSEMBLE 'POWER'
SWITCH AS SHOWN
ABOVE.



FRONT PANEL SWITCH ASSEMBLY

UPPER HALF OF SWITCH PCB



LOWER HALF OF SWITCH PCB



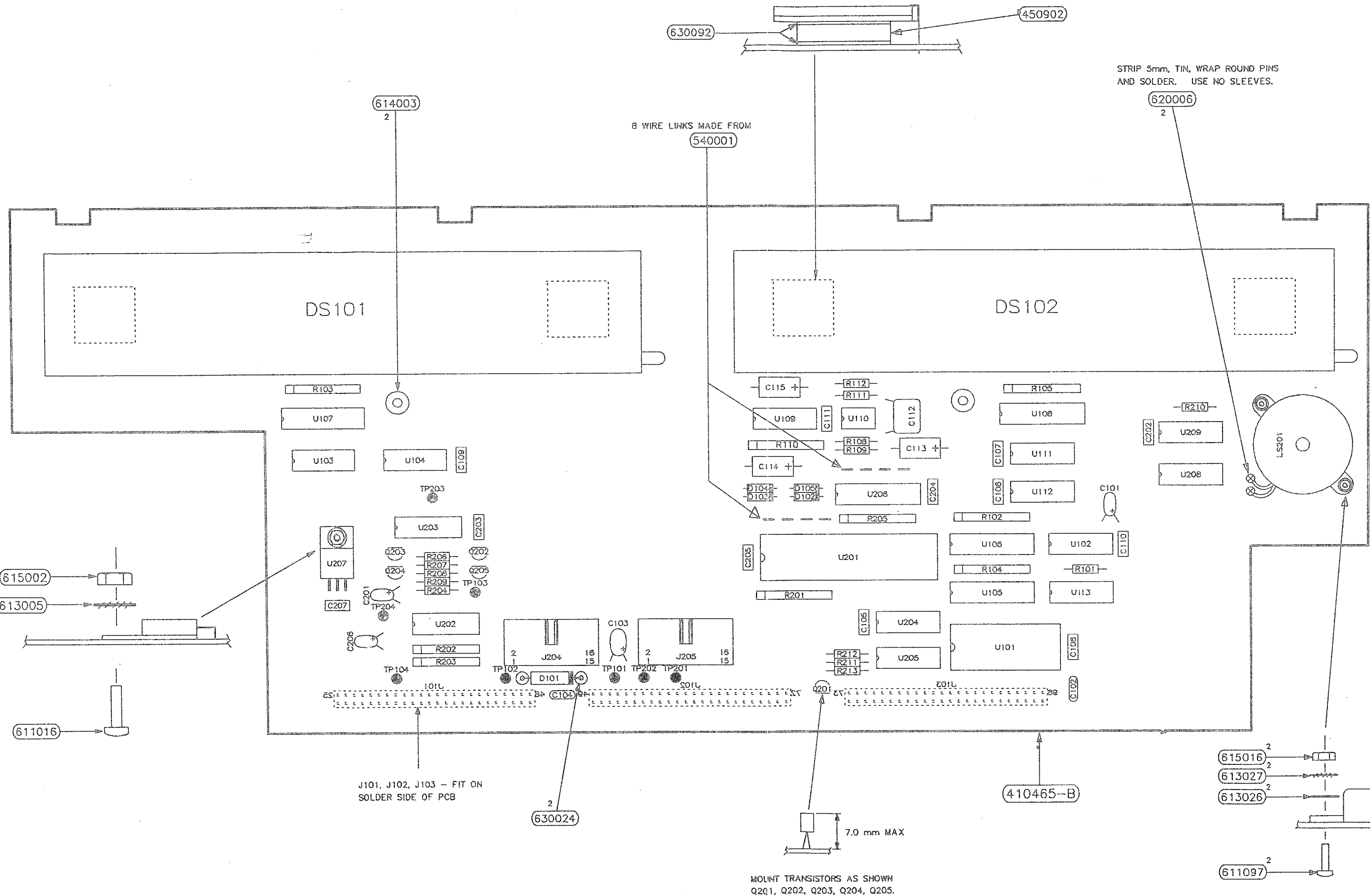
TO FRONT PCB ASSY 400993

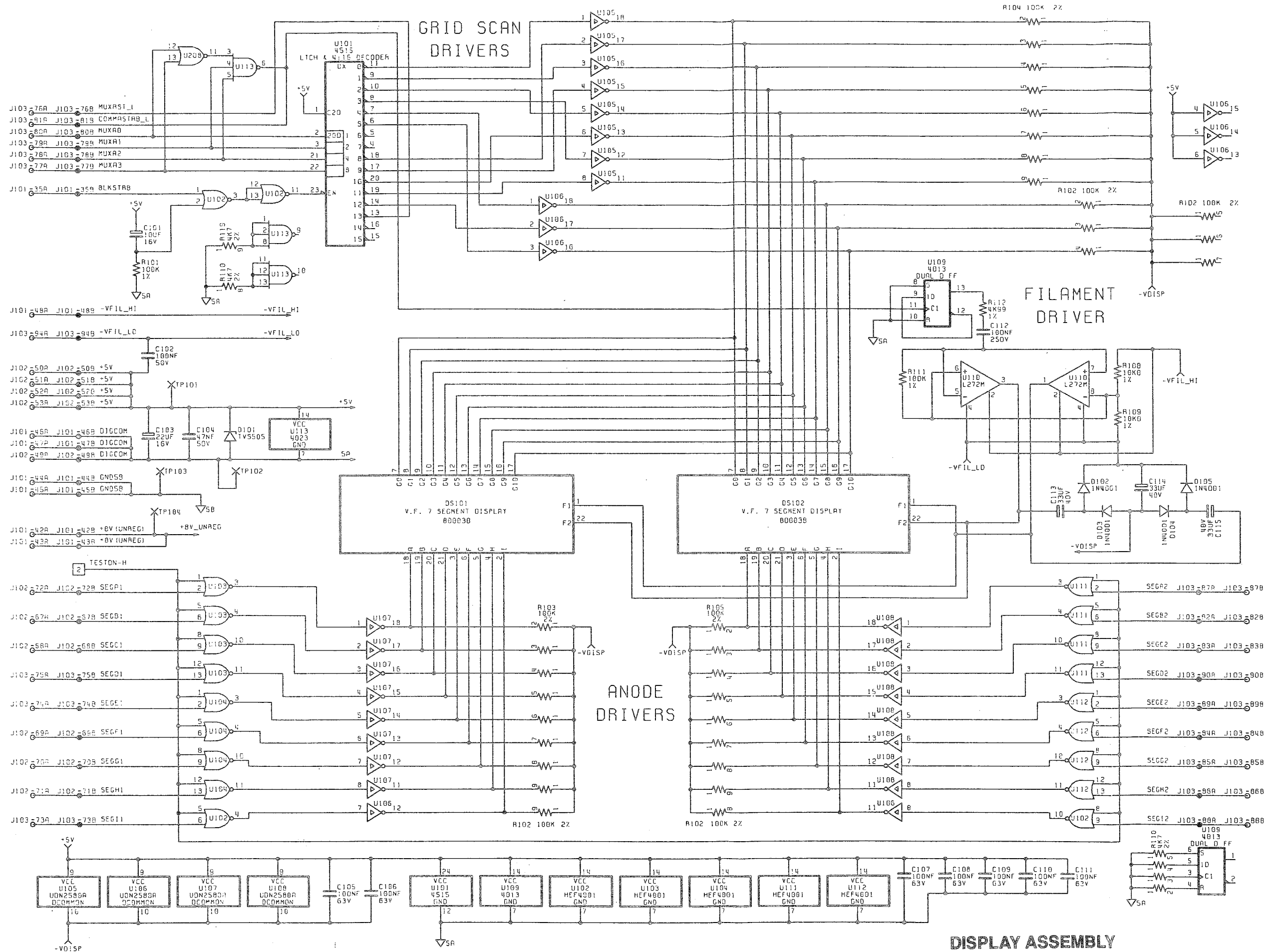
TO FRONT PCB ASSY 400993

* = RED LEDES

FRONT PANEL SWITCH ASSEMBLY
Switches and LEDs







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DISPLAY ASSEMBLY

Display Drivers

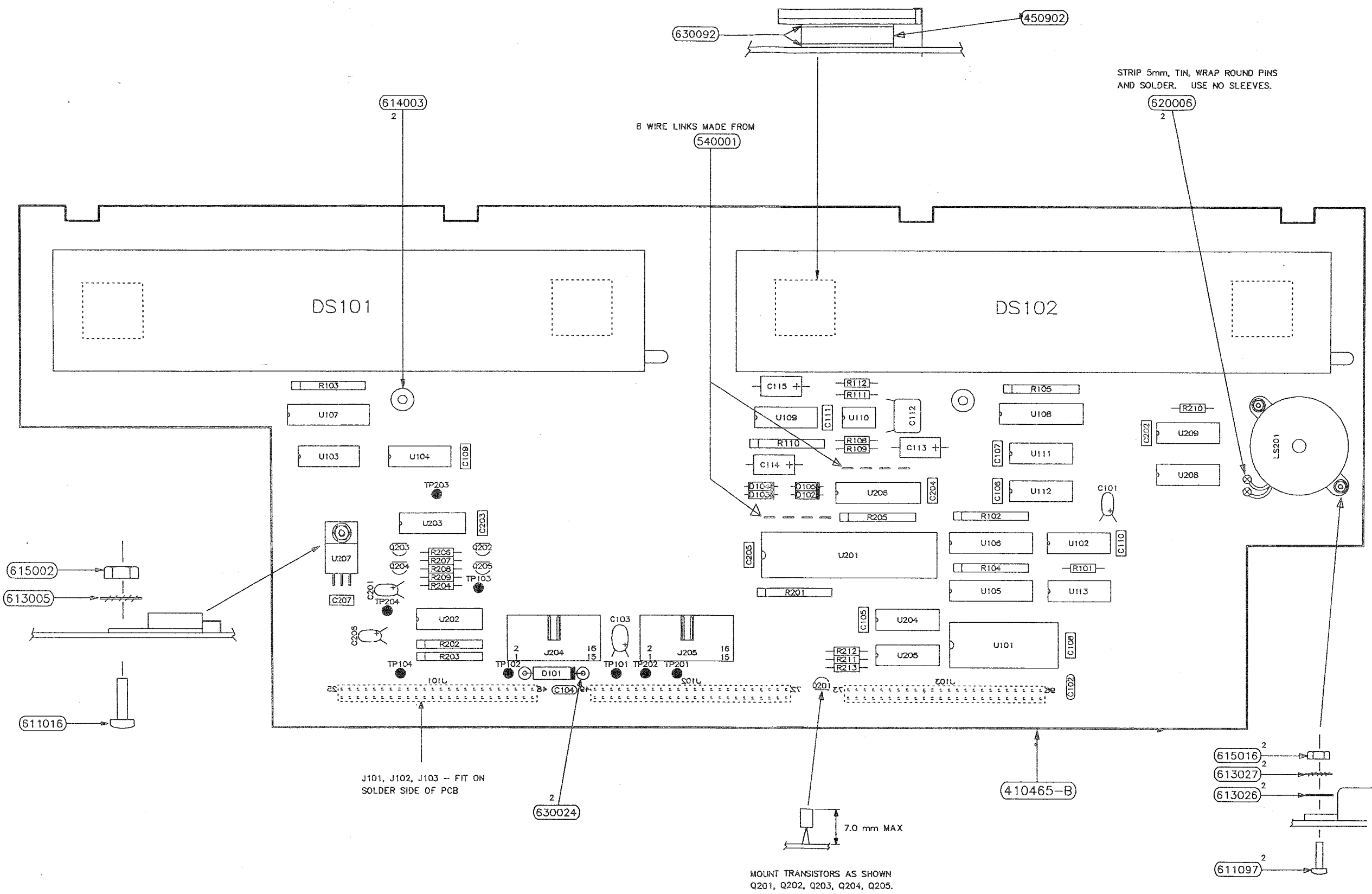
Circuit Diagram No. DC400993-1.0

Sheet 1

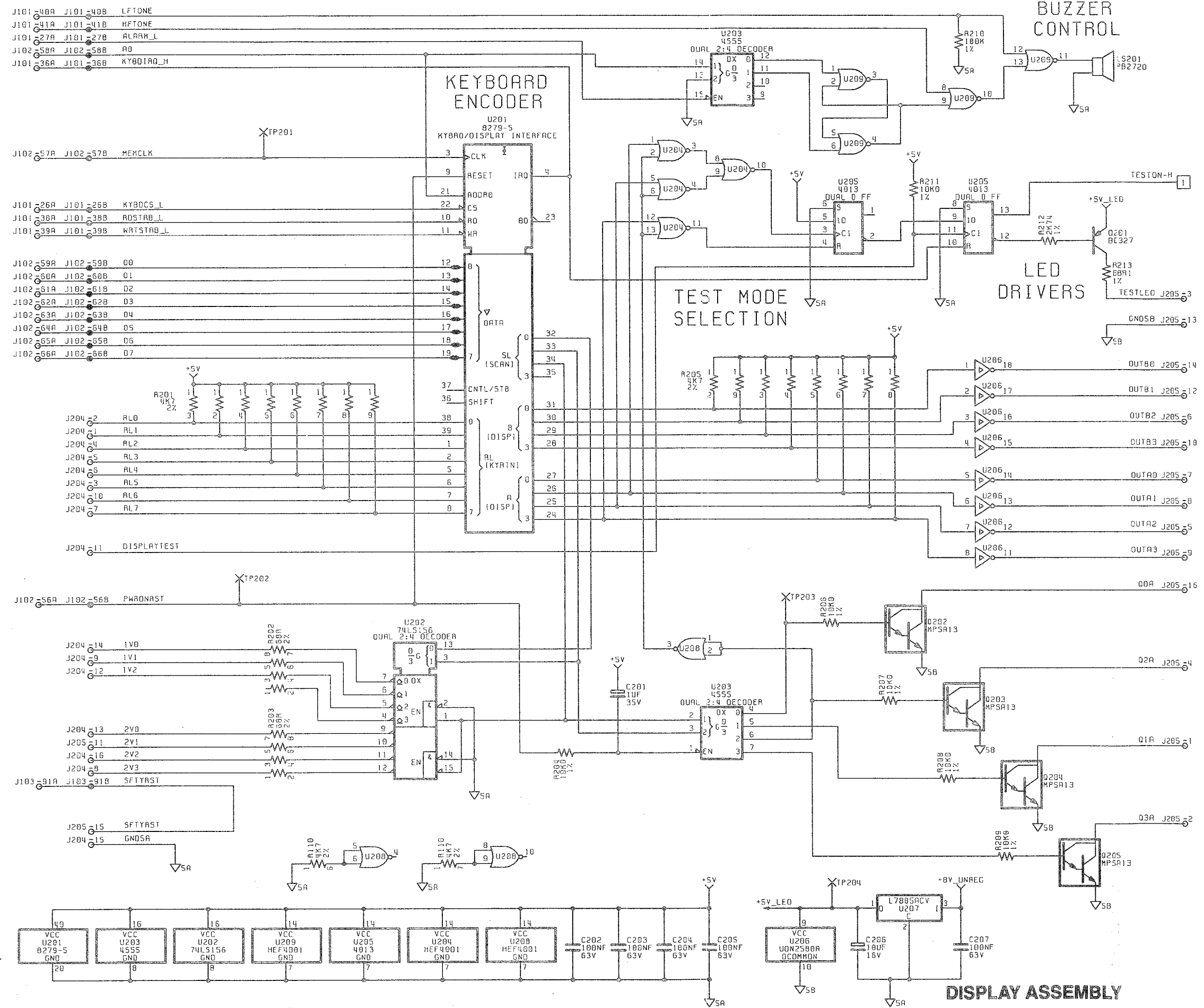


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STRIP 5mm, TIN, WRAP ROUND PINS AND SOLDER. USE NO SLEEVES.



DISPLAY ASSEMBLY



J101-25A	J101-25B
J101-26A	J101-26B
J101-27A	J101-27B
J101-28A	J101-28B
J101-29A	J101-29B
J101-30A	J101-30B
J101-31A	J101-31B
J101-32A	J101-32B
J101-33A	J101-33B
J101-34A	J101-34B
J101-35A	J101-35B

J102-54A	J102-54B
J102-55A	J102-55B
J103-92A	J103-92B
J103-93A	J103-93B
J103-94A	J103-94B
J103-95A	J103-95B

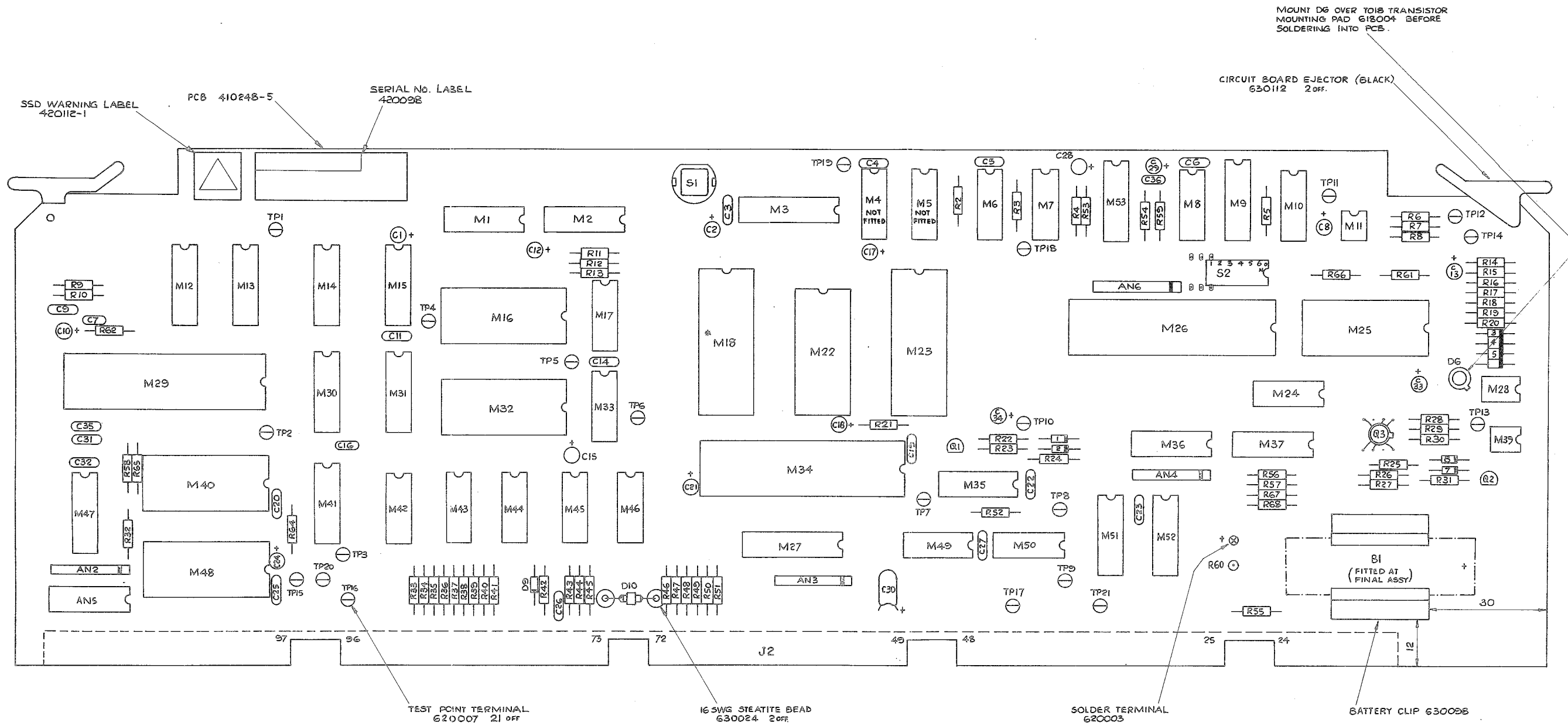
DISPLAY ASSEMBLY
Keyboard Encoder and LED Drivers

Circuit Diagram No. DC400993-1.1

Sheet 2



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MOUNT D6 OVER TO18 TRANSISTOR MOUNTING PAD 618004 BEFORE SOLDERING INTO PCB.

CIRCUIT BOARD EJECTOR (BLACK) 630112 2 OFF.

SSD WARNING LABEL 420112-1
PCB 410248-5
SERIAL No. LABEL 420098

TEST POINT TERMINAL 620007 21 OFF

16 SWGS STEATITE BEAD 630024 2 OFF

SOLDER TERMINAL 620003

BATTERY CLIP 630008

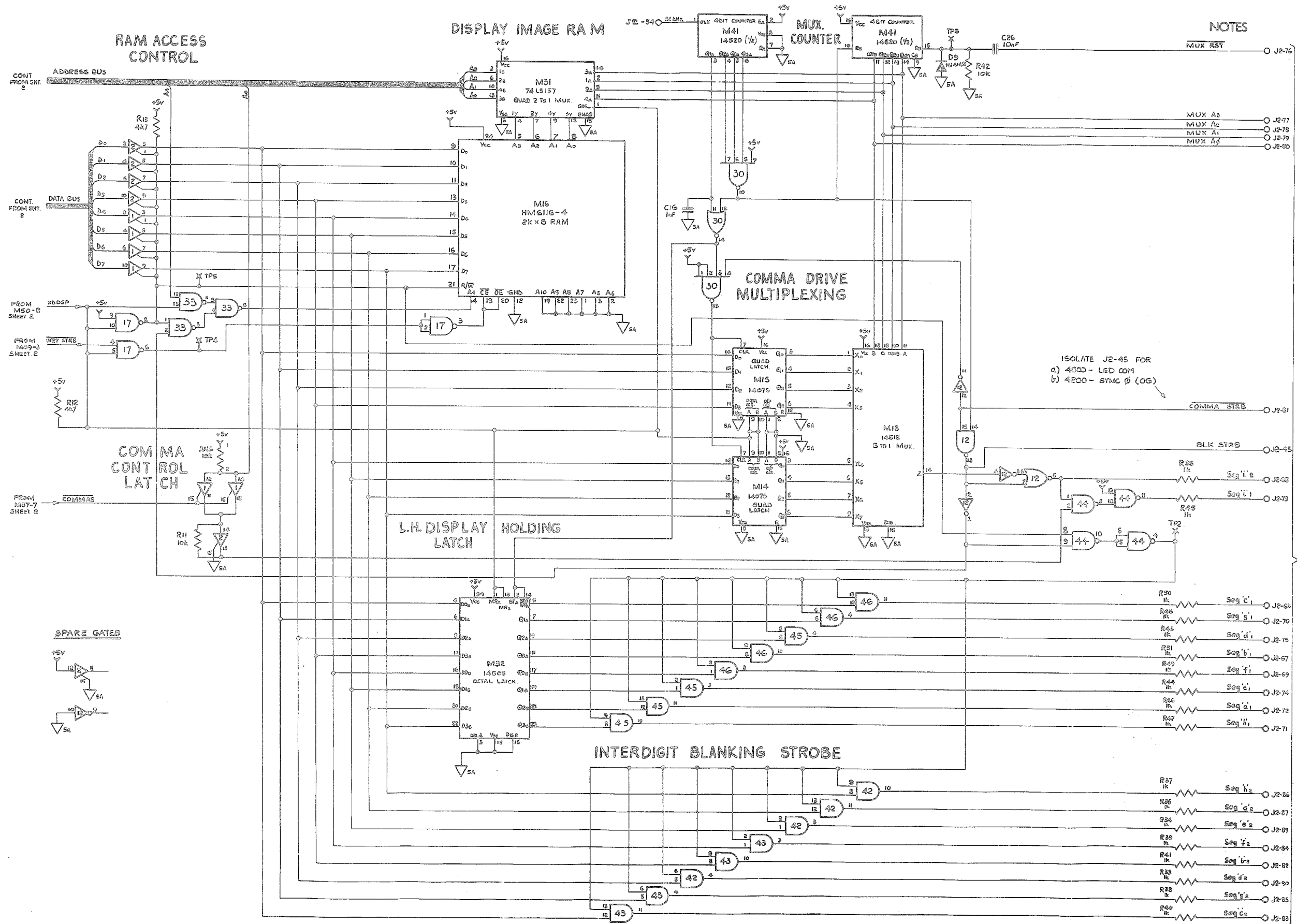
* NOTE: M18 IS NOT FITTED AT THIS STAGE

MOUNTING IC's.			
No. OF WAYS	PART No.	No. OFF	USED POSITIONS
6	605066	2	M11, M39
8	605059	1	M28
14	605060	14	M6-M8, M10, M17, M24, M33, M42-M46, M49, M50
16	605061	17	M1, M2, M9, M12-M15, M30, M31, M35-M37, M41, M47, M51-M53
20	605070	2	M3, M27
24	605064	6	M16, M22, M25, M32, M40, M48
28	605065	2	M18, M23
40	605050	3	M26, M29, M34

THE FOLLOWING COMPONENTS TO HAVE ONE GLASS BEAD 630243 ON EACH LEG: 28 OFF.
C5-C6, C9, C11, C14, C19, C20, C22, C23, C25, C27 & C32.



DIGITAL ASSEMBLY

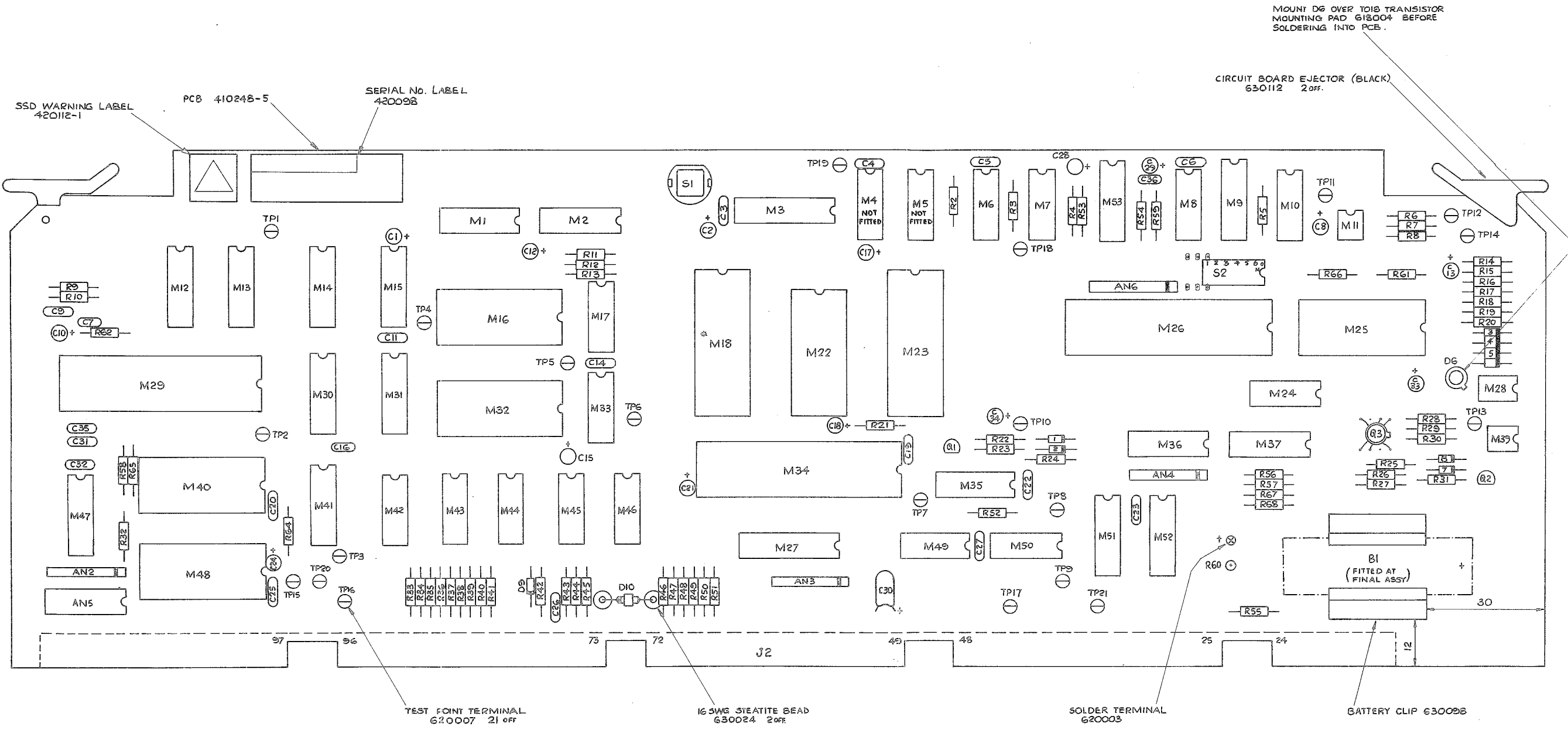


DIGITAL ASSEMBLY
Display Multiplexing Logic

Circuit Diagram No. 430796-2.0 Sheet 1



© Datron Instruments 1991



MOUNT D6 OVER T018 TRANSISTOR MOUNTING PAD 618004 BEFORE SOLDERING INTO PCB.

CIRCUIT BOARD EJECTOR (BLACK)
630112 2 off.

TEST POINT TERMINAL
620007 21 off

16 SWG STEATITE BEAD
630024 2 off

SOLDER TERMINAL
620003

BATTERY CLIP 630098

* NOTE:
M18 IS NOT FITTED AT THIS STAGE

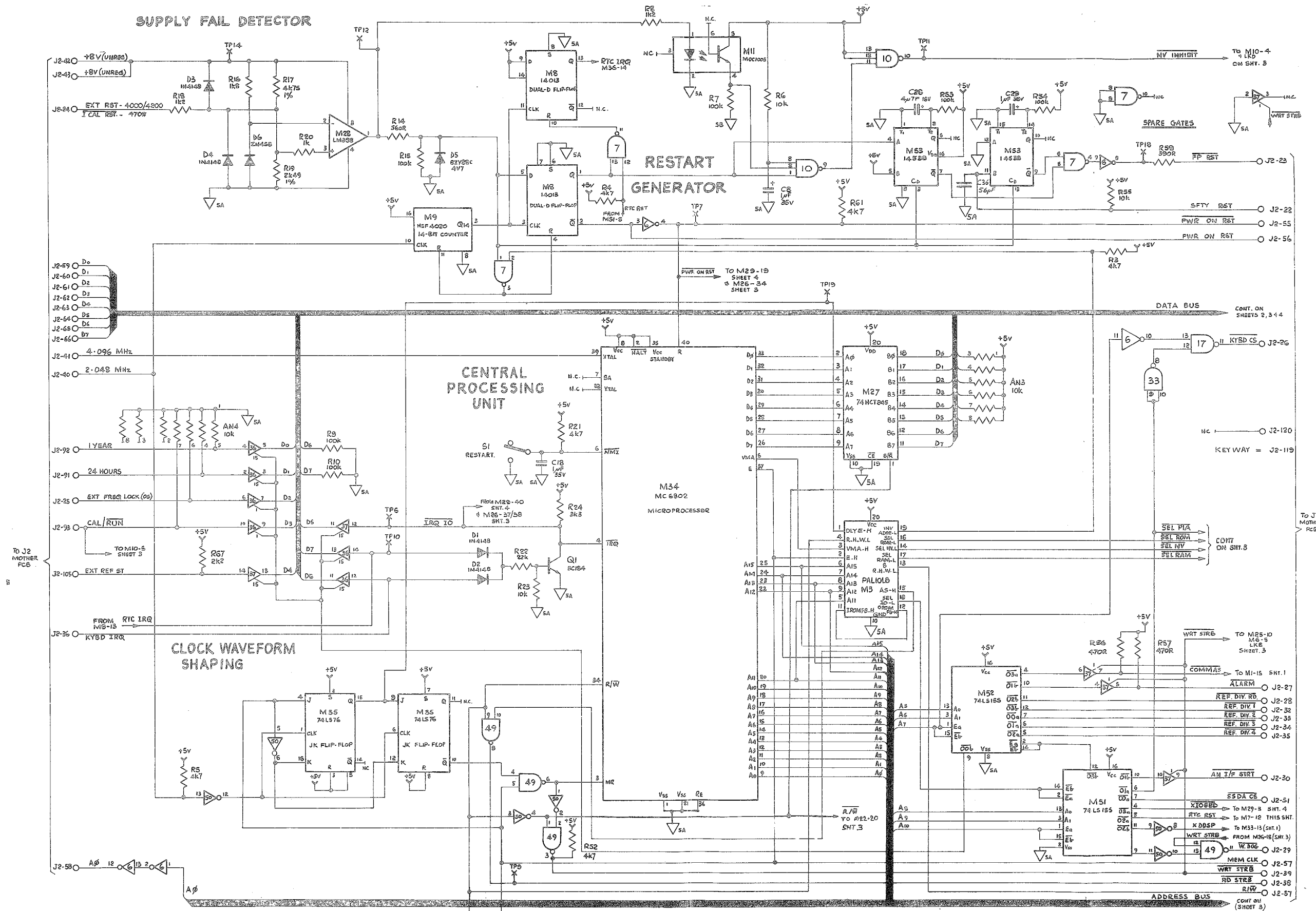
MOUNTING I.C.'s.			
No. OF WAYS	PART No.	No. OFF	USED POSITIONS
6	605066	2	M11, M39
8	605059	1	M28
14	605060	14	M6-M8, M10, M17, M24, M33, M42-M46, M49, M50
16	605061	17	M1, M2, M9, M12-M15, M30, M31, M35-M37, M41, M47, M51-M53
20	605070	2	M3, M27
24	605064	6	M16, M22, M25, M32, M40, M48
28	605065	2	M18, M23
40	605050	3	M26, M29, M34

THE FOLLOWING COMPONENTS TO HAVE ONE GLASS BEAD 650243 ON EACH LEG: 25 off.
C3-C6, C9, C11, C14, C19, C20, C22, C23, C25, C27 & C32.



DIGITAL ASSEMBLY

SUPPLY FAIL DETECTOR



To J2 MOTHER PCB

To J2 MOTHER PCB

To M29-5
SHEET 4
M26-21
SHEET 5

To M29-6
SHEET 4
M26-25
SHEET 5

DIGITAL ASSEMBLY
Microprocessor

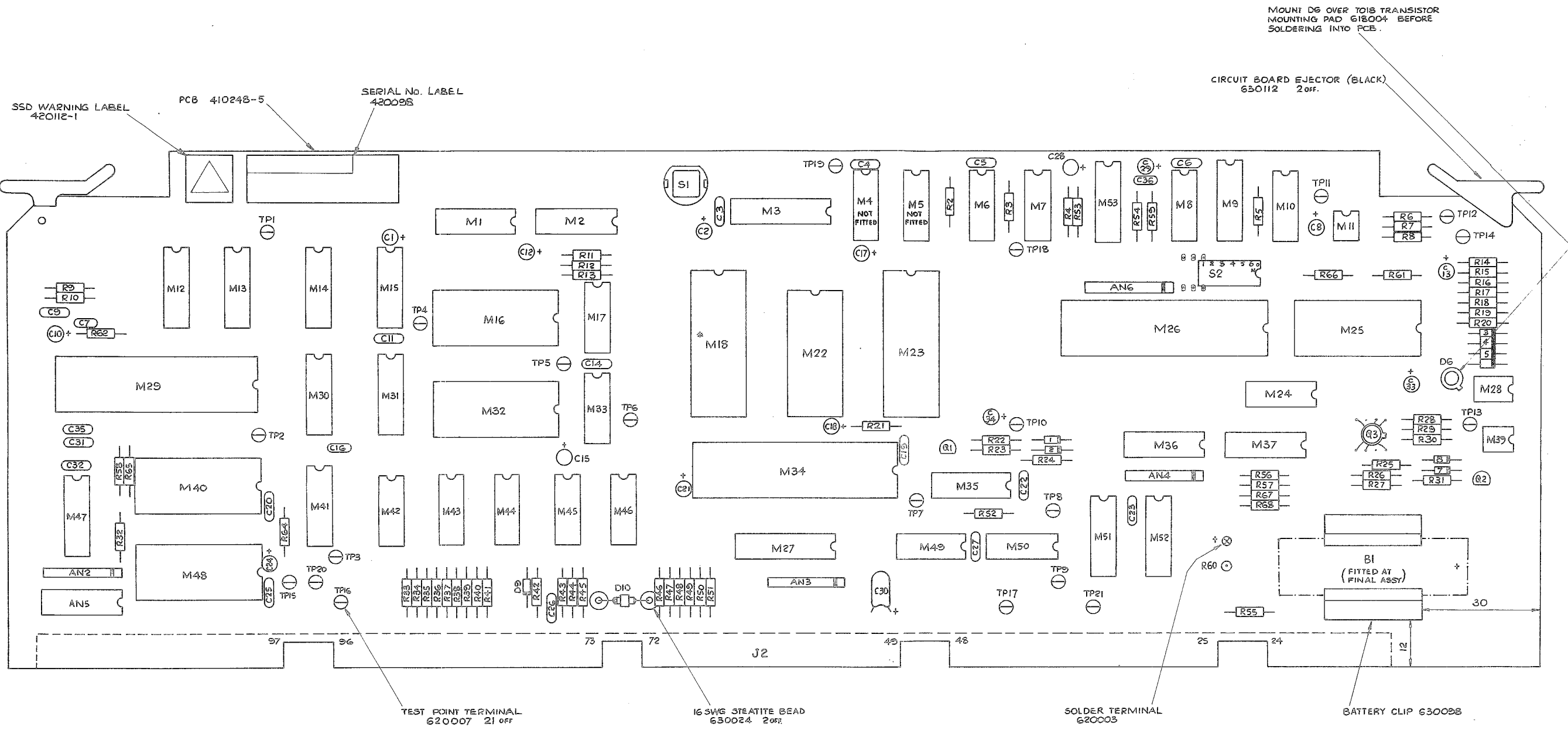
Circuit Diagram No. 430796-2.0 Sheet 2



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4808

11.2-2



TEST POINT TERMINAL
620007 21 off

16 SWG STEATITE BEAD
630024 2 off

SOLDER TERMINAL
620003

BATTERY CLIP 630028

* NOTE:
M18 IS NOT FITTED AT THIS STAGE

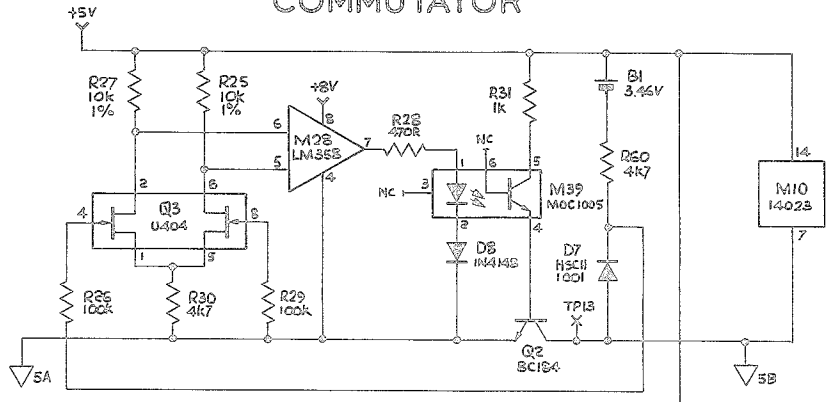
MOUNTING I.C.s.			
No. OF WAYS	PART No.	No. OFF	USED POSITIONS
6	605066	2	M11, M39
8	605059	1	M28
14	605060	14	M6, M8, M10, M17, M24, M33, M42-M46, M49, M50
16	605061	17	M1, M2, M9, M12-M15, M30, M31, M35-M37, M41, M47, M51-M53
20	605070	2	M3, M27
24	605064	6	M16, M22, M25, M32, M40, M48
28	605065	2	M18, M23
40	605050	3	M26, M29, M34

THE FOLLOWING COMPONENTS TO HAVE ONE GLASS BEAD 630243 ON EACH LEG. 28 off.
C3-C6, C9, C11, C14, C19, C20, C22, C23, C25, C27 & C32.

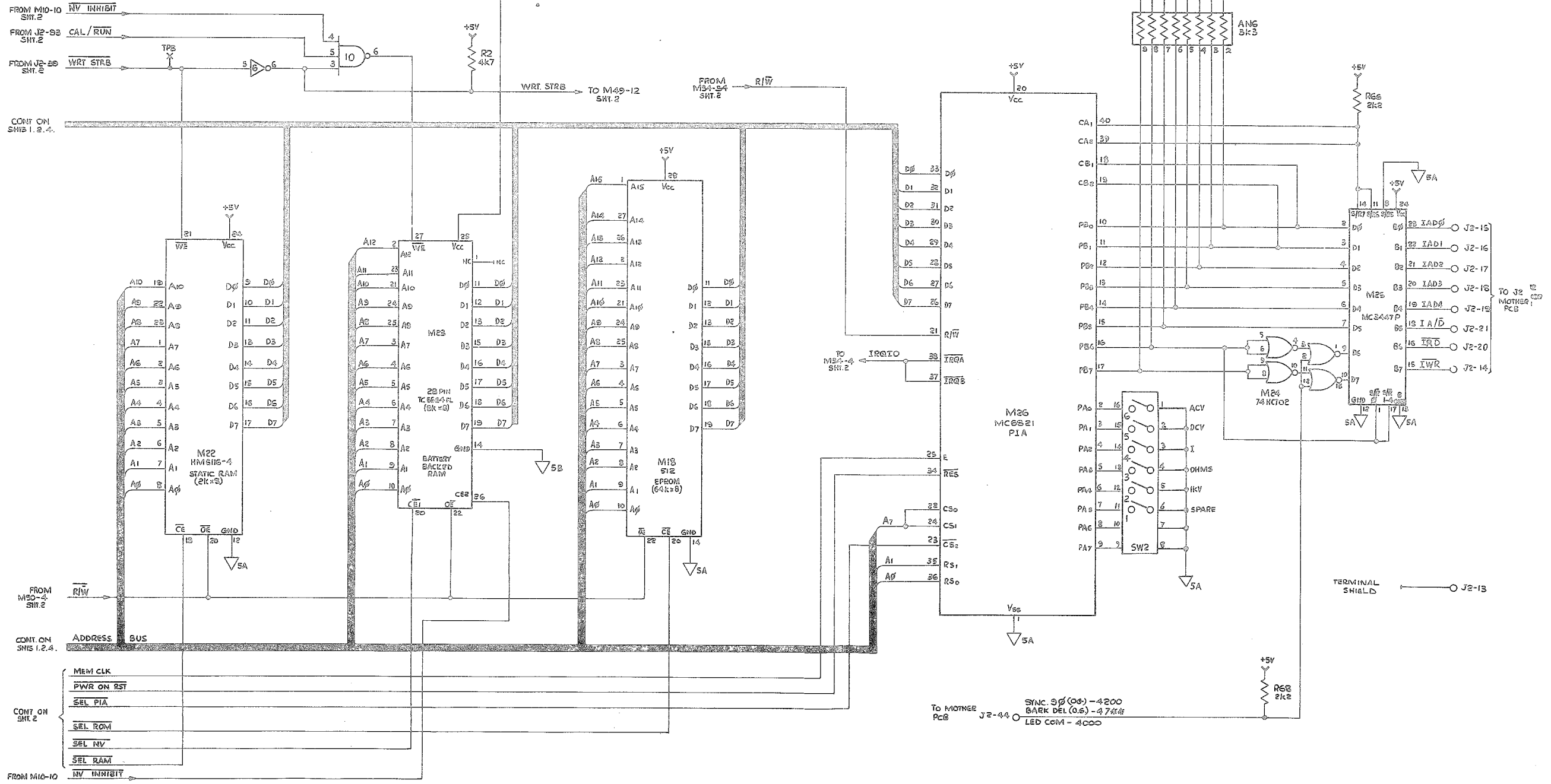


DIGITAL ASSEMBLY

NON VOLATILE RAM SUPPLY COMMUTATOR



DIGITAL BUS

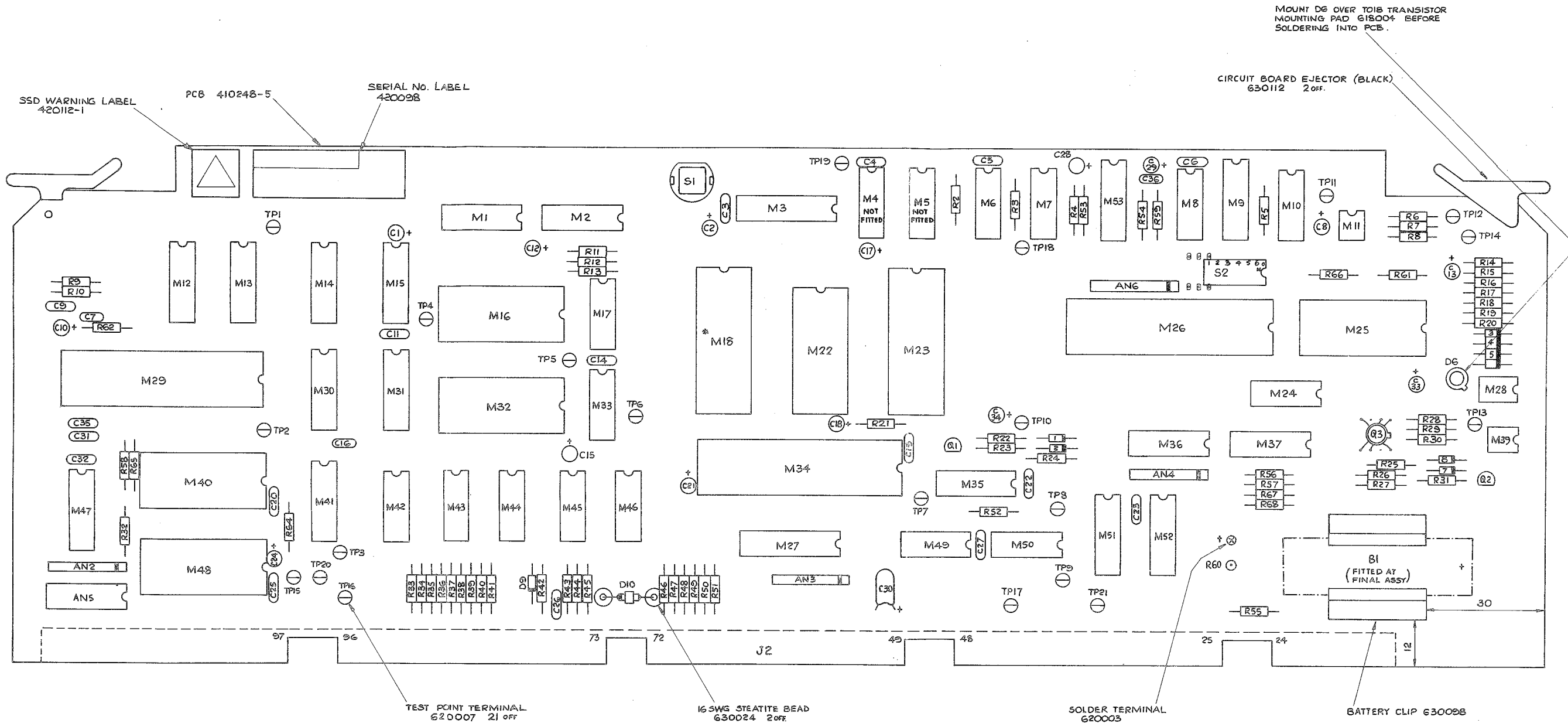


DIGITAL ASSEMBLY
Display Memory and Battery Backup

Circuit Diagram No. 430796-2.0 Sheet 3



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MOUNT D6 OVER T018 TRANSISTOR
MOUNTING PAD 618004 BEFORE
SOLDERING INTO PCB.

CIRCUIT BOARD EJECTOR (BLACK)
630112 2 OFF.

TEST POINT TERMINAL
620007 21 OFF

16 SWG STEATITE BEAD
630024 2 OFF

SOLDER TERMINAL
620003

BATTERY CLIP 630098

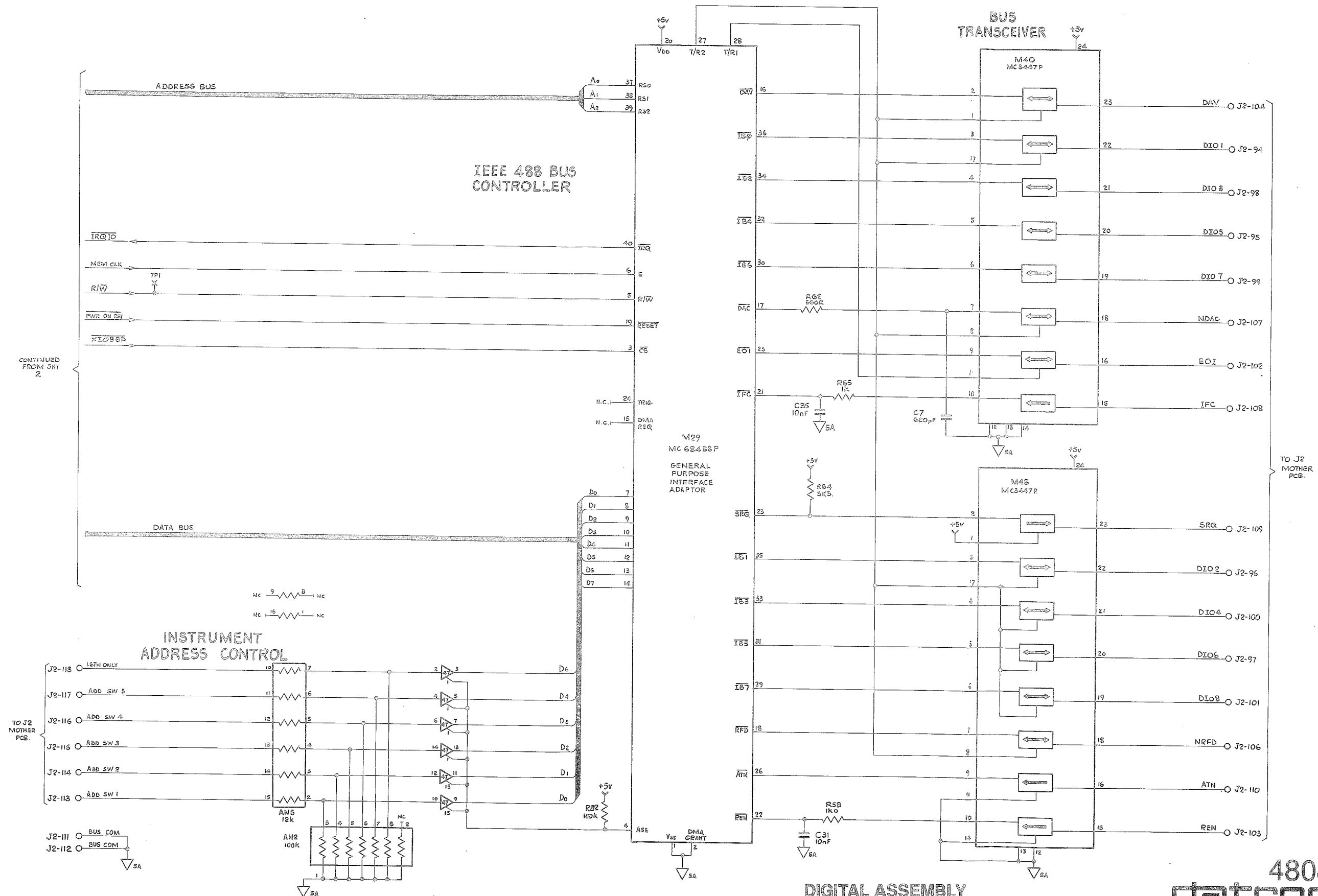
MOUNTING I.C.'s.			
No. OF WAYS	PART No.	No. OFF	USED POSITIONS
6	605066	2	M11, M39
8	605059	1	M28
14	605060	14	M6-M8, M10, M17, M24, M33, M42-M46, M49, M50
16	605061	17	M1, M2, M9, M12-M15, M30, M31, M35-M37, M41, M47, M51-M53
20	605070	2	M3, M27
24	605064	6	M16, M22, M25, M32, M40, M48
28	605065	2	M18, M23
40	605050	3	M26, M29, M34

THE FOLLOWING COMPONENTS TO HAVE ONE
GLASS BEAD 630243 ON EACH LEG: 28 OFF.
C3-C6, C9, C11, C14, C19, C20, C22, C23,
C25, C27 & C32.

* NOTE:
M18 IS NOT FITTED AT THIS STAGE



DIGITAL ASSEMBLY

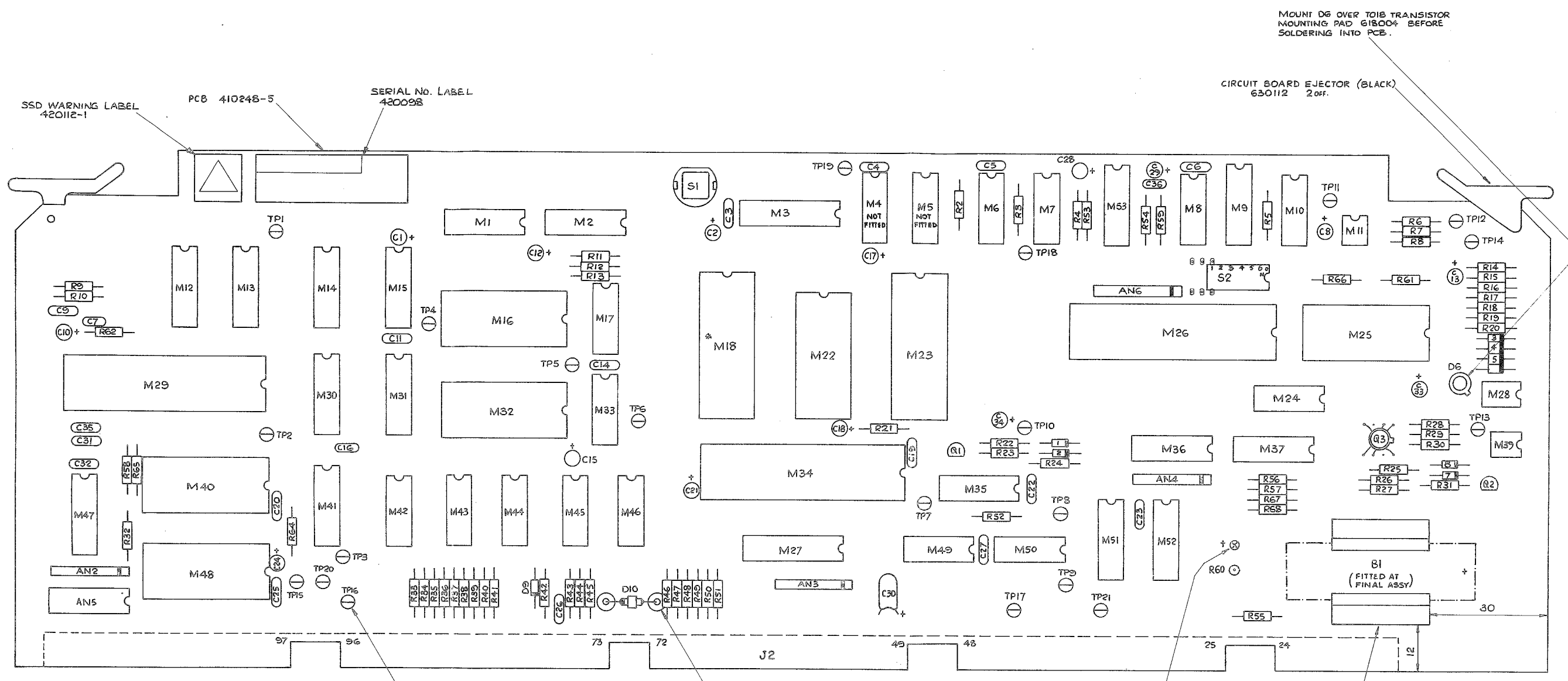


CONTINUED FROM SHEET 2

TO J2 MOTHER PCB.

DIGITAL ASSEMBLY
IEEE 488 Interface





TEST POINT TERMINAL 620007 21 off
 16 SWG STEATITE BEAD 630024 2 off
 SOLDER TERMINAL 620003
 BATTERY CLIP 630008

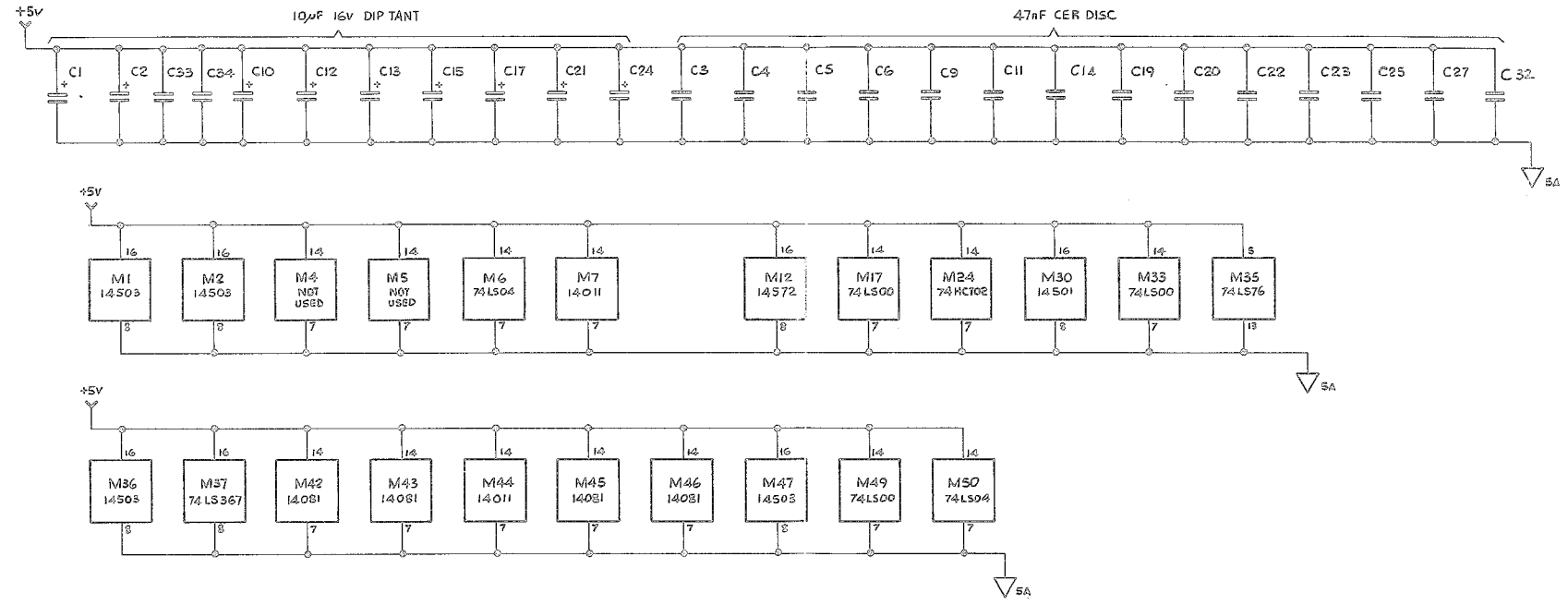
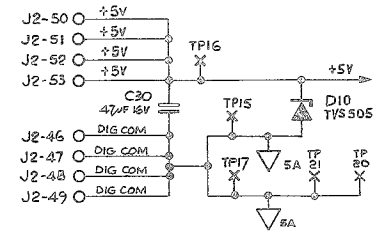
* NOTE:
 M18 IS NOT FITTED AT THIS STAGE

MOUNTING I.C.'s.			
No. OF WAYS	PART No.	No. OFF	USED POSITIONS
6	605066	2	M11, M39
8	605059	1	M28
14	605060	14	M6-M8, M10, M17, M24, M33, M42-M46, M49, M50
16	605061	17	M1, M2, M9, M12-M15, M30, M31, M35-M37, M41, M47, M51-M53
20	605070	2	M3, M27
24	605064	6	M16, M22, M25, M32, M40, M48
28	605065	2	M18, M23
40	605050	3	M26, M29, M34

THE FOLLOWING COMPONENTS TO HAVE ONE GLASS BEAD 630243 ON EACH LEG: 25 off.
 C3-C6, C9, C11, C14, C19, C20, C22, C23, C25, C27 & C32.



DIGITAL ASSEMBLY



DIGITAL ASSEMBLY
I/C Power Supplies

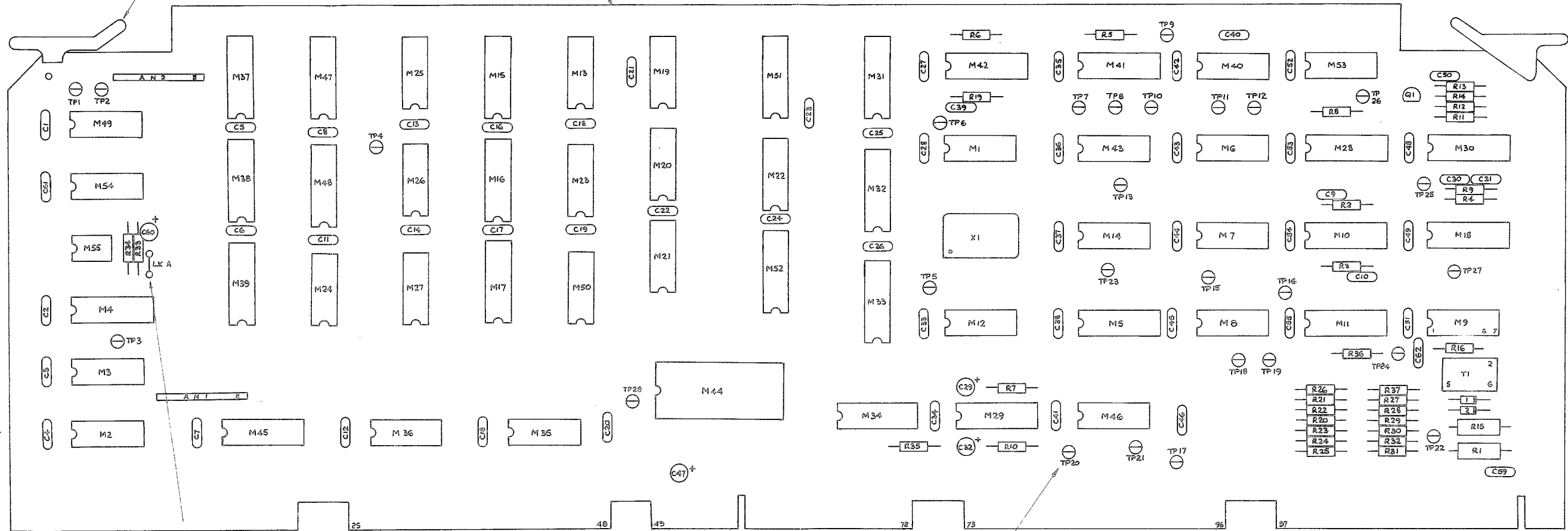
Circuit Diagram No. 430796-2.0 Sheet 5



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(BROWN) CIRCUIT BOARD EJECTOR
630117. 2 off

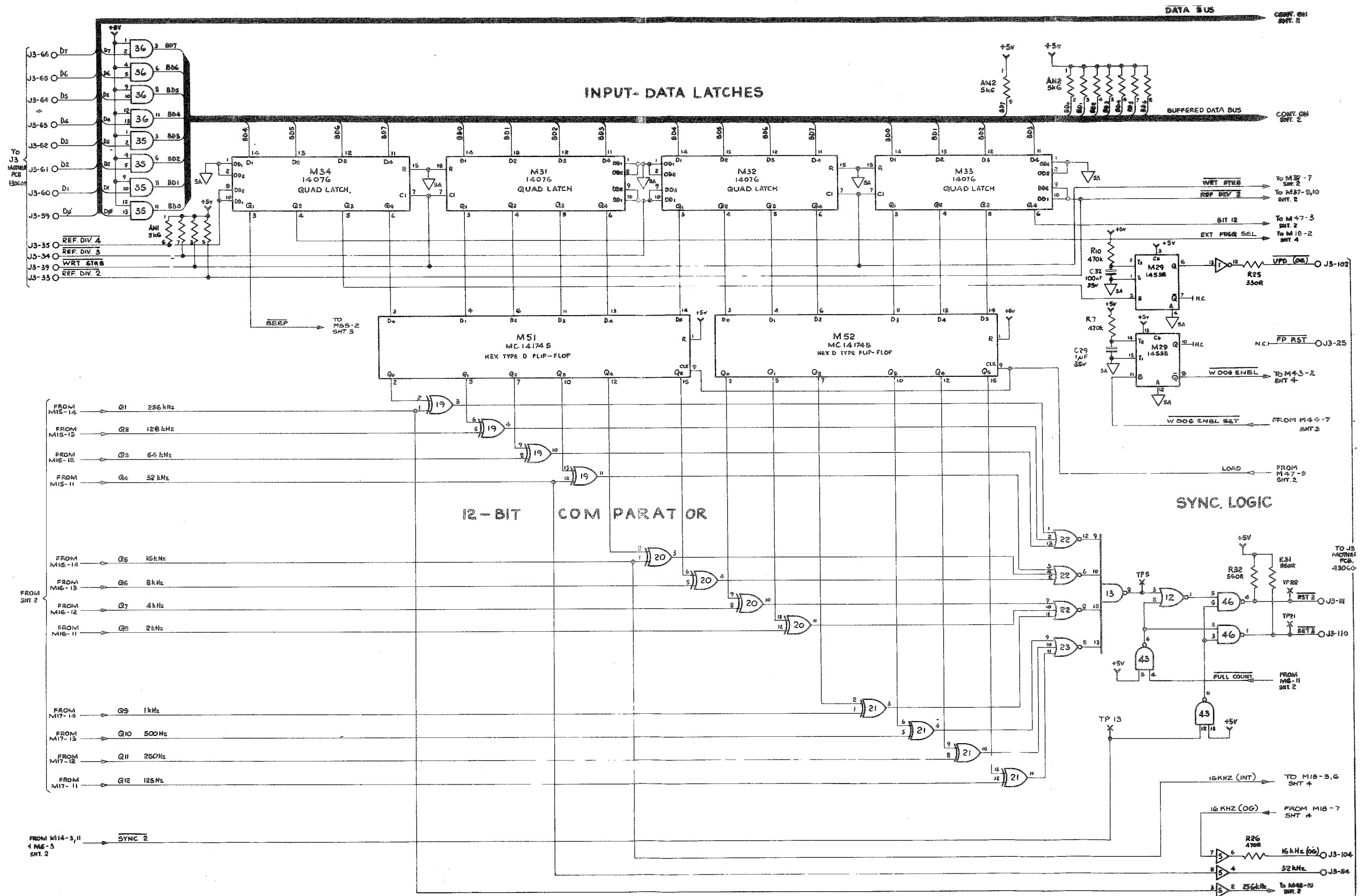
P.C.B. 410264-2



MAKE LINK FROM 22 SWG B.T.C. WIRE
540002. LINK TO FORM 6mm HIGH
LOOP.

TEST POINT TERMINAL
G20007 27 off

N.B. GLASS BEAD 630243 FITTED TO EACH LEG
OF THE FOLLOWING COMPONENTS :- C1-C8,
C11-C28, C35-C38, C41-C46, C48, C49,
C51-C55, C61. 92 off.

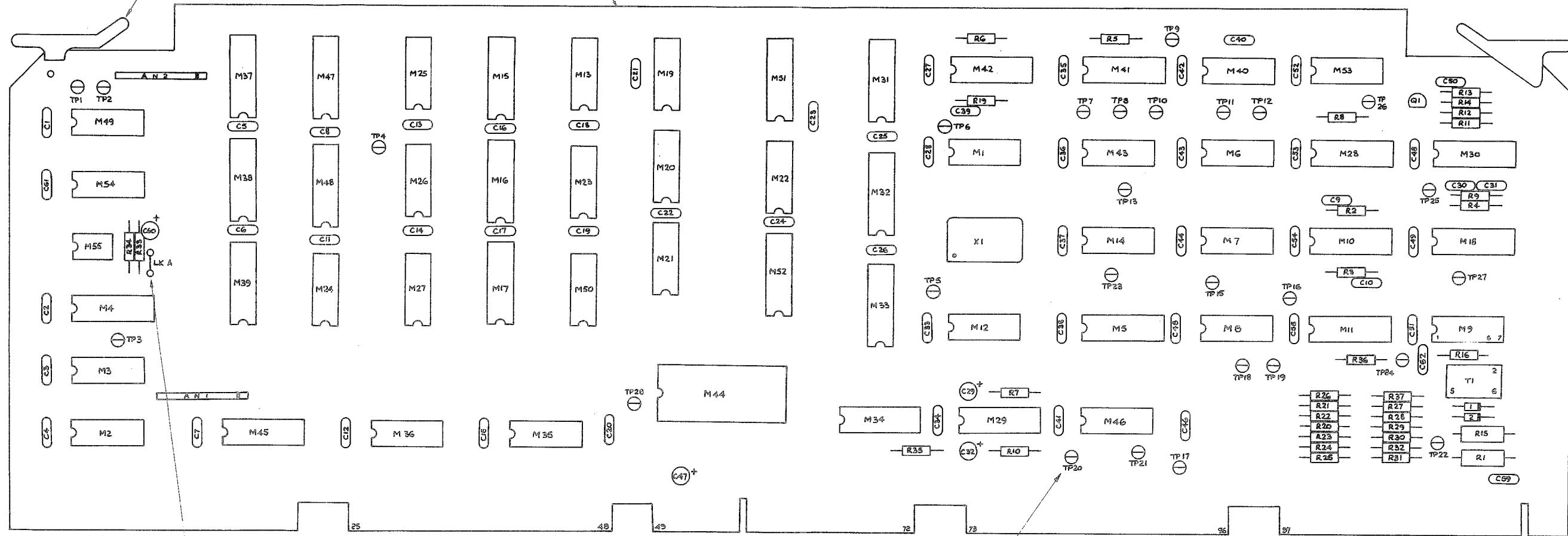


ANALOG INTERFACE ASSEMBLY
Lower Reference Divider Counter

Circuit Diagram No. 430648-1.0 Sheet 1

(BROWN) CIRCUIT BOARD EJECTOR
630117. 2 off

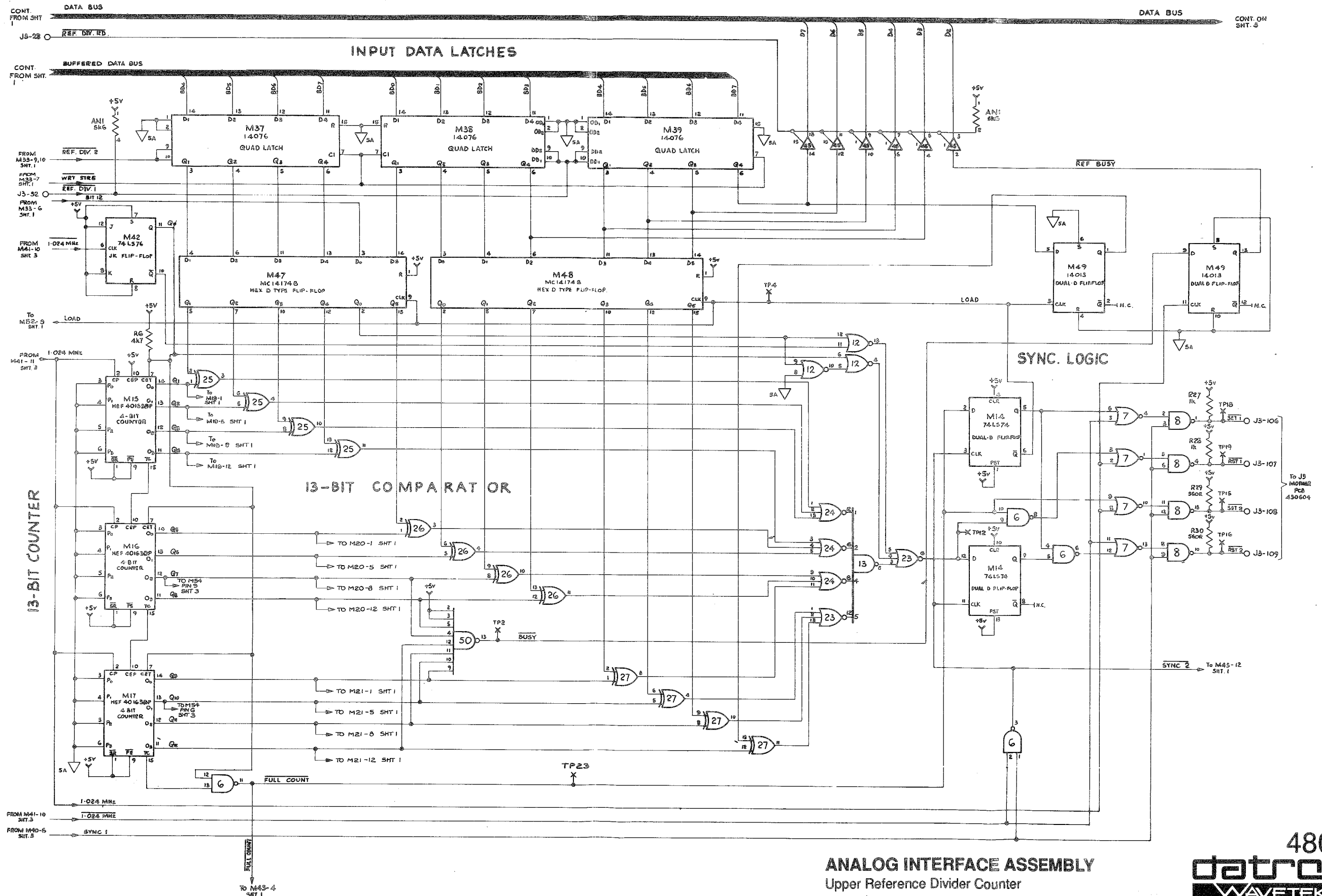
P.C.B. 4.10264-2



MAKE LINK FROM 22 SWG B.T.C. WIRE
540002. LINK TO FORM 6mm HIGH
LOOP.

TEST POINT TERMINAL
620007 27 off

N.B. GLASS BEAD 630243 FITTED TO EACH LEG
OF THE FOLLOWING COMPONENTS :- C1-C8,
C11-C23, C33-C38, C41-C46, C48, C49,
C51-C53, C61. 22 off.



ANALOG INTERFACE ASSEMBLY
Upper Reference Divider Counter

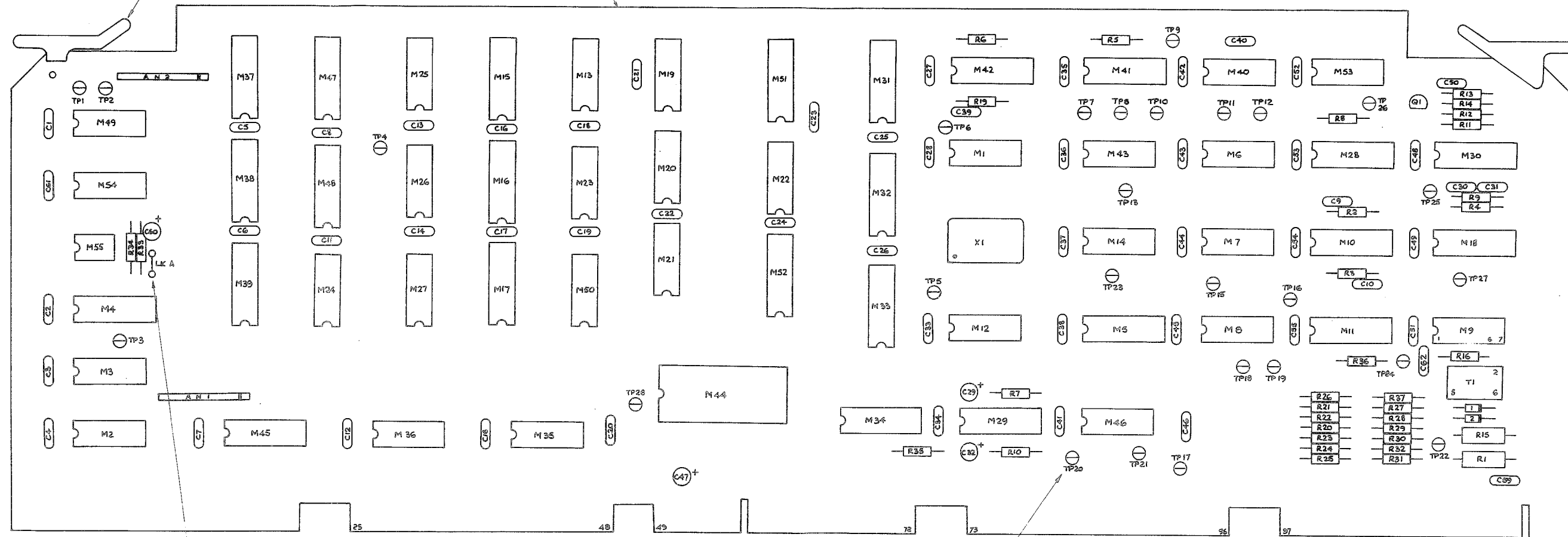
Circuit Diagram No. 430648-1.1 Sheet 2



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(BROWN) CIRCUIT BOARD EJECTOR
630117. 2 off

P.C.B. 410264-2

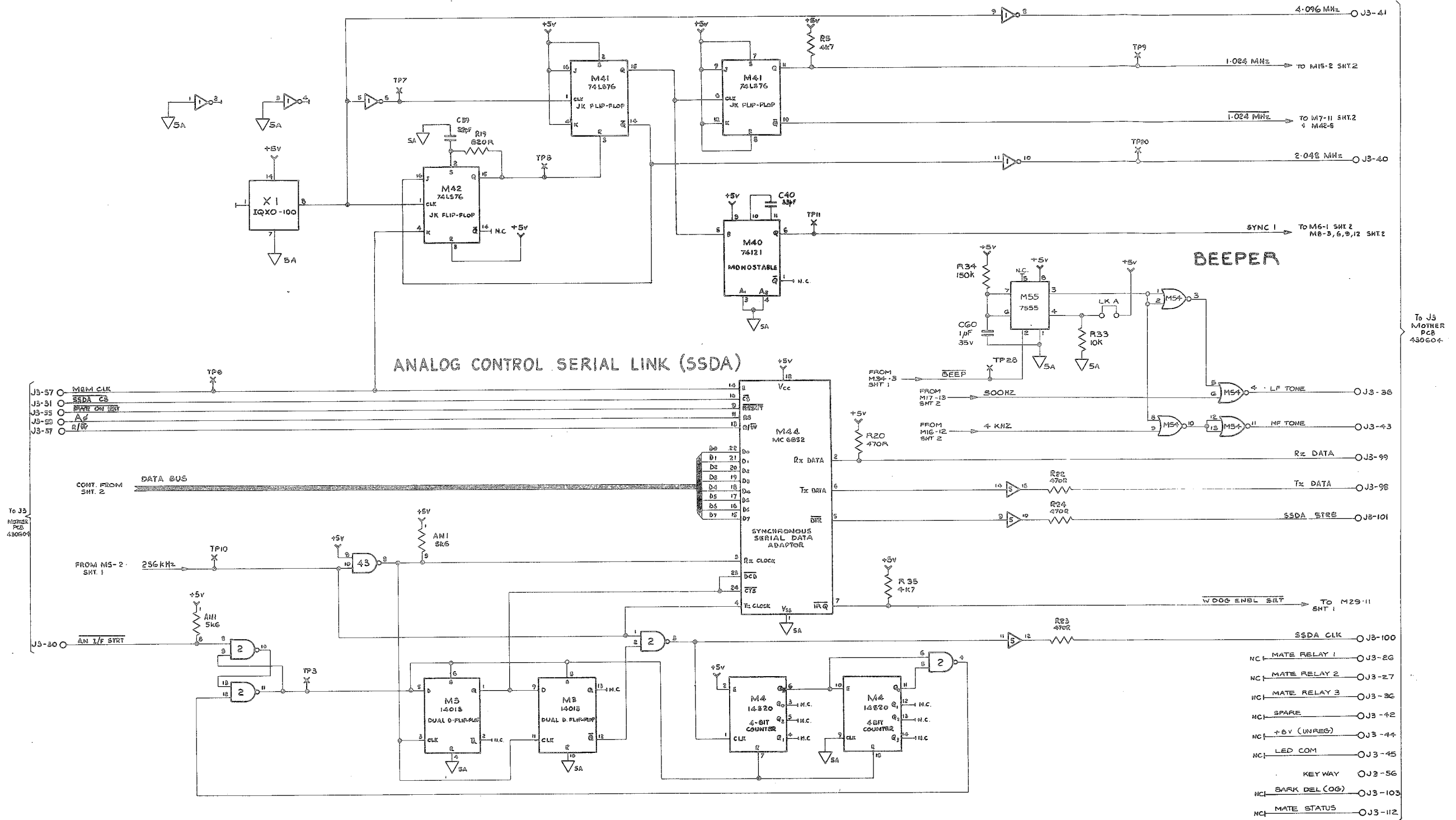


MAKE LINK FROM 22 SWG B.T.C. WIRE
540002. LINK TO FORM 6mm HIGH
LOOP.

TEST POINT TERMINAL
620007 27 off

N.B. GLASS BEAD 630243 FITTED TO EACH LEG
OF THE FOLLOWING COMPONENTS :- C1-C6,
C11-C28, C33-C38, C41-C46, C48, C49,
C51-C55, C61. 22 off.

MASTER CLOCKS



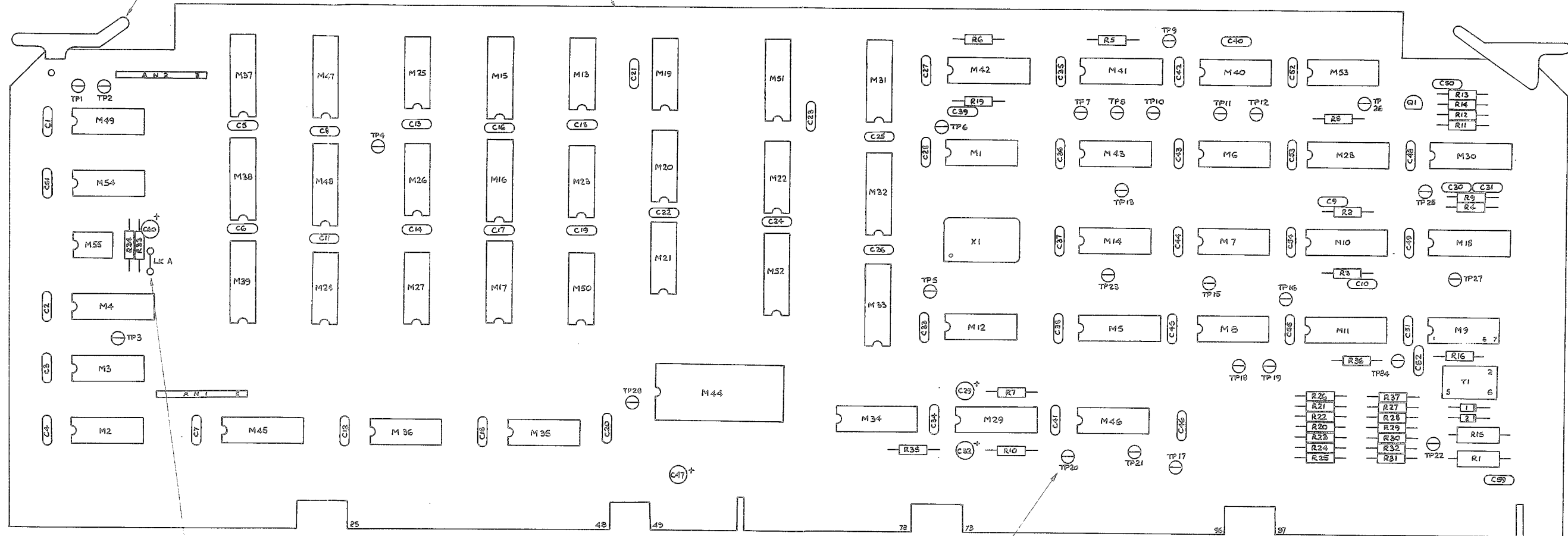
- To J3 MOTHER PCB 430604
- J3-41 4.096 MHz
- TO M15-2 SHT 2 1.024 MHz
- TO M17-11 SHT 2 1.024 MHz
- J3-40 2.048 MHz
- TO M6-1 SHT 2 SYNC I
- TO M8-3, 6, 9, 12 SHT 2
- J3-36 LF TONE
- J3-43 HF TONE
- J3-99 Rx DATA
- J3-98 Tx DATA
- J8-101 SSDA STREB
- TO M29-11 SHT 1 WDOG ENBL SET
- J3-100 SSDA CLK
- J3-26 NCI MATE RELAY 1
- J3-27 NCI MATE RELAY 2
- J3-36 NCI MATE RELAY 3
- J3-42 NCI SPARE
- J3-44 NCI +5V (UNREG)
- J3-45 NCI LED COM
- J3-56 KEY WAY
- J3-103 NCI BARK DEL (OG)
- J3-112 NCI MATE STATUS

ANALOG INTERFACE ASSEMBLY
Master Clocks and Analog Serial Link



(BROWN) CIRCUIT BOARD EJECTOR
630117. 2 OFF

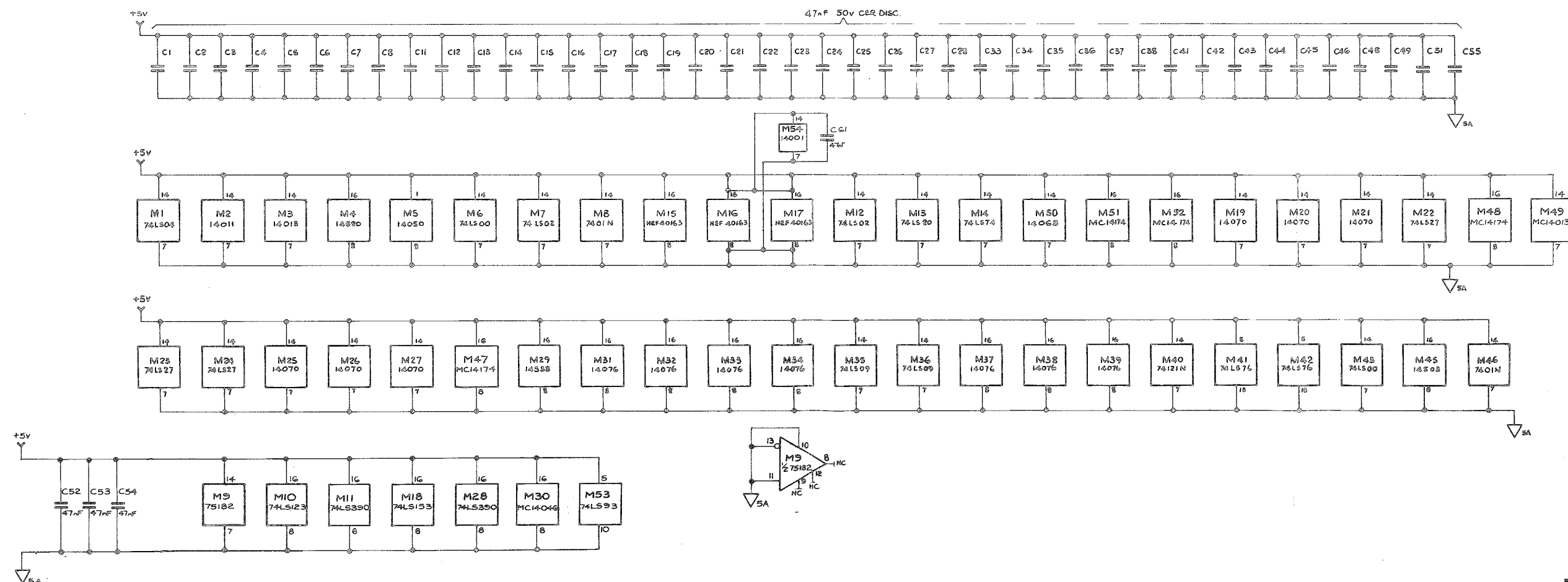
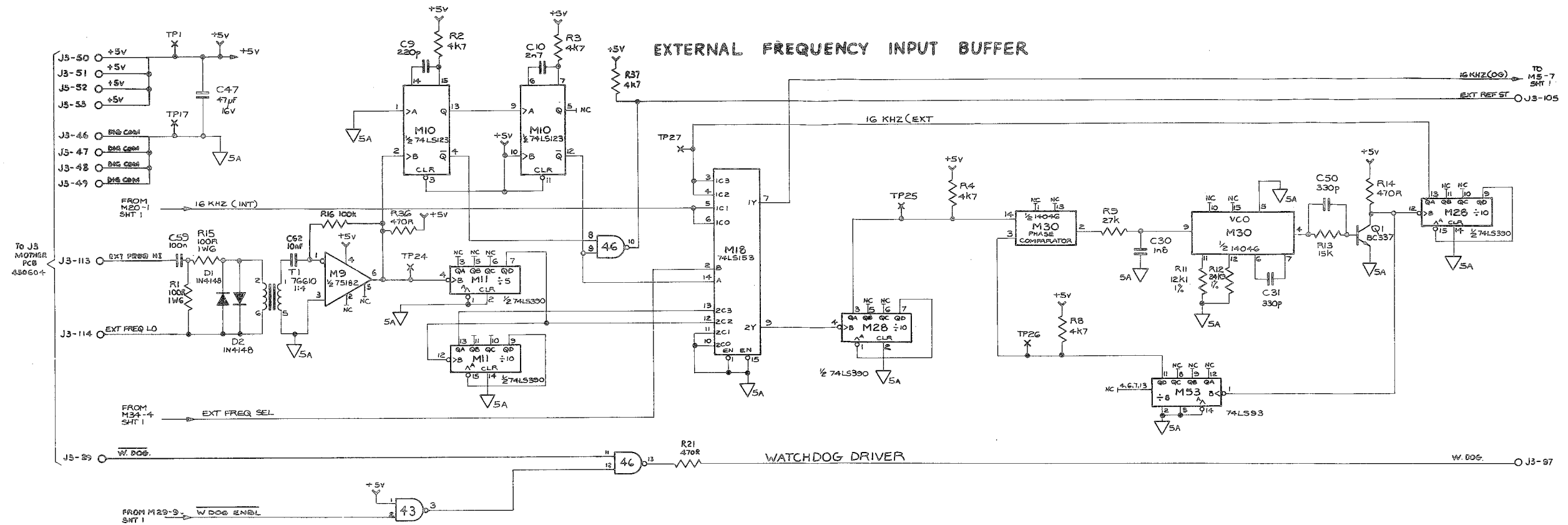
P.C.B. 410264-2

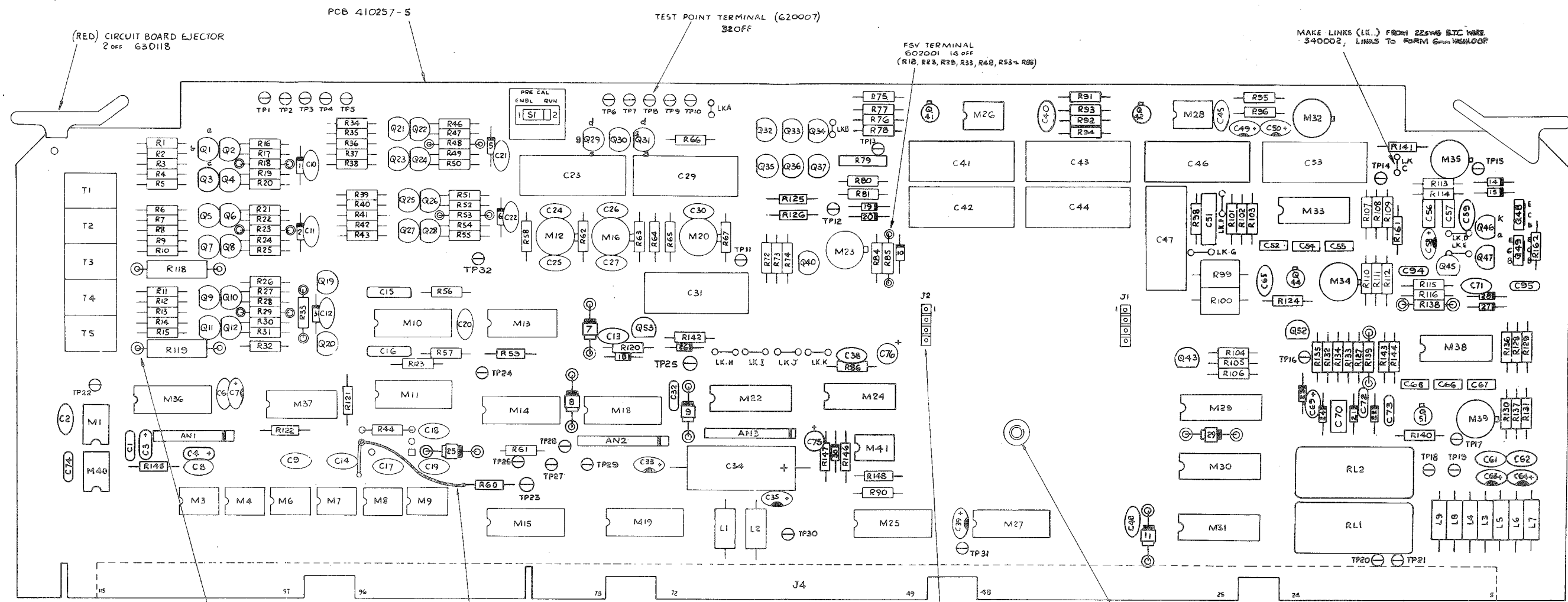


MAKE LINK FROM 22 SWG. B.T.C. WIRE
540002. LINK TO FORM 6mm HIGH
LOOP.

TEST POINT TERMINAL
G20007 27 off

N.B. GLASS BEAD 630243 FITTED TO EACH LEG
OF THE FOLLOWING COMPONENTS :- C1-C8,
C11-C28, C33-C38, C41-C46, C48, C49,
C51-C55, C51. 92 OFF.





MOUNT R136 (R39, R18, R19, D7-D9, D25, D11 & D29 ON INSULATING BEAD (1 PER LEAD) 630024 20 OFF

ADD WIRE LINK AS SHOWN S40006

4 WAY .17 PCB PLUG 604053 2 OFF SOLDERED INTO MAIN PCB

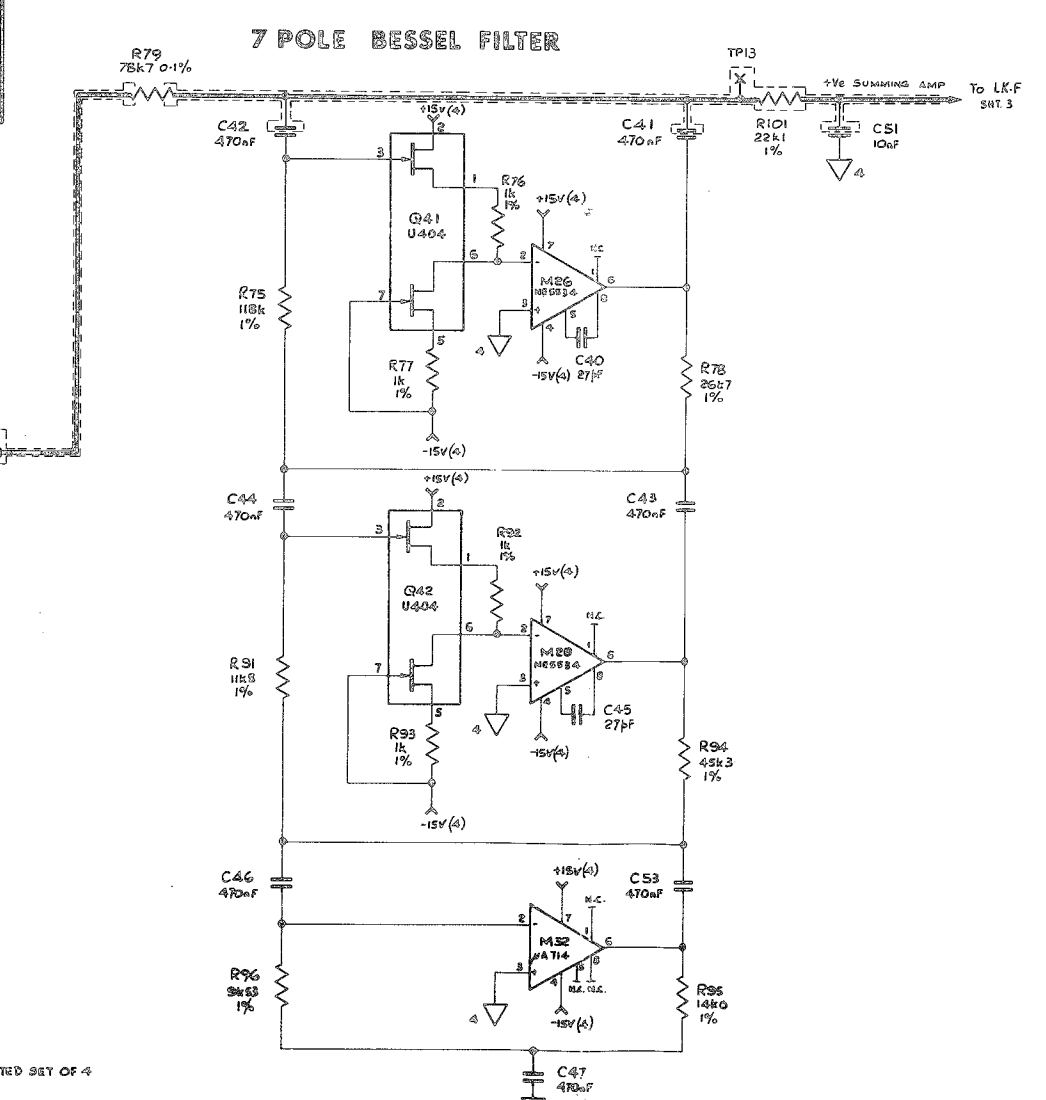
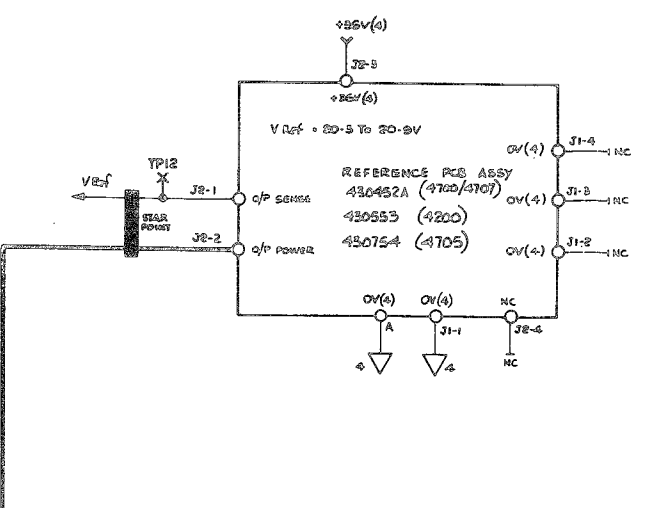
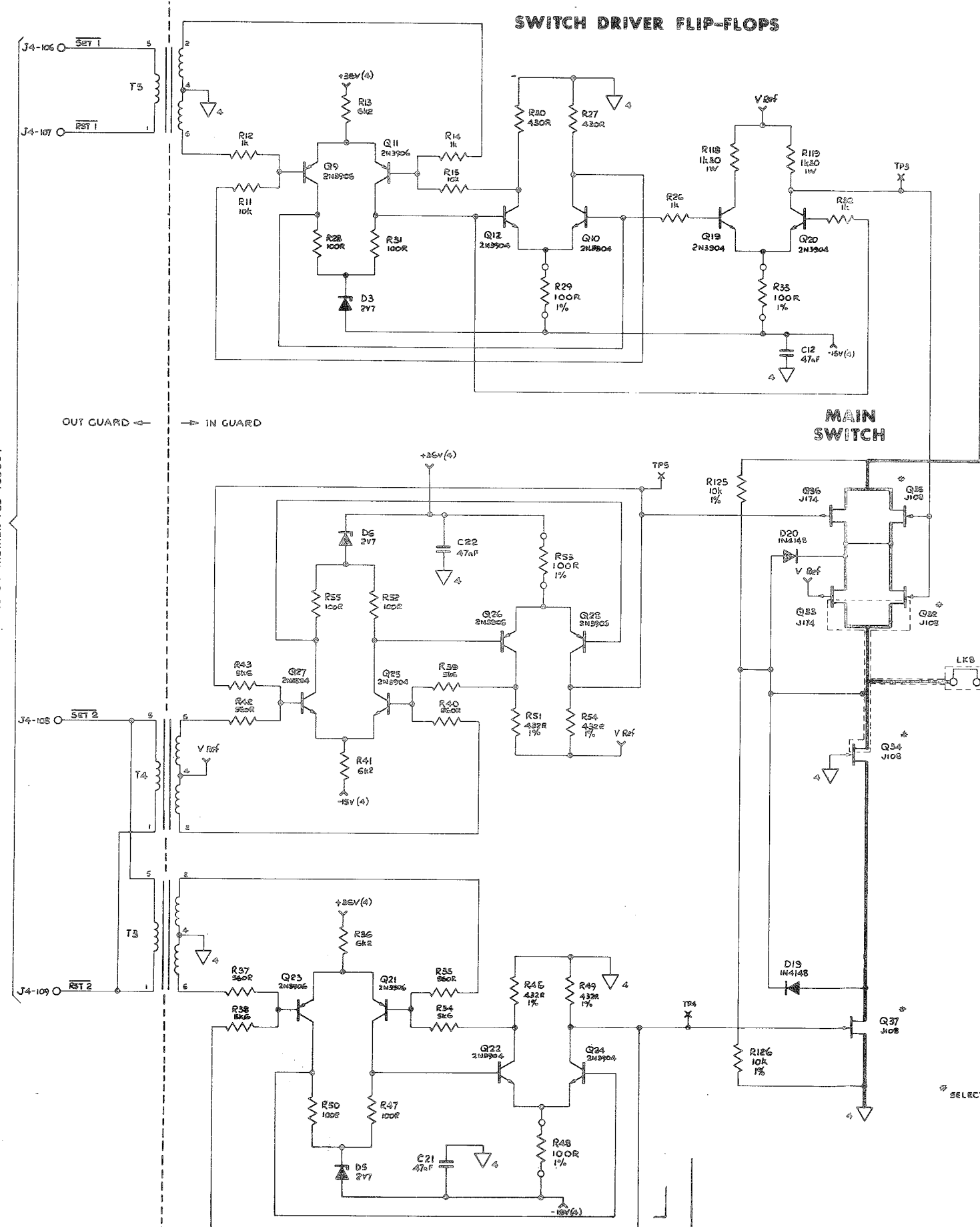
M3 x 5mm SWAGED STANDOFF 612025 SECURED TO REV. DIV. PCB ON COMP. SIDE

MOUNTING ICs
 FIT M1, M3, M4, M6-M9, M40, M26, M28, M41 ON 8WAY DIL SOCKET 605059 11 OFF
 FIT M13, M24, M33, M37, M38 ON 14WAY DIL SOCKET 605060 5 OFF
 FIT M10, M11, M14, M15, M18, M19, M22, M25, M27, M29, M30, M31, M36 ON 16WAY DIL SOCKET 605061 13 OFF



REFERENCE DIVIDER ASSEMBLY

TO J-4 MOTHER PCB 430604



REFERENCE DIVIDER ASSEMBLY
Most-Significant Switch and Filter

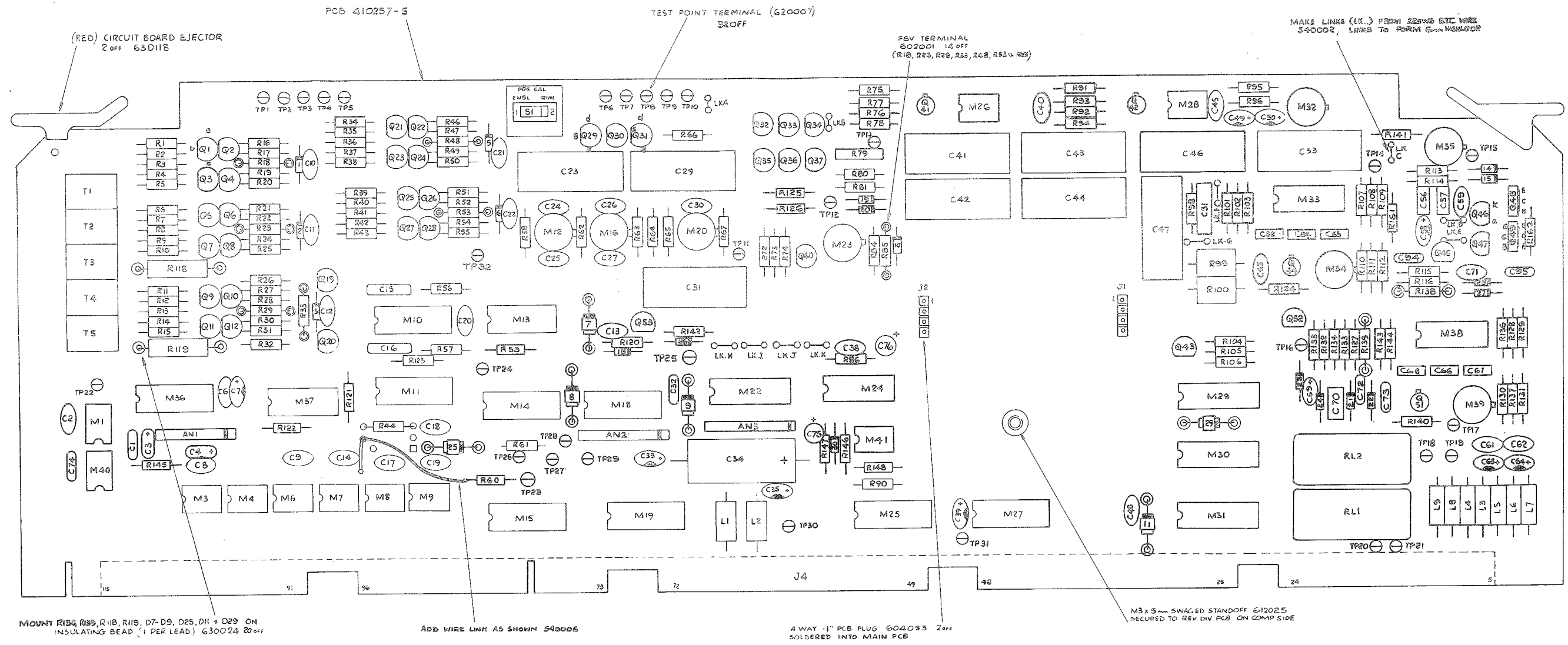
Circuit Diagram No. 430652-4.1 Sheet 1



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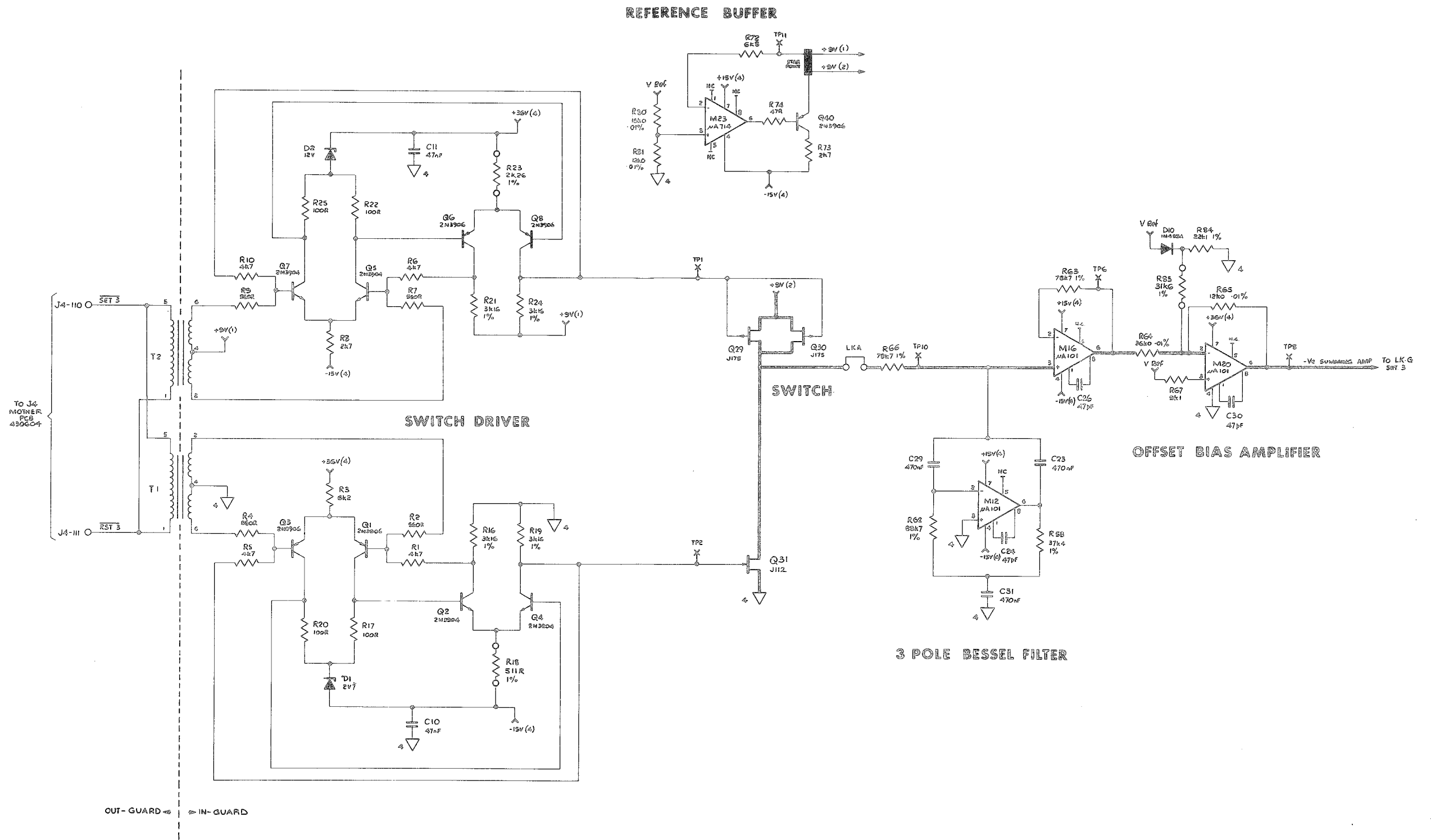
11.4-1



MOUNTING ICs
 FIT M1, M3, M4, M6-M9, M40, M26, M28, M41
 ON 8WAY DIL SOCKET 605059 11 OFF
 FIT M13, M24, M33, M37, M38
 ON 14WAY DIL SOCKET 605060 5 OFF
 FIT M10, M11, M14, M15, M18, M19, M22, M25, M27
 M29, M30, M31, M36
 ON 16WAY DIL SOCKET 605061 13 OFF



REFERENCE DIVIDER ASSEMBLY

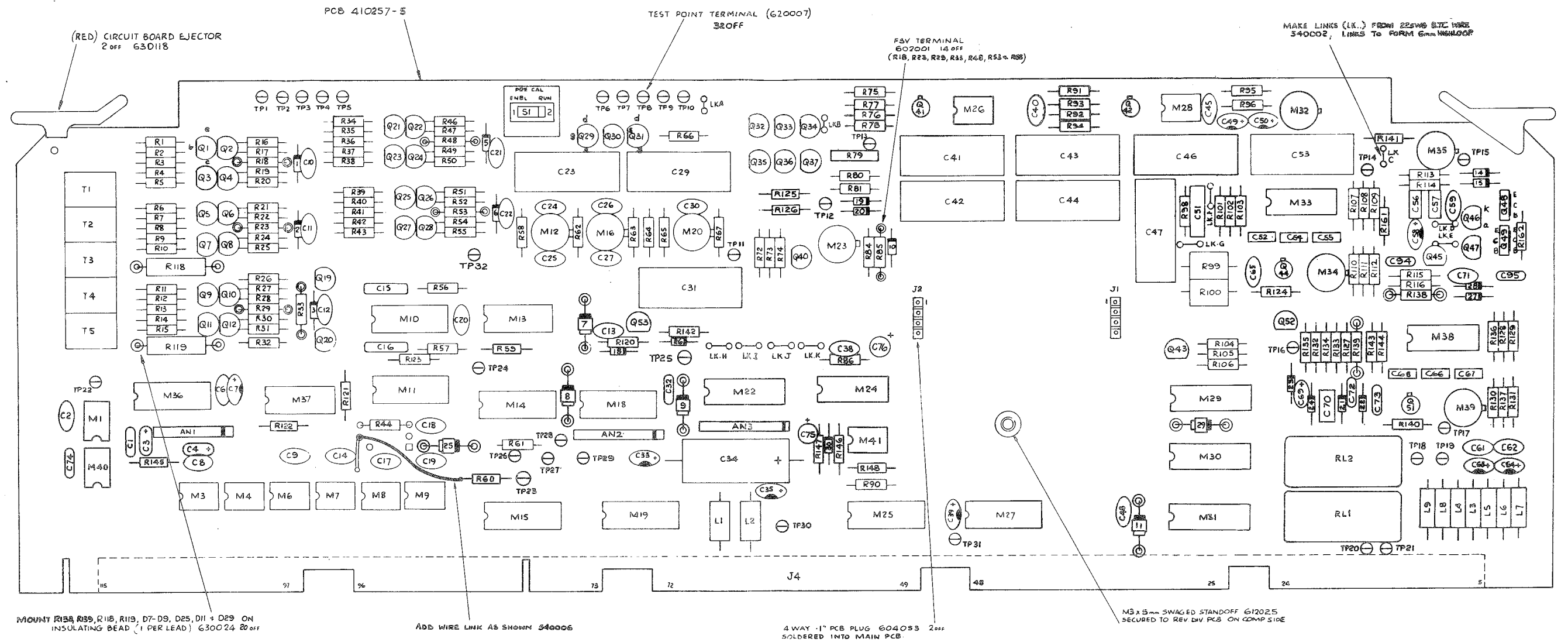


REFERENCE DIVIDER ASSEMBLY
Least-Significant Switch and Filter

Circuit Diagram No. 430652-4.1 Sheet 2



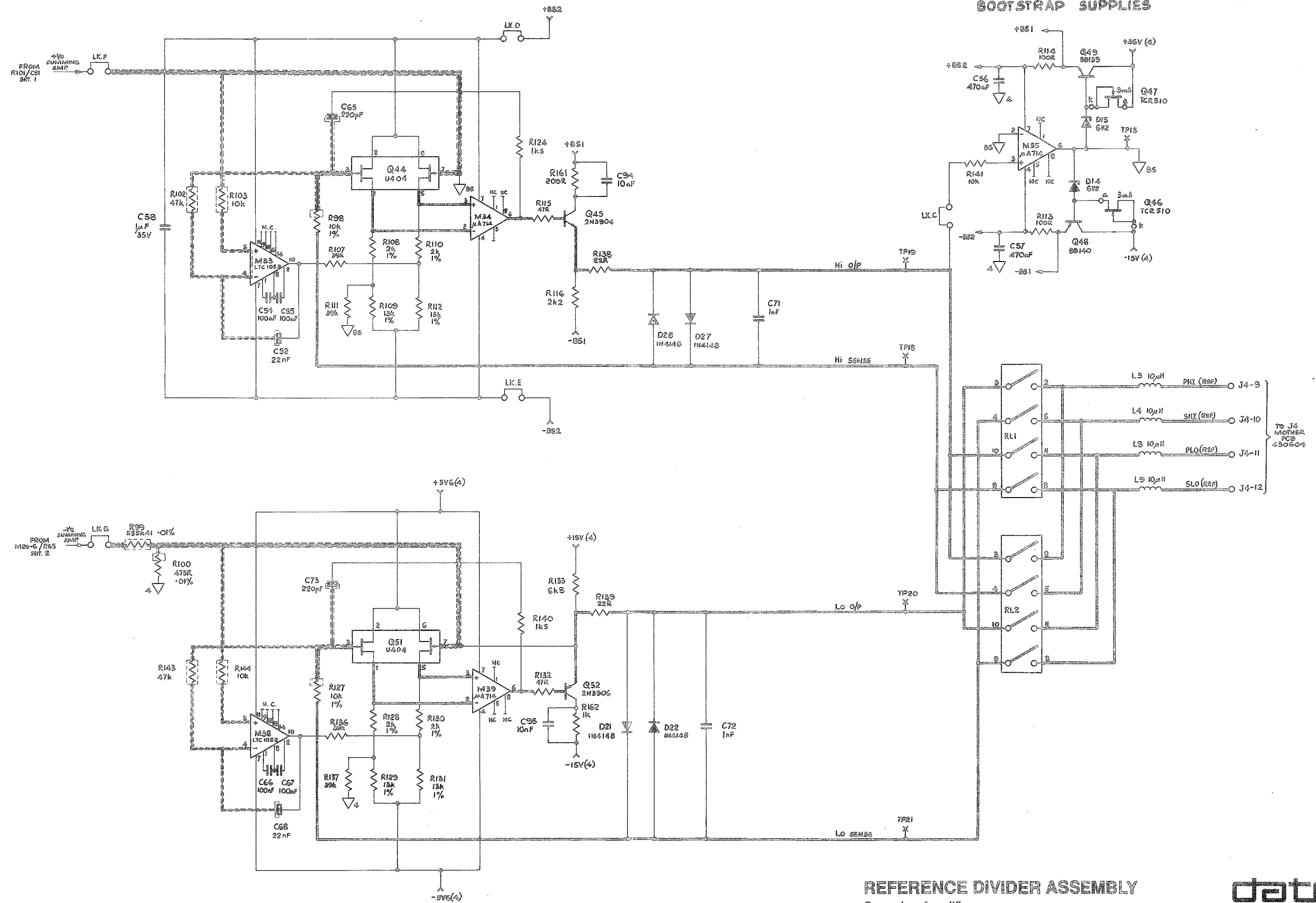
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MOUNTING I.C.s
 FIT M1, M3, M4, M6-M9, M40, M26, M28, M41
 ON 8WAY DIL SOCKET G05059 11 OFF
 FIT M13, M24, M33, M37, M38
 ON 14WAY DIL SOCKET G05060 5 OFF
 FIT M10, M11, M14, M15, M18, M19, M22, M25, M27,
 M29, M30, M31, M36
 ON 16WAY DIL SOCKET G05061 13 OFF



REFERENCE DIVIDER ASSEMBLY



REFERENCE DIVIDER ASSEMBLY
Summing Amplifier

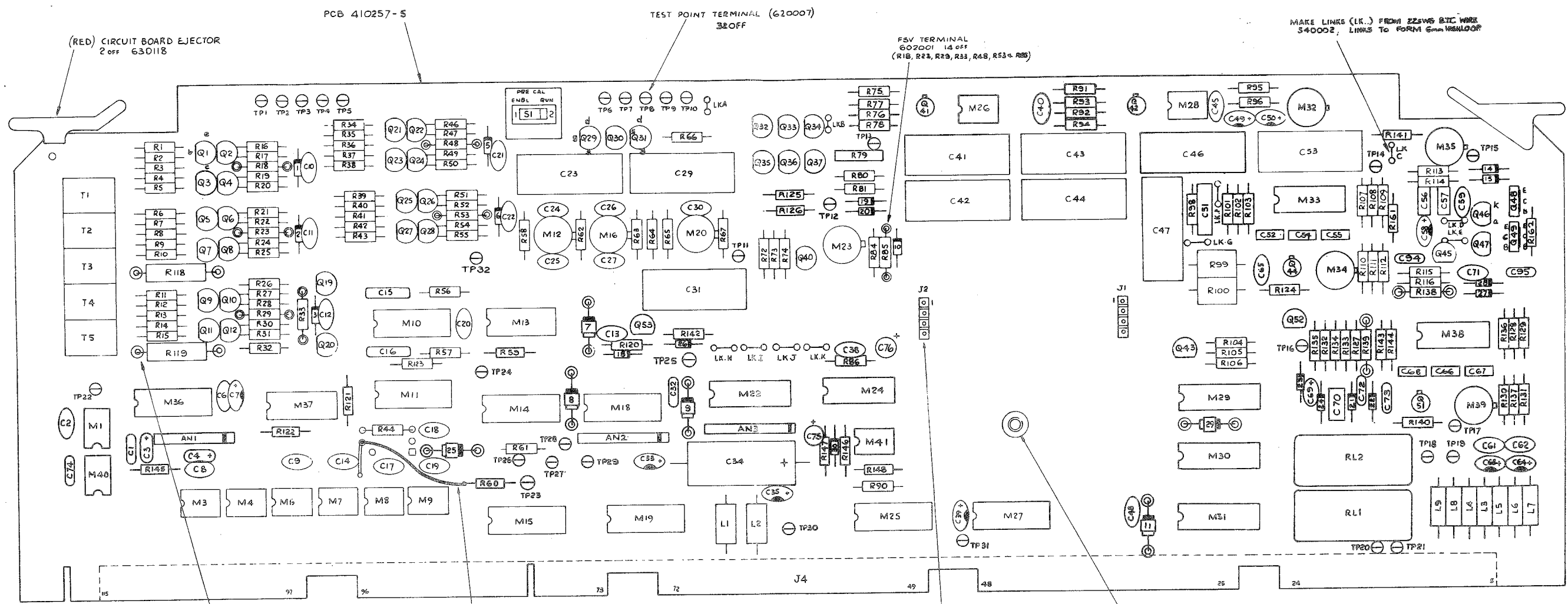
Circuit Diagram No. 430652-4.2 Sheet 3



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11.4-3



MOUNT R158, R159, R118, R119, D7-D9, D25, D11 & D29 ON INSULATING BEAD (1 PER LEAD) 630024 20 OFF

ADD WIRE LINK AS SHOWN 540006

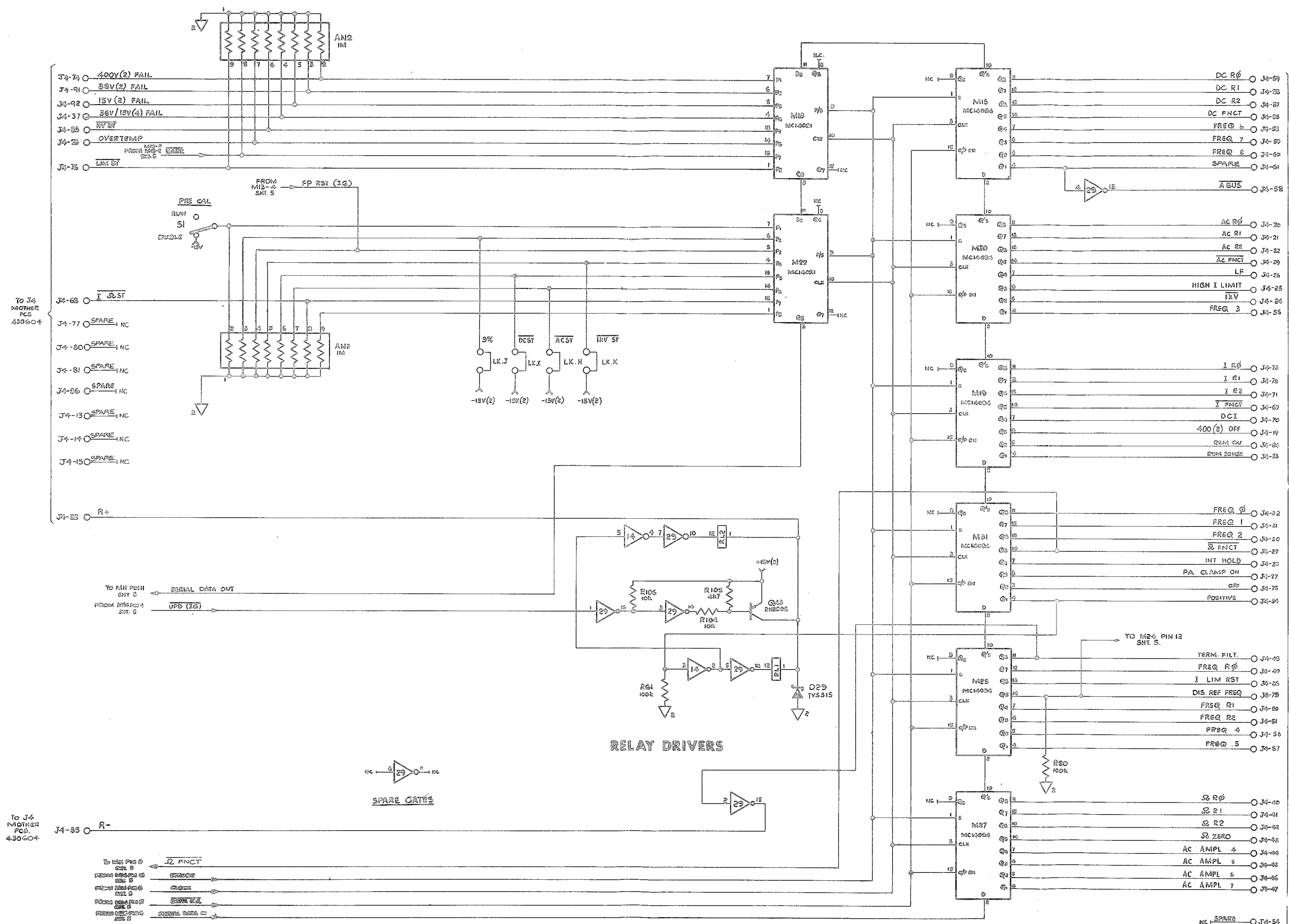
4 WAY .1" PCB PLUG 604053 2 OFF SOLDERED INTO MAIN PCB

M3, 5mm SWAGED STANDOFF 612025 SECURED TO REV DIV PCB ON COMP SIDE

MOUNTING I.C.s
 FIT M1, M3, M4, M6-M9, M10, M26, M28, M41 ON 8WAY DIL SOCKET 605059 11 OFF
 FIT M13, M24, M33, M37, M38 ON 14WAY DIL SOCKET 605060 5 OFF
 FIT M10, M11, M14, M15, M18, M19, M22, M25, M27, M29, M30, M31, M36 ON 16WAY DIL SOCKET 605061 13 OFF



REFERENCE DIVIDER ASSEMBLY



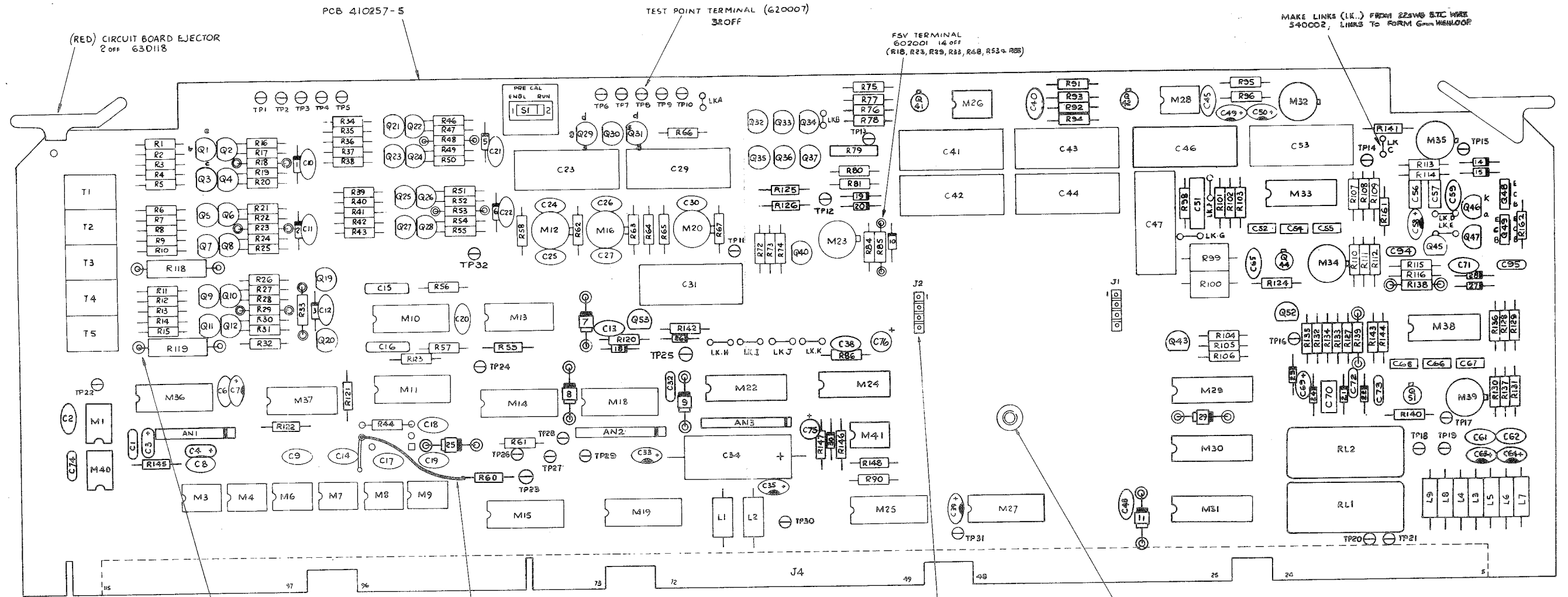
REFERENCE DIVIDER ASSEMBLY
Serial / Parallel Data Converter

Circuit Diagram No. 430652-4.0 Sheet 4



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MOUNT R135, R39, R18, R19, D7-D9, D25, D11 & D29 ON INSULATING BEAD (1 PER LEAD) 630024 20 OFF

ADD WIRE LINK AS SHOWN 540006

4 WAY .1" PCB PLUG 604053 2 OFF SOLDERED INTO MAIN PCB

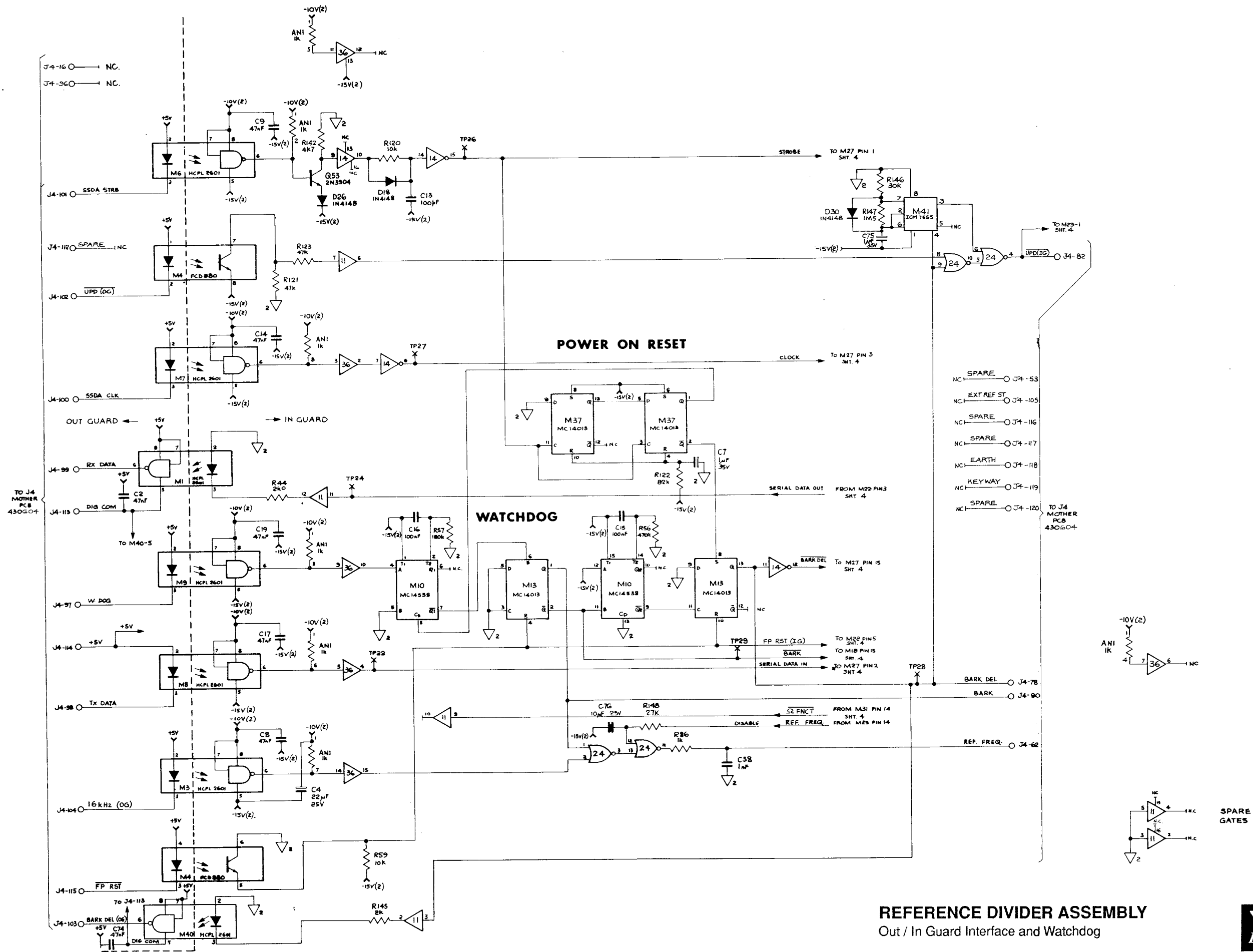
M3 x .5mm SWAGED STANDOFF 612025 SECURED TO REV. DIV. PCB ON COMP SIDE

MOUNTING ICs

FIT M1, M3, M4, M6-M9, M40, M26, M28, M41 ON 8WAY DIL SOCKET 605059 11 OFF

FIT M13, M24, M33, M37, M38 ON 14WAY DIL SOCKET 605060 5 OFF

FIT M10, M11, M14, M15, M18, M19, M22, M25, M27, M29, M30, M31, M36 ON 16WAY DIL SOCKET 605061 13 OFF



REFERENCE DIVIDER ASSEMBLY
Out / In Guard Interface and Watchdog

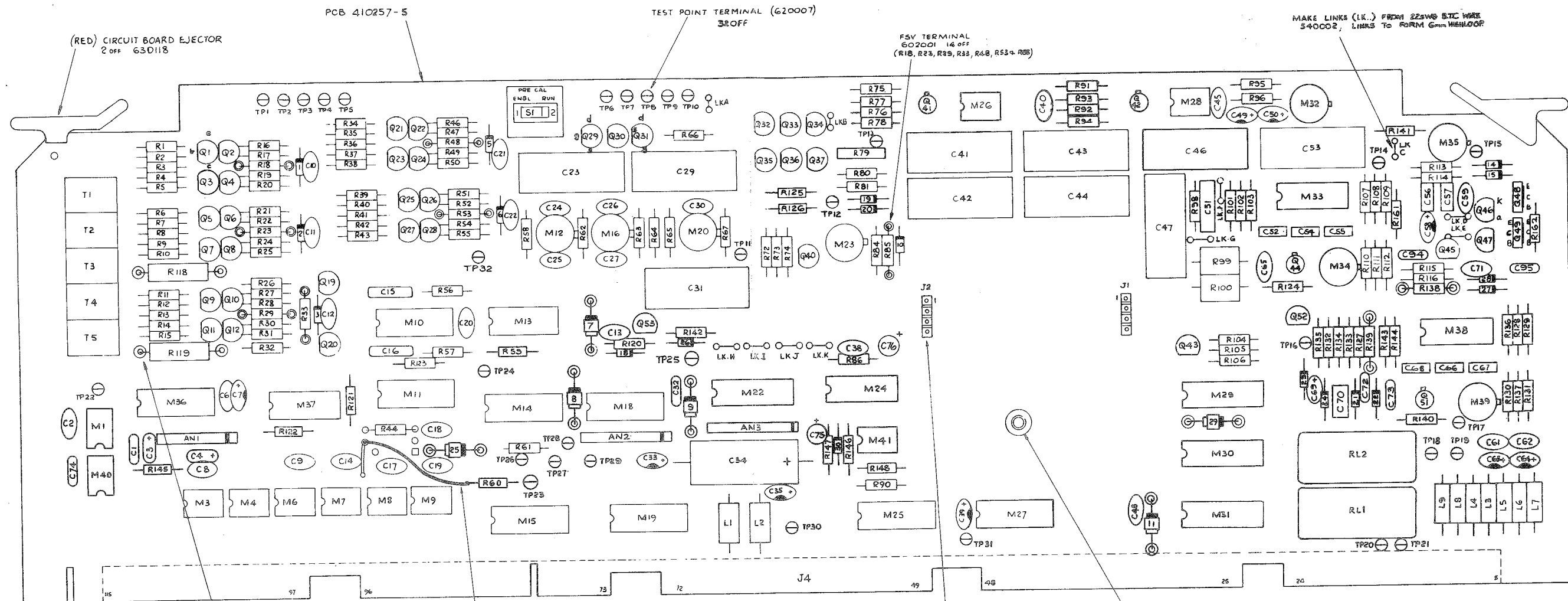
Circuit Diagram No. 430652-4.1 Sheet 5



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11.4-5



MOUNT R135, R39, R18, R19, D7-D9, D25, D11 & D29 ON INSULATING BEAD (1 PER LEAD) 630024 20 off

ADD WIRE LINK AS SHOWN 540006

4 WAY .1" PCB PLUG 604053 2 off SOLDERED INTO MAIN PCB

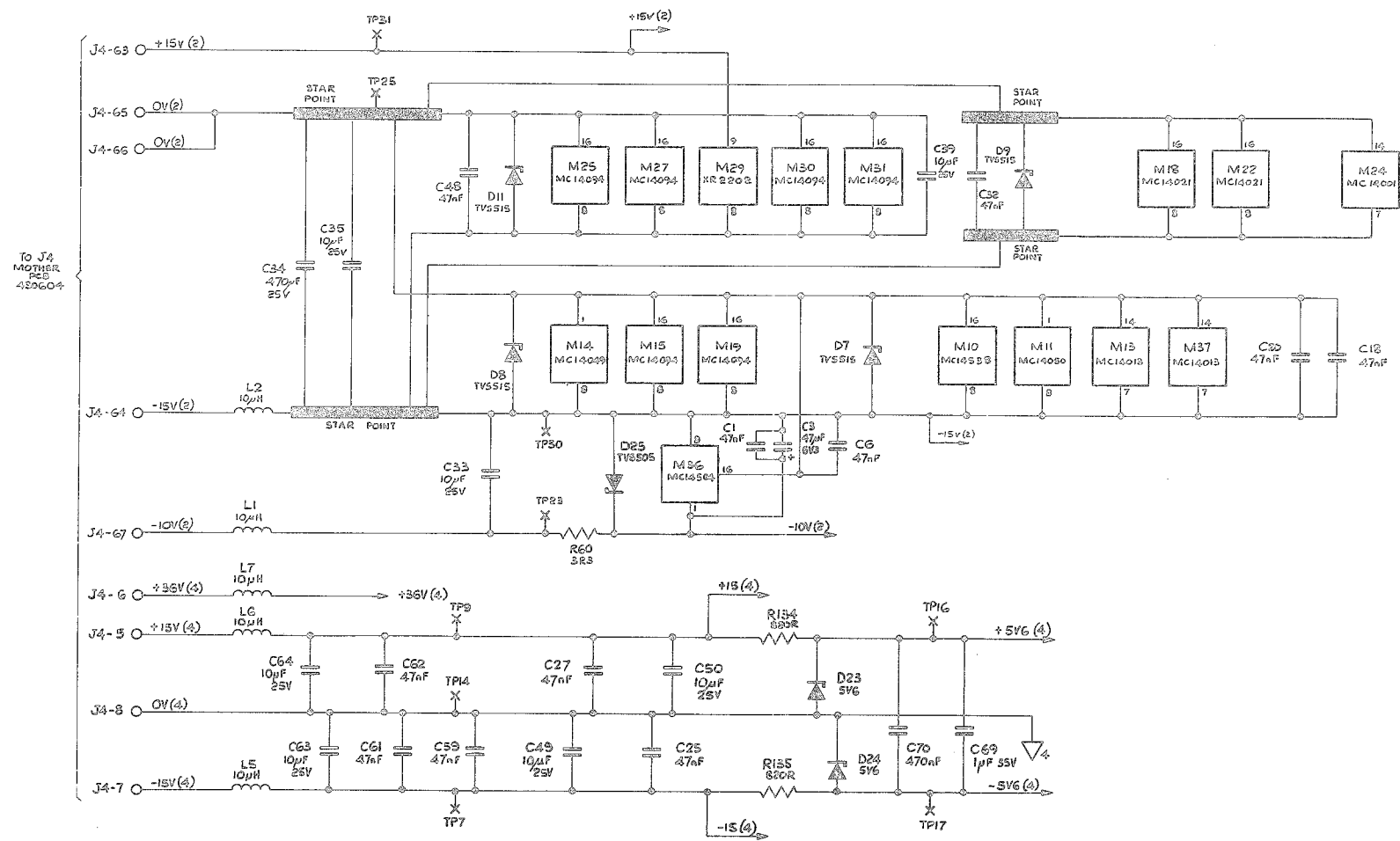
M3 x .5mm SWAGED STANDOFF 612025 SECURED TO REV. DIV. PCB ON COMP SIDE

MOUNTING ICs

FIT M1, M3, M4, M6-M9, M40, M26, M28, M41 ON 8WAY DIL SOCKET 605059 11 off

FIT M13, M24, M33, M37, M38 ON 14WAY DIL SOCKET 605060 5 off

FIT M10, M11, M14, M15, M18, M19, M22, M25, M27, M29, M30, M31, M36 ON 16WAY DIL SOCKET 605061 13 off



REFERENCE DIVIDER ASSEMBLY
Power Supplies

Circuit Diagram No. 430652-4.0 Sheet 6



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11.4-6

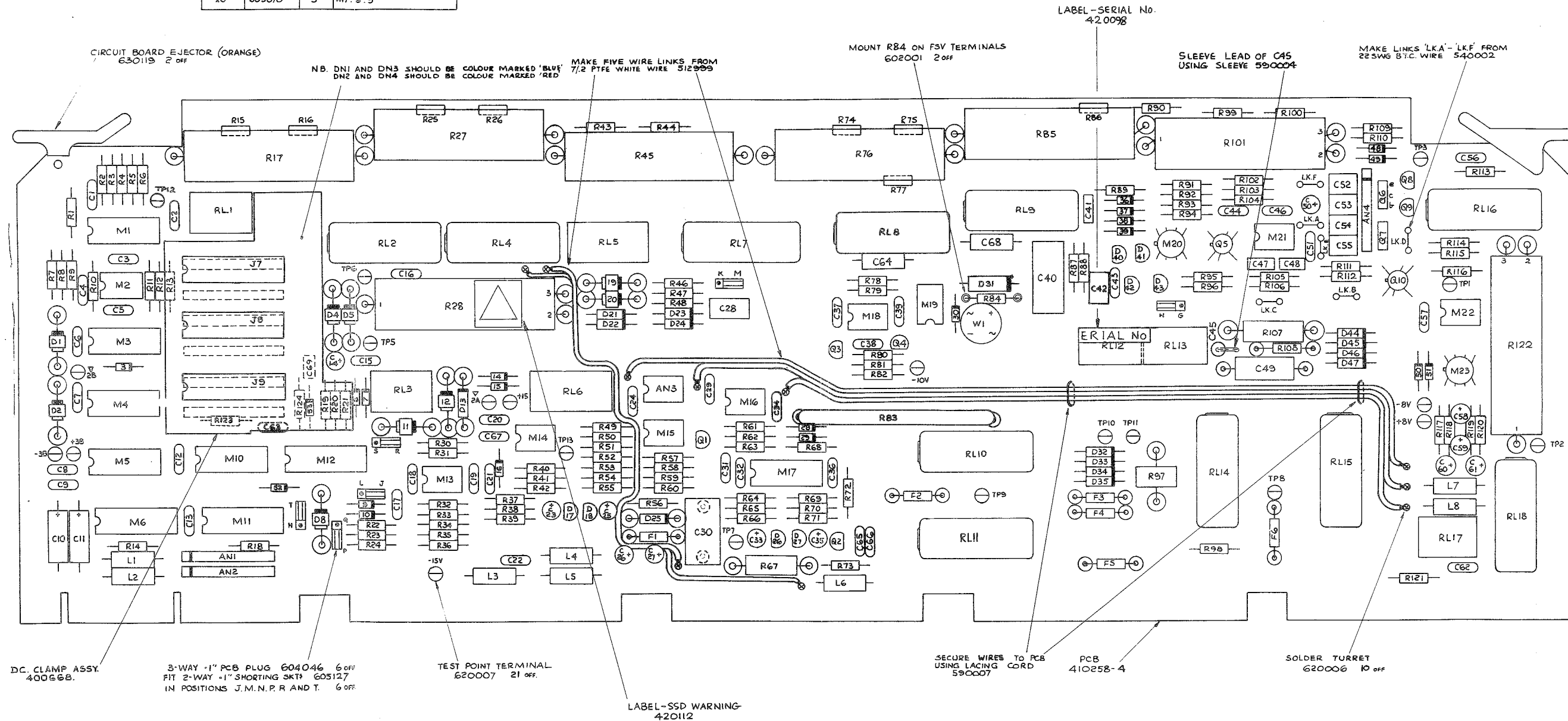
MOUNTING I.C.s.			
N° WAYS	PART N°	N° OFF	USED TO MOUNT
8	605059	3	M2, 13, 14, 15, 16, 18, 19, 21, 22
14	605060	6	M1, 3, 4, 5, 10, 17
16	605061	3	M6, 11, 12
20	605070	3	M7, 8, 9

MOUNT THE FOLLOWING COMPONENTS ON LARGE CERAMIC BEADS 650024, 2 PER LEAD: R17, R27, R28, R45, R76, R85, R101, R107, R122

THE FOLLOWING COMPONENTS TO BE MOUNTED ALSO ON LARGE BEADS, 1 PER LEAD: D1, D2, D4, D5, D8, D11, D12, D13, D19, D20, D25, R67, R97.

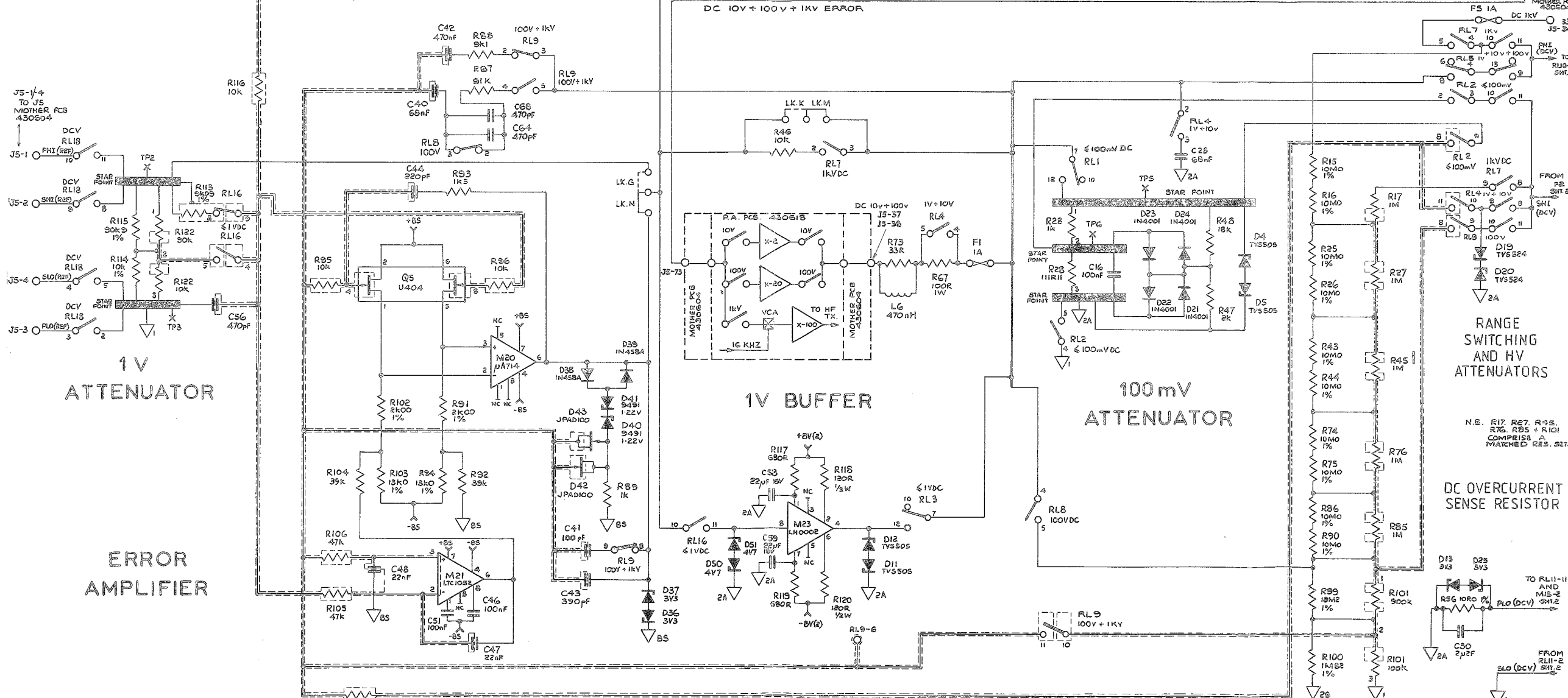
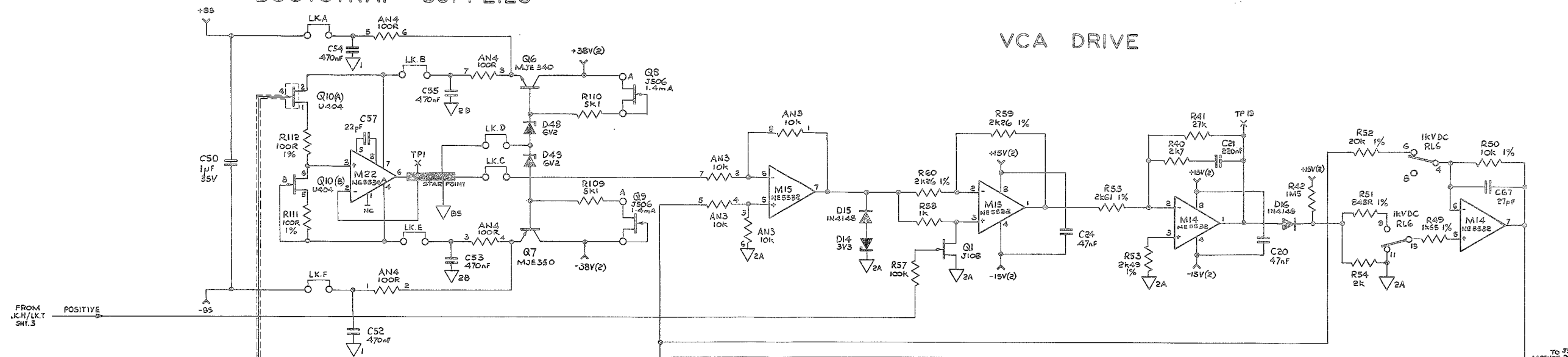
THE FOLLOWING COMPONENTS TO BE MOUNTED ON SMALL CERAMIC BEADS 650036: F1-F6, C30 1 PER LEAD. R83, R108, C49, 2 PER LEAD.

N.B. CLASS BEAD 650043 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS: C4, C8-C9, C18, C19, C18-C19, C22, C24, C32, C34, C35-C38, 24 OFF



BOOTSTRAP SUPPLIES

VCA DRIVE



1V ATTENUATOR

ERROR AMPLIFIER

1V BUFFER

100mV ATTENUATOR

RANGE SWITCHING AND HV ATTENUATORS

N.B. R17, R27, R45, R76, R85 & R101 COMPRISE A MATCHED RES. SET.

DC OVERCURRENT SENSE RESISTOR

DC ASSEMBLY

100mV, 1V, 10V, 100V & 1kV Outputs

Circuit Diagram No. 430536-4.2 Sheet 1



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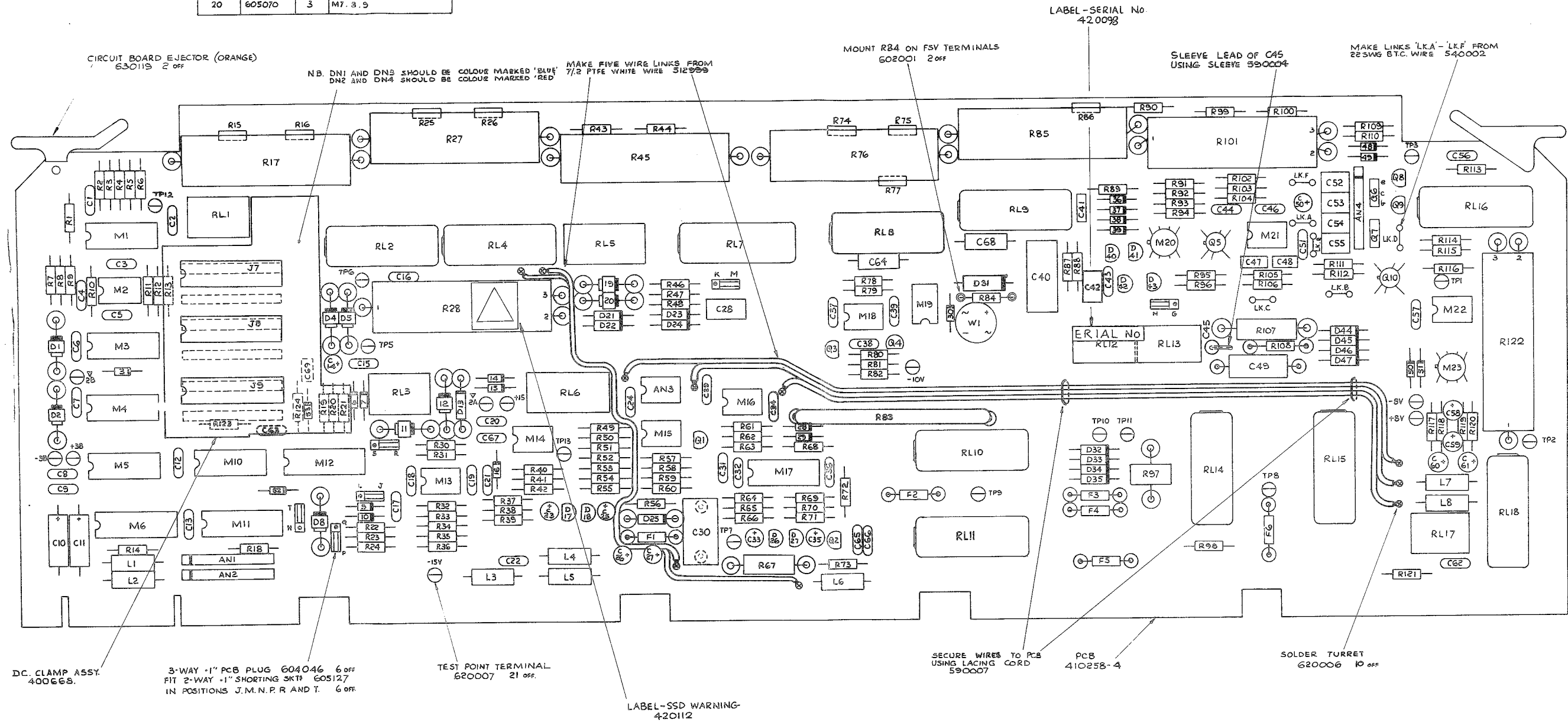
MOUNTING I.C.s.			
Nº WAYS	PART Nº	Nº OFF	USED TO MOUNT
8	605059	3	M2, 13, 14, 15, 16, 18, 19, 21, 22
14	605060	6	M1, 3, 4, 9, 10, 17
16	605061	3	M6, 11, 12
20	605070	3	M7, 8, 9

MOUNT THE FOLLOWING COMPONENTS ON LARGE CERAMIC BEADS G30024, 2 PER LEAD: R17, R27, R28, R45, R76, R85, R101, R107, R122

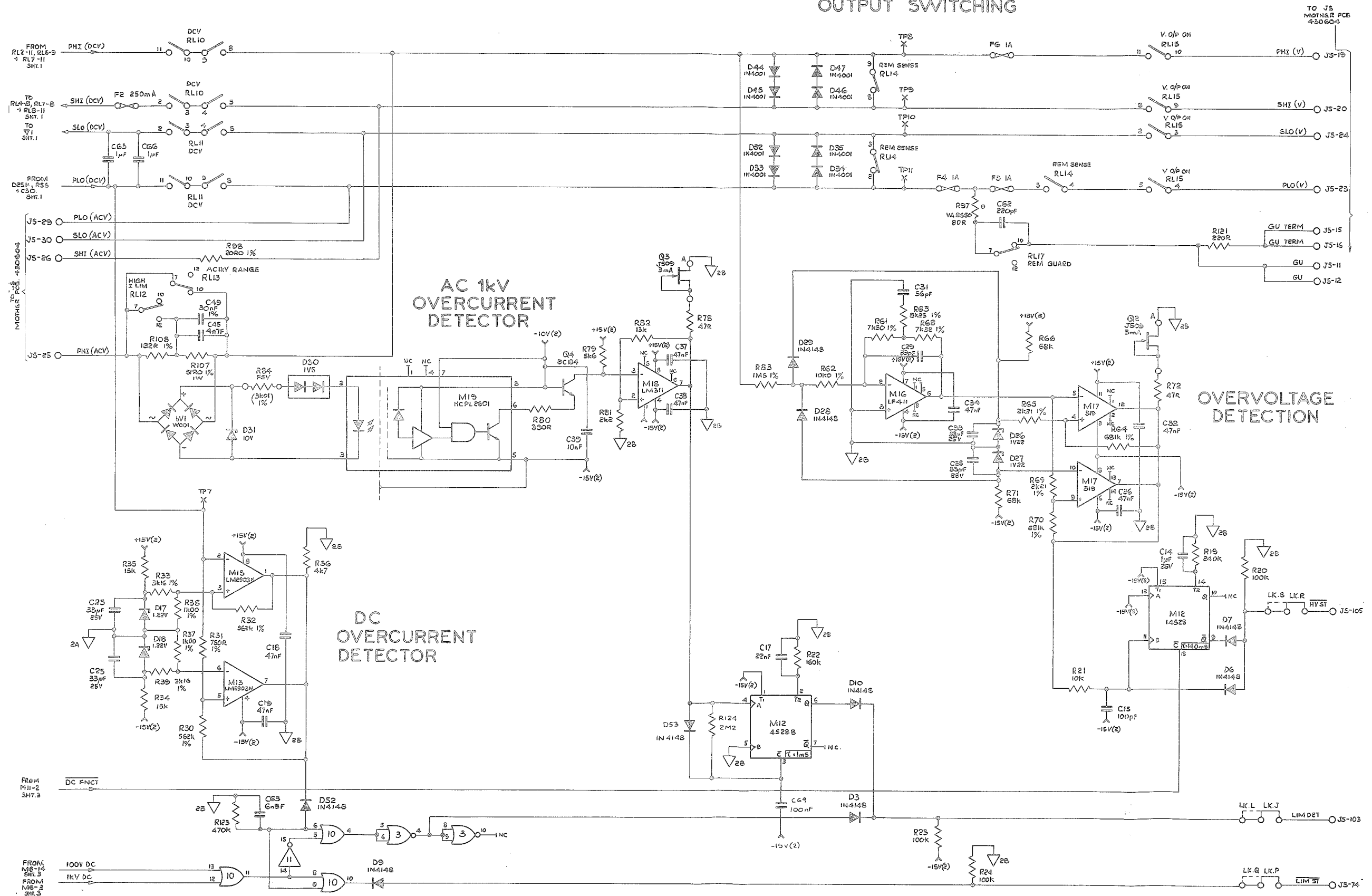
THE FOLLOWING COMPONENTS TO BE MOUNTED ALSO ON LARGE BEADS, 1 PER LEAD: D1, D2, D4, D5, D8, D11, D12, D13, D19, D20, D25, R07, R97.

THE FOLLOWING COMPONENTS TO BE MOUNTED ON SMALL CERAMIC BEADS G30036: F1-F6, C30 1 PER LEAD. R23, R108, C49, 2 PER LEAD.

N.B. GLASS BEAD G30243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS: C4, C8-C9, C18, C19, C18-C20, C22, C24, C32, C34, C35-C38, 34 OFF



OUTPUT SWITCHING



DC ASSEMBLY
Output Switching and Overload Sense

Circuit Diagram No. 430536-4.2 Sheet 2



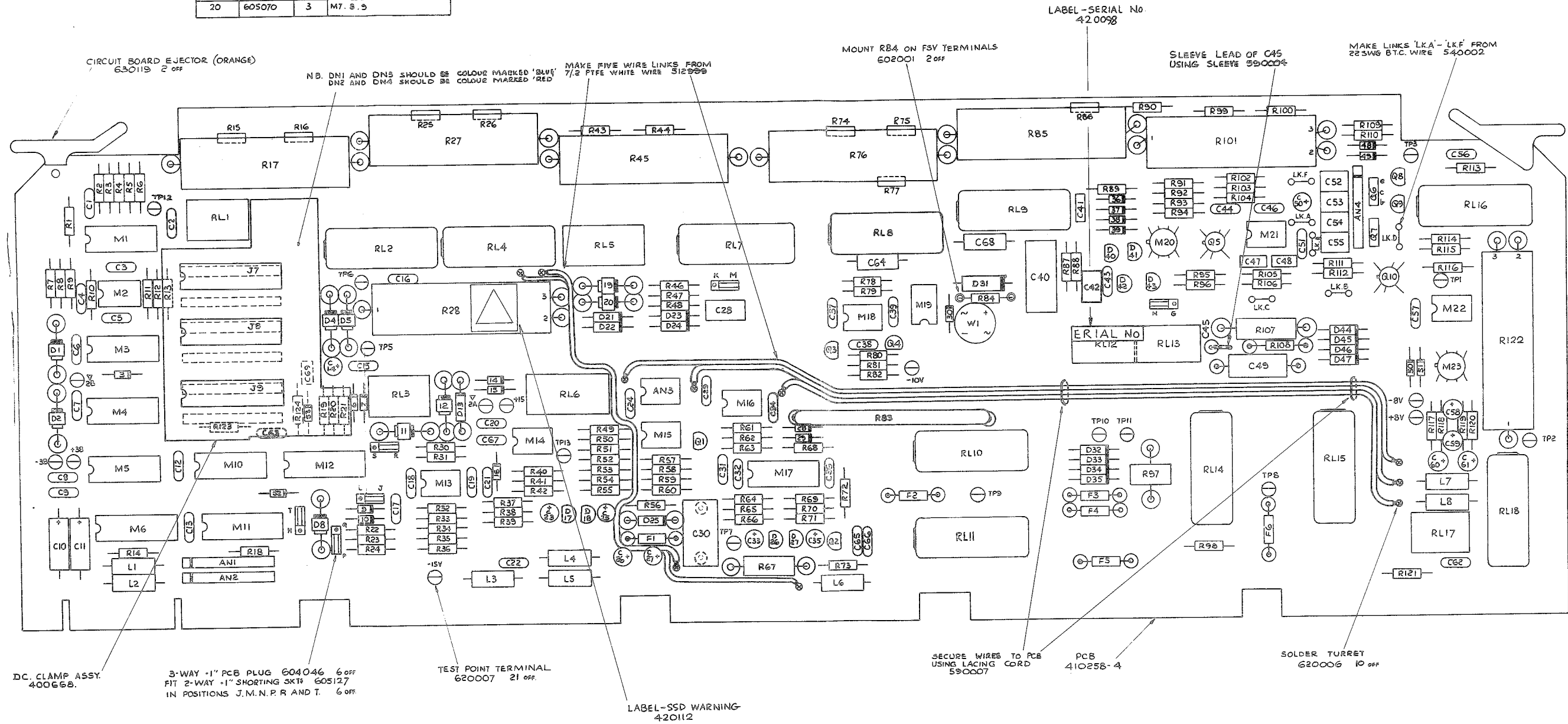
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MOUNTING I.C.s.			
N° WAYS	PART N°	N° OFF	USED TO MOUNT
8	605059	5	M2.13.14.15.16.18.19.21.22
14	605060	6	M1.3.4.5.10.17
16	605061	3	M6.11.12
20	605070	3	M7.8.9

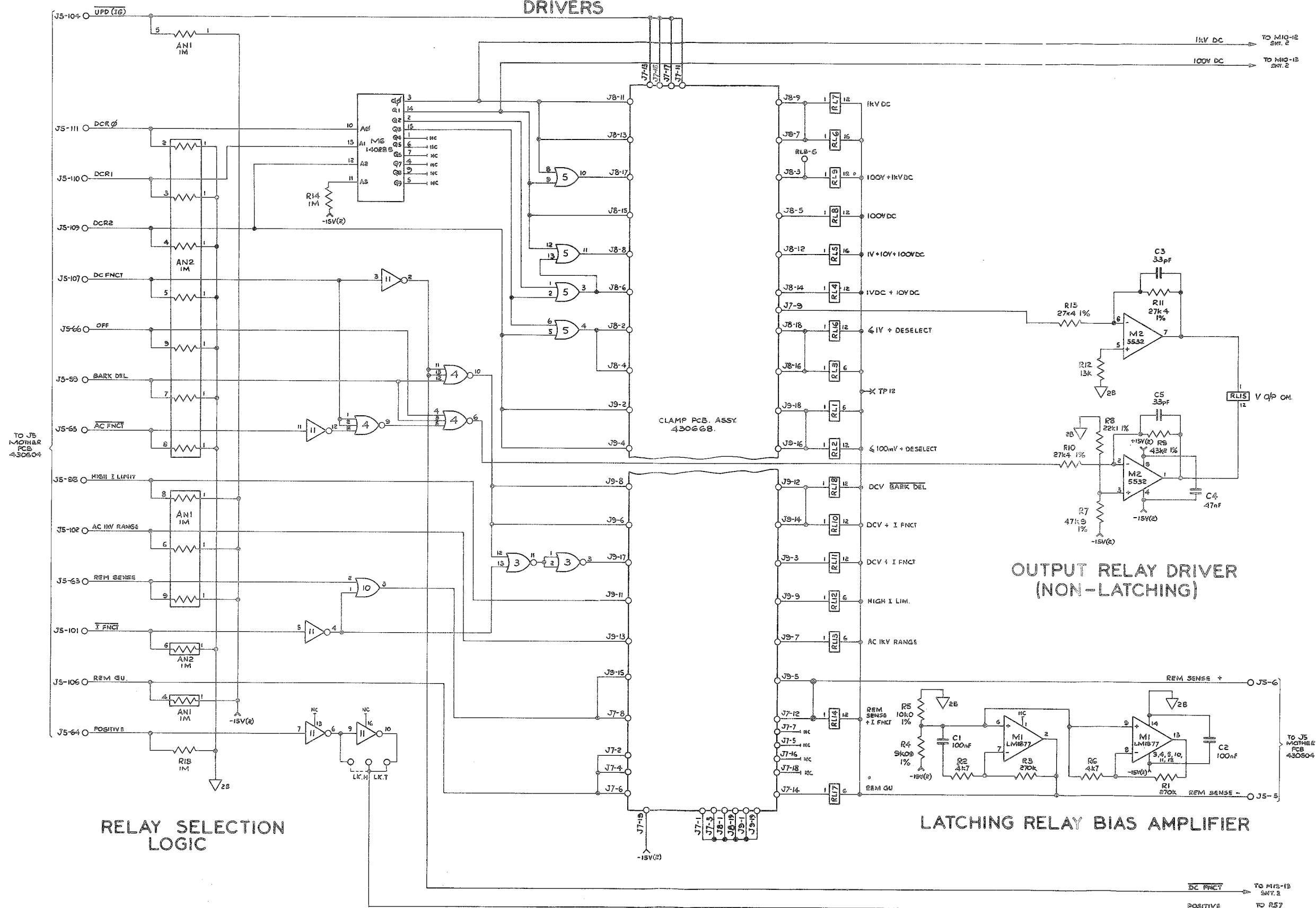
MOUNT THE FOLLOWING COMPONENTS ON LARGE CERAMIC BEADS G50024 - 2 PER LEAD - R17, R27, R28, R43, R76, R85, R101, R107, R122
 THE FOLLOWING COMPONENTS TO BE MOUNTED ALSO ON LARGE BEADS, 1 PER LEAD - D1, D2, D4, D5, D8, D11, D12, D13, D19, D20, D25, R67, R97

THE FOLLOWING COMPONENTS TO BE MOUNTED ON SMALL CERAMIC BEADS G50026 - F1-F6, C30 1 PER LEAD - R23, R108, C49, 2 PER LEAD

N.B. CLASS BEAD G50043 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS: C4, C8-C9, C18, C19, C28-C29, C32, C34, C35, C36, C38, C44



TRI-STATE DRIVERS



RELAY SELECTION LOGIC

OUTPUT RELAY DRIVER (NON-LATCHING)

LATCHING RELAY BIAS AMPLIFIER

DC ASSEMBLY
Relay Drive Logic

Circuit Diagram No. 430536-4.0 Sheet 3



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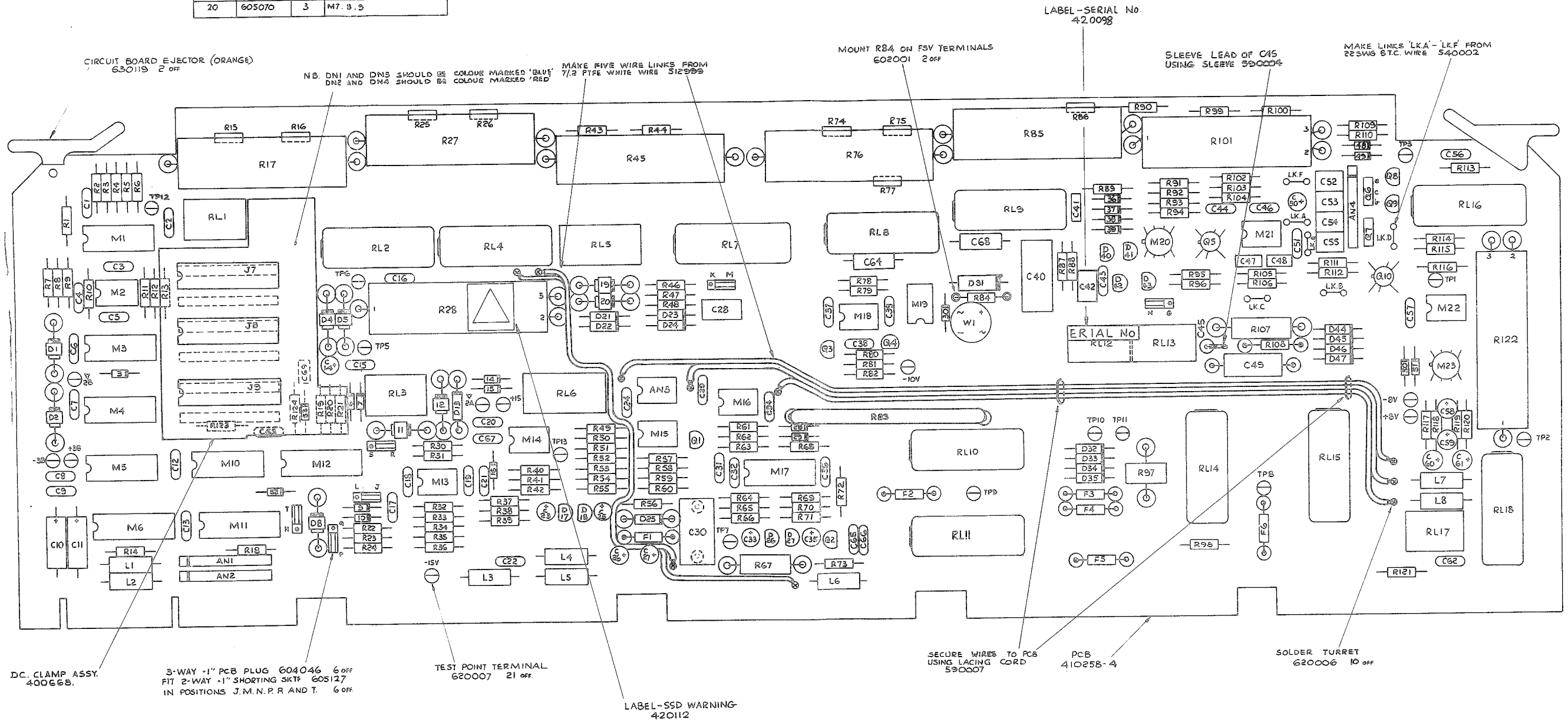
4808

MOUNTING I.C.s			
Nº WAYS	PART Nº	Nº OFF	USED TO MOUNT
8	605059	9	M2, 13, 14, 15, 16, 18, 19, 21, 22
14	605060	6	M1, 3, 4, 5, 10, 17
16	605061	3	M5, 11, 12
20	605070	3	M7, 8, 9

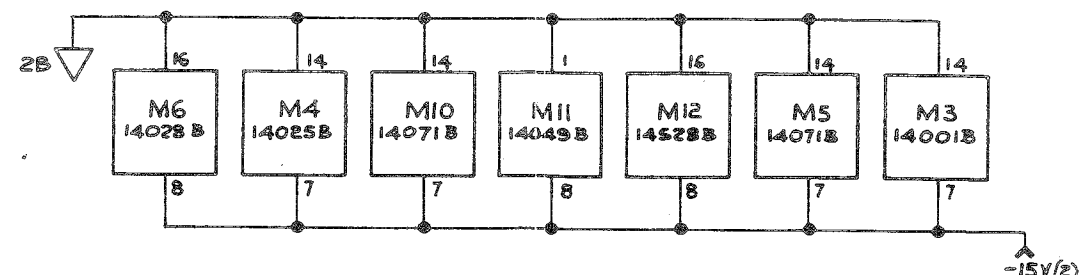
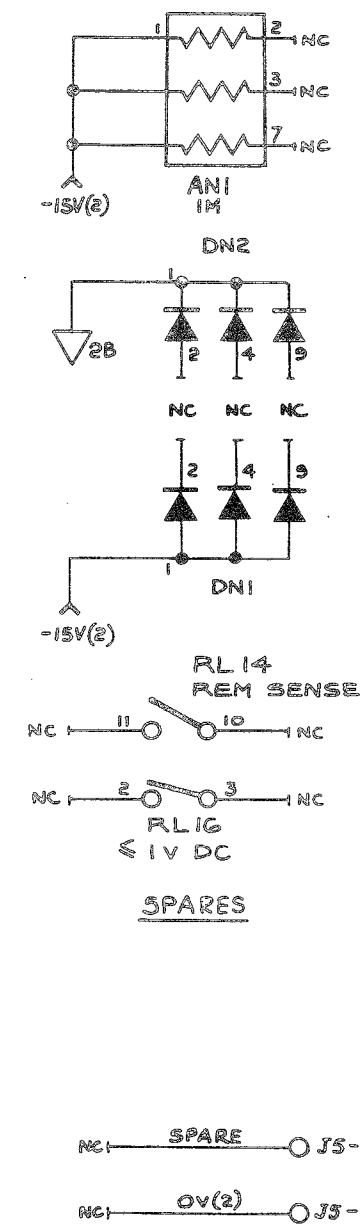
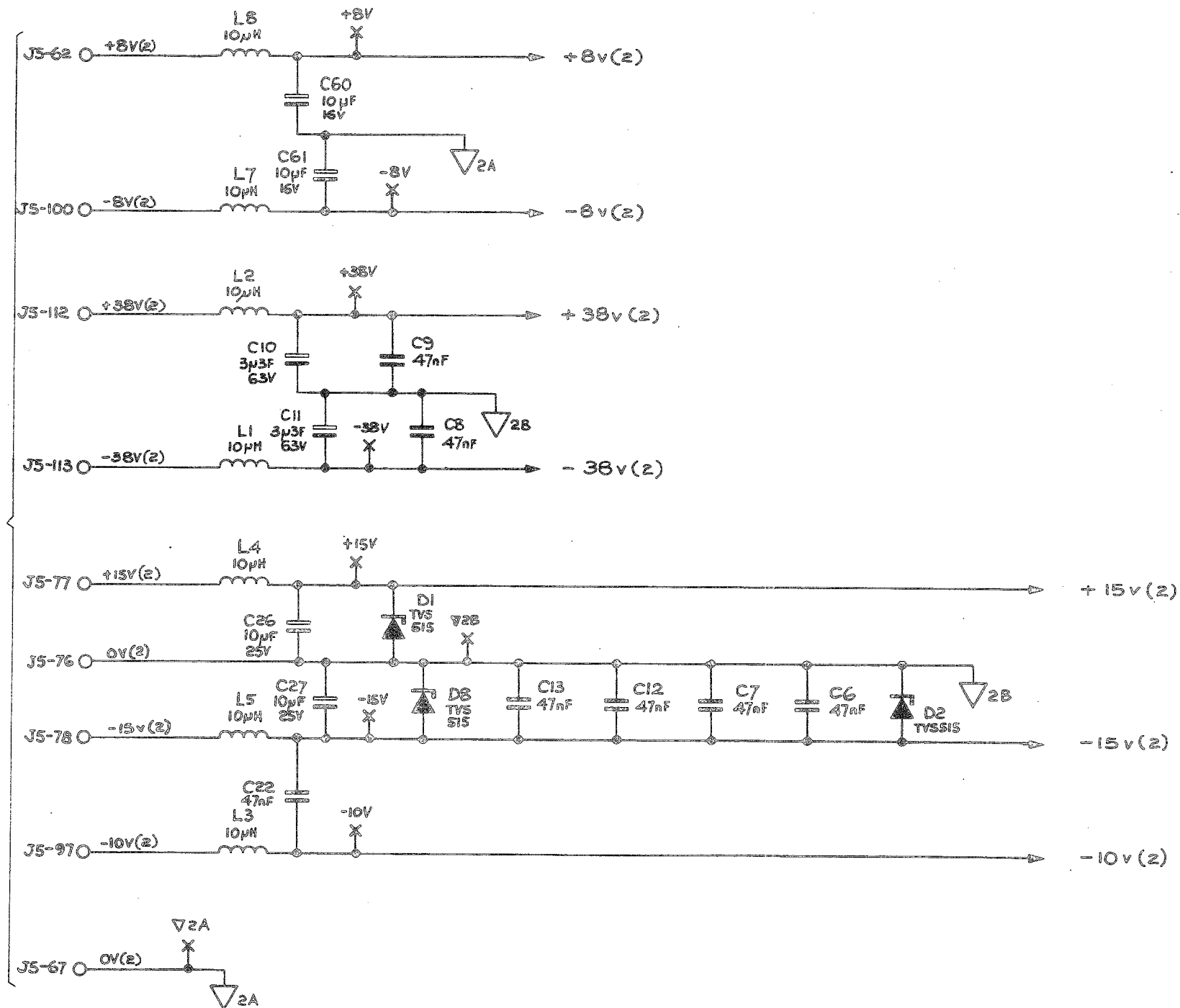
MOUNT THE FOLLOWING COMPONENTS ON LARGE CERAMIC BEADS 650024, 2 PER LEAD - R17, R27, R28, R43, R76, R85, R101, R107, R122
 THE FOLLOWING COMPONENTS TO BE MOUNTED ALSO ON LARGE BEADS, 1 PER LEAD - D1, D2, D4, D5, D8, D11, D12, D13, D19, D20, D25, R97, R97.

THE FOLLOWING COMPONENTS TO BE MOUNTED ON SMALL CERAMIC BEADS 650086 - F1-F6, C30 1 PER LEAD - R83, R108, C49, 2 PER LEAD.

N.B. CLASS BEAD 650045 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS - C4, C8-C9, C18, C19, C20-C22, C24, C32, C34, C36-C38, 24 OFF



TO JS
MOTHER
PCB.
430604



DC ASSEMBLY
Power Supplies

Circuit Diagram No. 430536-4.0 Sheet 4



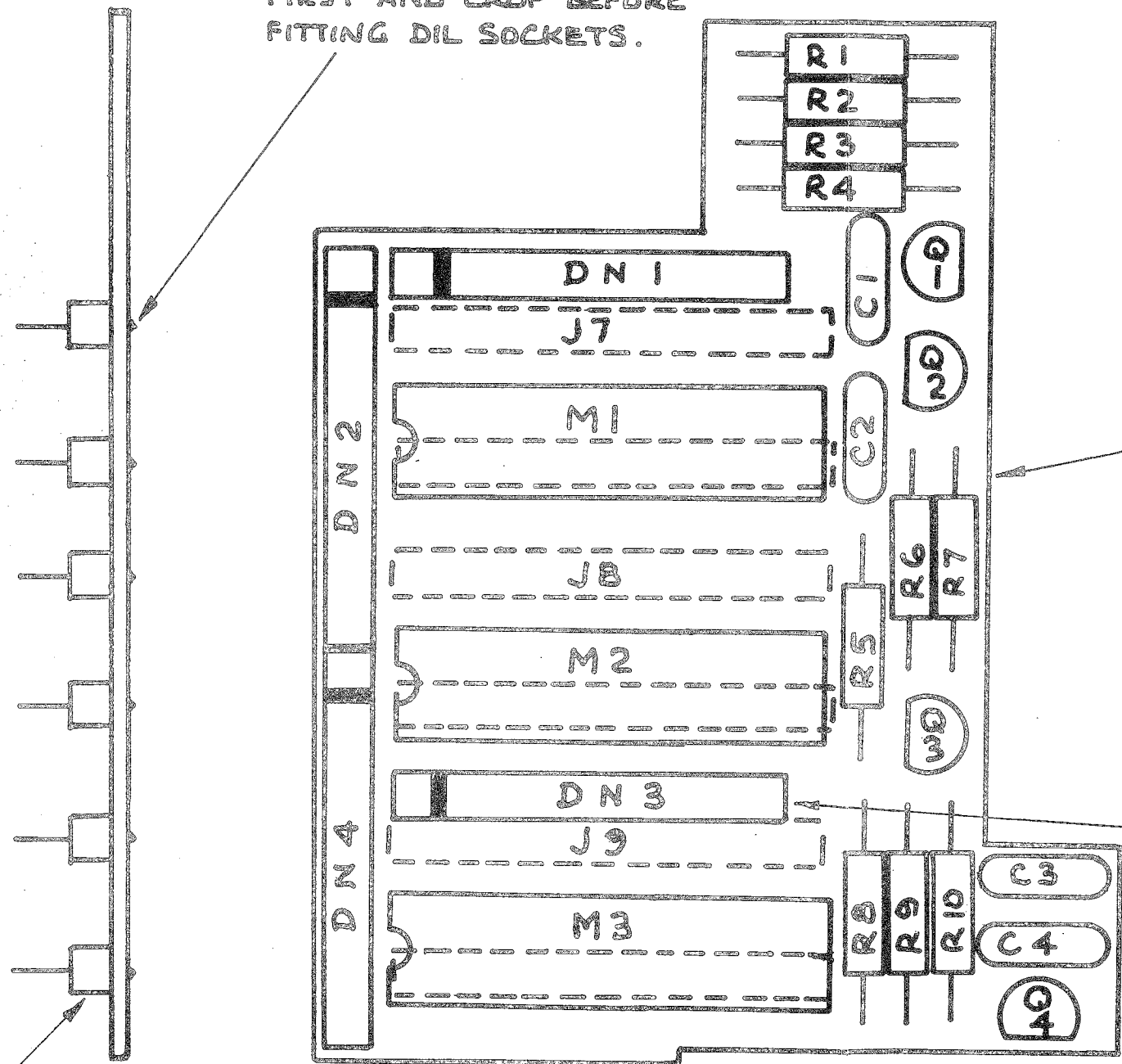
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11.5-4

N.B. FIT HEADER PLUGS
FIRST AND CROP BEFORE
FITTING DIL SOCKETS.

NOTE. DN1 + DN3 ARE CODED BLUE
DN2 + DN4 ARE CODED RED



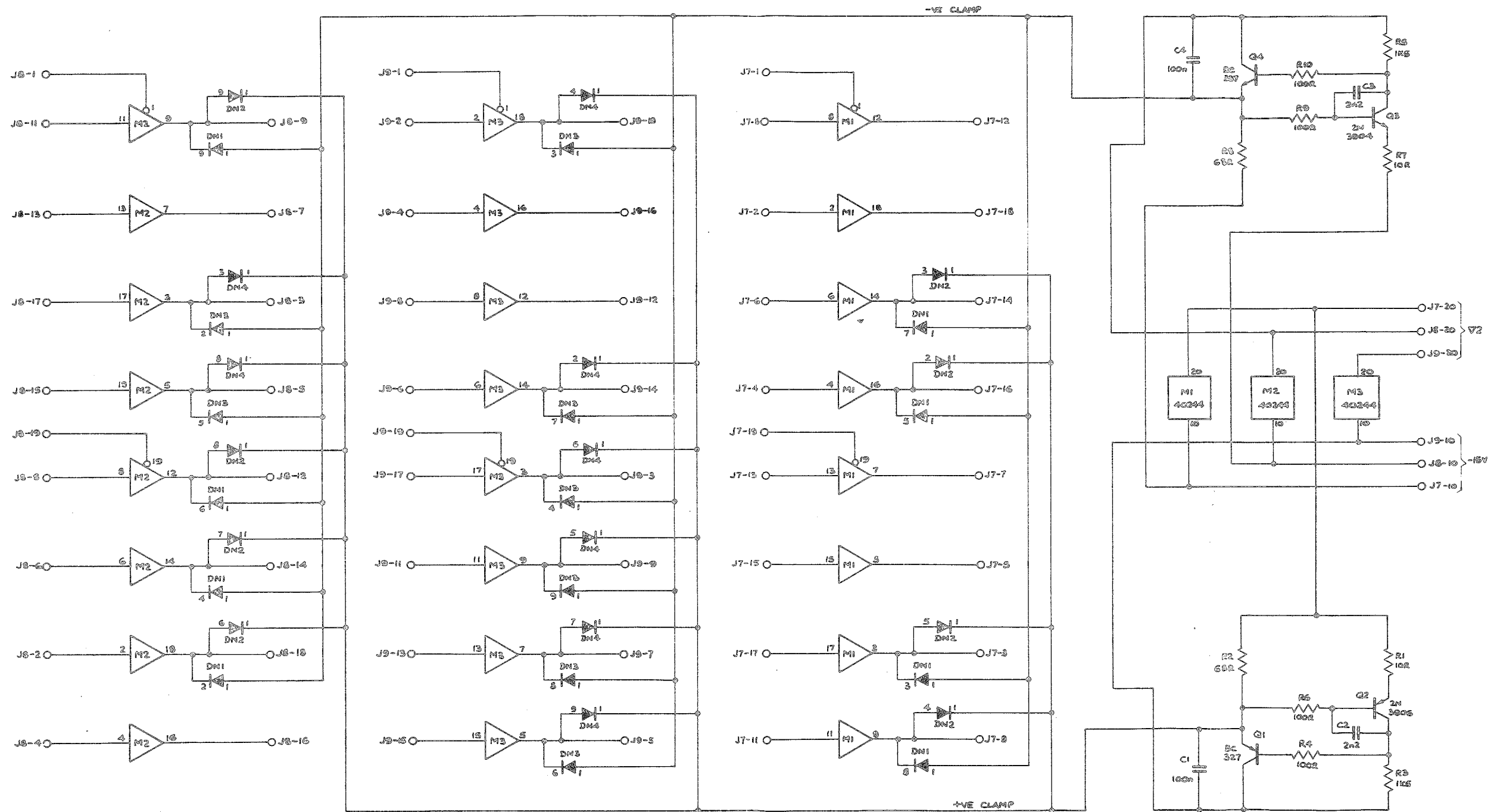
PCB 410363-1

MOUNT M1, M2, M3 IN
20 WAY DIL SOCKETS
605070.

CROP LEADS OF DN3 TO
3.0MM PRIOR TO FITTING
TO PCB.

MAKE HEADER PLUGS
FROM 604057 (6 OFF)

DN1 AND DN3 ARE CA-1N4148
 DN2 AND DN4 ARE CC-1N4148



DC CLAMP ASSEMBLY

Circuit Diagram No. 430668-1.2 Sheet 1



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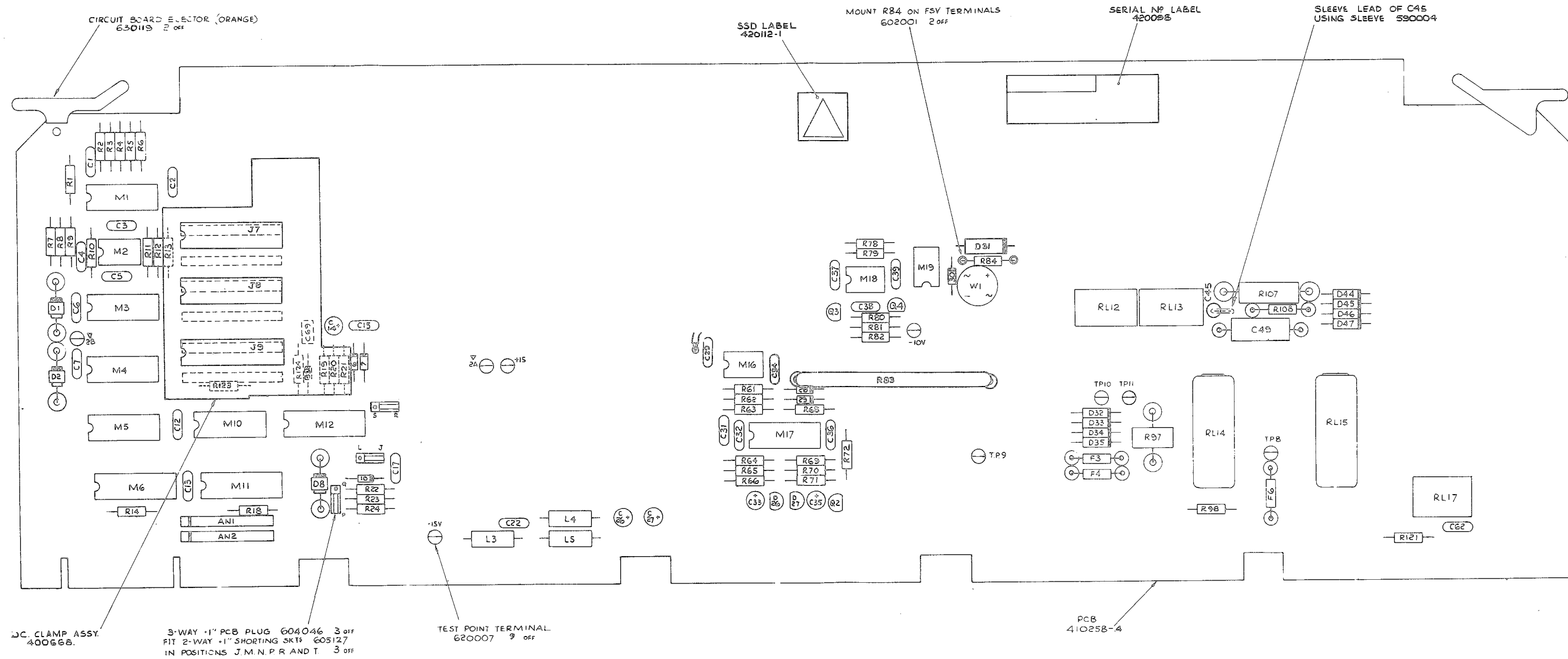
MOUNTING I.C.s.			
NO WAYS	PART NO	NO OFF	USED TO MOUNT
8	605059	3	M2, 16, 18, 19
14	605060	6	M1, 3, 4, 5, 10, 17
16	605061	3	M6, 11, 12
20	605070	3	J7, 8, 9

MOUNT THE FOLLOWING COMPONENTS ON LARGE CERAMIC BEADS 630024, 2 PER LEAD- R107

THE FOLLOWING COMPONENTS TO BE MOUNTED ALSO ON LARGE BEADS, 1 PER LEAD - D1, D2, D8 R97

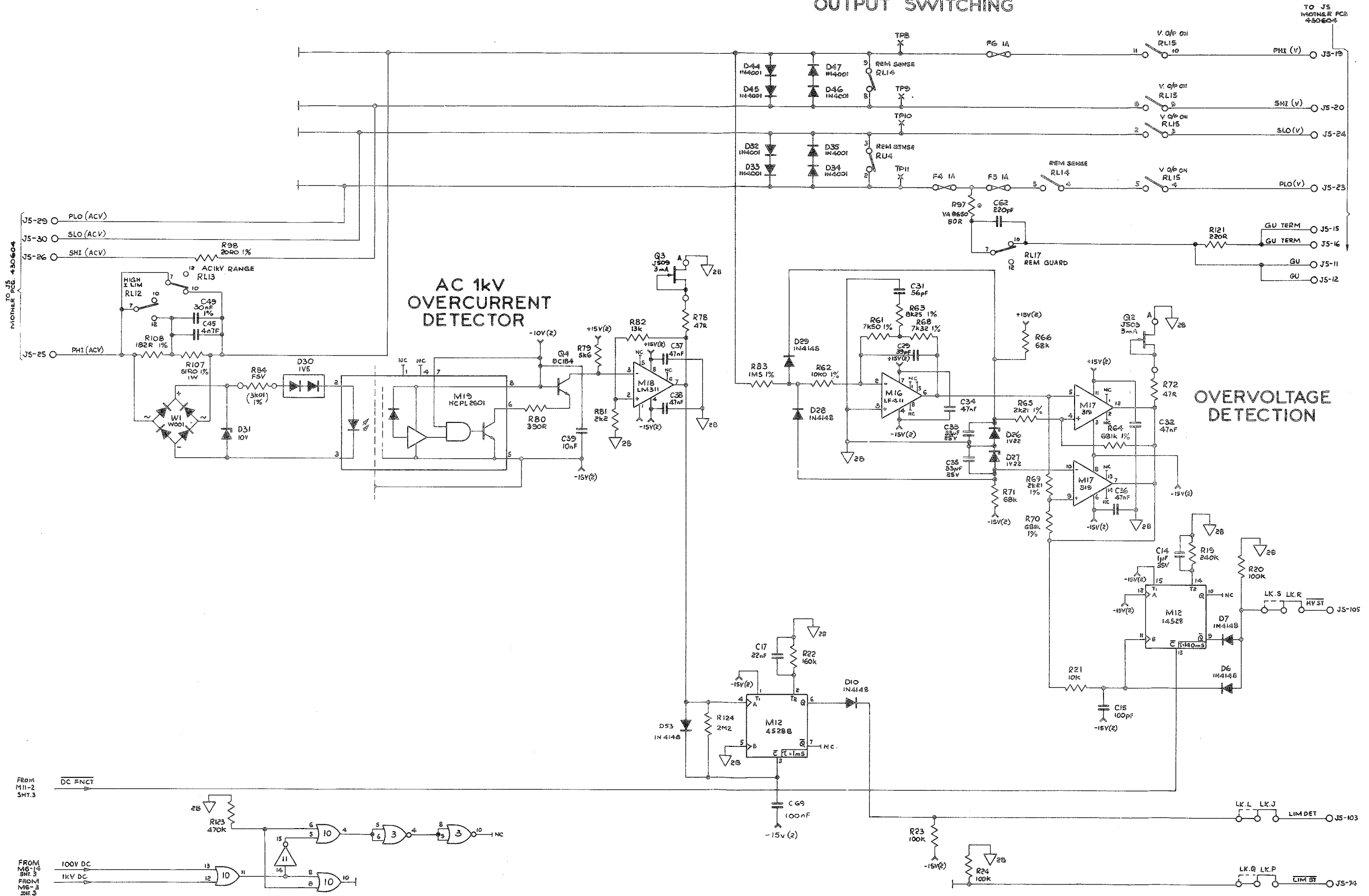
THE FOLLOWING COMPONENTS TO BE MOUNTED ON SMALL CERAMIC BEADS 630026- R3, 4, 6 1 PER LEAD. R83, R108, C49, 2 PER LEAD.

M.I. CASE BEAD 630023 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS - C4, C5, C7, C12, C15, C22, C23, C24, C25-C28, 22 OFF



OUTPUT CONTROL ASSEMBLY

OUTPUT SWITCHING



4808
OUTPUT CONTROL ASSEMBLY
 Output Switching and Overload Sense



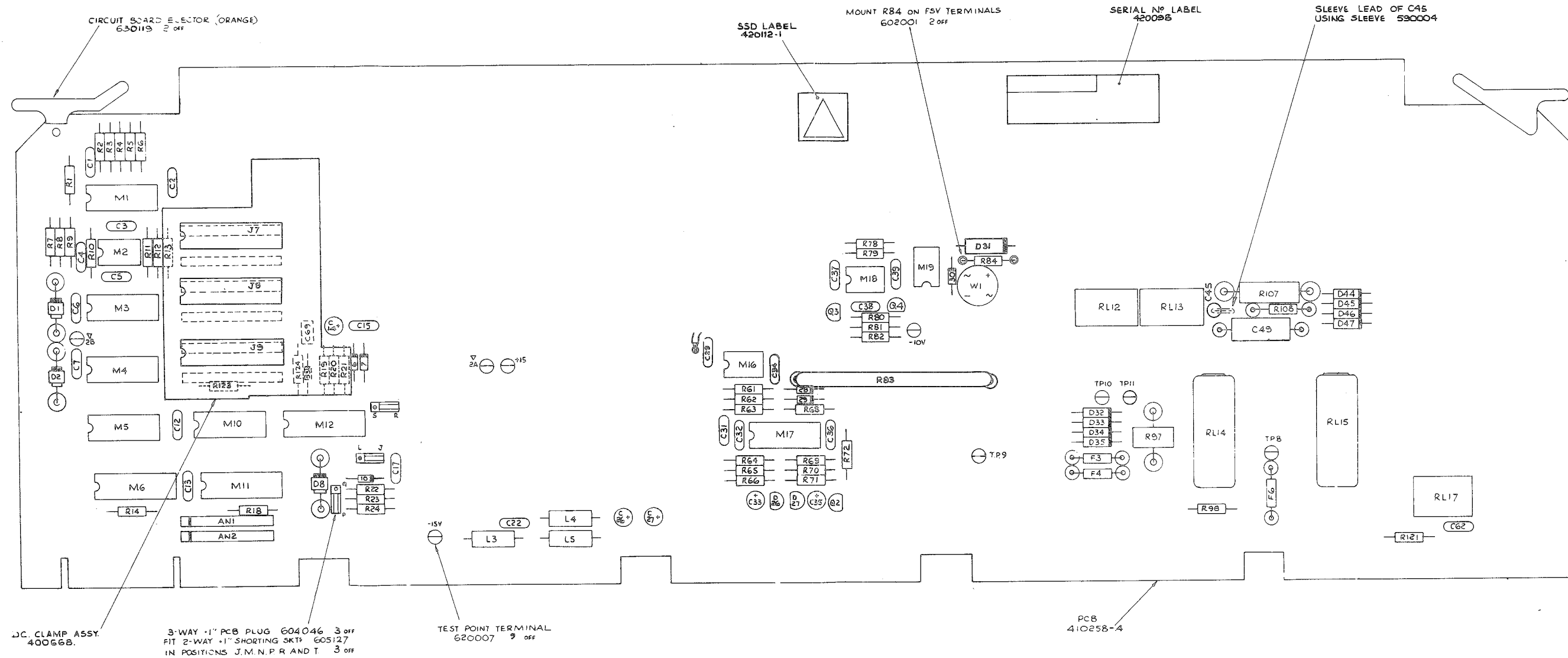
MOUNTING I.C.s.			
N° WAYS	PART N°	N° OFF	USED TO MOUNT
8	605059	4	M2, 16, 18, 19
14	605060	6	M1, 3, 4, 5, 10, 17
16	605061	3	M6, 11, 12
20	605070	3	J7, 8, 9

MOUNT THE FOLLOWING COMPONENTS ON
LARGE CERAMIC BEADS 630024, 2 PER LEAD -
R107

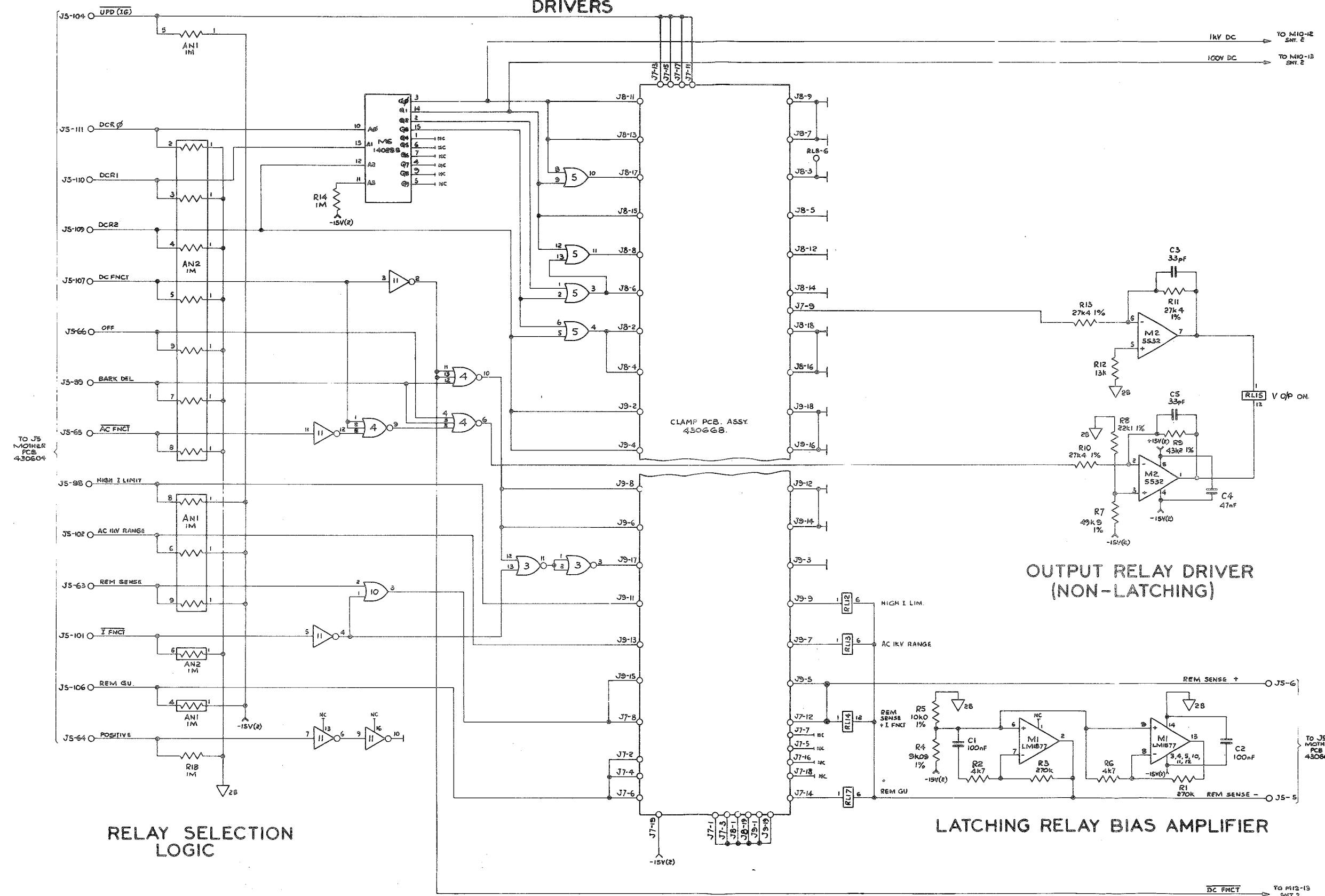
THE FOLLOWING COMPONENTS TO BE MOUNTED
ALSO ON LARGE BEADS, 1 PER LEAD - D1, D2,
D8, R97

THE FOLLOWING COMPONENTS TO BE MOUNTED ON
SMALL CERAMIC BEADS 650056 - F3, 4, 6 1 PER LEAD -
R83, R108, C49, 2 PER LEAD

N.B. CLASS BEAD 630043 FITTED TO EACH LEG OF
THE FOLLOWING COMPONENTS - C4, C6, C7, C12, C15
C22, C32, C34, C36-C38, 22 OFF



TRI-STATE DRIVERS



RELAY SELECTION LOGIC

OUTPUT RELAY DRIVER (NON-LATCHING)

LATCHING RELAY BIAS AMPLIFIER

OUTPUT CONTROL ASSEMBLY
Relay Drive Logic

Circuit Diagram No. DC400909-1.0 Sheet 2



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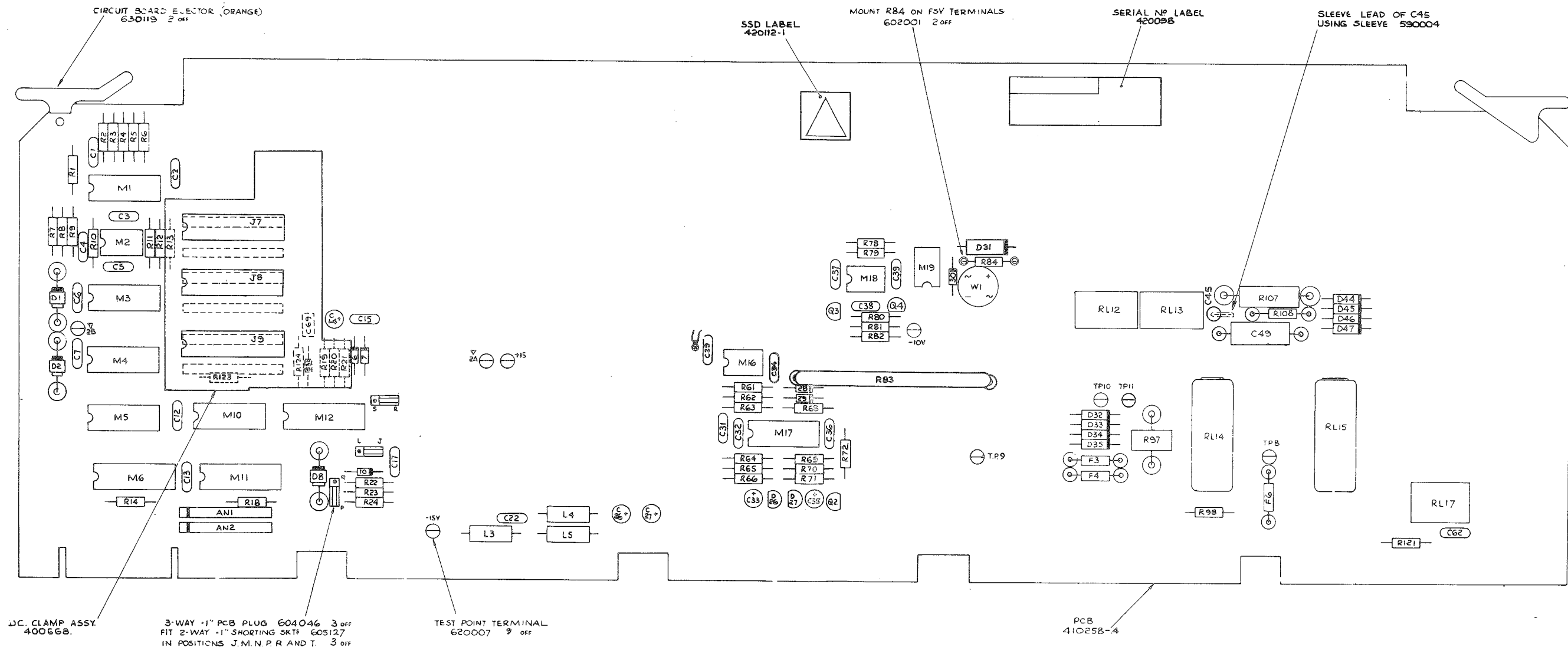
MOUNTING I.C.s.			
NO WAYS	PART NO	NO OFF	USED TO MOUNT
8	605059	4	M2, 16, 18, 19
14	605060	6	M1, 3, 4, 5, 10, 17
16	605061	3	M6, 11, 12
20	605070	3	J7, 8, 9

MOUNT THE FOLLOWING COMPONENTS ON
LARGE CERAMIC BEADS 630024, 2 PER LEAD -
R107

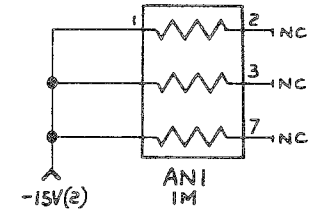
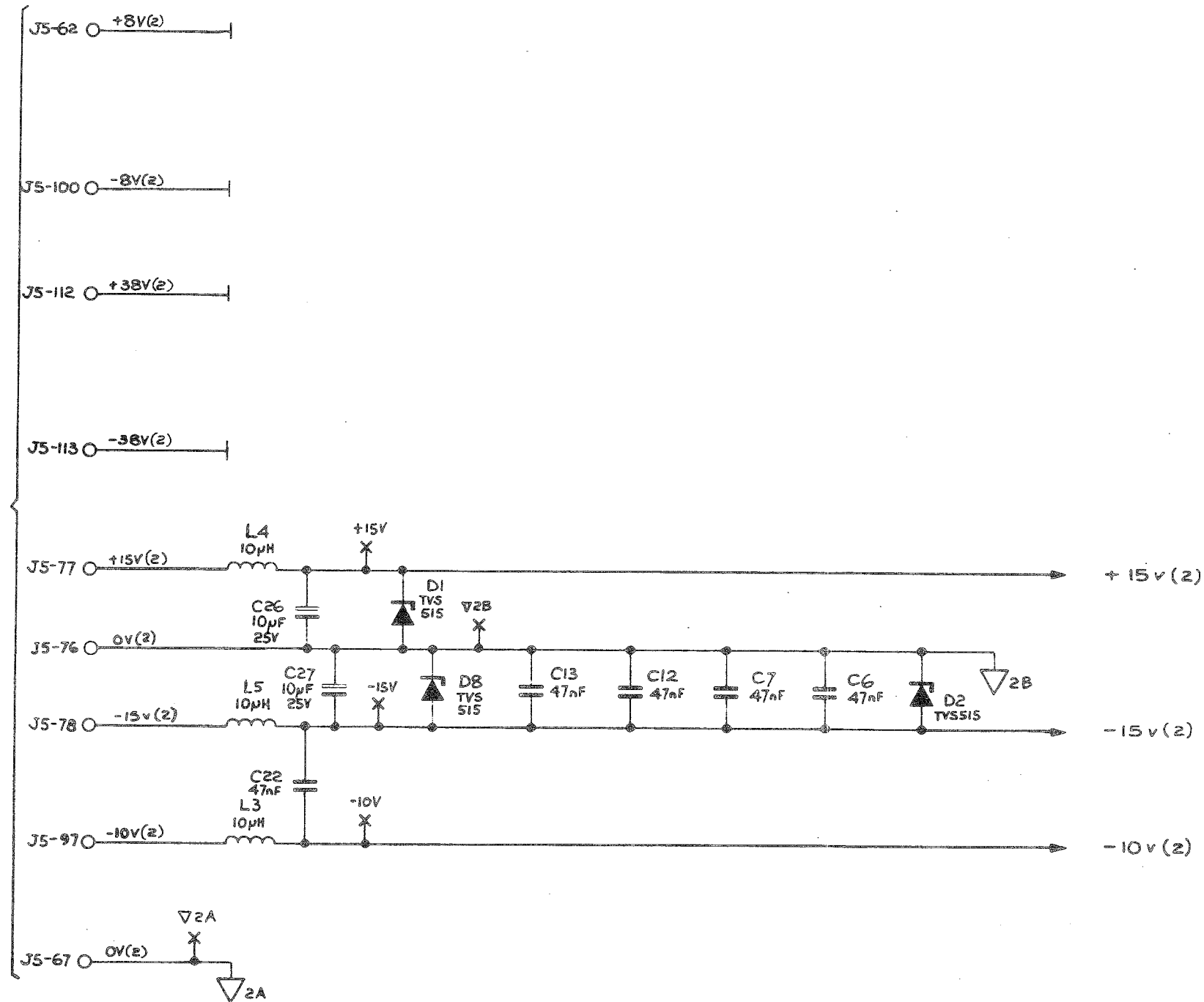
THE FOLLOWING COMPONENTS TO BE MOUNTED
ALSO ON LARGE BEADS, 1 PER LEAD: D1, D2,
D8, R97

THE FOLLOWING COMPONENTS TO BE MOUNTED ON
SMALL CERAMIC BEADS 630026: F3, F4, 1 PER LEAD.
R83, R108, C49, 2 PER LEAD.

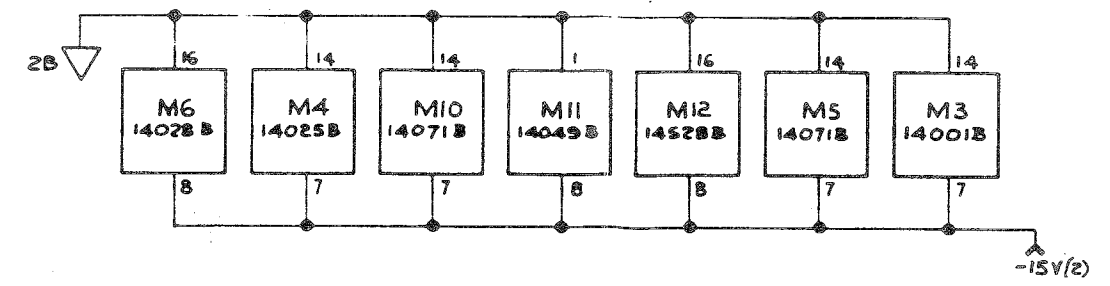
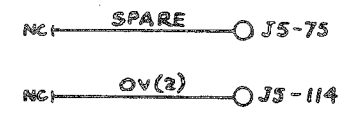
N.B. CLASS BEAD 630043 FITTED TO EACH LEG OF
THE FOLLOWING COMPONENTS: C4, C6, C7, C12, C13
C22, C32, C33, C35, C38, 22 OFF



TO JS
MOTHER
PCB.
430604



SPARES



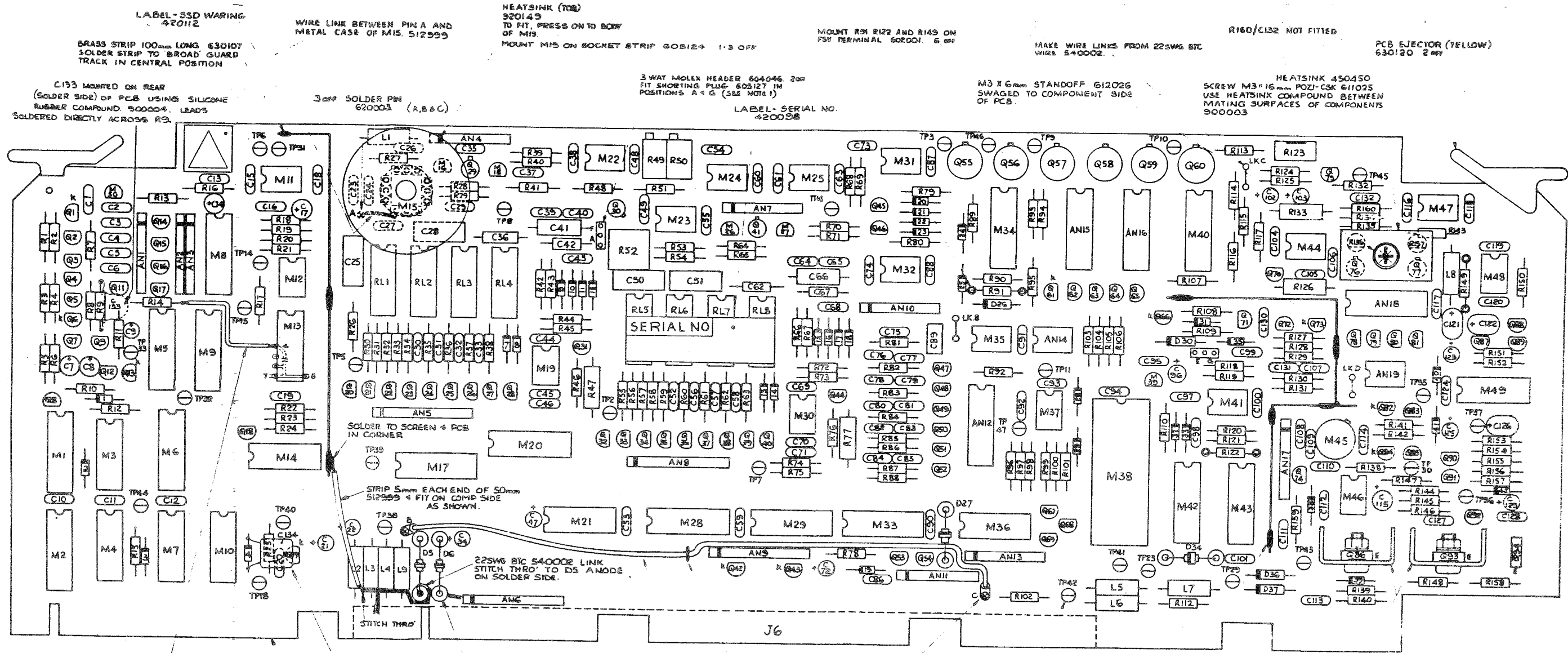
OUTPUT CONTROL ASSEMBLY
Power Supplies

Circuit Diagram No. DC400909-1.0 Sheet 3



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NOTE: FIT LINK 'E' AND LINK 'F' IN PLACE OF LINK 'A' AND LINK 'G' FOR TEST



LABEL-SSD WARING 420112

WIRE LINK BETWEEN PIN A AND METAL CASE OF M15. 512999

HEATSINK (TOP) 920149 TO FIT, PRESS ON TO BODY OF M15. MOUNT M15 ON SOCKET STRIP 608124 1-3 OFF

MOUNT R9 R122 AND R149 ON P5V TERMINAL 602001 6 OFF

MAKE WIRE LINKS FROM 22SWG BIC WIRE 540002.

R160/C132 NOT FITTED

PCB EJECTOR (YELLOW) 630120 2 OFF

C133 MOUNTED ON REAR (SOLDER SIDE) OF PCB USING SILICONE RUBBER COMPOUND 900004. LEADS SOLDERED DIRECTLY ACROSS R9.

3 OFF SOLDER PIN 620003 (A,B,C)

3 WAY MOLEX HEADER 604046 2 OFF FIT SHORTING PLUG 605127 IN POSITIONS A & G (SEE NOTE 1)

LABEL-SERIAL NO. 420098

M3 X 6mm STANDOFF 612026 SWAGED TO COMPONENT SIDE OF PCB.

HEATSINK 450450 SCREW M3 X 16mm POZI-CSK 611025 USE HEATSINK COMPOUND BETWEEN MATING SURFACES OF COMPONENTS 900003

FIT 1/0.4 PITCH BLACK WIRE BETWEEN R14 AND M15 PIN 4 540006. CUT TRACK TO M15 PIN 4 ON SOLDER SIDE OF BOARD, AS SHOWN.

PCB 410171-8

MOUNT D5 D6, D27 & D34 ON CERAMIC BEAD 630024 8 OFF

WIRE LINK 7/0.2mm PTFE WHITE WIRE 512999.

TWISTED COPPER WIRE LOOP 540002 TO RESTRAIN PTFE WIRE.

SLEEVE EACH END OF THIS WIRE WITH 7/2 PIECE OF SLEEVING 550001

TEST POINT TERMINAL 620007 32 OFF

HEATSINK T0220 920089 2 OFF SCREW M3 X 8mm POZI-PAN 611016 2 OFF M3 SHAKEPROOF 613005 2 OFF M3 NUT 615002 2 OFF N.B. USE HEATSINK COMPOUND 900005 BETWEEN MATING SURFACE OF Q86 & Q93 AND HEATSINK. MOUNT THESE DEVICES SQUARELY ON HEATSINKS

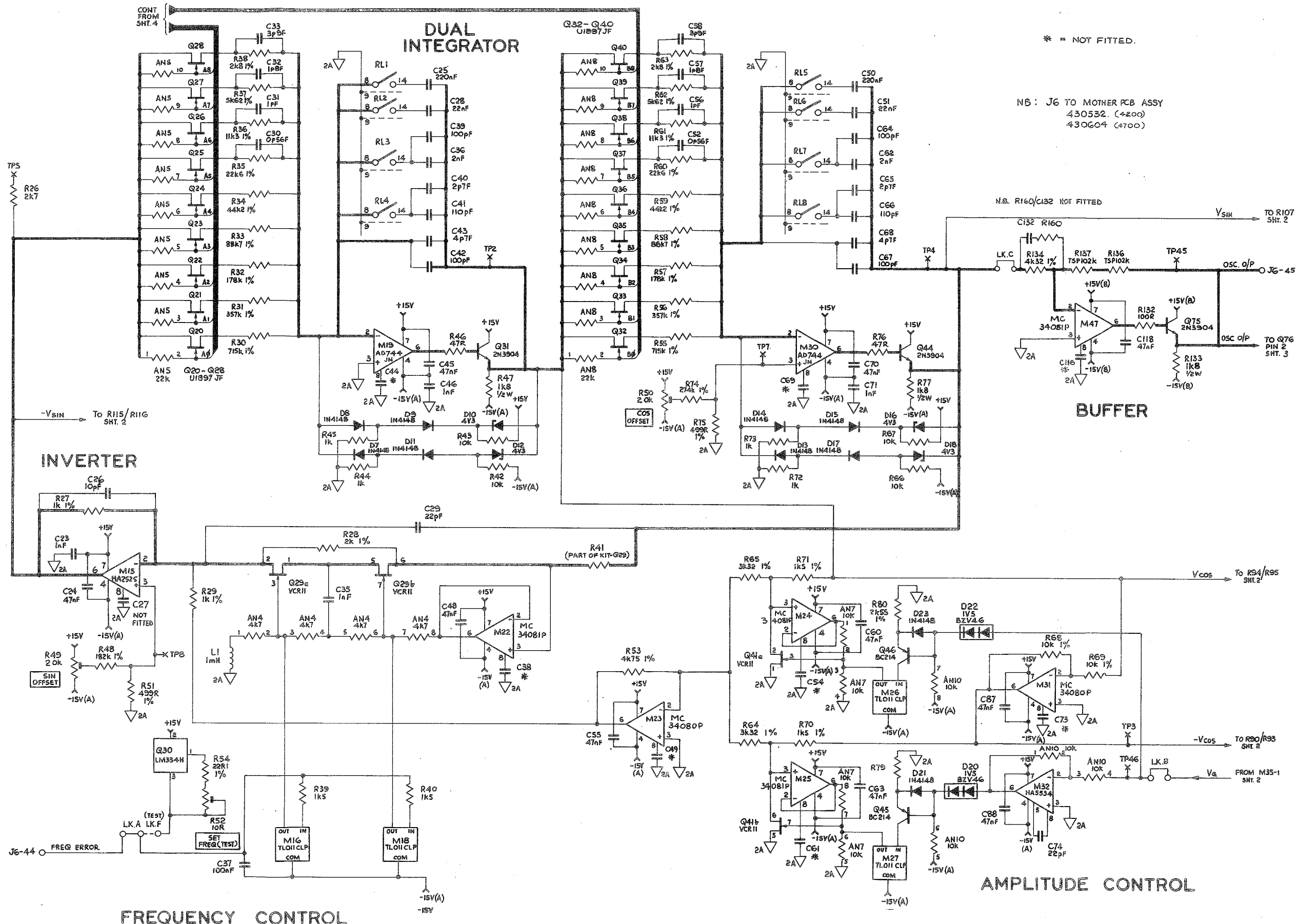
BRASS STRIP (IN 2 LENGTHS) 58mm X 3mm 630107. SOLDER 2 STRIPS TO BROAD GUARD TRACK IN CENTRAL POSITION.

N.B. GLASS BEAD 630243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS: C10-C13, C15-C19, C24-C46, C53-C55, C59-C60, C63-C70, C87-C88, C90-C91, C93-C94, C100, C101-C103, C113-C114, C118-C120, C124-C128, D4

MOUNTING IC's			
NO OF WAYS	PART NO	NO OFF	WHERE USED
8	605059	17	M11, M15, M22-25, M30, M31, M32, M33, M37, M41, M44, M46, M47, M48, M12
14	605060	9	M3, M4, M7, M10, M13, M14, M21, M36, M49
16	605061	15	M1, M2, M5, M6, M8, M9, M17, M20, M28, M29, M33, M34, M40, M42, M43
28	605065	1	M38



SINE SOURCE ASSEMBLY



* = NOT FITTED.

NB: J6 TO MOTHER PCB ASSY
430532. (+200)
430604 (+700)

N.B. R160/C132 NOT FITTED

BUFFER

AMPLITUDE CONTROL

FREQUENCY CONTROL

SINE SOURCE ASSEMBLY

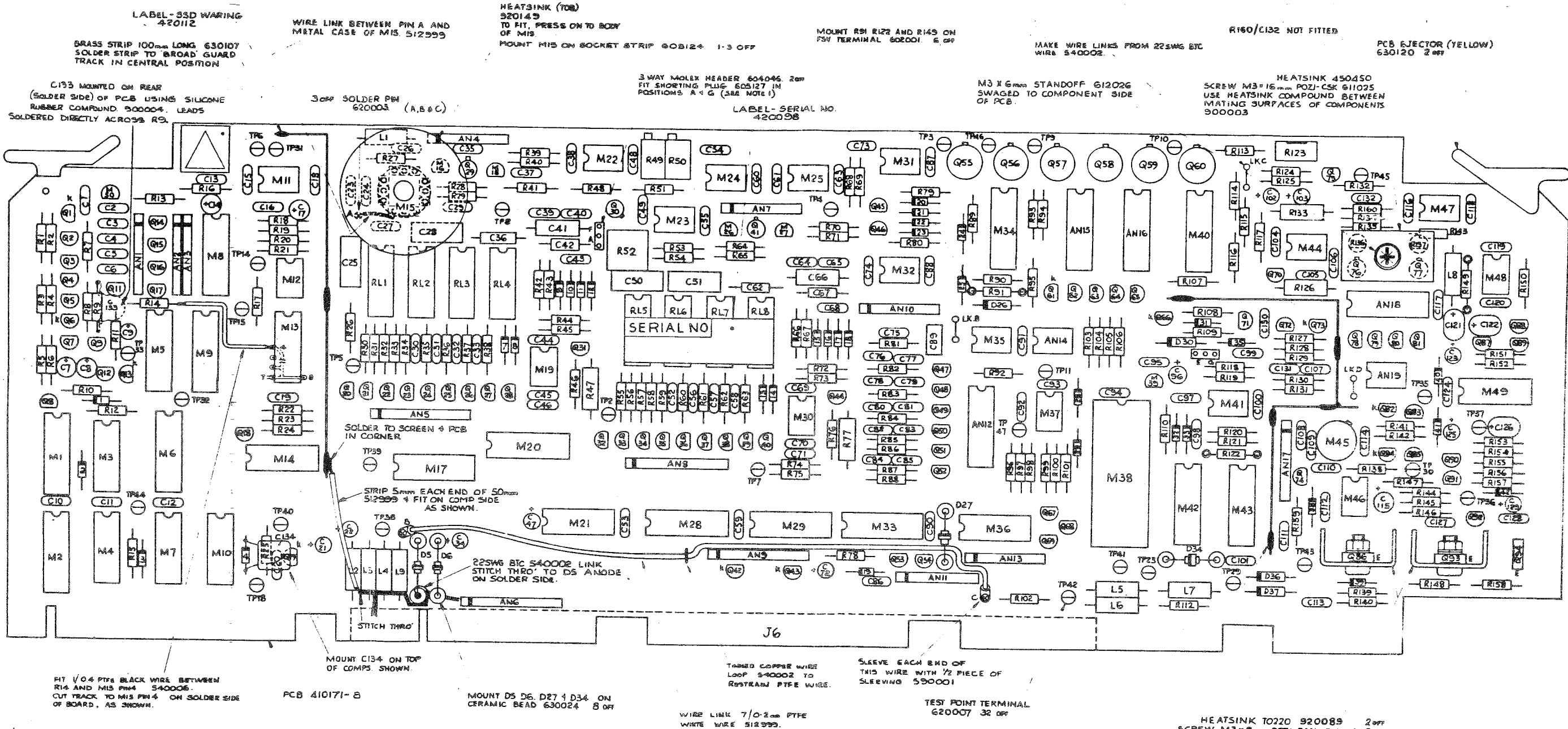
Sine Oscillator

Circuit Diagram No. 430446-11.2 Sheet 1



© Datron Instruments 1991

NOTE: FIT LINK 'E' AND LINK 'F' IN PLACE OF LINK 'A' AND LINK 'G' FOR TEST.



LABEL-SSD WAVING 420112

WIRE LINK BETWEEN PIN A AND METAL CASE OF MIS 512999

HEATSINK (TOP) 520149 TO FIT, PRESS ON TO BODY OF MIS MOUNT MIS ON SOCKET STRIP 60B124 1-3 OFF

MOUNT R91 R122 AND R145 ON FSV TERMINAL 602001 6 OFF

MAKE WIRE LINKS FROM 22SWG BIC WIRE 540002

R160/C132 NOT FITTED

PCB EJECTOR (YELLOW) 630120 2 OFF

C133 MOUNTED ON REAR (SOLDER SIDE) OF PCB USING SILICONE RUBBER COMPOUND 900004. LEADS SOLDERED DIRECTLY ACROSS R9.

3 OFF SOLDER PIN 620003 (A,B,C)

3 WAY MOLEX HEADER 604096 2 OFF FIT SHORTING PLUG 605127 IN POSITIONS A & G (SEE NOTE 1)

LABEL-SERIAL NO. 420098

M3 X 6mm STANDOFF 612026 SWAGED TO COMPONENT SIDE OF PCB

HEATSINK 450450 SCREW M3 X 6mm POZI-CSK 611025 USE HEATSINK COMPOUND BETWEEN MATING SURFACES OF COMPONENTS 900003

SOLDER TO SCREEN PCB IN CORNER

STRIP 5mm EACH END OF 50mm 512999 & FIT ON COMP SIDE AS SHOWN.

22SWG BIC 540002 LINK STITCH THRU TO D5 ANODE ON SOLDER SIDE.

MOUNT C134 ON TOP OF COMPS SHOWN

TINNED COPPER WIRE LOOP 540002 TO RESTRAIN PTFE WIRE

SLEEVE EACH END OF THIS WIRE WITH 1/2 PIECE OF SLEEVING 550001

TEST POINT TERMINAL 620007 32 OFF

FIT 1/04 PTFE BLACK WIRE BETWEEN R14 AND MIS PIN 4 540006. CUT TRACK TO MIS PIN 4 ON SOLDER SIDE OF BOARD, AS SHOWN.

PCB 410171-8

MOUNT D5 D6, D27 & D34 ON CERAMIC BEAD 630024 8 OFF

WIRE LINK 7/0-2mm PTFE WHITE WIRE 512999.

MOUNTING IC'S			
NO OF WAYS	PART NO	NO OFF	WHERE USED
8	605059	17	M11, M19, M22-25, M30, M31, M32, M33, M37, M41, M44, M46, M47, M48, M12
14	605060	9	M3, M4, M7, M10, M13, M14, M21, M36, M43
16	605061	15	M1, M2, M5, M6, M8, M9, M17, M20, M28, M29, M33, M34, M40, M42, M43
28	605065	1	M38

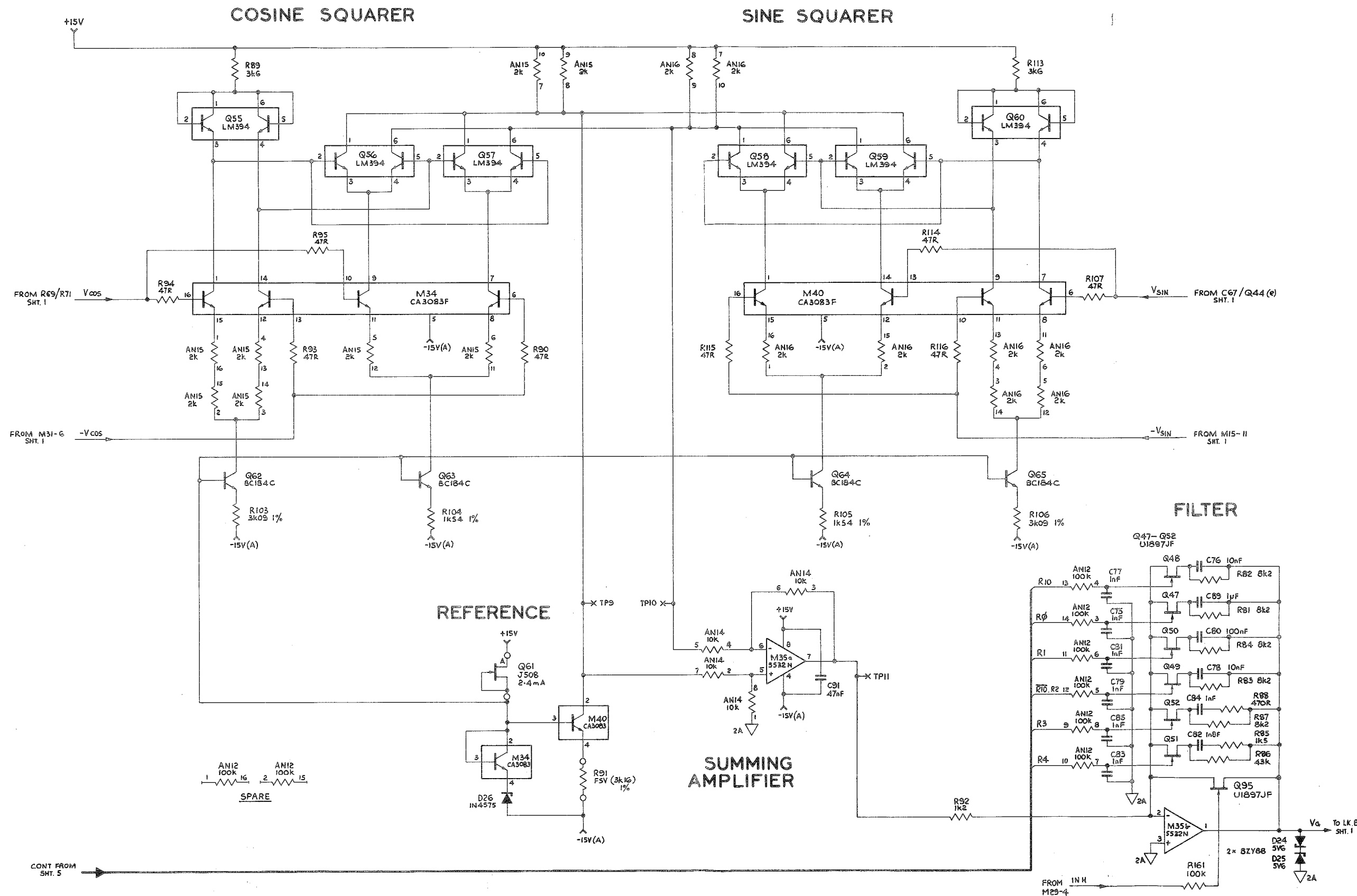
HEATSINK T0220 920089 2 OFF SCREW M3 X 6mm POZI-PAN 611016 2 OFF M3 SHAKEPROOF 613005 2 OFF M3 NUT 615002 2 OFF N.B. USE HEATSINK COMPOUND 900005 BETWEEN MATING SURFACE OF Q86 & Q93 AND HEATSINK. MOUNT THESE DEVICES SQUARELY ON HEATSINKS

BRASS STRIP (IN 2 LENGTHS) 58mm x 3mm 630107. SOLDER 2 STRIPS TO BROAD GUARD TRACK IN CENTRAL POSITION.

N.B. GLASS BEAD 630243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS :- C10-C13, C15, C19, C24, C45, C48, C53, C55, C59, C60, C63, C70, C87, C88, C90, C91, C93, C94, C100, C101, C105, C113, C14, C118, C120, C124, C128, D4

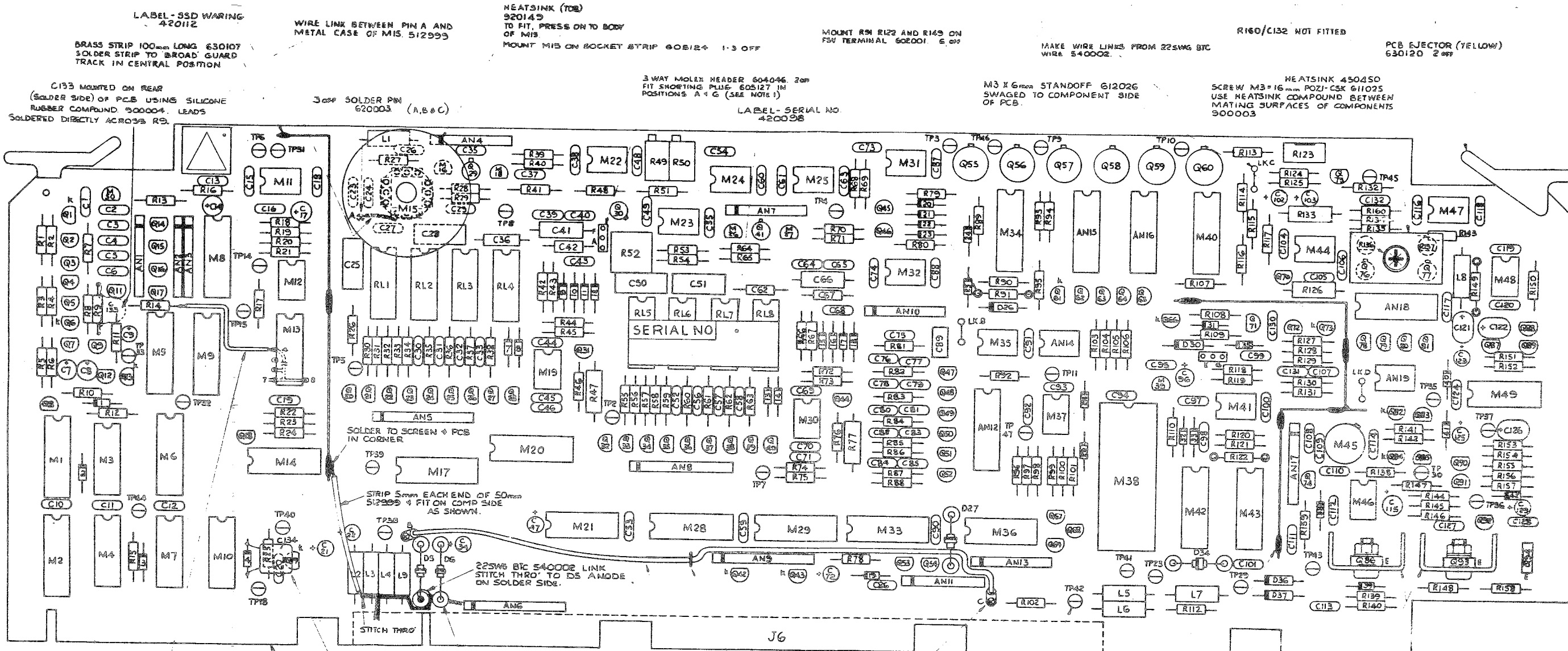


SINE SOURCE ASSEMBLY



SINE SOURCE ASSEMBLY
Oscillator Amplitude Detector and Reference

NOTE: FIT LINK 'E' AND LINK 'F' IN PLACE OF LINK 'A' AND LINK 'G' FOR TEST.



LABEL-SSD WIRING 420112

BRASS STRIP 100mm LONG 630107 SOLDER STRIP TO 'BROAD' GUARD TRACK IN CENTRAL POSITION

WIRE LINK BETWEEN PIN A AND METAL CASE OF M15 512999

HEATSINK (TOP) 920149 TO FIT, PRESS ON TO BODY OF M15 MOUNT M15 ON SOCKET STRIP 606124 1-3 OFF

MOUNT RM R122 AND R145 ON FSW TERMINAL 602001 6 OFF

MAKE WIRE LINKS FROM 22SWG BTC WIRE 540002

R160/C132 NOT FITTED

PCB EJECTOR (YELLOW) 630120 2 OFF

C133 MOUNTED ON REAR (SOLDER SIDE) OF PCB USING SILICONE RUBBER COMPOUND 900004. LEADS SOLDERED DIRECTLY ACROSS RS.

3mm SOLDER PIN 620003 (A,B,C)

3 WAY MOLEX HEADER 604046 2OFF FIT SHORTING PLUS 605127 IN POSITIONS A + G (SEE NOTE 1)

LABEL-SERIAL NO. 420098

M3 X 6mm STANDOFF 612026 SWAGED TO COMPONENT SIDE OF PCB.

HEATSINK 450450 SCREW M3 X 16mm POZI-CSK 611025 USE HEATSINK COMPOUND BETWEEN MATING SURFACES OF COMPONENTS 900003

FIT 1/0-4 PTFE BLACK WIRE BETWEEN R14 AND M15 PH4 540005. CUT TRACK TO M15 PH4 ON SOLDER SIDE OF BOARD, AS SHOWN.

PCB 410171-8

MOUNT D5 D6, D27 & D34 ON CERAMIC BEAD 630024 8 OFF

TANNED COPPER WIRE LOOP 540002 TO RESTRAIN PTFE WIRE.

SLEEVE EACH END OF THIS WIRE WITH 1/2 PIECE OF SLEEVING 550001

WIRE LINK 7/0-2mm PTFE WHITE WIRE 512999.

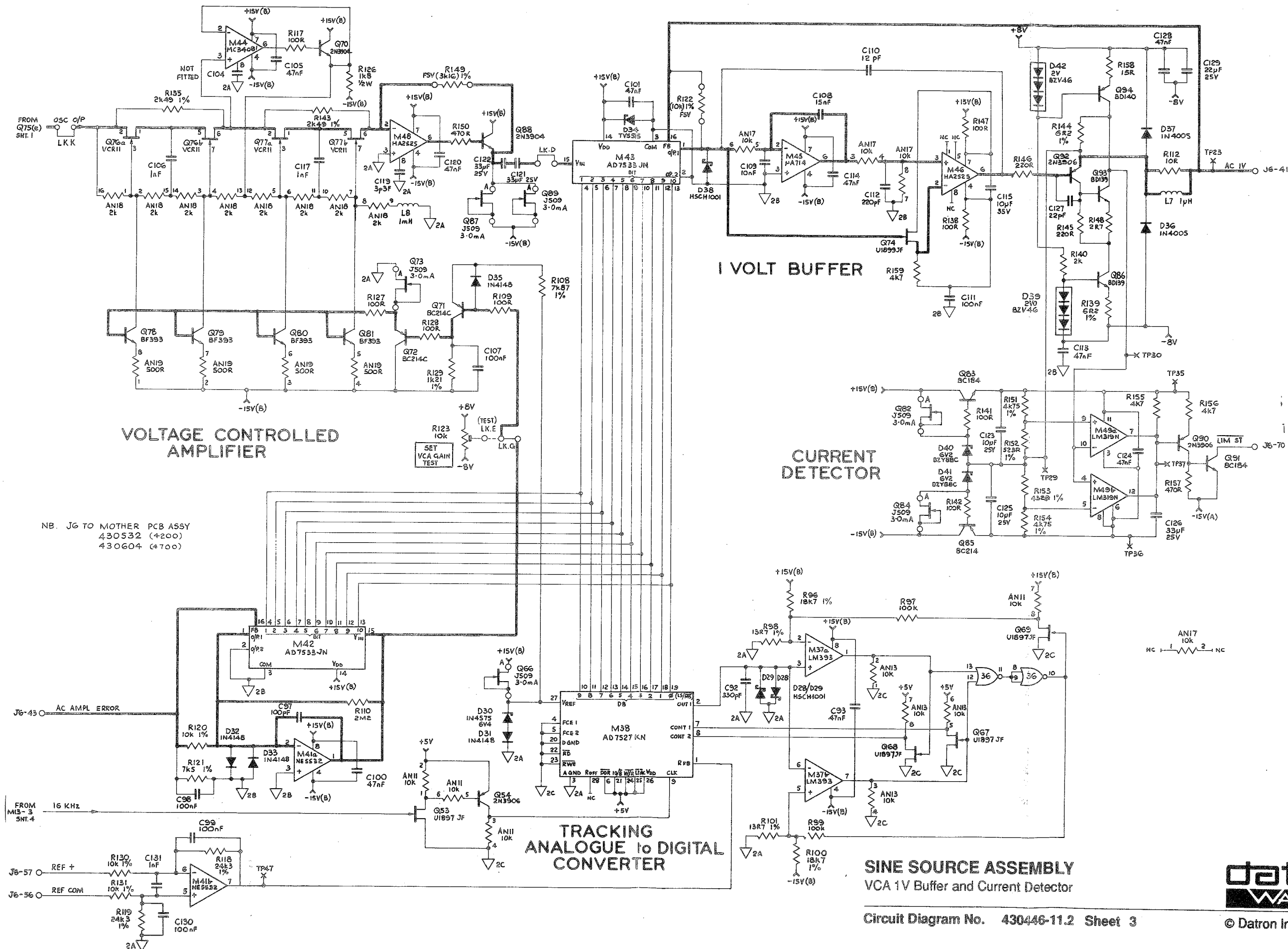
TEST POINT TERMINAL 620007 32 OFF

MOUNTING IC'S			
Nº OF WAYS	PART Nº	Nº OFF	WHERE USED
8	605059	17	M11, M19, M22-25, M30, M31, M32, M33, M37, M41, M44, M46, M47, M48, M12
14	605060	9	M3, M4, M7, M10, M13, M14, M21, M36, M49
16	605061	15	M1, M2, M5, M6, M8, M9, M17, M20, M28, M29, M33, M34, M40, M42, M43
28	605065	1	M38

BRASS STRIP (IN 2 LENGTHS) 58mm x 2.3mm 630107. SOLDER 2 STRIPS TO 'BROAD' GUARD TRACK IN CENTRAL POSITION.

HEATSINK T0220 920089 2OFF SCREW M3 X 8mm POZI-PAN 611016 2OFF M3 SHAKEPROOF 613005 2OFF M3 NUT 615002 2OFF N.B. USE HEATSINK COMPOUND 900003 BETWEEN MATING SURFACE OF Q86 & Q93 AND HEATSINK. MOUNT THESE DEVICES SQUARELY ON HEATSINKS

N.B. GLASS BEAD 630243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS :- C10, C13, C15, C19, C24, C45, C48, C53, C55, C59, C60, C63, C70, C87, C88, C90, C91, C93, C94, C100, C101, C103, C113, C114, C118, C120, C124, C128, D4



VOLTAGE CONTROLLED AMPLIFIER

1 VOLT BUFFER

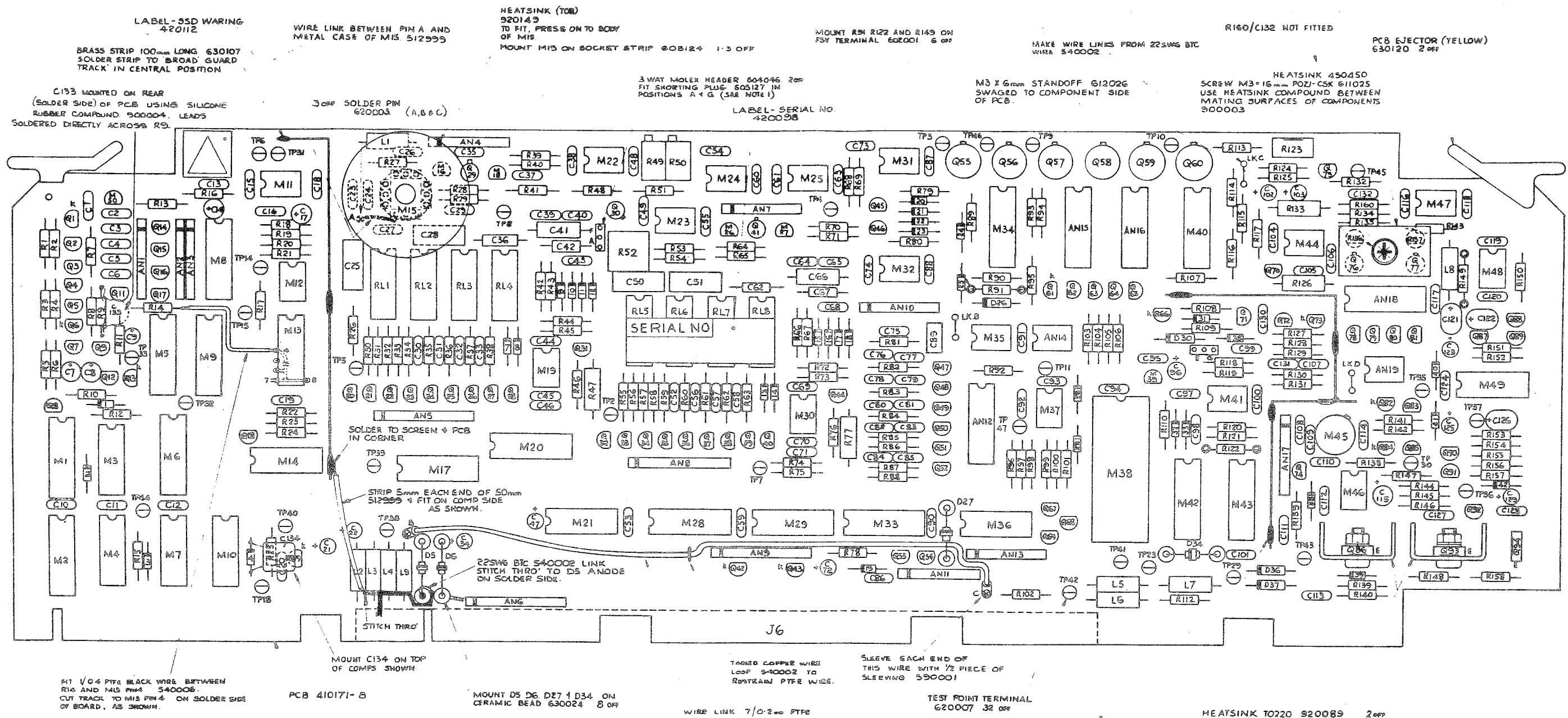
CURRENT DETECTOR

TRACKING ANALOGUE TO DIGITAL CONVERTER

SINE SOURCE ASSEMBLY
VCA 1V Buffer and Current Detector

NB. J6 TO MOTHER PCB ASSY
430532 (+200)
430604 (4700)

NOTE: FIT LINK 'E' AND LINK 'F' IN PLACE OF LINK 'A' AND LINK 'G' FOR TEST.



LABEL-3SD WARING-420112

WIRE LINK BETWEEN PIN A AND METAL CASE OF M15 512999

HEATSINK (TOP) 920143 TO FIT, PRESS ON TO BODY OF M19. MOUNT M15 ON SOCKET STRIP 605124 1-3 OFF

MOUNT R31 R22 AND R149 ON FSV TERMINAL 62001 6 OFF

MAKE WIRE LINKS FROM 22SWG BTC WIRE 540002

R160/C132 NOT FITTED

PCB EJECTOR (YELLOW) 630120 2 OFF

C133 MOUNTED ON REAR (SOLDER SIDE) OF PCB USING SILICONE RUBBER COMPOUND 900004. LEADS SOLDERED DIRECTLY ACROSS R9.

3 OFF SOLDER PIN 620003 (A,B,C)

3 WAY MOLEX HEADER 604046 2 OFF FIT SHORTING PLUG 605127 IN POSITIONS A & G (SEE NOTE 1)

LABEL- SERIAL NO 420098

M3 X 6mm STANDOFF 612026 SWAGED TO COMPONENT SIDE OF PCB.

HEATSINK 450450 SCREW M3 X 6mm POZI-CSK 611025 USE HEATSINK COMPOUND BETWEEN MATING SURFACES OF COMPONENTS 900003

Fit 1/0.6 PTFE BLACK WIRE BETWEEN R16 AND M15 PIN 4 540006. CUT TRACK TO M15 PIN 4 ON SOLDER SIDE OF BOARD, AS SHOWN.

PCB 410171-8

MOUNT D5 D6, D27 1 D34 ON CERAMIC BEAD 630024 8 OFF

WIRE LINK 7/0.2mm PTFE WHITE WIRE 512999.

SLEEVE EACH END OF THIS WIRE WITH 1/2 PIECE OF SLEEVING 590001

TEST POINT TERMINAL 620007 32 OFF

HEATSINK T0220 920089 2 OFF SCREW M3 X 6mm POZI-PAN 611016 2 OFF M3 SHAKEPROOF 613005 2 OFF M3 NUT 615002 2 OFF N.B. USE HEATSINK COMPOUND 900003 BETWEEN MATING SURFACE OF Q86 & Q93 AND HEATSINK. MOUNT THESE DEVICES SQUARELY ON HEATSINKS

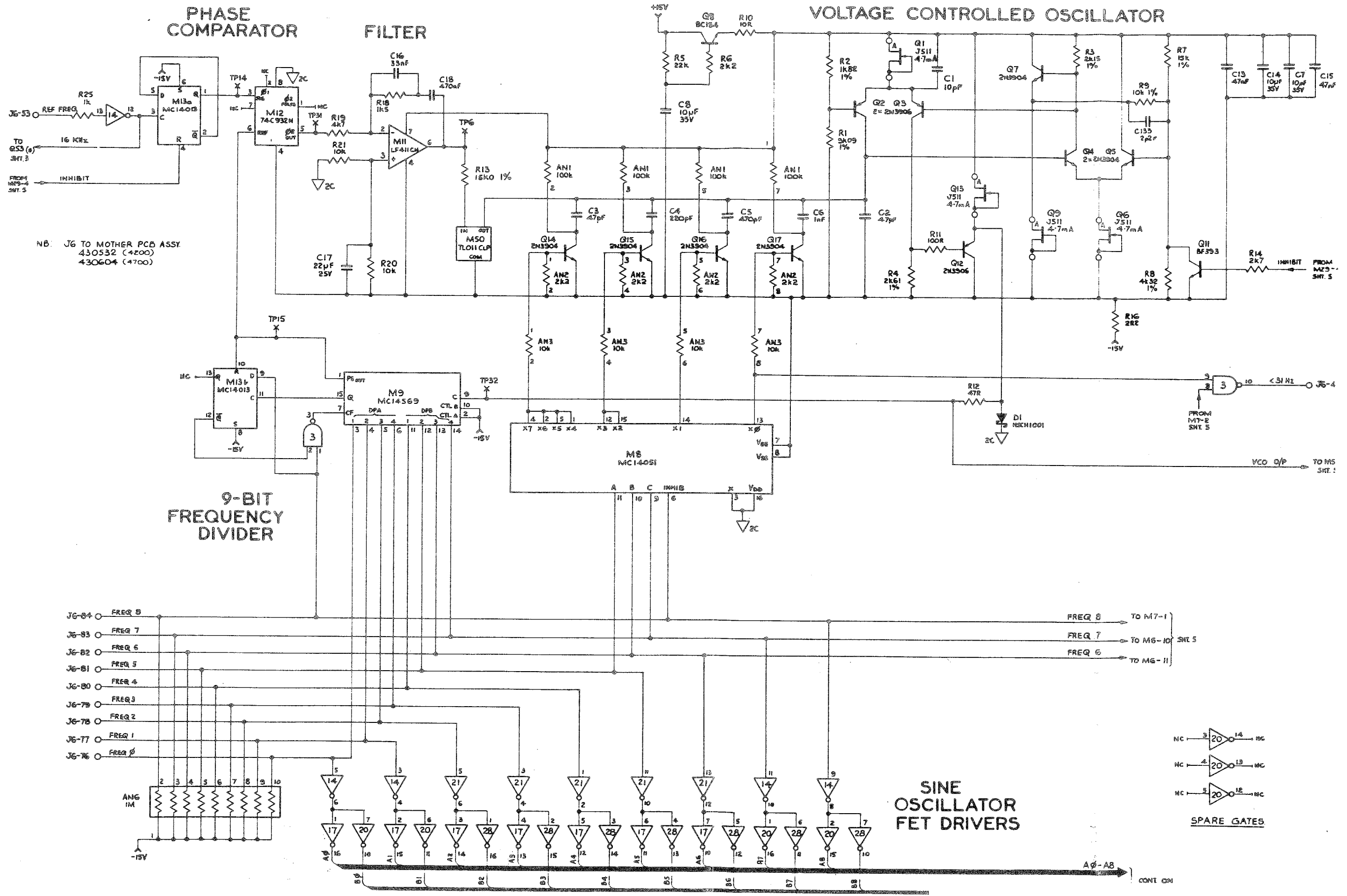
BRASS STRIP (IN 2 LENGTHS) 58mm X 73mm 630107. SOLDER 2 STRIPS TO 'BROAD GUARD TRACK' IN CENTRAL POSITION.

N.B. GLASS BEAD 630243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS: C10-C13, C15, C19, C24, C45, C48, C53, C55, C60, C69, C70, C87, C88, C90, C91, C93, C94, C100, C101, C105, C113, C114, C118, C120, C124, C128, D4

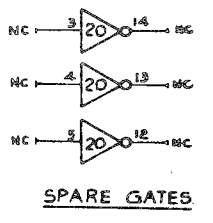
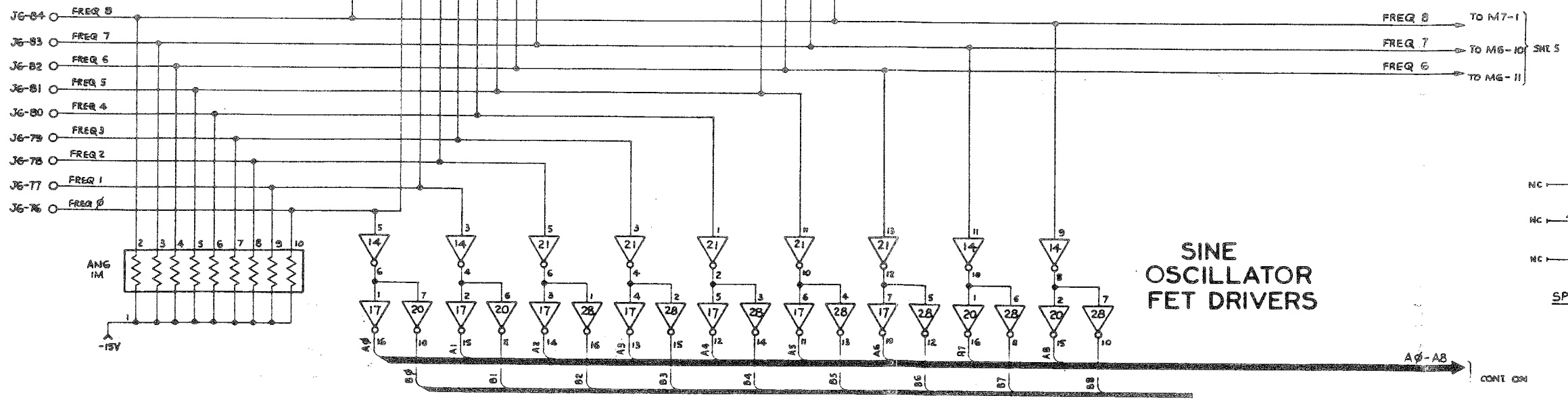
MOUNTING IC'S			
NO OF WAYS	PART NO	NO OFF	WHERE USED
8	605059	17	M11, M19, M22-23, M30, M31, M32, M35, M37, M41, M44, M46, M47, M48, M12
14	605060	9	M3, M4, M7, M10, M13, M14, M21, M36, M43
16	605061	15	M1, M2, M5, M6, M8, M9, M17, M20, M28, M29, M33, M34, M40, M42, M43
28	605065	1	M38



SINE SOURCE ASSEMBLY



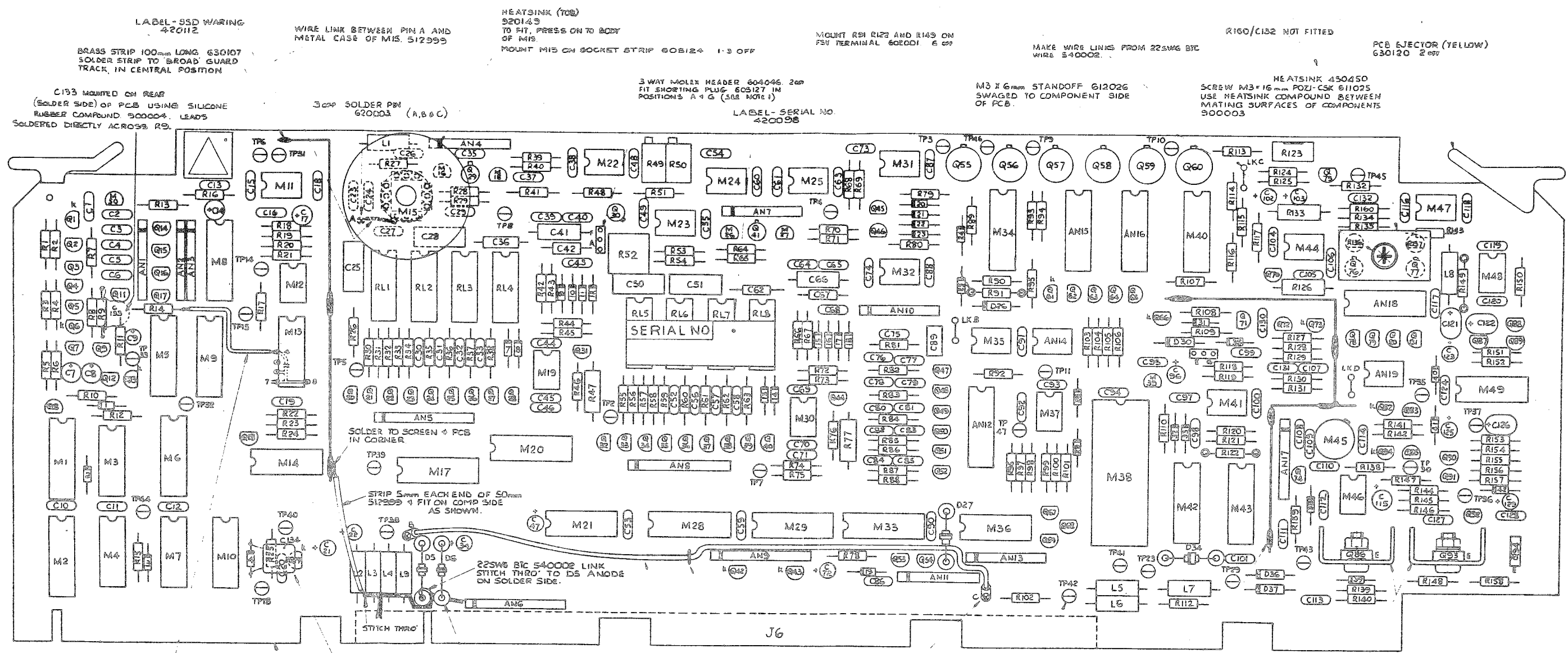
NB: J6 TO MOTHER PCB ASSY
430532 (4200)
430604 (4700)



SINE SOURCE ASSEMBLY
Digital Synthesizer - VCO



NOTE: FIT LINK 'E' AND LINK 'F' IN PLACE OF LINK 'A' AND LINK 'G' FOR TEST



LABEL-SSD WARING 420112

WIRE LINK BETWEEN PIN A AND METAL CASE OF M15. 512999

HEATSINK (TOP) 920143 TO FIT, PRESS ON TO BODY OF M15. MOUNT M15 ON SOCKET STRIP 60B124 1-3 OFF

MOUNT R91 R122 AND R149 ON FSU TERMINAL 60E001 6 OFF

R160/C132 NOT FITTED

PCB EJECTOR (YELLOW) 630120 2 OFF

BRASS STRIP 100mm LONG, 630107 SOLDER STRIP TO 'BROAD' GUARD TRACK IN CENTRAL POSITION

3 WAY MOLLY HEADER 604046 2OFF FIT SHORTING PLUG 60S127 IN POSITIONS A & G (SEE NOTE 1)

M3 X 6mm STANDOFF 612026 SWAGED TO COMPONENT SIDE OF PCB.

HEATSINK 450450 SCREW M3 X 16mm POZI-CSK 611025 USE HEATSINK COMPOUND BETWEEN MATING SURFACES OF COMPONENTS 900003

C193 MOUNTED ON REAR (SOLDER SIDE) OF PCB USING SILICONE RUBBER COMPOUND 900004. LEADS SOLDERED DIRECTLY ACROSS R9.

3 COMP SOLDER PIN 620003 (A,B,C)

LABEL-SERIAL NO 420098

SOLDER TO SCREEN PCB IN CORNER

STRIP 5mm EACH END OF 50mm 512999 & FIT ON COMP SIDE AS SHOWN.

22SWG BIC 540002 LINK SWITCH THRU TO D5 ANODE ON SOLDER SIDE.

HIT 1/04 PTFE BLACK WIRE BETWEEN R14 AND M15 PIN4 540006. CUT TRACK TO M15 PIN4 ON SOLDER SIDE OF BOARD, AS SHOWN.

PCB 410171-8

MOUNT D5 D6 D27 1 D34 ON CERAMIC BEAD 630024 8 OFF

TRAISED COPPER WIRE LOOP 540002 TO ROYSTRAM PTFE WIRE.

SLEEVE EACH END OF THIS WIRE WITH 1/2 PIECE OF SLEEVING 530001

WIRE LINK 7/0-2mm PTFE WHITE WIRE 512999.

TEST POINT TERMINAL 620007 32 OFF

HEATSINK 10220 920089 2OFF SCREW M3 X 8mm POZI-PAN 611016 2OFF M3 SHAKEPROOF 613005 2OFF M3 NUT 615002 2OFF N.B. USE HEATSINK COMPOUND 900003 BETWEEN MATING SURFACE OF Q86 & Q93 AND HEATSINK. MOUNT THESE DEVICES SQUARELY ON HEATSINKS

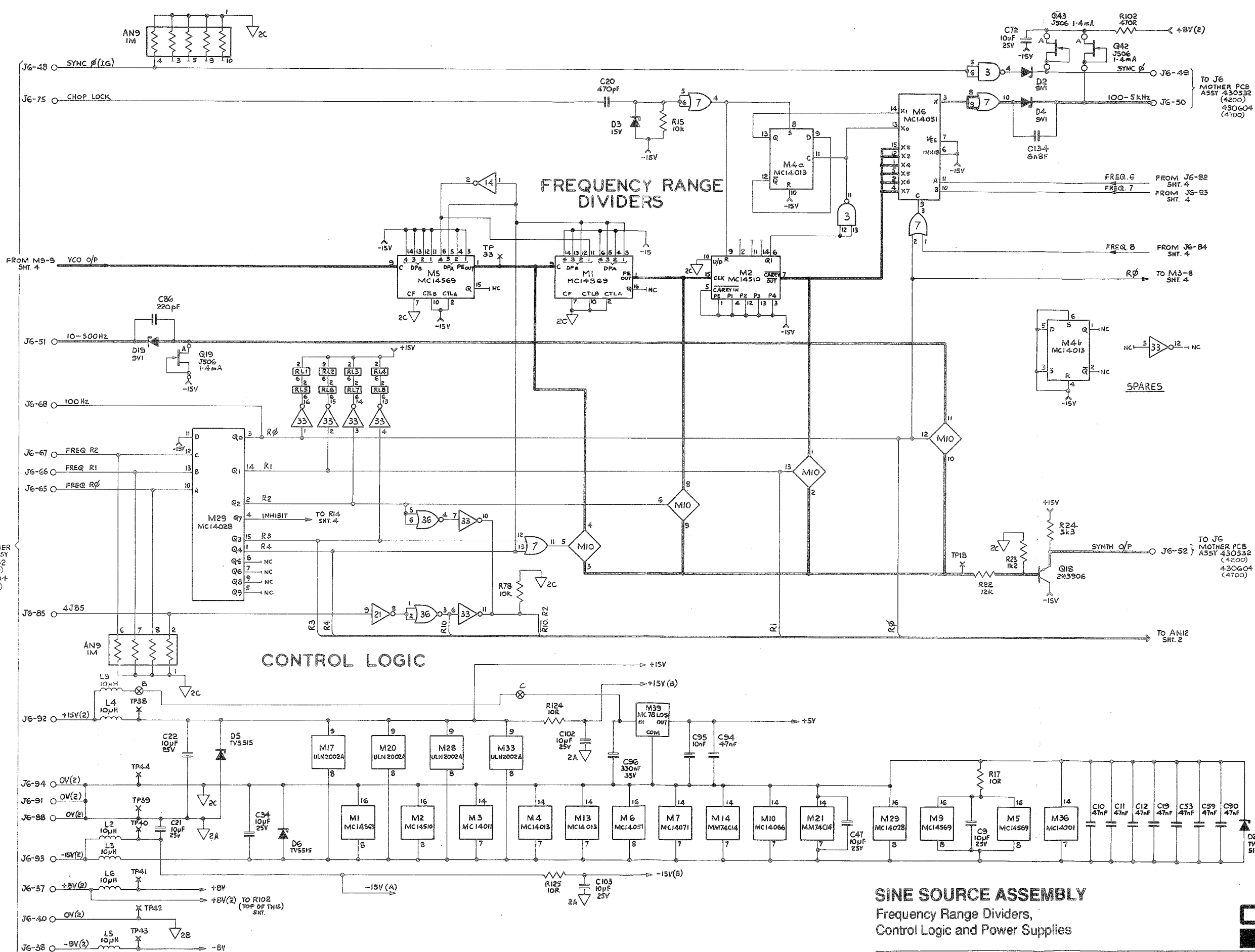
BRASS STRIP (IN 2 LENGTHS) 58mm X 73mm 630107. SOLDER 2 STRIPS TO 'BROAD' GUARD TRACK IN CENTRAL POSITION.

N.B. GLASS BEAD 630243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS :- C10-C13, C15, C19, C24, C25, C48, C53, C55, C59, C60, C63, C70, C87, C88, C90, C91, C93, C94, C100, C101, C105, C113, C114, C118, C120, C124, C128, D4

MOUNTING IC'S			
NO OF WAYS	PART NO	NO OFF	WHERE USED
8	605059	17	M11, M19, M22-25, M30, M31, M32, M35, M37, M41, M44, M46, M47, M48, M12
14	605060	9	M3, M4, M7, M10, M13, M14, M21, M36, M49
16	605061	15	M1, M2, M5, M6, M8, M9, M17, M20, M28, M29, M33, M34, M40, M42, M43
28	605063	1	M38

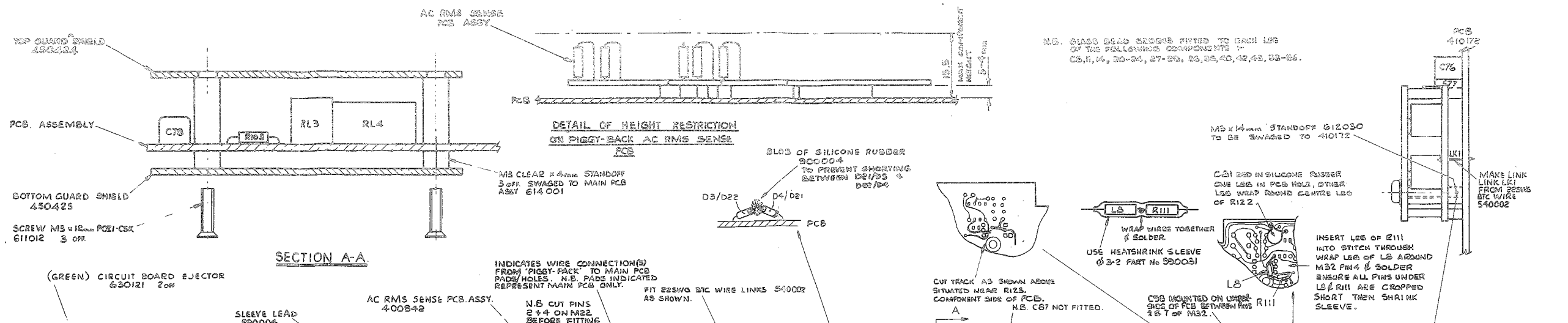


SINE SOURCE ASSEMBLY

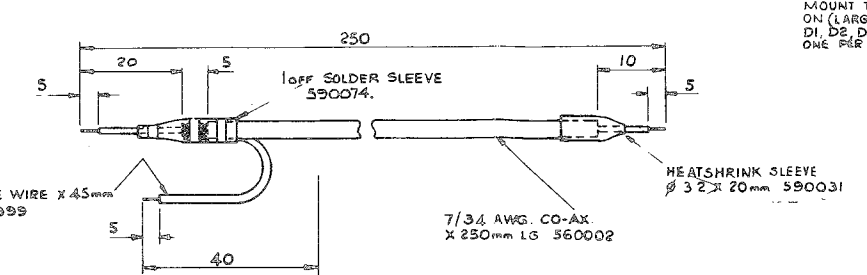
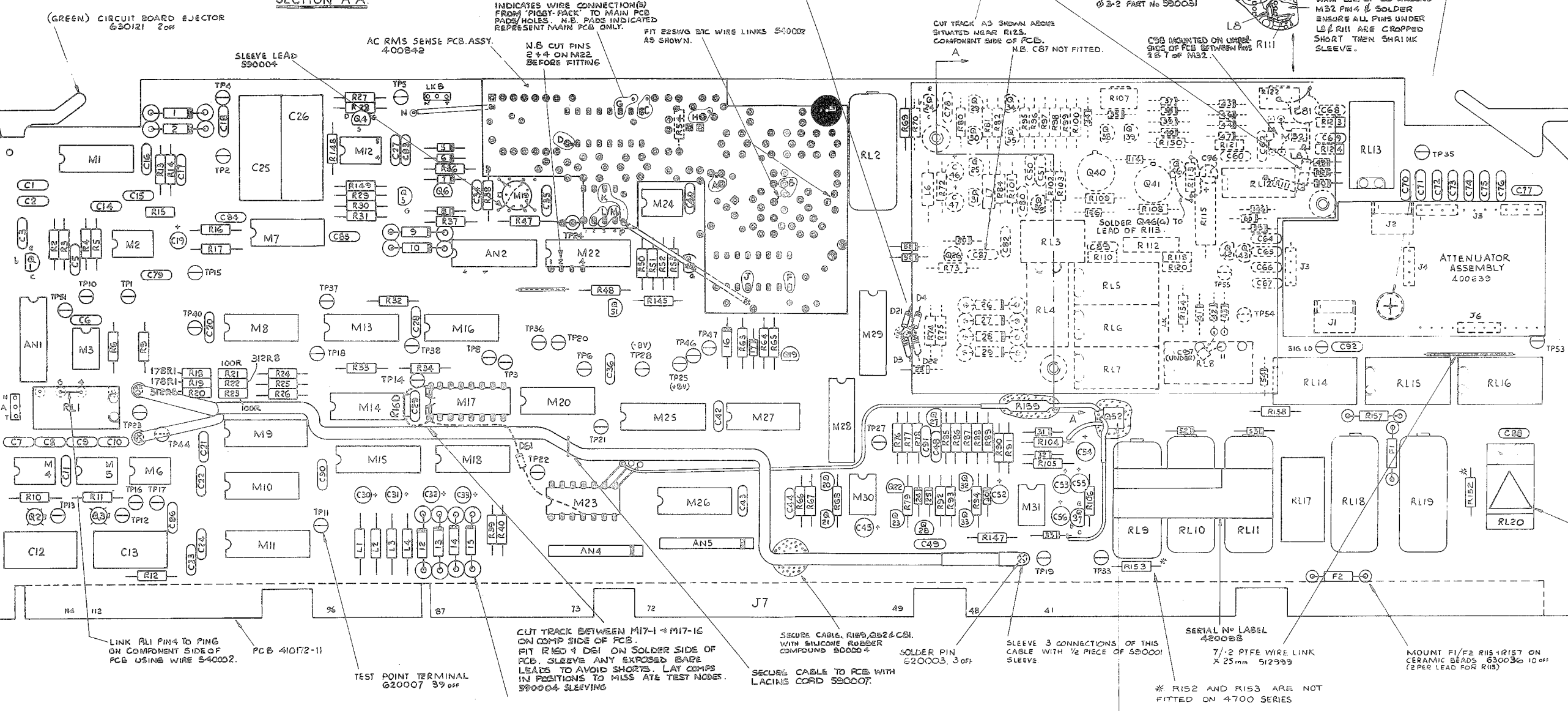


SINE SOURCE ASSEMBLY
 Frequency Range Dividers,
 Control Logic and Power Supplies





N.B. GLASS BEAD SLEEVES FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS :-
C6, R1, R4, R6-R8, R7-R9, R6, R5, R3, R2, R1, R2-R5.

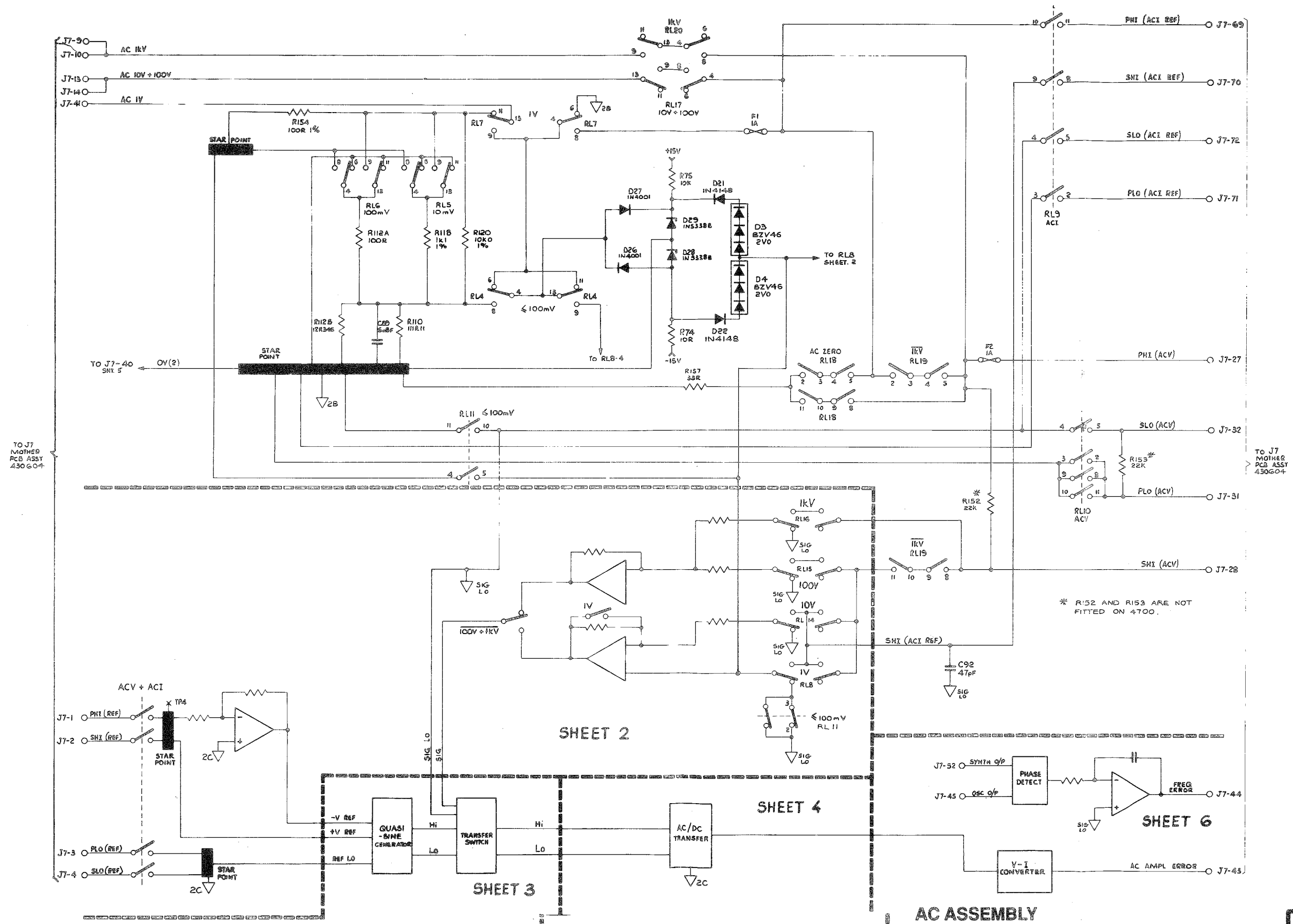


MOUNT THE FOLLOWING COMPONENTS ON (LARGE) CERAMIC BEADS 630024 24 OFF :-
D1, D2, D3, D10, D12-D15, D26-D29.
ONE PER LEAD.

R159 ONE END CONNECTED TO SWITCH THROUGH AS SHOWN VIA BLACK 7/02 WIRE 512000 OTHER END TO Q52 SLEEVE WITH 30mm OF HEATSHRINK 590006 & BED IN SILICONE RUBBER.
Q52 BED IN SILICONE RUBBER WITH FLAT TO PCB. CENTRE LEG CONNECT TO D33 VIA BLACK 7/02 WIRE 510000 USE 20mm OF HEATSHRINK SLEEVE 590006 AT LEG JOINT. BOTTOM LEG CONNECT TO R104 SLEEVE LEG WITH 1mm DIAMETER PTFE SLEEVE 590004.



AC ASSEMBLY



TO J7 MOTHER PCB ASSY 430604

TO J7 MOTHER PCB ASSY 430604

* R152 AND R153 ARE NOT FITTED ON 4700.

AC ASSEMBLY
Switching Overview

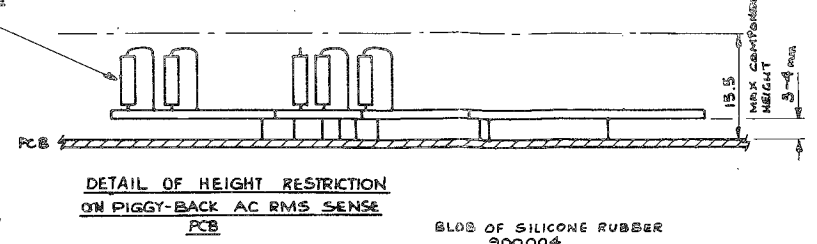
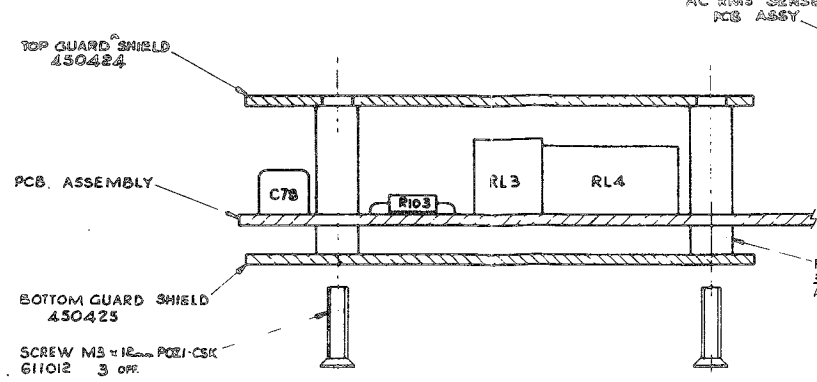
Circuit Diagram No. DC400844-1.1

Sheet 1



© Datron Instruments 1991

11.7-1



N.B. GLASS BEAD 620035 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS :-
C6, 11, 14, 20-24, 27-29, 35, 36, 40, 42, 43, 53-56.

M3 x 1.6mm STANDOFF 612030 TO BE SWAGED TO 410172

C51 BED IN SILICONE RUBBER ONE LEG IN PCB HOLES, OTHER LEGS WRAP ROUND CENTRE LEG OF R122.

MAKE LINK LK1 FROM 22SWG BITC WIRE 540002

(GREEN) CIRCUIT BOARD EJECTOR 630121 2 off

SECTION A-A

INDICATES WIRE CONNECTION(S) FROM 'PIGGY-PACK' TO MAIN PCB PADS/HOLES. N.B. PADS INDICATED REPRESENT MAIN PCB ONLY.

N.B. CUT PINS 2+4 ON M22 BEFORE FITTING

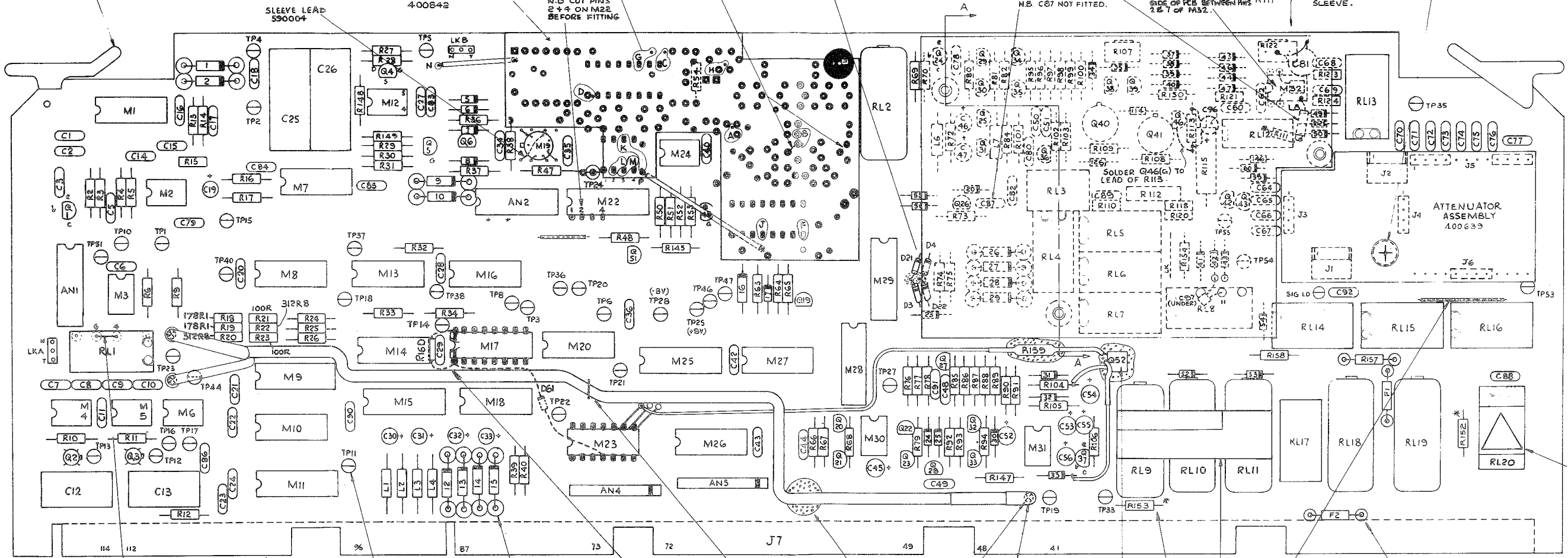
FIT 22SWG BITC WIRE LINKS 540002 AS SHOWN.

CUT TRACK AS SHOWN ABOVE SITUATED NEAR R125. COMPONENT SIDE OF PCB. N.B. C67 NOT FITTED.

WRAP WIRES TOGETHER & SOLDER. USE HEATSHRINK SLEEVE Ø 3.2 PART No 590031

INSERT LEG OF R111 INTO SLIT THROUGH WRAP LEG OF L8 AROUND M32 PIN 4 & SOLDER. ENSURE ALL PINS UNDER L8 & R111 ARE CROPPED SHORT THEN SHRINK SLEEVE.

C56 MOUNTED ON UNDER SIDE OF PCB BETWEEN PINS 2 & 7 OF M32.



LINK RL1 PIN 4 TO PIN ON COMPONENT SIDE OF PCB USING WIRE 540002.

TEST POINT TERMINAL 620007 39 off

CUT TRACK BETWEEN M17-1 & M17-1G ON COMP SIDE OF PCB. FIT R160 & D61 ON SOLDER SIDE OF PCB. SLEEVE ANY EXPOSED BARE LEADS TO AVOID SHORTS. LAY COMPS IN POSITIONS TO MISS ATE TEST NODES. 590004 SLEEVING

SECURE CABLE, R155, Q52 & C51 WITH SILICONE RUBBER COMPOUND 900004

SOLDER PIN 620003, 3 off

SLEEVE 3 CONNECTIONS OF THIS CABLE WITH 1/2 PIECE OF 590001 SLEEVE

SERIAL NO LABEL 420008

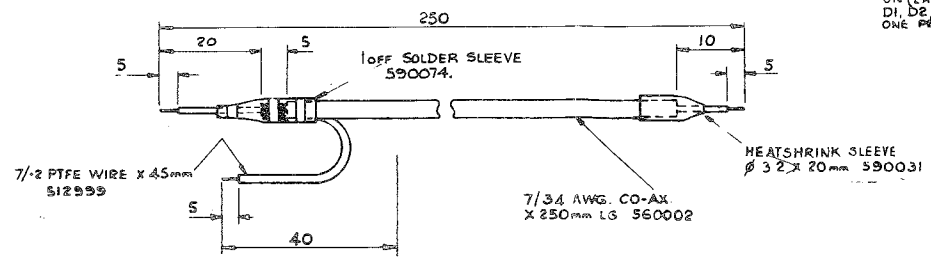
7/2 PTFE WIRE LINK x 25mm 512955

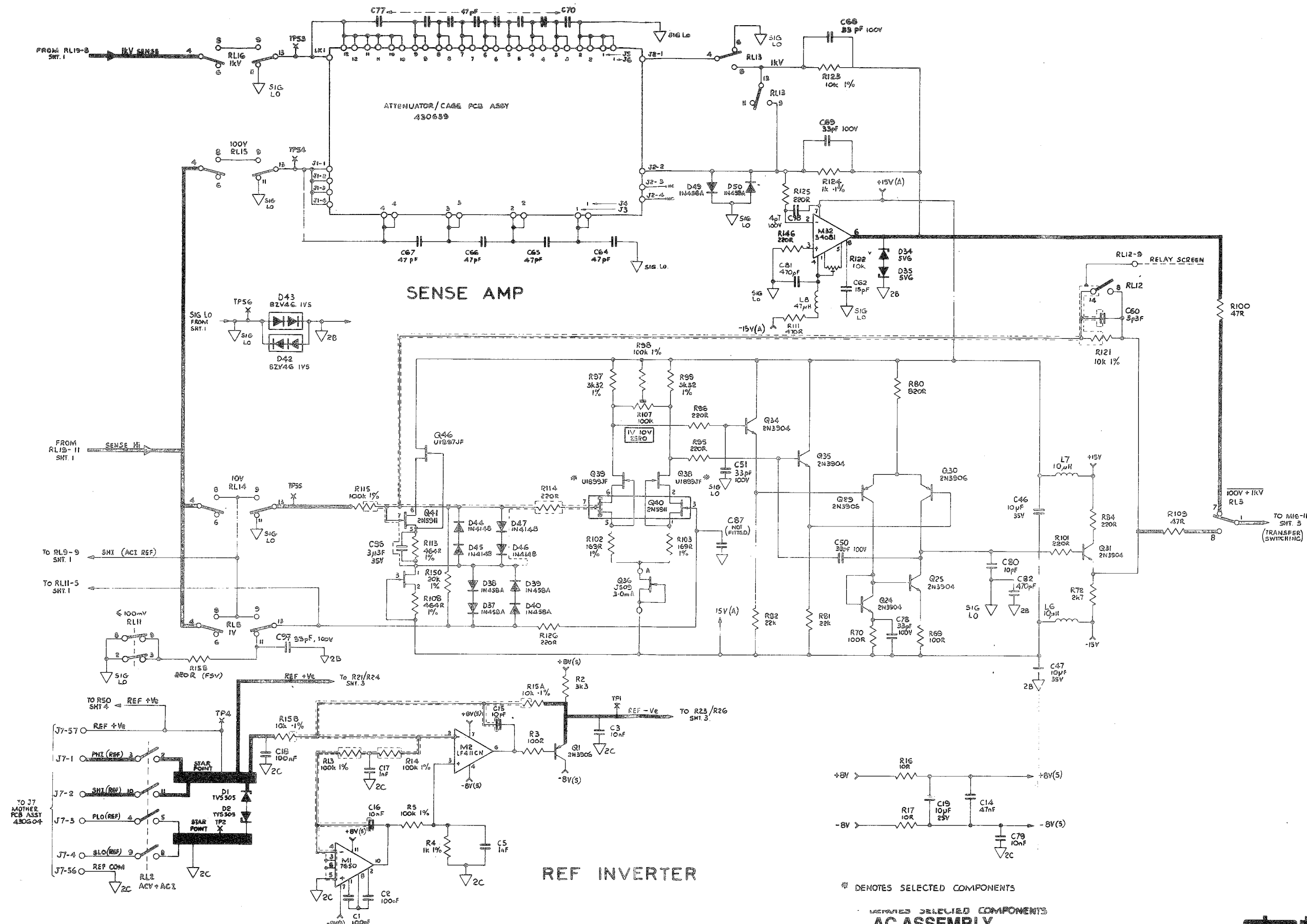
MOUNT F1/F2 R115-1157 ON CERAMIC BEADS 630036 10 off (2 PER LEAD FOR R115)

* R152 AND R153 ARE NOT FITTED ON 4700 SERIES

MOUNT THE FOLLOWING COMPONENTS ON (LARGE) CERAMIC BEADS 630024 24 off :-
D1, D2, D9, D10, D12-D15, D26-D29. ONE PER LEAD.

R155, one end connected to SLIT THROUGH AS SHOWN via BLACK 7/02 WIRE 512000 OTHER END TO Q52. SLEEVE WITH 30mm OF HEATSHRINK 590006 & BED IN SILICONE RUBBER. Q52, BED IN SILICONE RUBBER WITH FLAT TO PCB. CENTRE LEG CONNECT TO D33 via BLACK 7/02 WIRE 510000 USE 20mm OF HEATSHRINK SLEEVE 590006 AT LEG JOINT. BOTTOM LEG CONNECT TO R104 SLEEVE LEG WITH 1mm DIAMETER PTFE SLEEVE 590004.

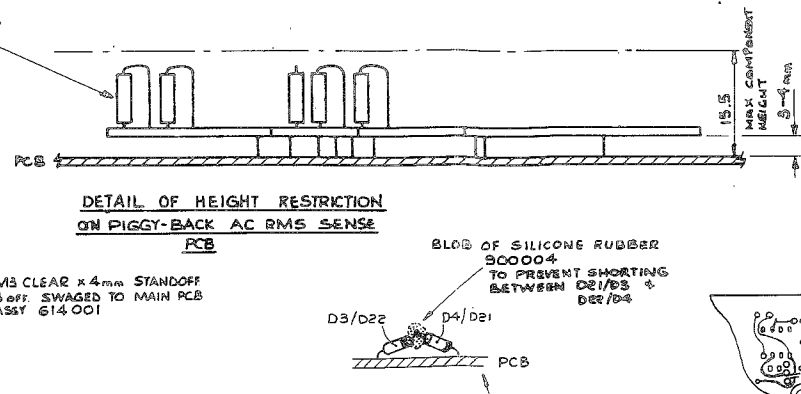
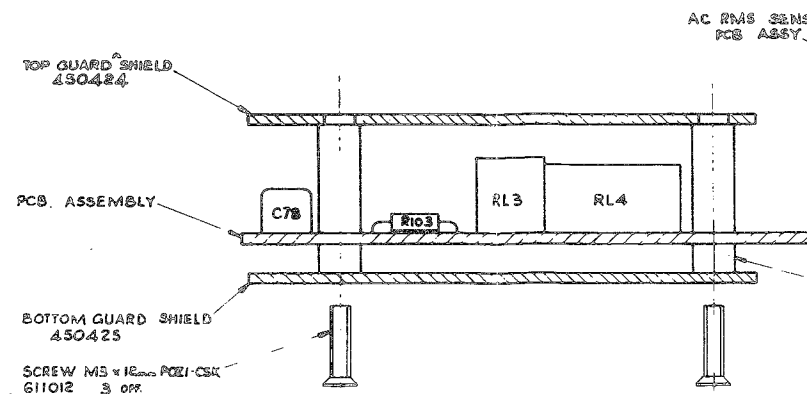




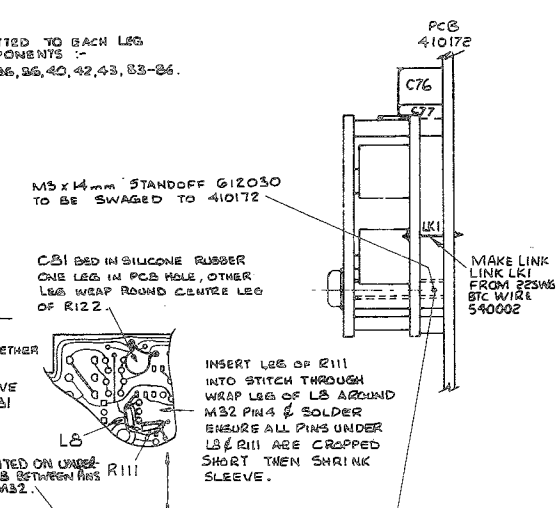
* DENOTES SELECTED COMPONENTS

MENTIONS SELECTED COMPONENTS
AC ASSEMBLY
 Sense Amplifier and Reference Inverter

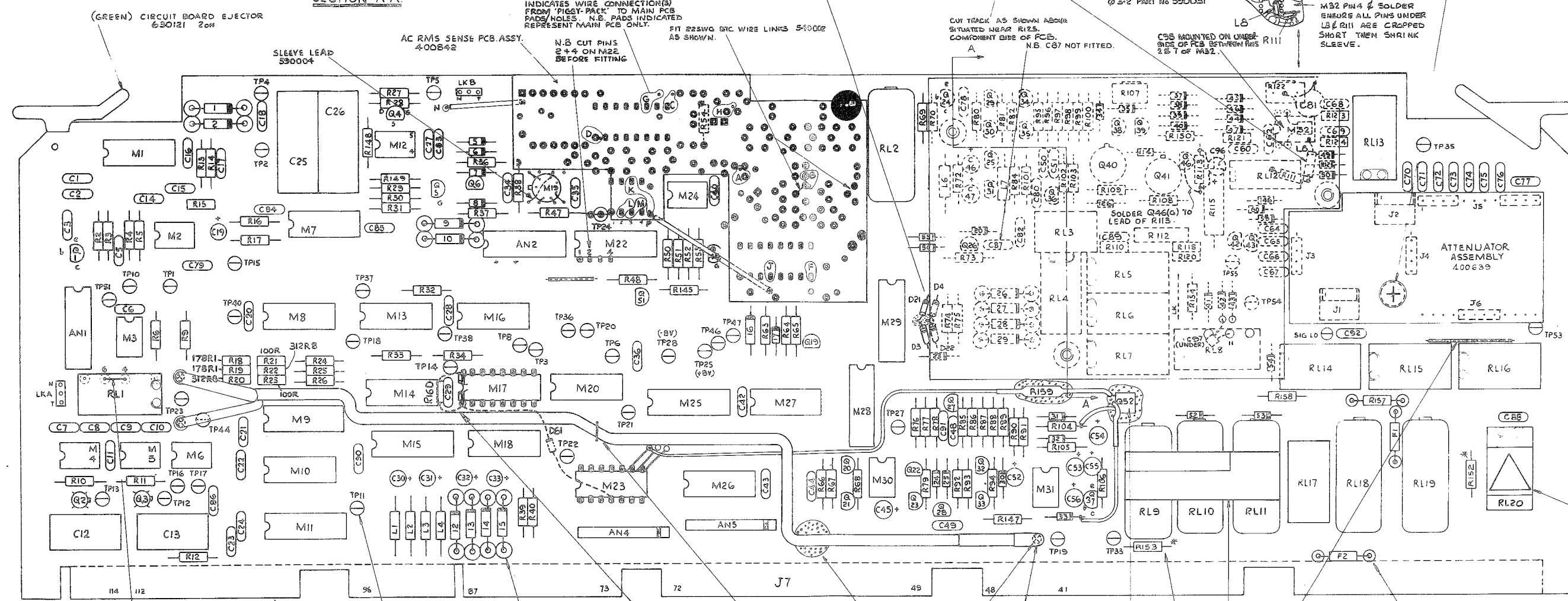




N.B. GLASS BEAD 630243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS :-
C6, 11, 14, 20-24, 27-29, 36, 36, 40, 42, 43, 53-56.



SECTION A-A



LINK RL1 PIN 4 TO PIN 6 ON COMPONENT SIDE OF PCB USING WIRE 540002.

TEST POINT TERMINAL 620007 39 off

CUT TRACK BETWEEN M17-1 & M17-1G ON COMP SIDE OF PCB. FIT R16D & D21 ON SOLDER SIDE OF PCB. SLEEVE ANY EXPOSED BARE LEADS TO AVOID SHORTS. LAY COMPS IN POSITIONS TO MISS ATE TEST NODES. 590004 SLEEVING

SECURE CABLE, R159, Q52 & C51 WITH SILICONE RUBBER COMPOUND 900004

SOLDER PIN 620003 3 off

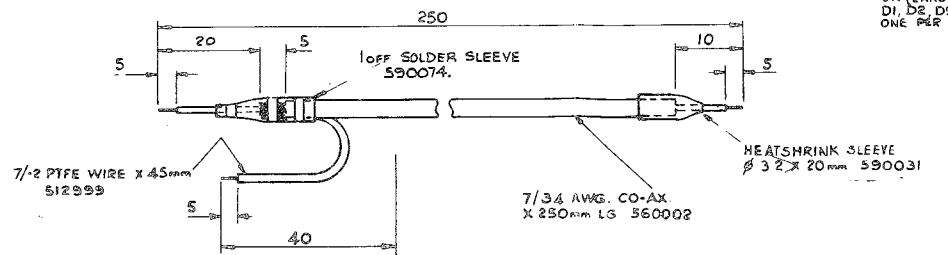
SLEEVE 3 CONNECTIONS OF THIS CABLE WITH 1/2 PIECE OF 590001 SLEEVE

SERIAL NO LABEL 420098

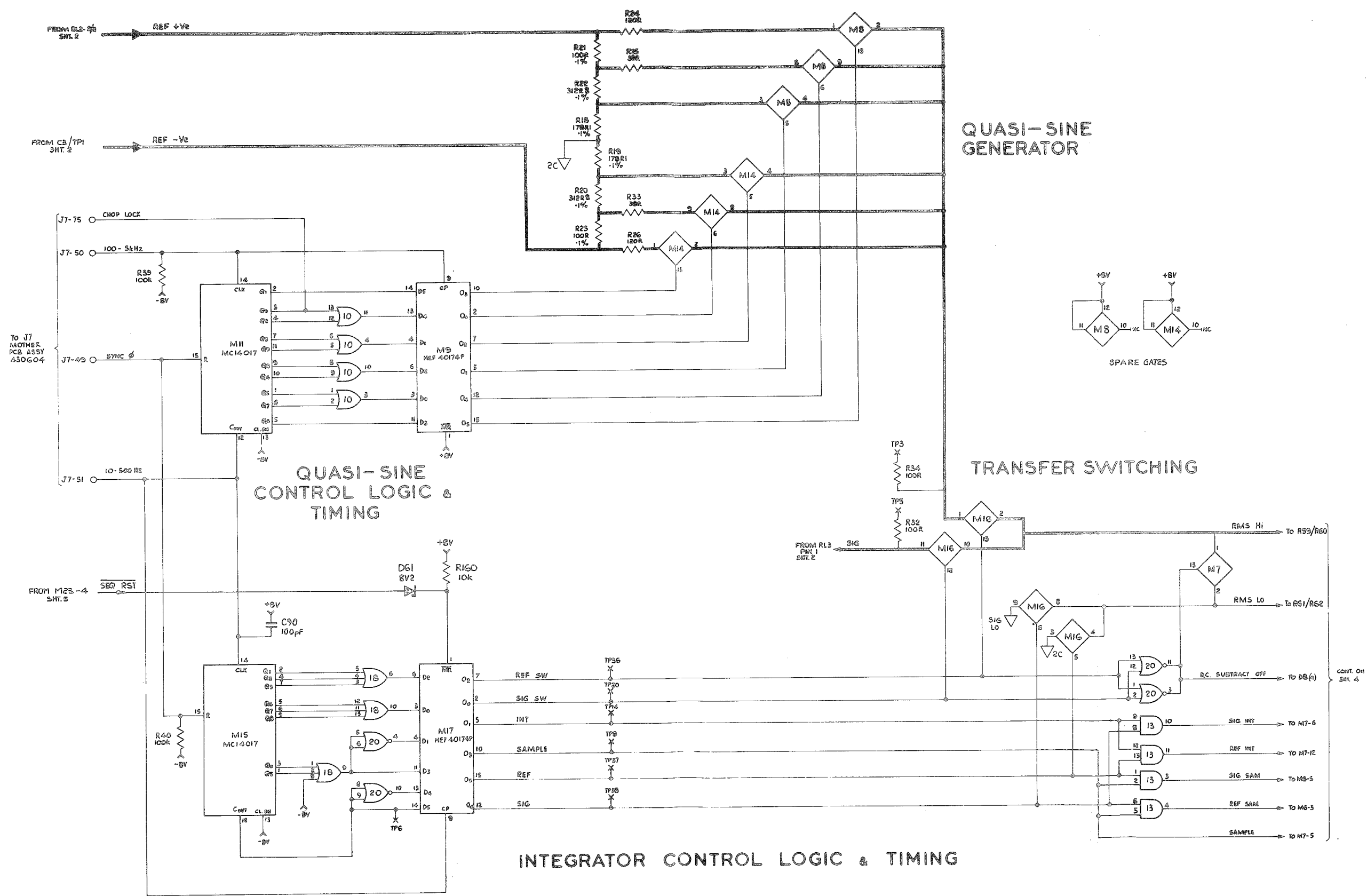
MOUNT F1/F2 R115-R117 ON CERAMIC BEADS 630036 10 off (2 PER LEAD FOR R115)

* R152 AND R153 ARE NOT FITTED ON 4700 SERIES

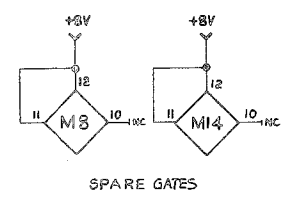
R159 ONE END CONNECTED TO STITCH THROUGH AS SHOWN VIA BLACK 7/0-2 WIRE 512000 OTHER END TO Q52, SLEEVE WITH 30mm OF HEATSHRINK 590006 & BED IN SILICONE RUBBER. Q52 BED IN SILICONE RUBBER WITH FLAT TO PCB. CENTRE LEG CONNECT TO D33 VIA BLACK 7/0-2 WIRE 510000 USE 20mm OF HEATSHRINK SLEEVE 590006 AT LEG JOINT. BOTTOM LEG CONNECT TO R104 SLEEVE LEG WITH 1mm DIAMETER PTFE SLEEVE 590004.



AC ASSEMBLY



QUASI-SINE GENERATOR



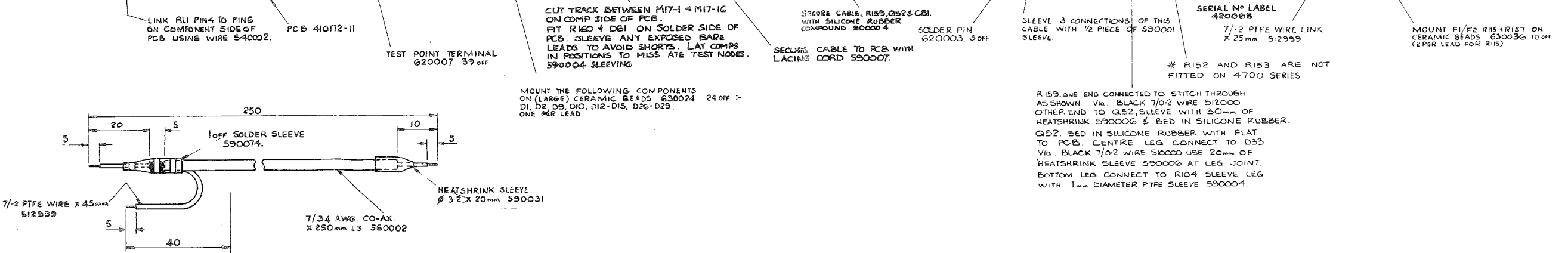
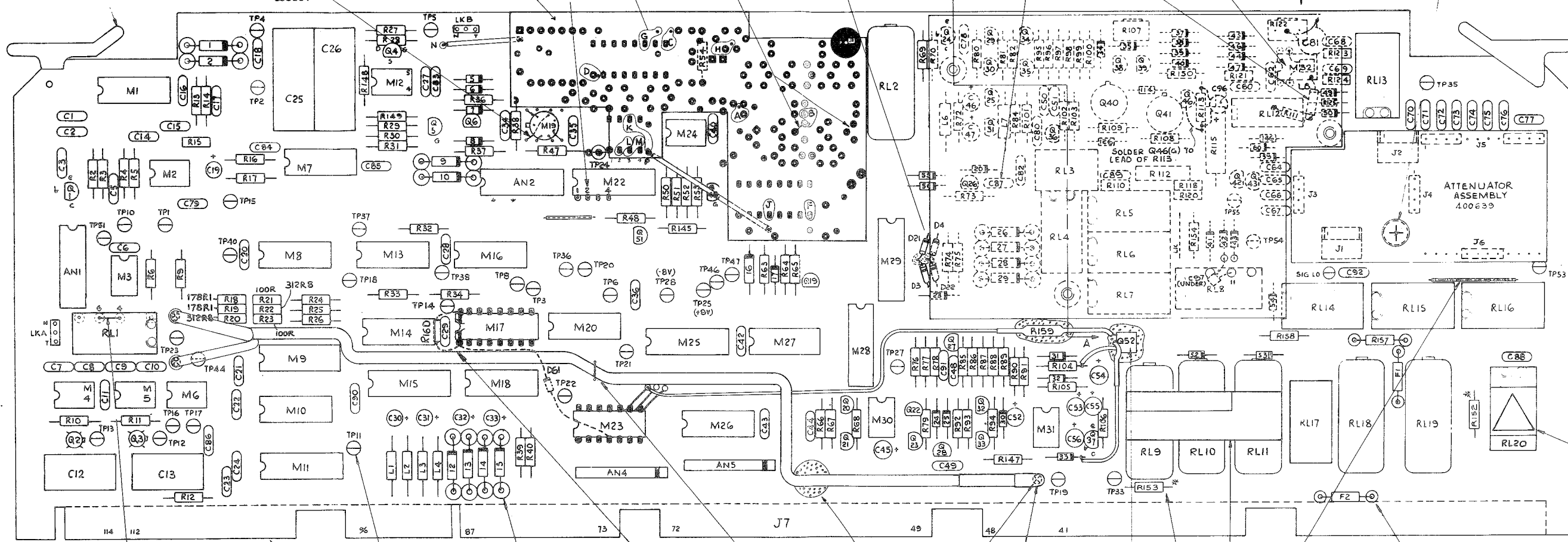
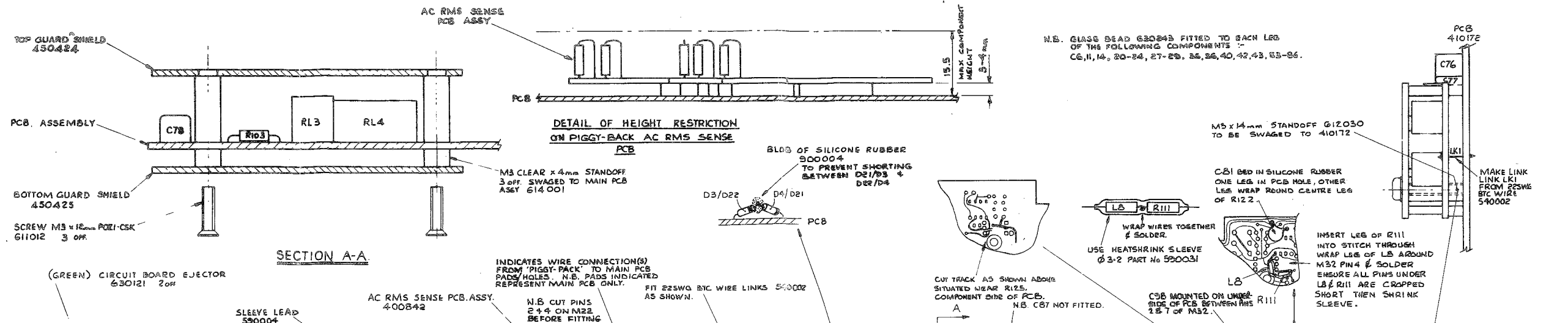
QUASI-SINE CONTROL LOGIC & TIMING

TRANSFER SWITCHING

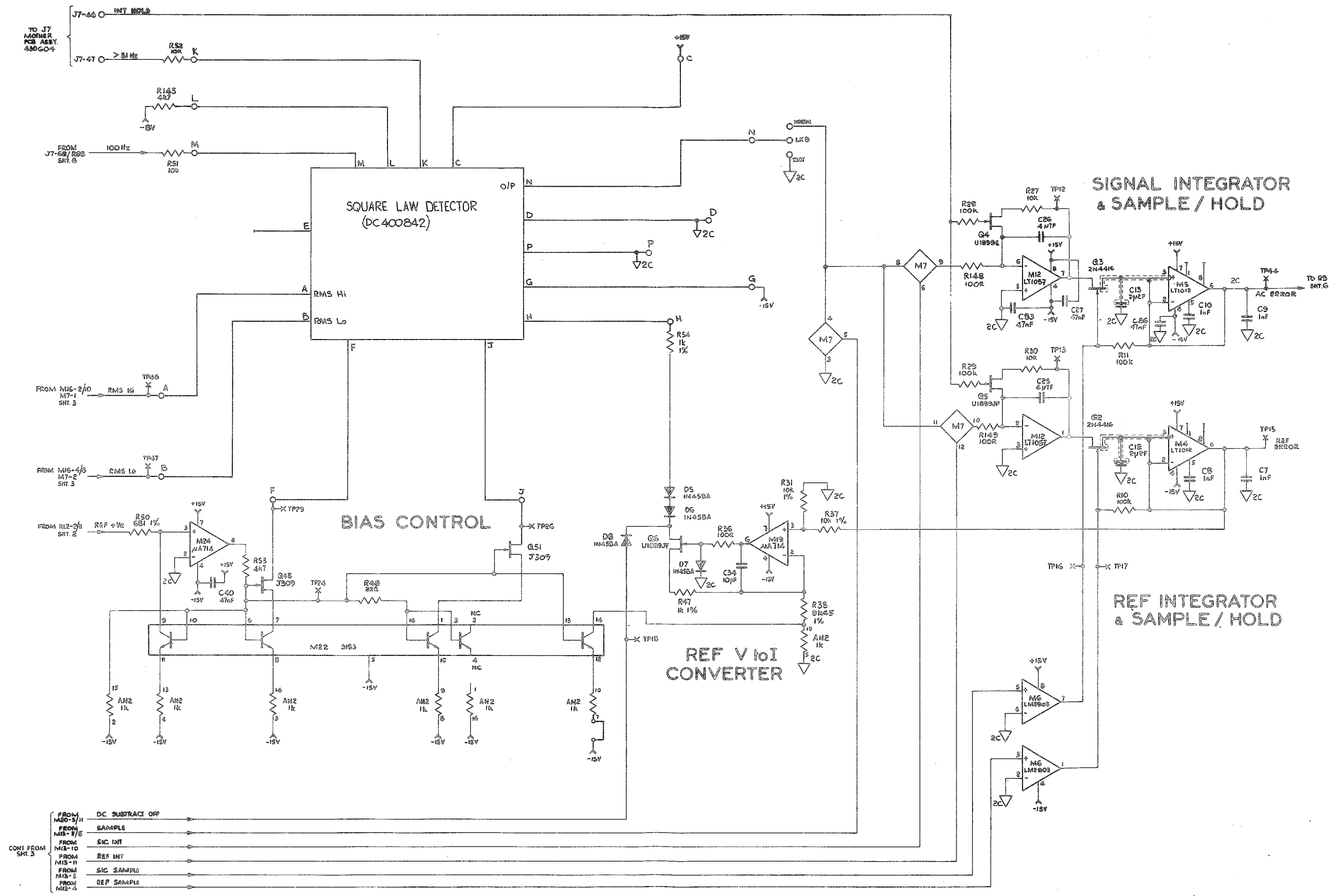
INTEGRATOR CONTROL LOGIC & TIMING

AC ASSEMBLY
Quasi-Sine Generator and Timing Logic



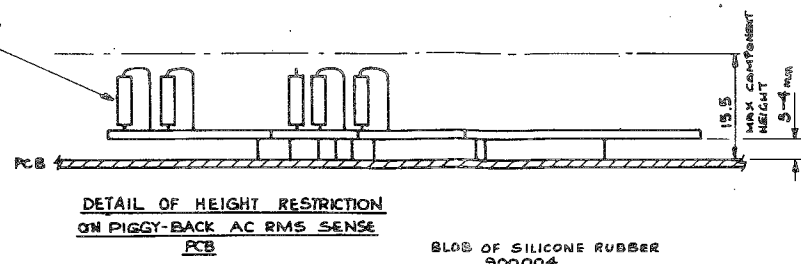
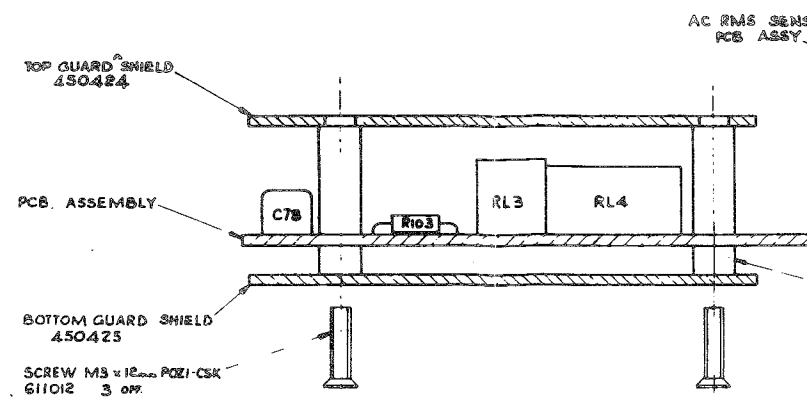


AC ASSEMBLY

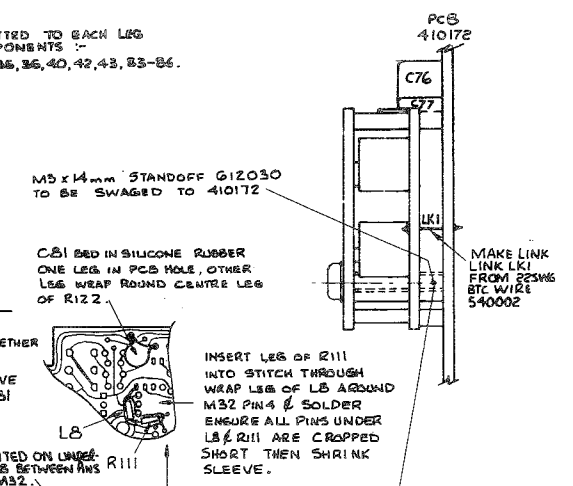


AC ASSEMBLY
AC/DC Transfer Detector and Integrators



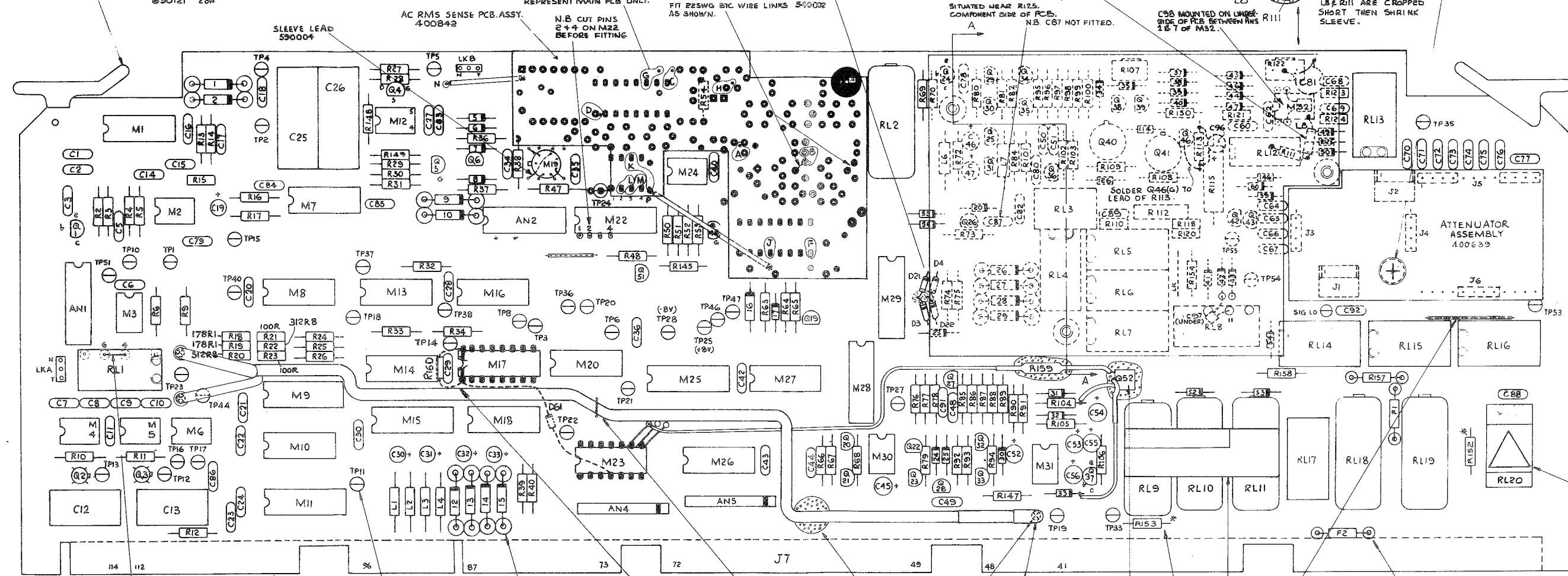


N.B. GLASS BEAD 630024 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS :-
C6, 11, 14, 20-24, 27-29, 35, 36, 40, 42, 43, 83-86.



(GREEN) CIRCUIT BOARD EJECTOR 630121 2 off

SECTION A-A



LINK RL1 PIN4 TO PIN ON COMPONENT SIDE OF PCB USING WIRE 540002.

TEST POINT TERMINAL 620007 39 off

CUT TRACK BETWEEN M17-1 & M17-16 ON COMP SIDE OF PCB. FIT R16D & D61 ON SOLDER SIDE OF PCB. SLEEVE ANY EXPOSED BARE LEADS TO AVOID SHORTS. LAT COMPS IN POSITIONS TO MISS ATE TEST NODES. 590004 SLEEVING

SECURE CABLE TO PCB WITH LACING CORD 590007

SLEEVE 3 CONNECTIONS OF THIS CABLE WITH 1/2 PIECE OF 590001 SLEEVE

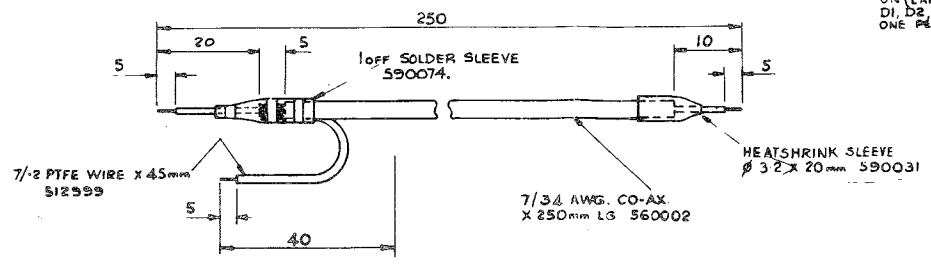
SERIAL NO LABEL 420008

MOUNT F1/F2 R151/R157 ON CERAMIC BEADS 630036 10 off (2 PER LEAD FOR R15)

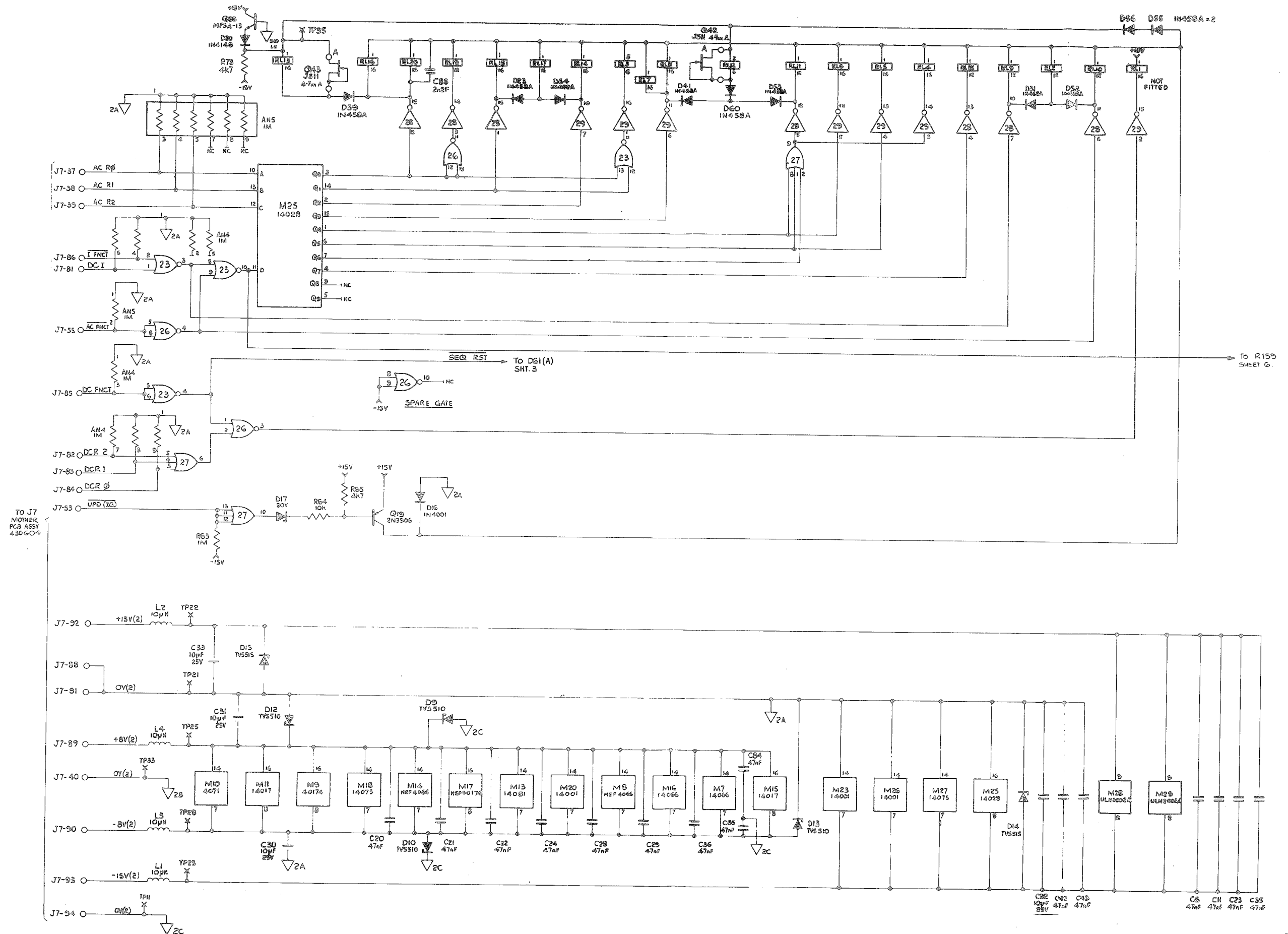
* R152 AND R153 ARE NOT FITTED ON 4700 SERIES

MOUNT THE FOLLOWING COMPONENTS ON (LARGE) CERAMIC BEADS 630024 24 off :-
D1, D2, D9, D10, D12-D15, D16-D19. ONE PER LEAD.

R159 ONE END CONNECTED TO STITCH THROUGH AS SHOWN VIA BLACK 7/0-2 WIRE 512000 OTHER END TO Q52 SLEEVE WITH 3.0mm OF HEATSHRINK 590006 & BED IN SILICONE RUBBER. Q52 BED IN SILICONE RUBBER WITH FLAT TO PCB. CENTRE LEG CONNECT TO D33 VIA BLACK 7/0-2 WIRE 510000 USE 20mm OF HEATSHRINK SLEEVE 590006 AT LEG JOINT. BOTTOM LEG CONNECT TO R104 SLEEVE LEG WITH 1mm DIAMETER PTFE SLEEVE 590004.



AC ASSEMBLY



AC ASSEMBLY
Relay Drive Logic and Power Supplies

Circuit Diagram No. DC400844-1.1

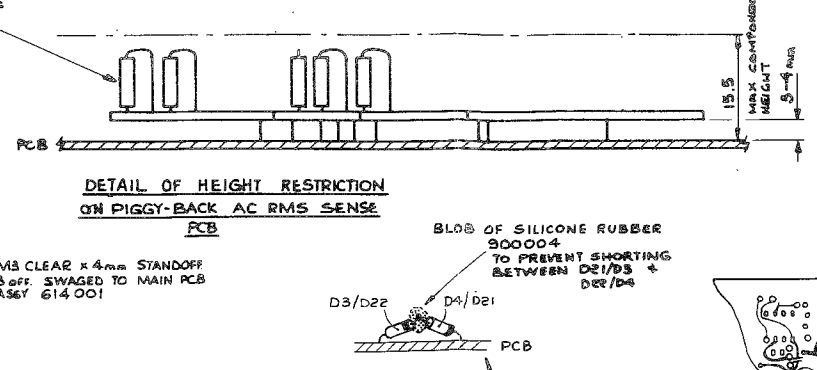
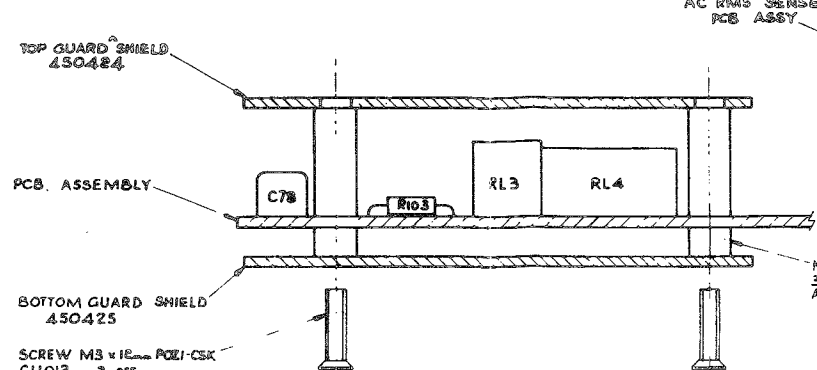
Sheet 5



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4808

11.7-5



N.B. GLASS BEAD 630263 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS :-
C6, 11, 14, 20-24, 27-29, 35, 36, 40, 42, 43, 63-66.

M3 x 14mm STANDOFF 612050 TO BE SWAGED TO 410172

C61 BED IN SILICONE RUBBER ONE LEG IN PCB HOLE, OTHER LEG WRAP ROUND CENTRE LEG OF R122

MAKE LINK LK1 FROM 22SWG BTC WIRE 540002

(GREEN) CIRCUIT BOARD EJECTOR 630121 2 off

SECTION A-A

INDICATES WIRE CONNECTION(S) FROM 'PIGGY-PACK' TO MAIN PCB PADS/HOLES. N.B. PADS INDICATED REPRESENT MAIN PCB ONLY.

M3 CLEAR x 4mm STANDOFF 3 off SWAGED TO MAIN PCB AS67 614001

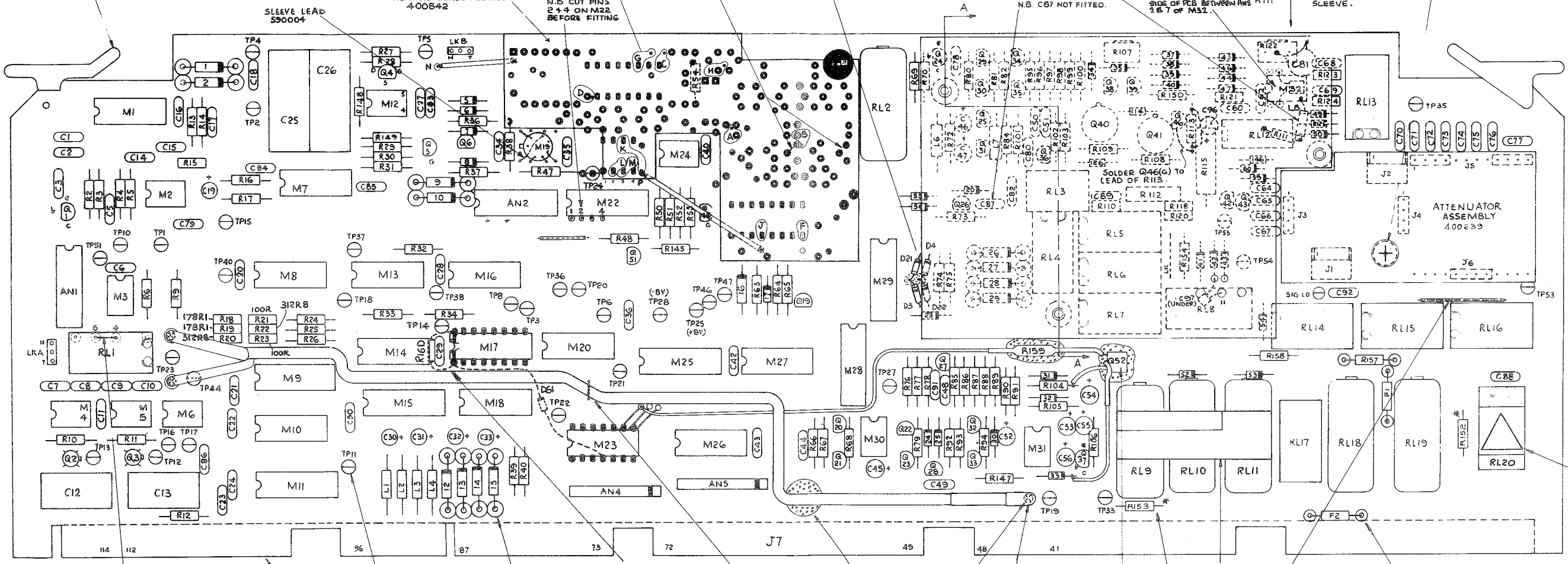
BLOCK OF SILICONE RUBBER 900004 TO PREVENT SHORTING BETWEEN D21/D25 + DER/D4

CUT TRACK AS SHOWN ABOVE SITUATED NEAR R125. COMPONENT SIDE OF PCB. N.B. C67 NOT FITTED.

WRAP WIRES TOGETHER & SOLDER. USE HEATSHRINK SLEEVE Ø 3.2 PART No 590031

INSERT LEG OF R111 INTO STITCH THROUGH WRAP LEG OF L5 AROUND M32 PIN 4 & SOLDER. ENSURE ALL PINS UNDER L5 & R111 ARE CROPPED SHORT THEN SHRINK SLEEVE.

C96 MOUNTED ON UNDER SIDE OF PCB BETWEEN PINS 2 & 7 OF M32.



LINK RL1 PIN 4 TO PIN ON COMPONENT SIDE OF PCB USING WIRE 540002.

TEST POINT TERMINAL 620007 39 off

CUT TRACK BETWEEN M17-1 & M17-1G ON COMP SIDE OF PCB. FIT R160 & D61 ON SOLDER SIDE OF PCB. SLEEVE ANY EXPOSED BARE LEADS TO AVOID SHORTS. LAY COMPS IN POSITIONS TO MISS ATE TEST NODES. 590004 SLEEVING

SECURE CABLE, R159, Q52 & C81 WITH SILICONE RUBBER COMPOUND 900004

SOLDER PIN 620003 3 off

SLEEVE 3 CONNECTIONS OF THIS CABLE WITH 1/2 PIECE OF 590001 SLEEVE.

SERIAL NO LABEL 420008

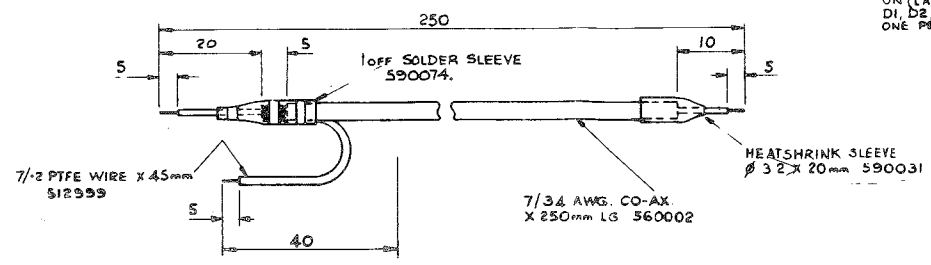
7/2 PTFE WIRE LINK X 25mm 512959

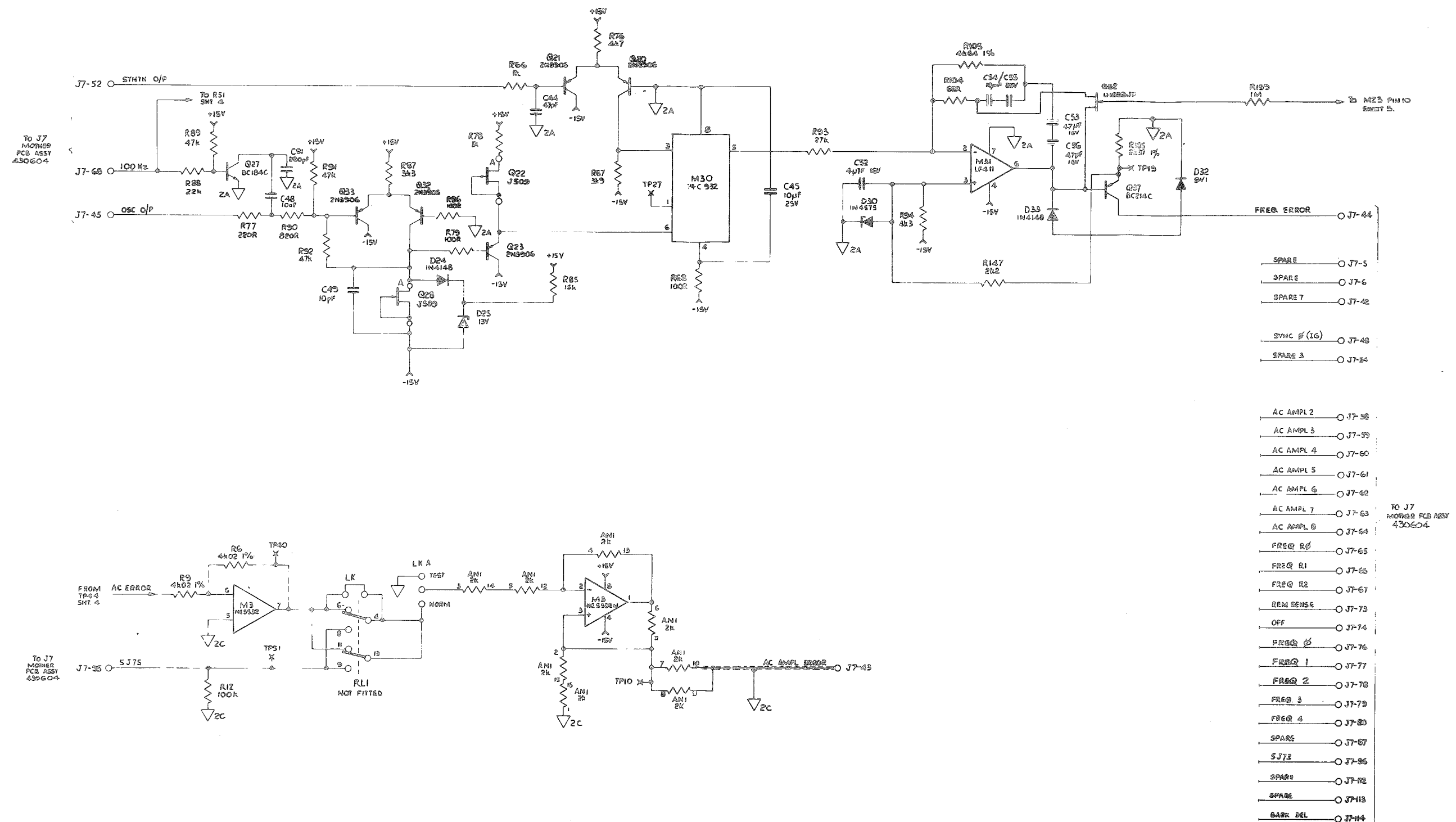
MOUNT F1/F2 R115, R117 ON CERAMIC BEADS 630036 10 off (2 PER LEAD FOR R115)

* R152 AND R153 ARE NOT FITTED ON 4700 SERIES

MOUNT THE FOLLOWING COMPONENTS ON (LARGE) CERAMIC BEADS 630024 24 off :- D1, D2, D9, D10, D12-D15, D26-D29. ONE PER LEAD.

R159 one end connected to stitch through as shown via. BLACK 7/0.2 WIRE 512000 OTHER END TO Q52. SLEEVE WITH 30mm OF HEATSHRINK 590006 & BED IN SILICONE RUBBER. Q52 BED IN SILICONE RUBBER WITH FLAT TO PCB. CENTRE LEG CONNECT TO D33 via. BLACK 7/0.2 WIRE 510000 USE 20mm OF HEATSHRINK SLEEVE 590006 AT LEG JOINT. BOTTOM LEG CONNECT TO R104 SLEEVE LEG WITH 1mm DIAMETER PTFE SLEEVE 590004.

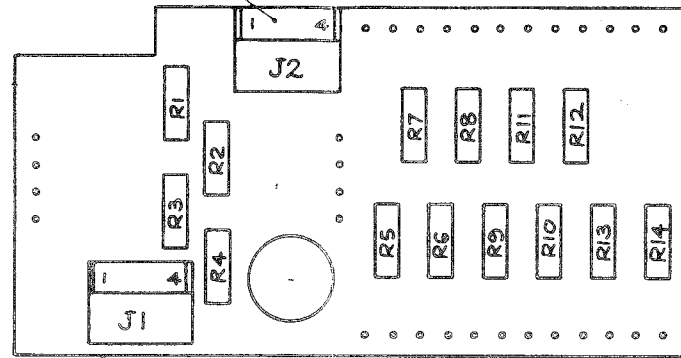




AC ASSEMBLY
Phase Detector and Integrator; Power Supplies



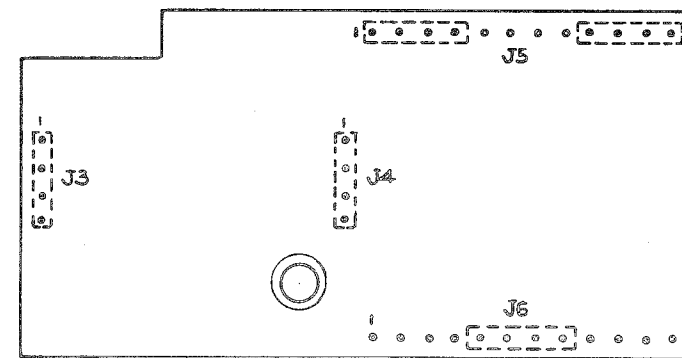
4 WAY SOCKET
605085 2 off (J1,J2)



PCB 410272-2

AC ATTENUATOR PCB

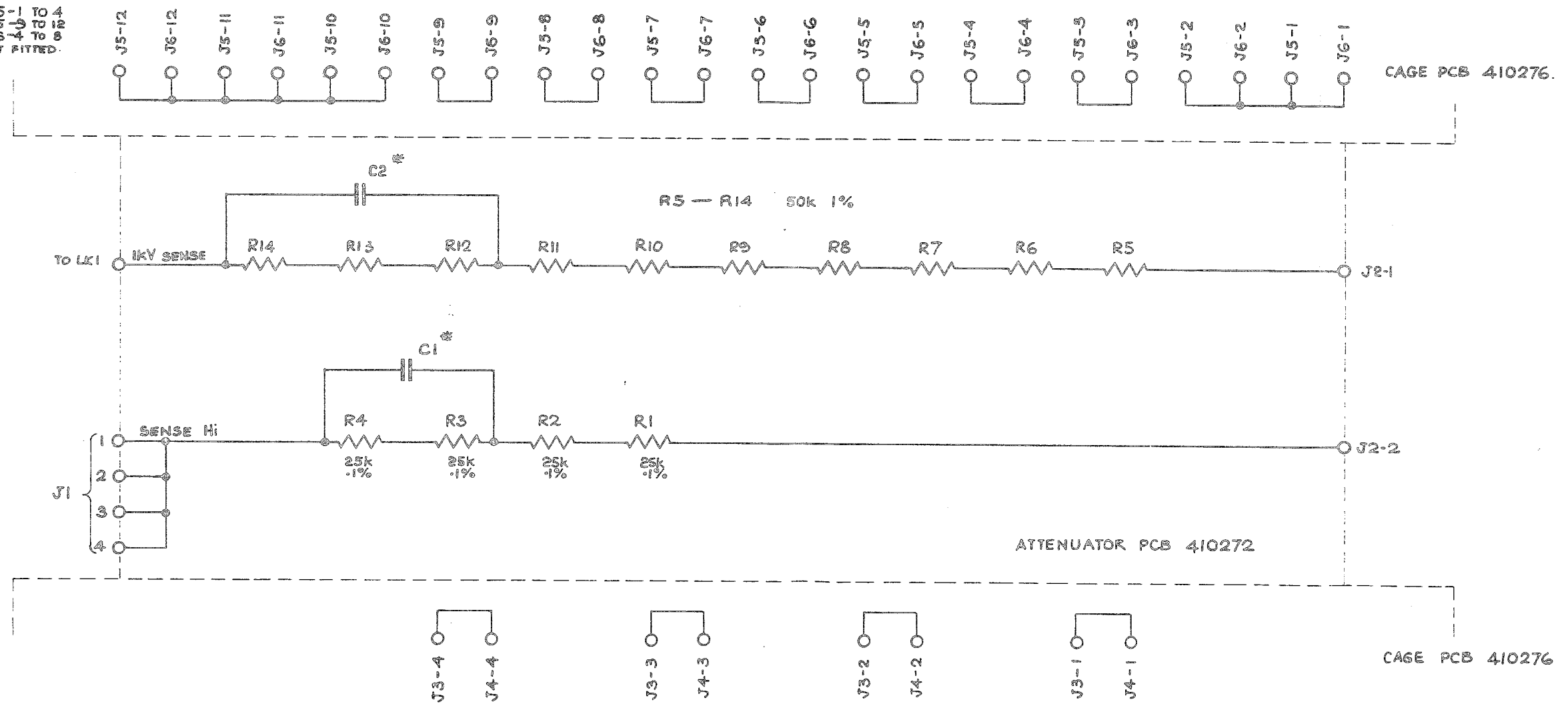
4 WAY SOCKET
605123 5 off (J3-J6)
FIT UNDERSIDE PCB.



PCB 410276-2

AC CAGE PCB

J5-1 TO 4
J6-1 TO 4
NOT FITTED.



* DENOTES COMPONENT NOT FITTED

ALL CONNECTIONS TO AC PCB 430447

AC ATTENUATOR/CAGE ASSEMBLY
Sense Amplifier - Input Attenuator

Circuit Diagram No. 430639-1.0 Sheet 1



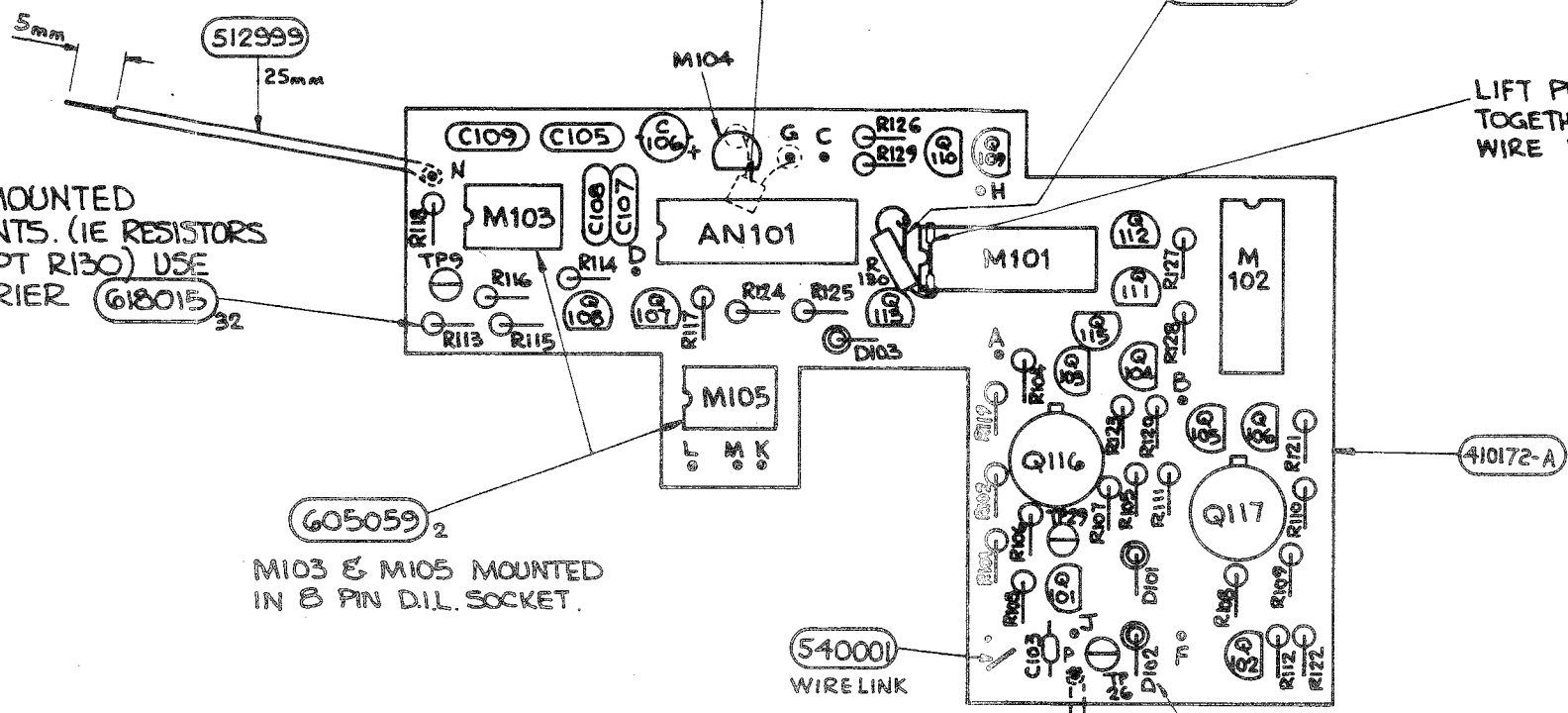
© Datron Instruments 1991

C110 FITTED BETWEEN 'G' & M104 CENTRE PIN ON UNDERSIDE OF PCB.

540001 WIRE LINK

LIFT PINS 1 & 14 OF M101 & CONNECT TOGETHER. FIT R130 BETWEEN PINS & WIRE LINK AS SHOWN.

NOTE - ALL RADIALLY MOUNTED AXIAL COMPONENTS. (IE RESISTORS & DIODES, EXCEPT R130) USE COMPONENT CARRIER (618015) 32



605059₂
M103 & M105 MOUNTED IN 8 PIN D.I.L. SOCKET.

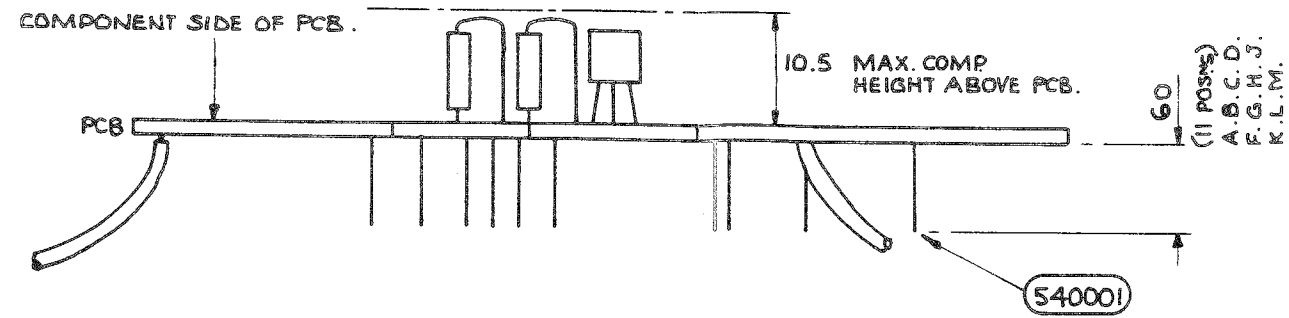
NOTE

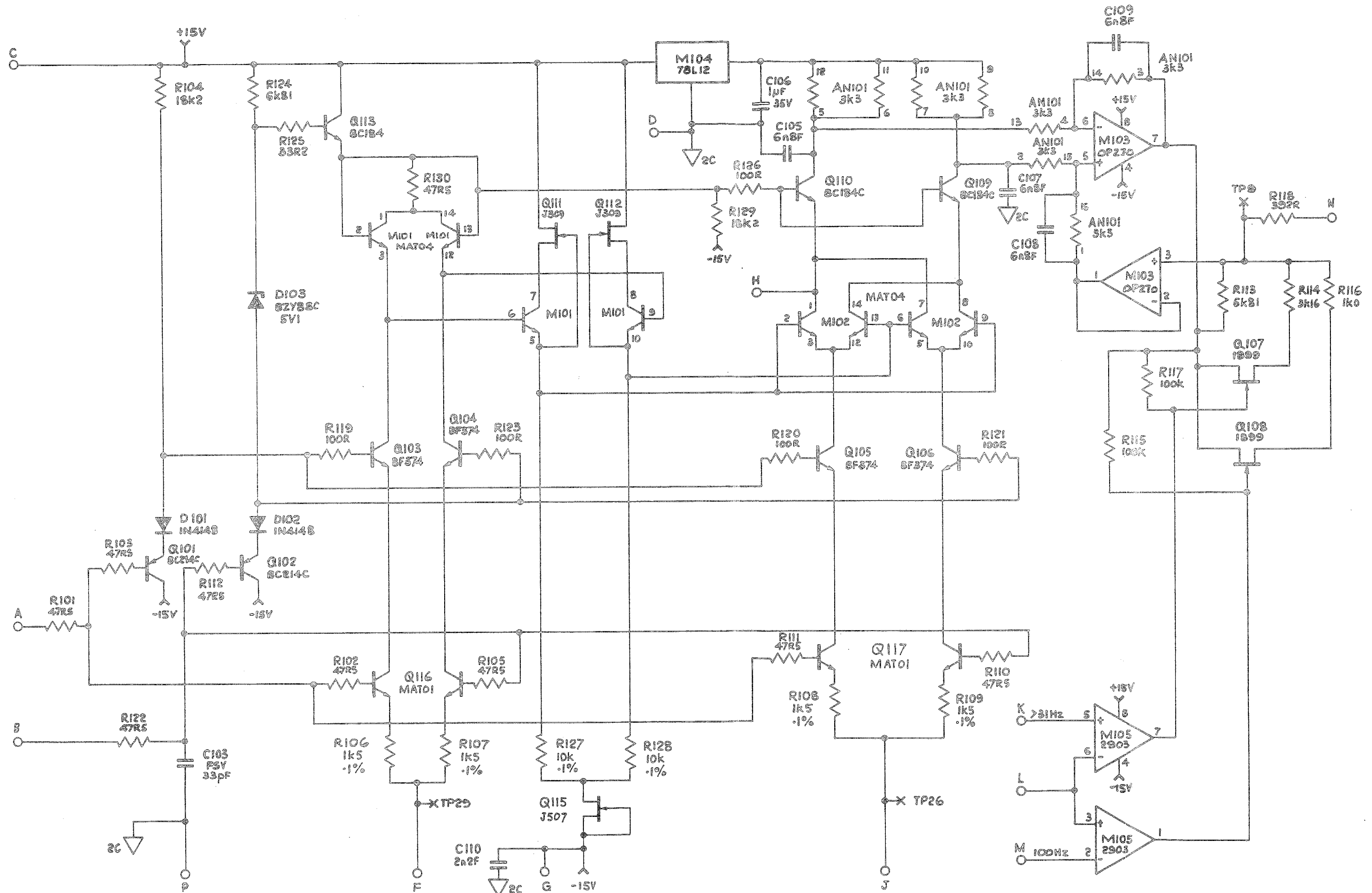
LEAD CONFIGURATION FOR Q103, 104, 105 & 106.



VIEWED FROM UNDERSIDE

DIODES TO BE MOUNTED THUS.





AC RMS SENSE
Square Law Detector

MOUNTING I.C.s			
Nº OF WALS	PART Nº	Nº OFF	
14	605060	7	M3, M8, M10, M15, M16, M17, M18
16	605061	3	M6, M12, J18
B	605059	3	M4, M8, M20
20	605070	2	J13, J14

MOUNT R2, R3, R5, R35, F2, F3 & D11 & D13 ON SMALL CERAMIC BEADS 630036 16 OFF.

MAKE LINKS FROM TINNED COPPER WIRE 540002.

COMPONENTS WITHIN THIS AREA DEFINED BY DOTTED LINE, SHOULD BE NO HIGHER THAN 7mm.

FIXING HOLE FOR MOUNTING ALTERNATIVE RES/HEATSINK ASSYS - SEE SH2.

MOUNT R60, R61, R66, R68, R69, R70, R75, R76 ON FSV TERMINALS GO2001 - 16 OFF.

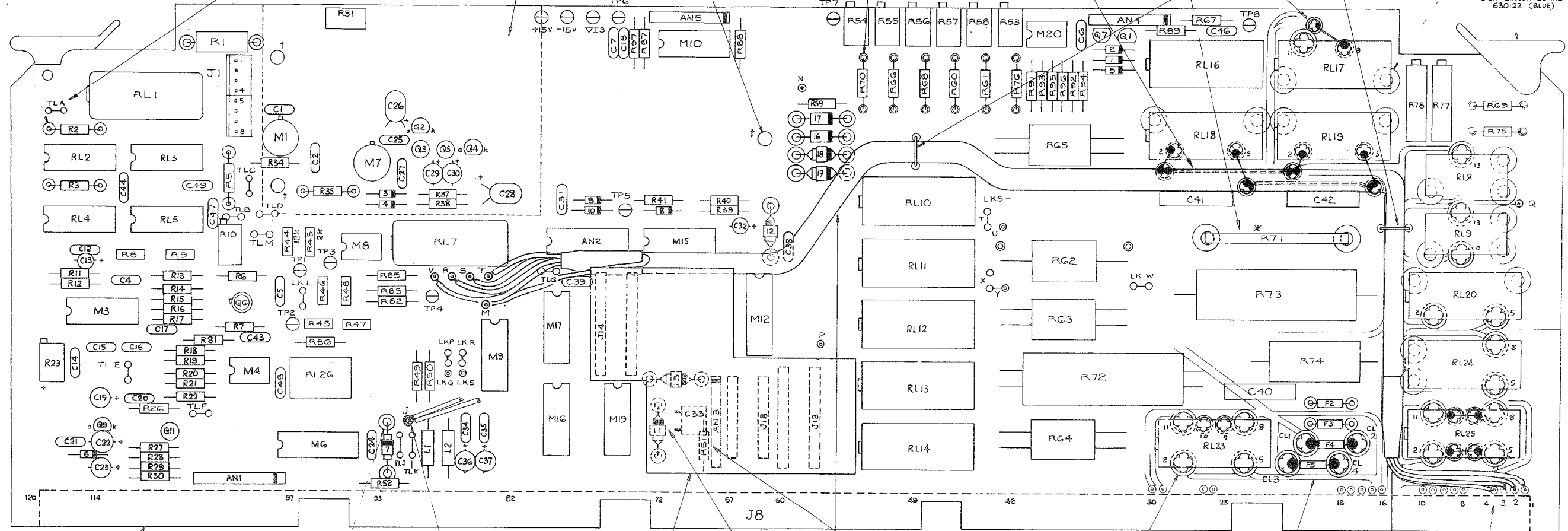
1/0-4 BLACK PTFE INSULATED WIRE 54000G.

16 OFF SMALL CLOVERLEAF TERMINAL 620001

SECURE CABLE TO PCB WITH LACING CORD 550007.

FIT 2 WASHERS UNDER RELAYS IN POSITIONS SHOWN AND 1 EACH END OF R71 USE M3 FLAT NYLON WASHERS 34000F 615017.

2 OFF CIRCUIT BOARD EJECTOR 630122 (BLUE)



410347 - 1

MOUNT R1, D7, D12, D16-D19 ON LARGE CERAMIC BEAD 630024 14 OFF.

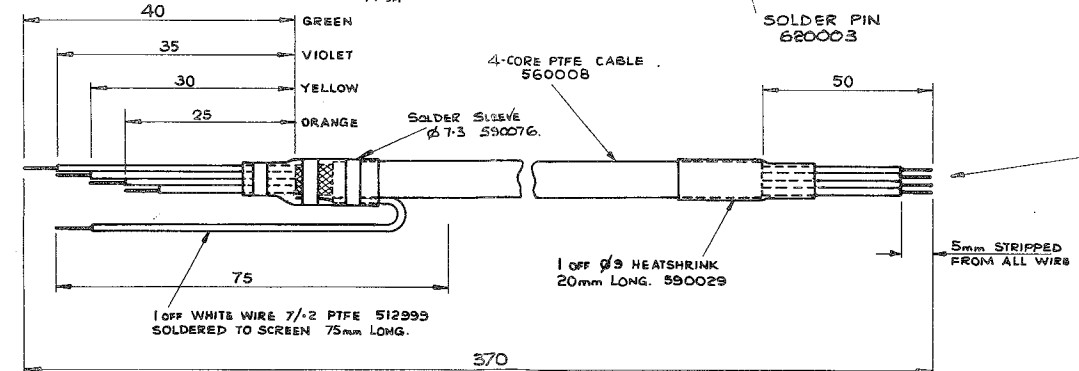
1/2 CLAMP ASSY 400669

D11 & D13 BEND AS SHOWN.

20 OFF LARGE CLOVERLEAF TERMINAL 620005

EASE WIRES INTO PATHS BETWEEN COMPONENTS AS NEATLY AS POSSIBLE. SEE SHEET 2 FOR POINT TO POINT WIRING SCHEDULE.

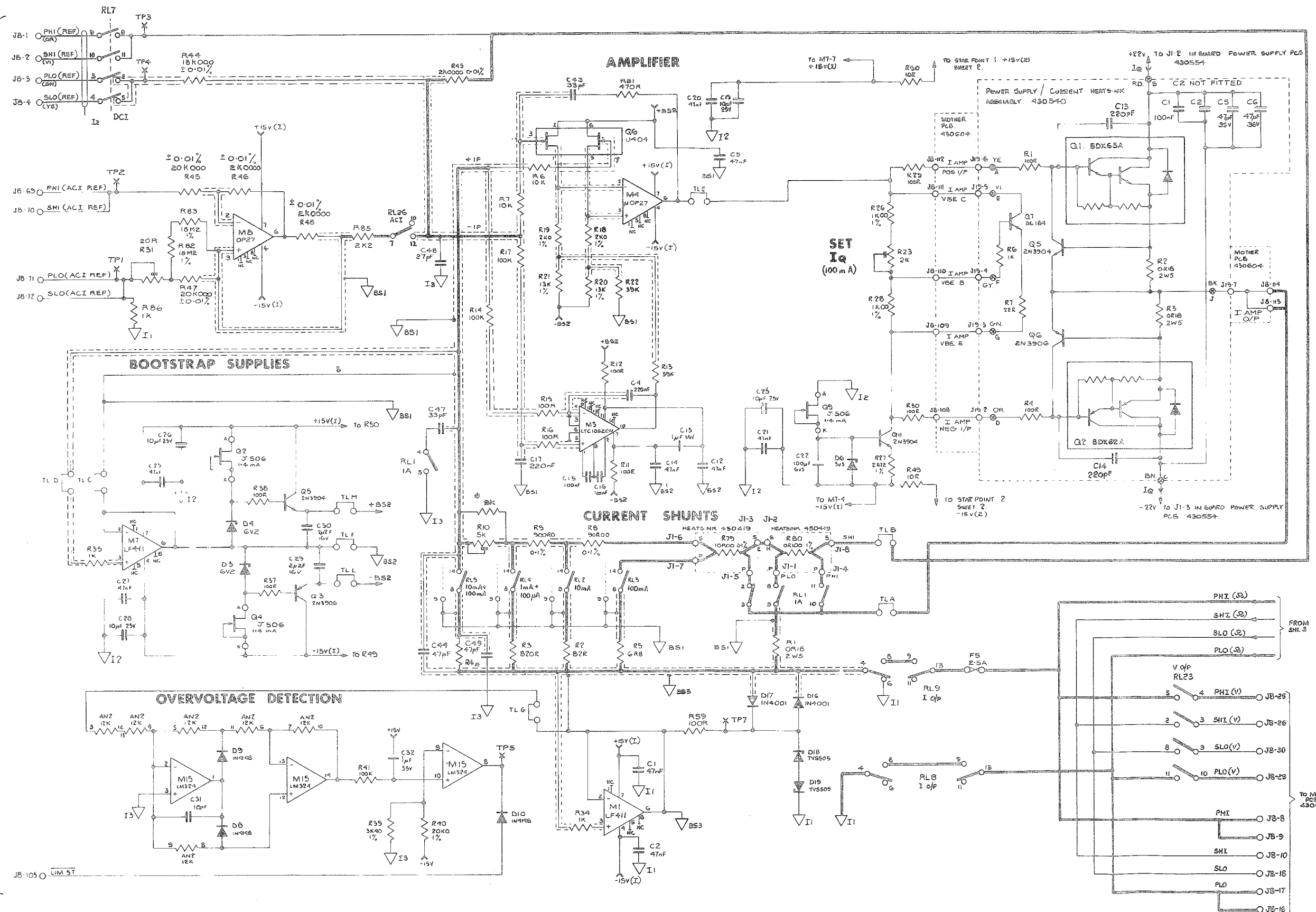
PIN 1 ORANGE TO PIN T
PIN 2 VIOLET TO PIN R
PIN 3 GREEN TO PIN V
PIN 4 YELLOW TO PIN S



OMIT MOUNTING BEADS FOR C33 AND BEND C33 ONTO R51. ENSURE C33 IS NO HIGHER THAN AN3.

N.B. GLASS BEADS 630043 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS: C1, C2, C5, C6, C7, C12, C14, C20, C21, C24, C25, C27, C34, C35, C38, C39.

TO MOTHER PCB 430604



15
 12K
 AN2 12K
 * INDICATES DEVICES NOT FITTED ON 4700.

4808 CURRENT / OHMS ASSEMBLY
Voltage-to-Current Converter

Circuit Diagram No. 430614-1.2 Sheet 1



© Datron Instruments 1991

MOUNTING I.C.s			
Nº OF WATS	PART Nº	Nº OFF	
14	605060	7	M3, M9, M10, M15 M16, M17, M18
16	605061	3	M6, M12, J18
8	605059	3	M4, M8, M20
20	605070	2	J13, J14

MOUNT R2, R3, R5, R35, F2 F3 & D11 & D13 ON SMALL CERAMIC BEADS 630036 16 OFF.

MAKE LINKS FROM TINNED COPPER WIRE 540002.

COMPONENTS WITHIN THIS AREA DEFINED BY DOTTED LINE, SHOULD BE NO HIGHER THAN 7mm.

† FIXING HOLE FOR MOUNTING ALTERNATIVE RES/HEATSINK ASSYS - SEE SHT 2.

MOUNT R60, R61, R66, R68, R69, R70, R75, R76 ON FSV TERMINALS 602001 16 OFF.

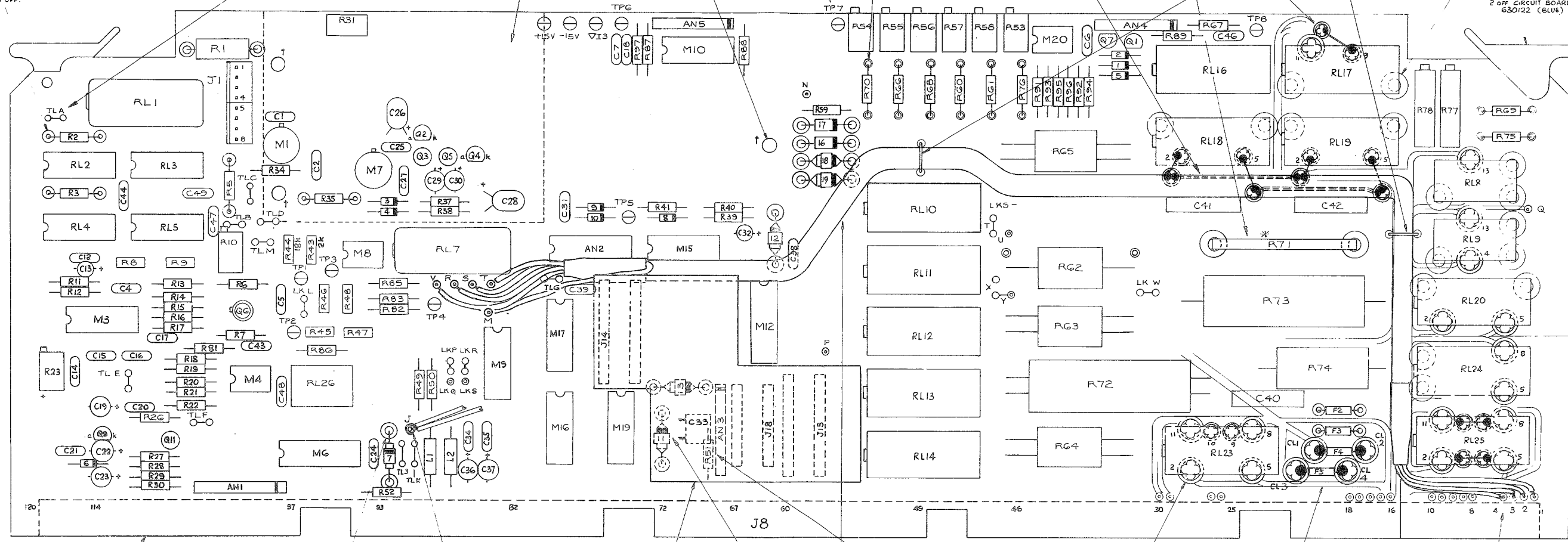
1/0-4 BLACK PTFE INSULATED WIRE 540006.

16 OFF SMALL CLOVERLEAF TERMINAL 620001

SECURE CABLE TO PCB WITH LACING CORD 590007.

FIT 2 WASHERS UNDER RELAYS IN POSITIONS SHOWN AND 1 EACH END OF R71 USE M3 FLAT NYLON WASHERS 34001 615 017

2 OFF CIRCUIT BOARD EJECTOR 630122 (BLUE)



410347 - 1

MOUNT R1, D7, D12, D16-D19 ON LARGE CERAMIC BEAD 630024 14 OFF

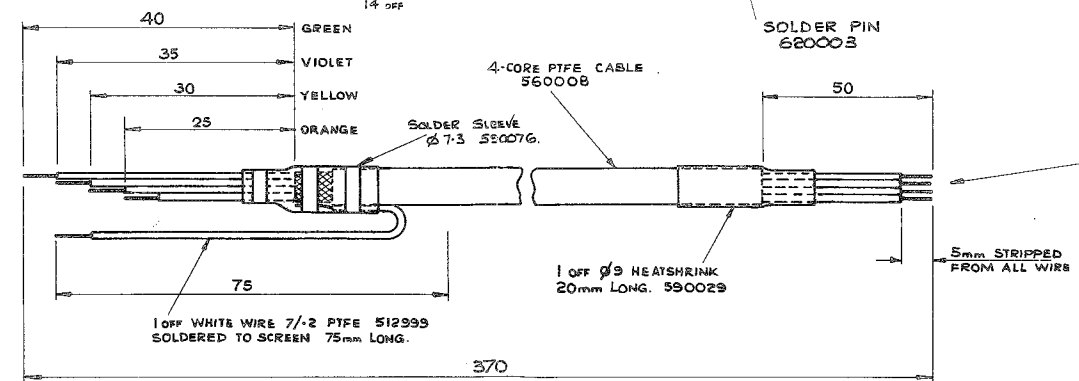
1/2 CLAMP ASSY 400669

D11 & D13 BEND AS SHOWN.

20 OFF LARGE CLOVERLEAF TERMINAL 620005

EASE WIRES INTO PATHS BETWEEN COMPONENTS AS NEATLY AS POSSIBLE. SEE SHEET 2 FOR POINT TO POINT WIRING SCHEDULE.

PIN 1 ORANGE TO PIN T
PIN 2 VIOLET TO PIN R
PIN 3 GREEN TO PIN V
PIN 4 YELLOW TO PIN S

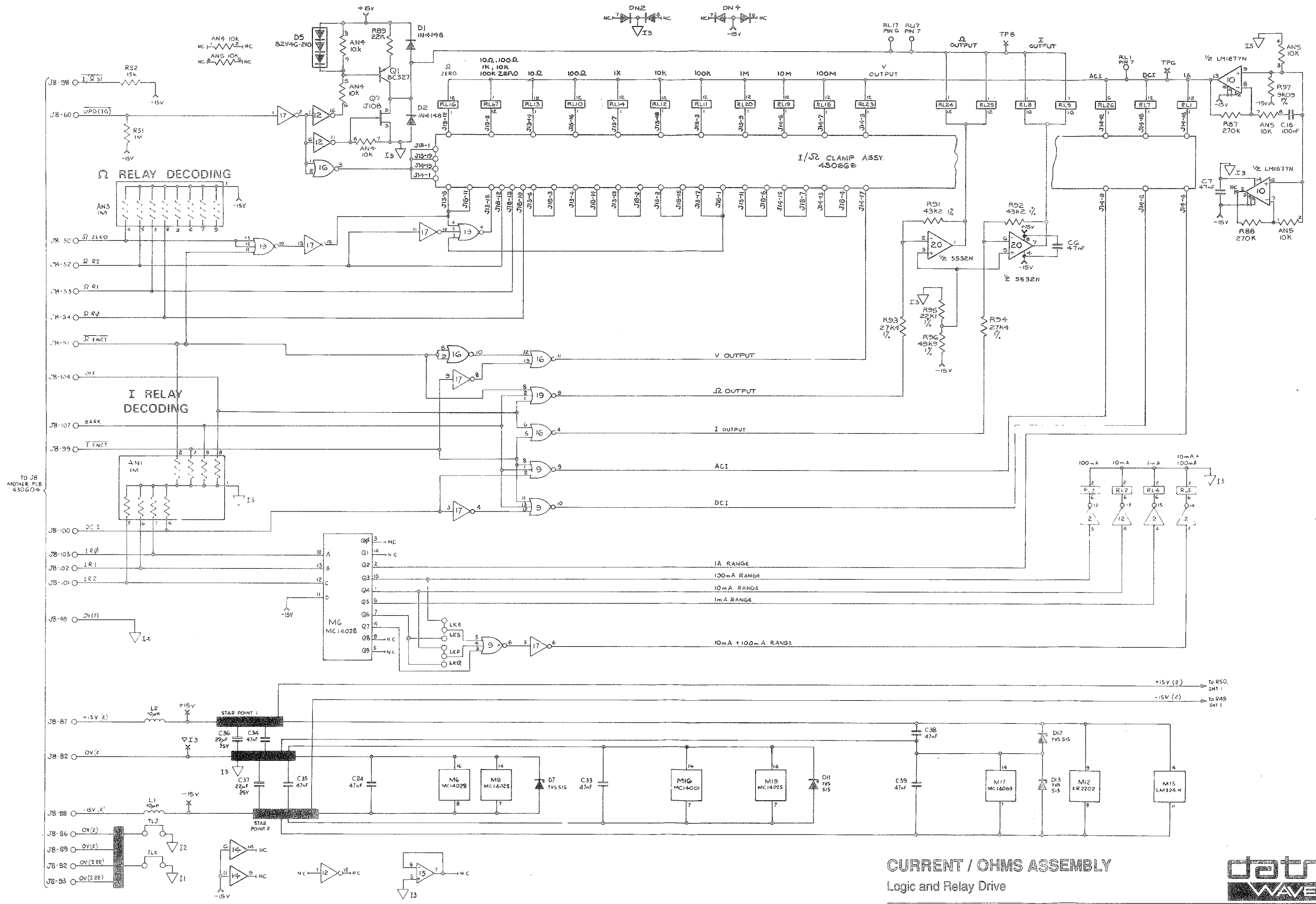


OMIT MOUNTING BEADS FOR C33 AND BEND C33 ONTO R51. ENSURE C33 IS NO HIGHER THAN AN3.

N.B. GLASS BEADS 630243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS: C1, C2, C5, C6, C34, C35, C38, C39.



CURRENT / OHMS ASSEMBLY



4808
Datron
WAVETEK

Circuit Diagram No. 430614-1.1 Sheet 2

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MOUNTING I.C.s.				
Nº OF WALS	PART Nº	Nº OFF		
14	605060	7	M3, M8, M10, M15	
16	605061	3	M6, M12, J18	
B	605059	3	M4, M8, M20	
20	605070	2	J13, J14	

MOUNT R2, R3, R5, R35, F2 F3 & D11 & D13 ON SMALL CERAMIC BEADS G3003G 16 OFF.

MAKE LINKS FROM TINNED COPPER WIRE 540002.

COMPONENTS WITHIN THIS AREA DEFINED BY DOTTED LINE, SHOULD BE NO HIGHER THAN 7mm.

↑ FIXING HOLE FOR MOUNTING ALTERNATIVE RES/HEATSINK ASSYS - SEE SH2.

11 OFF TEST POINT TERMINAL 620007

MOUNT RG0, RG1, RG6, R68, RG9, R70, R75, R76 ON FSV TERMINALS G02001 16 OFF.

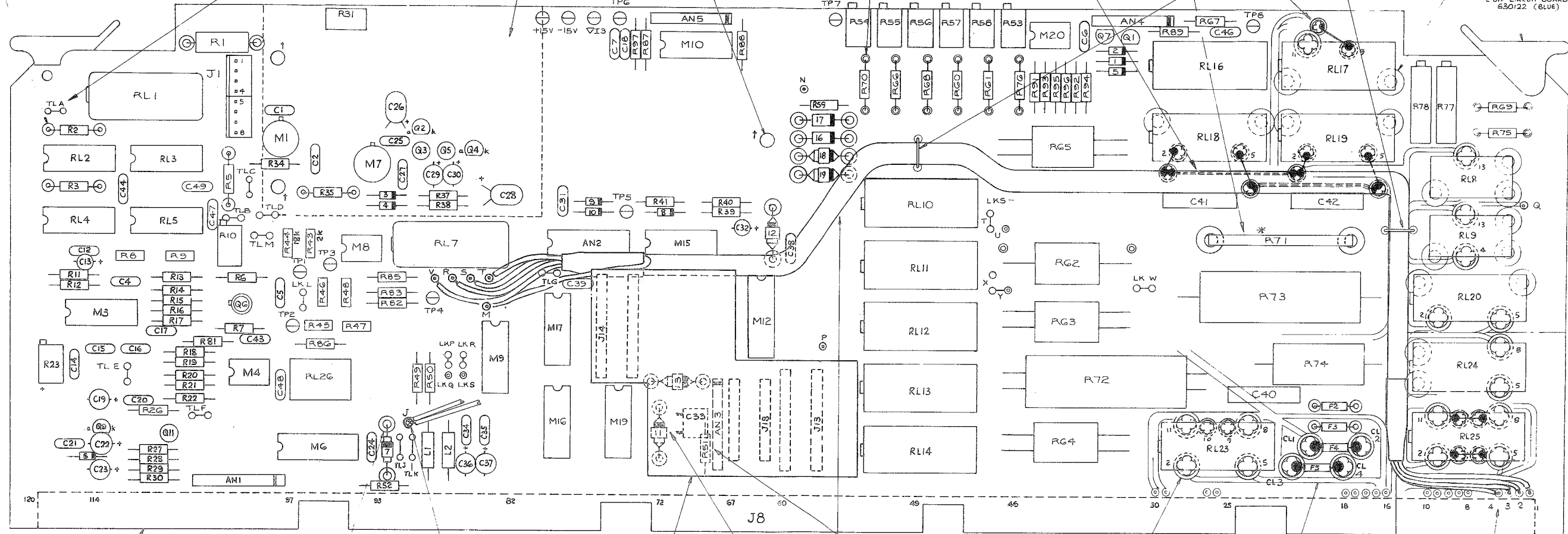
1/0-4 BLACK PTFE INSULATED WIRE 54000G.

16 OFF SMALL CLOVERLEAF TERMINAL 620001

SECURE CABLE TO PCB WITH LACING CORD 590007.

FIT 2 WASHERS UNDER RELAYS IN POSITIONS SHOWN AND 1 EACH END OF R71 USE M3 FLAT NYLON WASHERS 39 OFF 613017.

2 OFF CIRCUIT BOARD EJECTOR 630122 (BLUE)



410347-1

MOUNT R1, D7, D12, D16-D19 ON LARGE CERAMIC BEAD G30024 14 OFF.

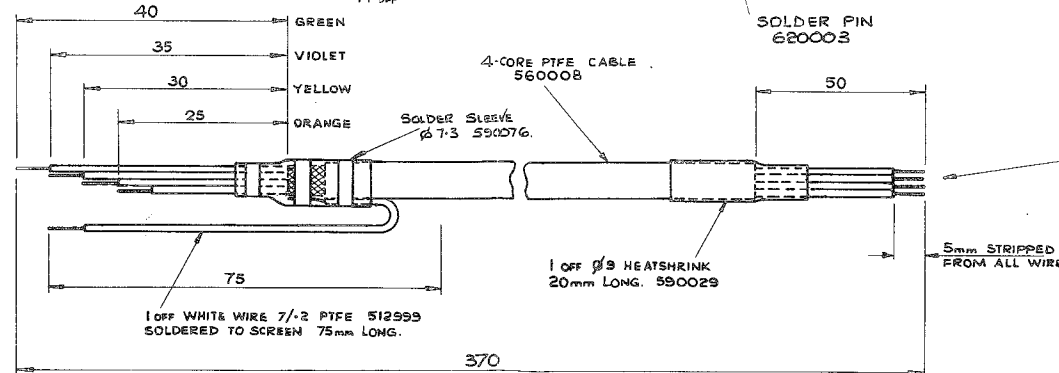
1/2 CLAMP ASSY 400669

D16 D19 BEND AS SHOWN.

20 OFF LARGE CLOVERLEAF TERMINAL 620005

EASE WIRES INTO PATHS BETWEEN COMPONENTS AS NEATLY AS POSSIBLE. SEE SHEET 2 FOR POINT TO POINT WIRING SCHEDULE.

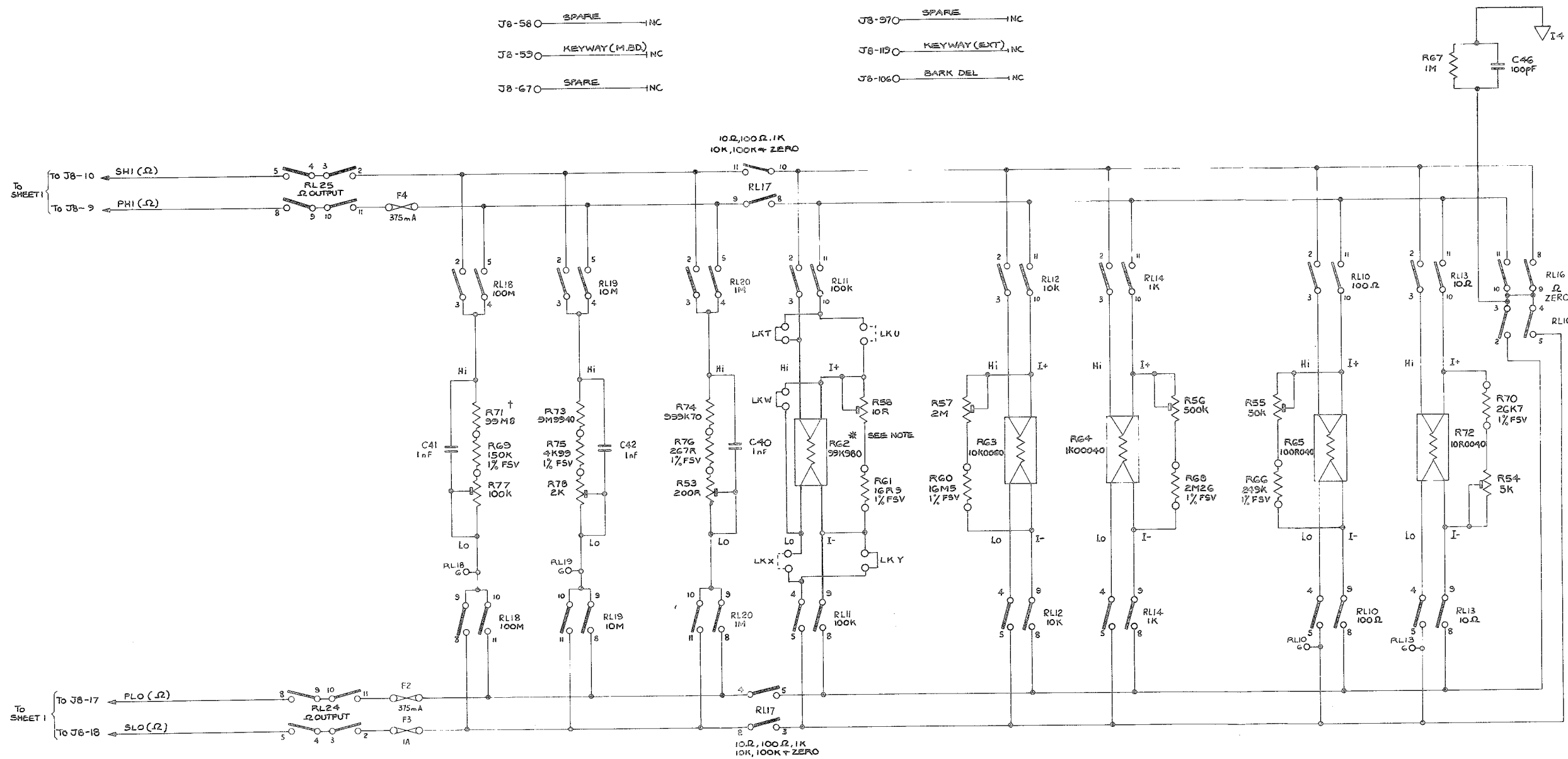
PIN 1 ORANGE TO PIN T
PIN 2 VIOLET TO PIN R
PIN 3 GREEN TO PIN V
PIN 4 YELLOW TO PIN S



OMIT MOUNTING BEADS FOR C33 AND BEND C33 ONTO R51. ENSURE C33 IS NO HIGHER THAN AN3.

N.B. GLASS BEADS G30243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS: C1, C2, C5, C6, C7, C8, C14, C20, C21, C24, C25, C27, C34, C35, C38, C39.

J8-46	SPARE	INC
J8-47	SPARE	INC
J8-49	SPARE	INC
J8-55	REM SENSE	INC
J8-56	POSITIVE	INC
J8-57	SPARE	INC
J8-58	SPARE	INC
J8-59	KEYWAY (M.B.D.)	INC
J8-67	SPARE	INC
J8-68	SPARE	INC
J8-83	SPARE	INC
J8-84	SPARE	INC
J8-85	SPARE	INC
J8-90	SPARE	INC
J8-91	SPARE	INC
J8-97	SPARE	INC
J8-119	KEYWAY (EXT)	INC
J8-106	BARK DEL	INC



* NOTE R62 IS A 2-WIRE RESISTOR ON THE 4700.
 † ALTERNATIVE RESISTOR SET COMPRISES TWO 49 MΩ IN SERIES.

CURRENT / OHMS ASSEMBLY
 Standard Resistors and Switching

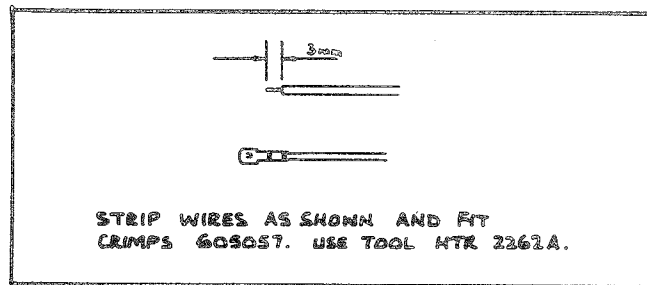
Circuit Diagram No. 430614-1.2 Sheet 3



© Datron Instruments 1991

WIRING SCHEDULE.			
WIRE COL-OUR	RELAY/PIN	DESTINATION	WIRE LENGTH
BRN	PIN J	HOLE P	120
RED	PIN J	HOLE Q	330
ORG	RL23-10	J8-29	45
YEL	RL23-9	J8-30	45
GRN	RL9-4	HOLE N	210
BLU	RL23-2	J8-10	70
VLT	RL23-5	J8-8/9	60
GRY	RL18-2	RL17-11	70
WHT	RL17-9	RL18-5	100
BRN	RL18-5	CLOVERLEAF CL ₁	105
RED	RL18-2	RL25-2	130
ORG	RL19-2	RL20-2	80
YEL	RL20-5	RL15-5	70
GRN	RL8-13	J8-16/17	100
BLU	RL9-13	CLOVERLEAF CL ₂	105
VLT	RL24-8	J8-16/17	75
GRY	RL23-11	J8-16/17	75
WHT	RL23-8	J8-18	50
BRN	RL24-5	J8-18	60
RED	RL25-8	J8-8/9	50
ORG	CLOVERLEAF CL ₄	J8-8/9	40
YEL	RL25-5	J8-10	30
GRN	RL25-11	CLOVERLEAF CL ₂	30

NOTE:-
ALL RELAY WIRE CONNECTIONS TO BE MADE FROM 7/8 PTFE COVERED WIRE 512***



2 OFF M3 x10mm POZI-CSK 611008
2 OFF M3 NUT 615002
2 OFF M3 WAVY WASHER 613029
2 OFF P-CLIP 630003

3 OFF M3 x6mm POZI-PAN 611004
3 OFF M3 WAVY WASHER 613029

8 WAY MOLEX HOUSING 605052 TO MATE WITH J1 ON SHEET 1

2 OFF M3x10mm POZI-CSK 611008
2 OFF INSULATING BUSH 618001
2 OFF P-CLIP 630003
2 OFF M3 WAVY WASHER 613029

2 OFF M3 NUT 615002.

INSULATING BUSH REQUIRED ONLY WHEN VISHAY RESISTOR ALTERNATIVE USED.

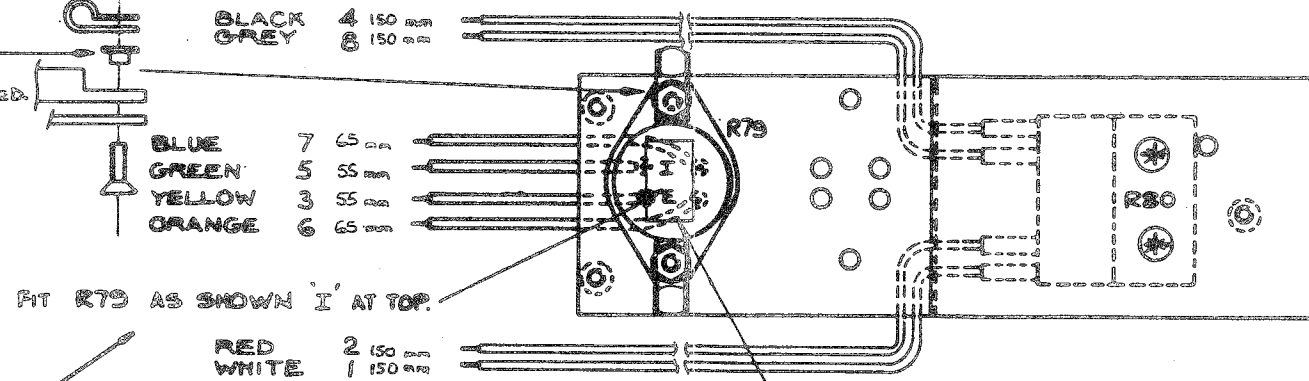
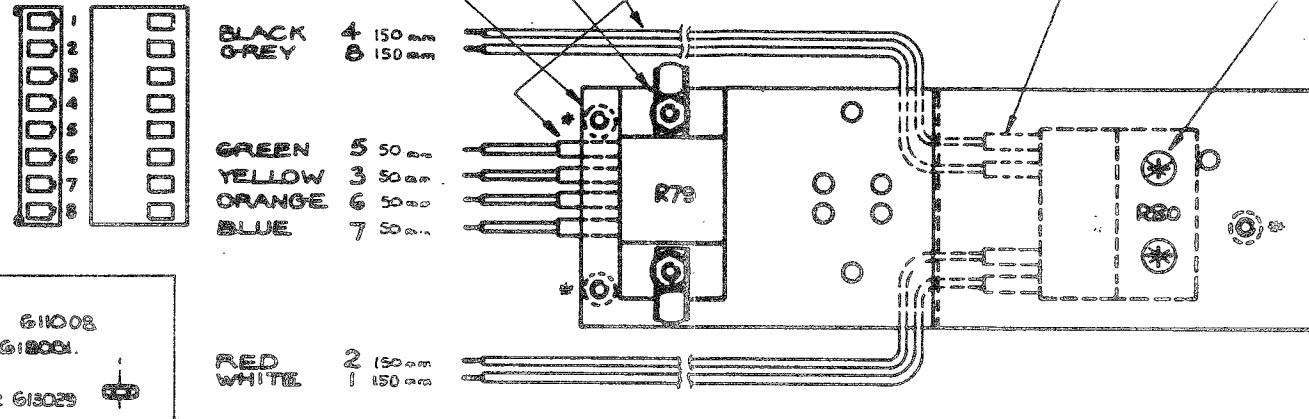
7/0-2 PTFE COVERED WIRE 512***:-
BLACK = 512000
RED = 512222
ORANGE = 512333
YELLOW = 512444
GREEN = 512555
BLUE = 512666
GREY = 512888

2 OFF M3x8mm POZI-CSK 611015
2 OFF M3 NUT 615002
2 OFF M3 SHAKEPROOF 613005.

USE HEATSINK COMPOUND 300008 BETWEEN MATING SURFACES OF RESISTORS AND HEATSINK

HEATSINK 450419-2

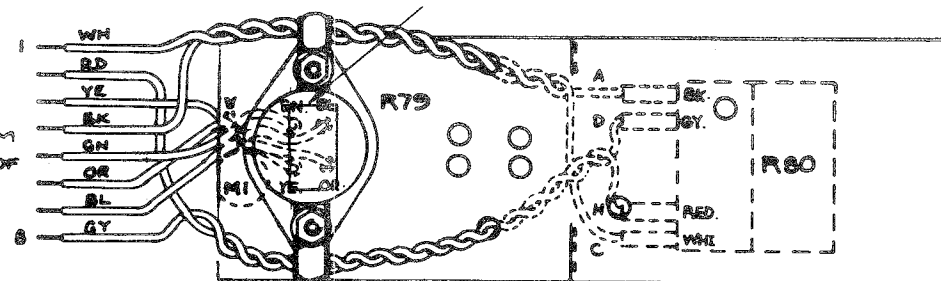
R79. ALTERNATIVE (SFERNICE) 080081



R79 ALTERNATIVE (VISHAY) 080081

ADD PIECE OF ADHESIVE FOAM TAPE 650167 x 15mm LONG TO TOP OF R79

ROUTE ALL WIRES FROM R79 AROUND THE TOP OF M1 AND TIE WITH LACING CORD 590007 TRIM TO EQUAL LENGTH AT SOCKET.



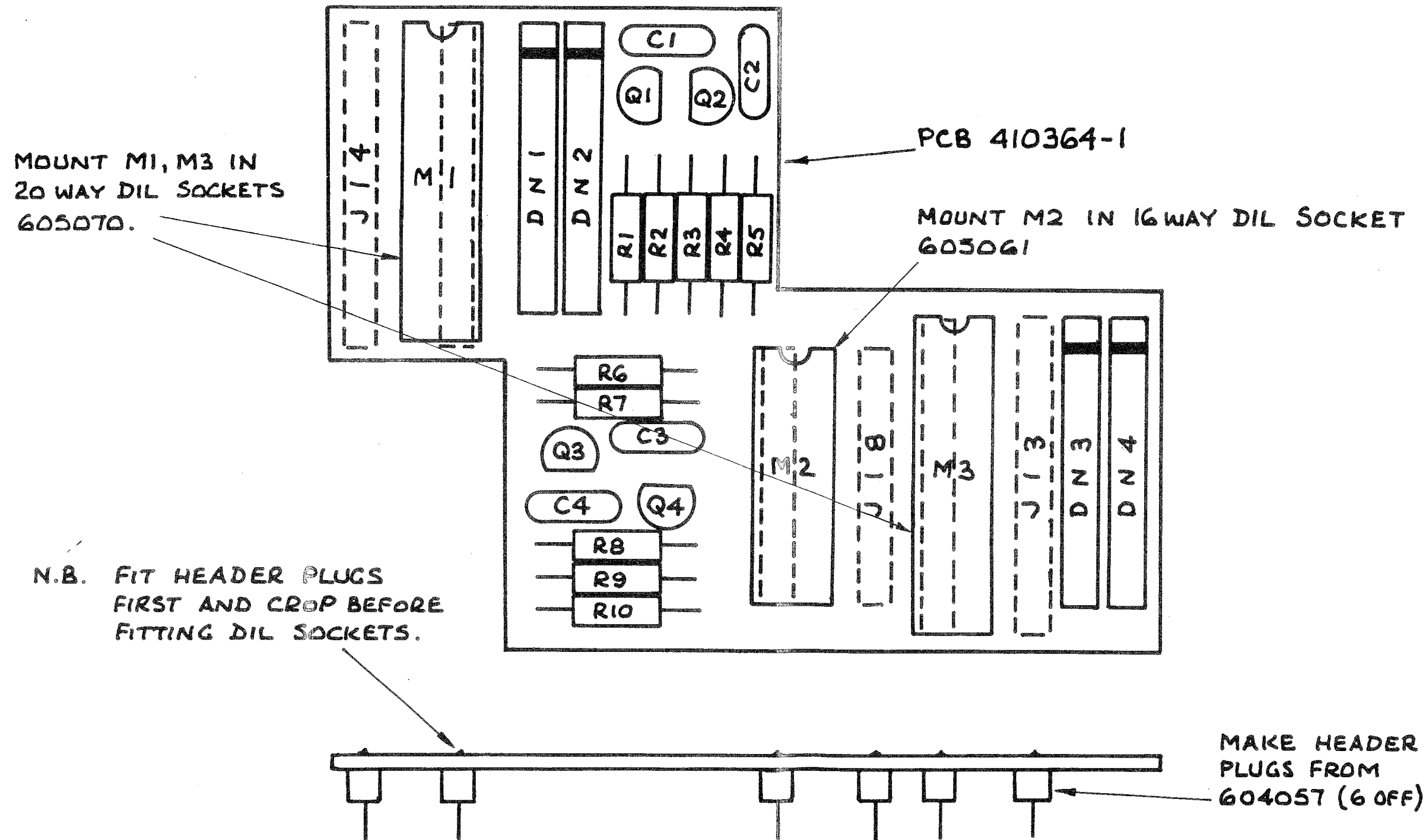
FINAL ASSEMBLY.

CURRENT / OHMS ASSEMBLY

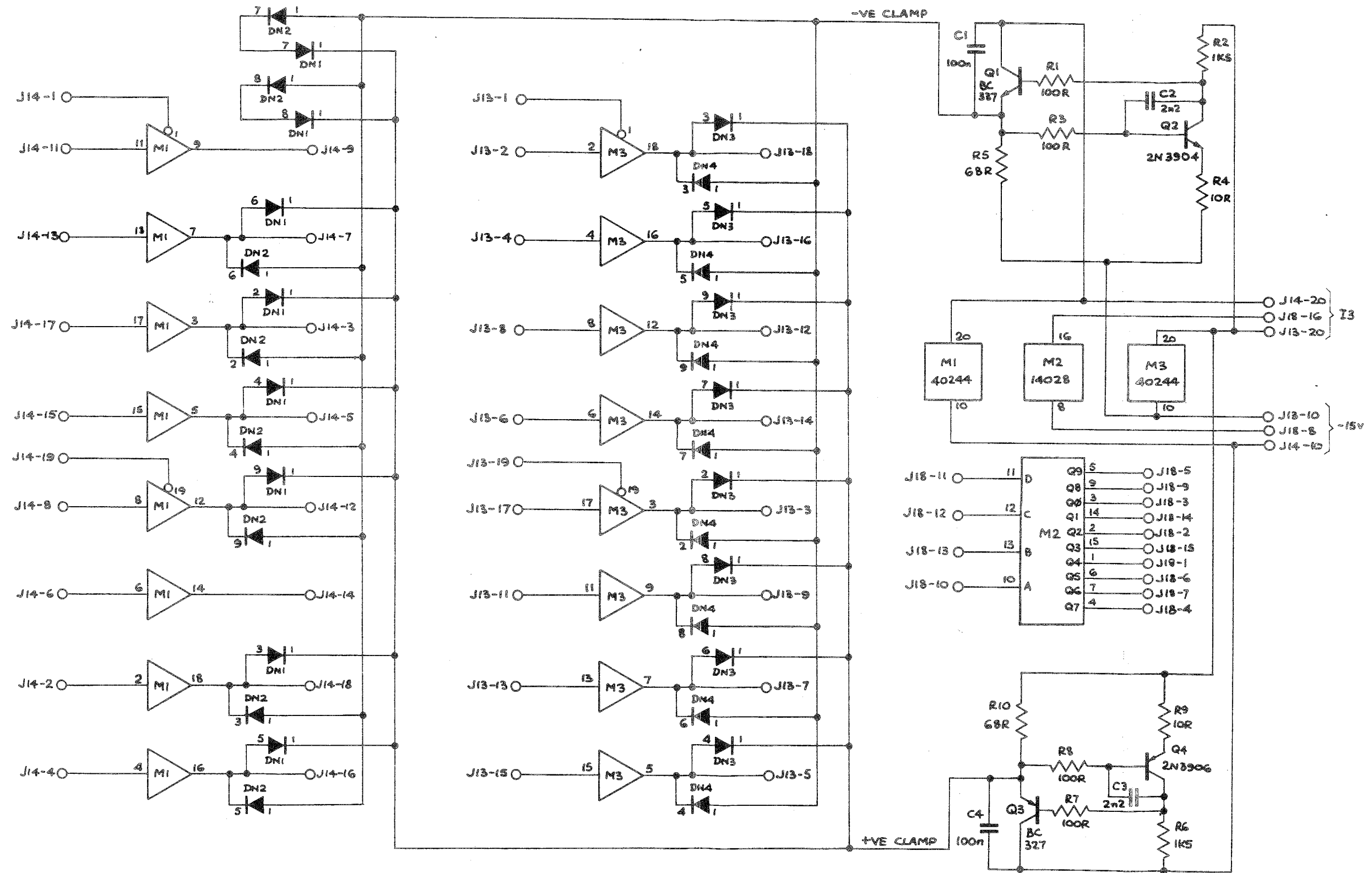
Shunts R79/R80 variants (Located on PS/I Heatsink)

Circuit Diagram No. 480614-1.5 Sheet 2

NOTE. DN1 + DN3 ARE CODED RED
 DN2 + DN4 ARE CODED BLUE



DN1 AND DN3 ARE CC-IN4148
 DN2 AND DN4 ARE CA-IN4148



1/2 CLAMP ASSEMBLY

Circuit Diagram No. 430669-1.0 Sheet 1



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MOUNTING ICs			
Nº OF WALS	PART Nº	Nº OFF	
14	605060	7	M3, M8, M10, M15, M16, M17, M19
16	605061	3	M6, M12, J18
8	605059	3	M1, M8, M20
20	605070	2	J13, J14

MOUNT R2, R3, R5, R35, D11 & D13 ON SMALL CERAMIC BEADS 630026 12 off

MAKE LINKS FROM TINNED COPPER WIRE 540002.

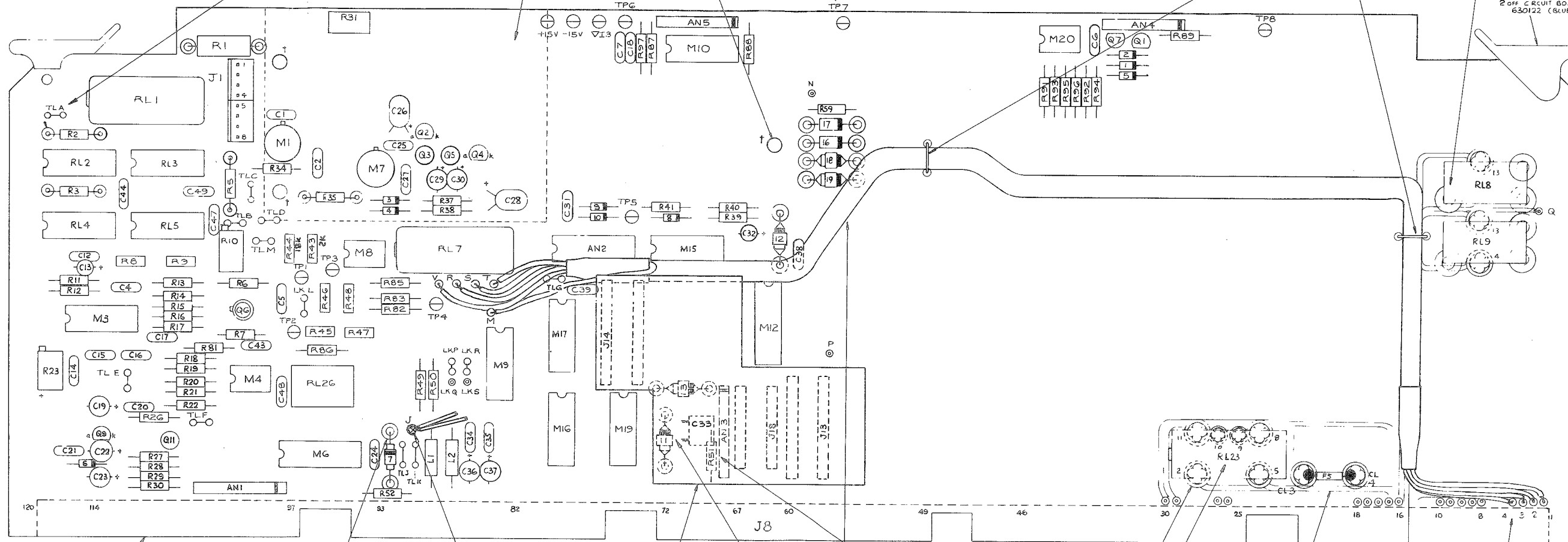
COMPONENTS WITHIN THIS AREA DEFINED BY DOTTED LINE, SHOULD BE NO HIGHER THAN 7mm

FIXING HOLE FOR MOUNTING ALTERNATIVE RES/HEATSINK ASSYS - SEE SH1 2 11 off TEST POINT TERMINAL 620007

SECURE CABLE TO PCB WITH LACING CORD 550007.

FIT 2 WASHERS UNDER RL8 AND RL9 IN POSITIONS SHOWN. USE M3 FLAT NYLON WASHER. 12 off 613017.

2 off CIRCUIT BOARD EJECTOR 630122 (BLUE)



410347 - 1 MOUNT R1, D7, D12, D16-D19 ON LARGE CERAMIC BEAD 630024 14 off

SOLDER PIN 620003

1/2 CLAMP ASSY 400669

D11 & D13 BEND AS SHOWN.

OMIT MOUNTING BEADS FOR C33 AND BEND C33 ONTO R51. ENSURE C33 IS NO HIGHER THAN AN3.

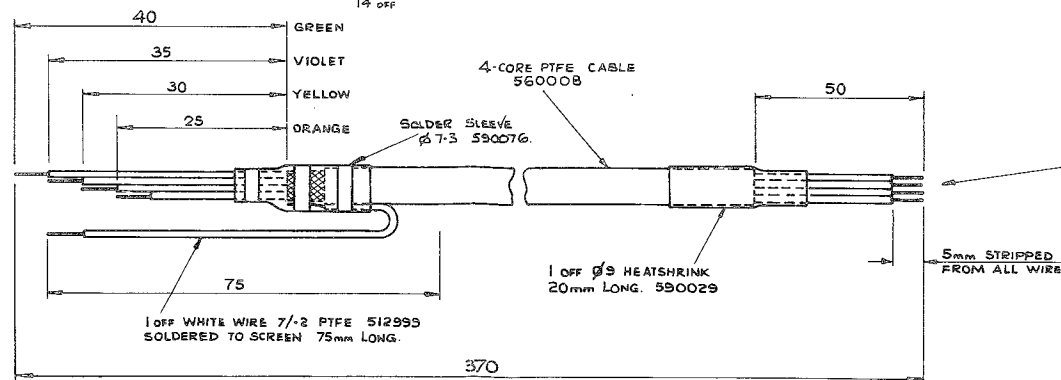
9 off LARGE CLOVERLEAF TERMINAL 620005

2 off SMALL CLOVERLEAF TERMINAL 620001

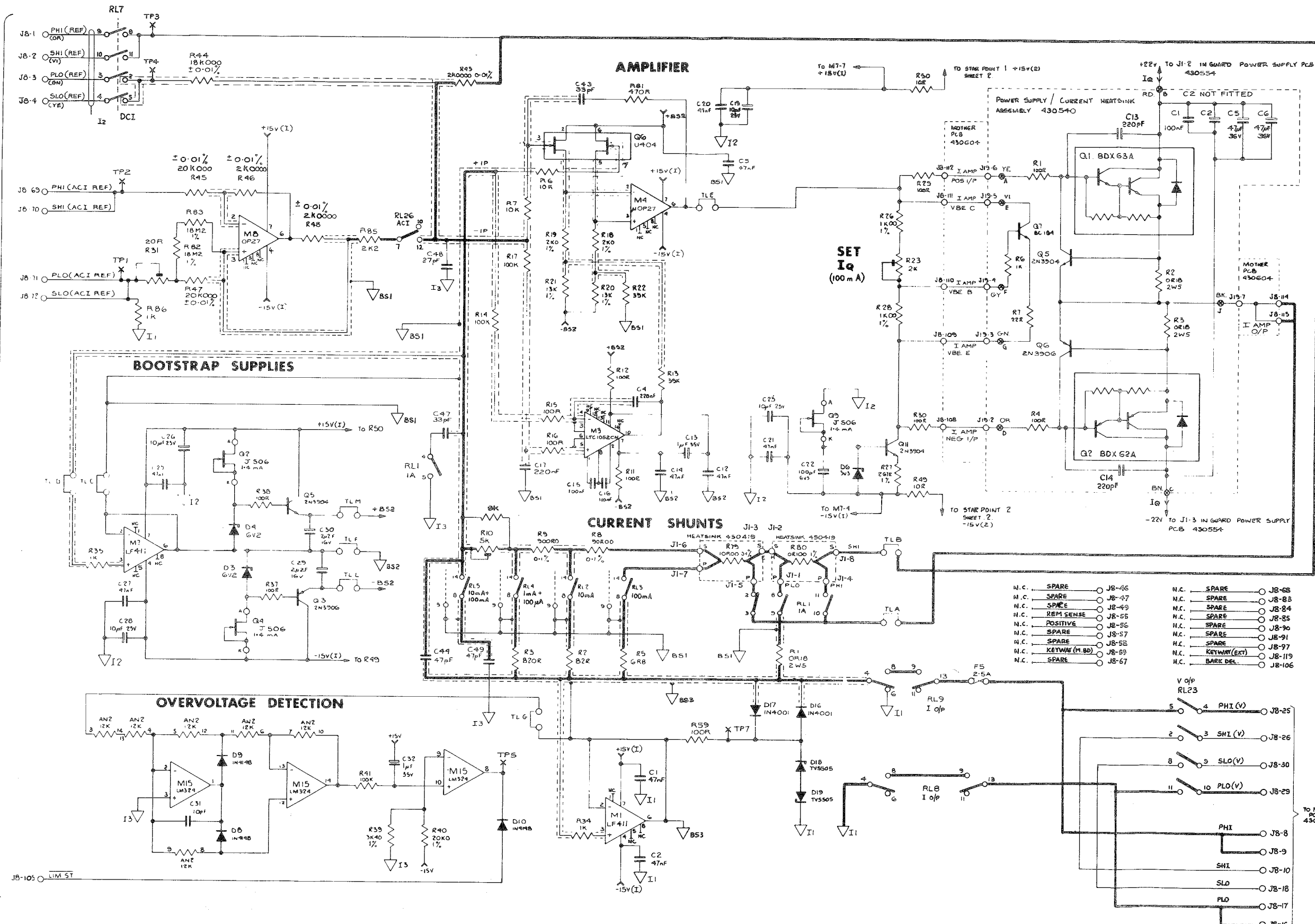
EASE WIRES INTO PATHS BETWEEN COMPONENTS AS NEATLY AS POSSIBLE. SEE SHEET 2 FOR POINT TO POINT WIRING SCHEDULE.

PIN 1 ORANGE TO PIN T
PIN 2 VIOLET TO PIN R
PIN 3 GREEN TO PIN V
PIN 4 YELLOW TO PIN S

N.B. GLASS BEADS 630243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS: C1, C2, C5, C6, C7, C12, C14, C20, C21, C24, C25, C27, C34, C35, C36, C39



TO J6 MOTHER PCB 430604



N.C.	SPARE	J8-46	N.C.	SPARE	J8-65
N.C.	SPARE	J8-47	N.C.	SPARE	J8-63
N.C.	SPARE	J8-49	N.C.	SPARE	J8-83
N.C.	REP1 SENSE	J8-55	N.C.	SPARE	J8-84
N.C.	POSITIVE	J8-56	N.C.	SPARE	J8-85
N.C.	SPARE	J8-57	N.C.	SPARE	J8-90
N.C.	SPARE	J8-58	N.C.	SPARE	J8-91
N.C.	KEYWAY (M.BD)	J8-59	N.C.	KEYWAY (EXT)	J8-97
N.C.	SPARE	J8-67	N.C.	SPARE	J8-119
			N.C.	BARK DEL.	J8-106

4808
CURRENT ASSEMBLY
 Voltage-to-Current Converter



MOUNTING I.C.s			
Nº OF WAL.	PART Nº	Nº OFF	
14	605060	7	M3, M8, M10, M15, M16, M17, M19
16	605061	3	M6, M12, J18
8	605059	3	M4, M8, M20
20	605070	2	J13, J14.

JOIN R2, R3, R5, R35, D11 & D13. ON SMALL CERAMIC BEADS G3003G 12 OFF

MAKE LINKS FROM TINNED COPPER WIRE 540002.

COMPONENTS WITHIN THIS AREA DEFINED BY DOTTED LINE, SHOULD BE NO HIGHER THAN 7mm

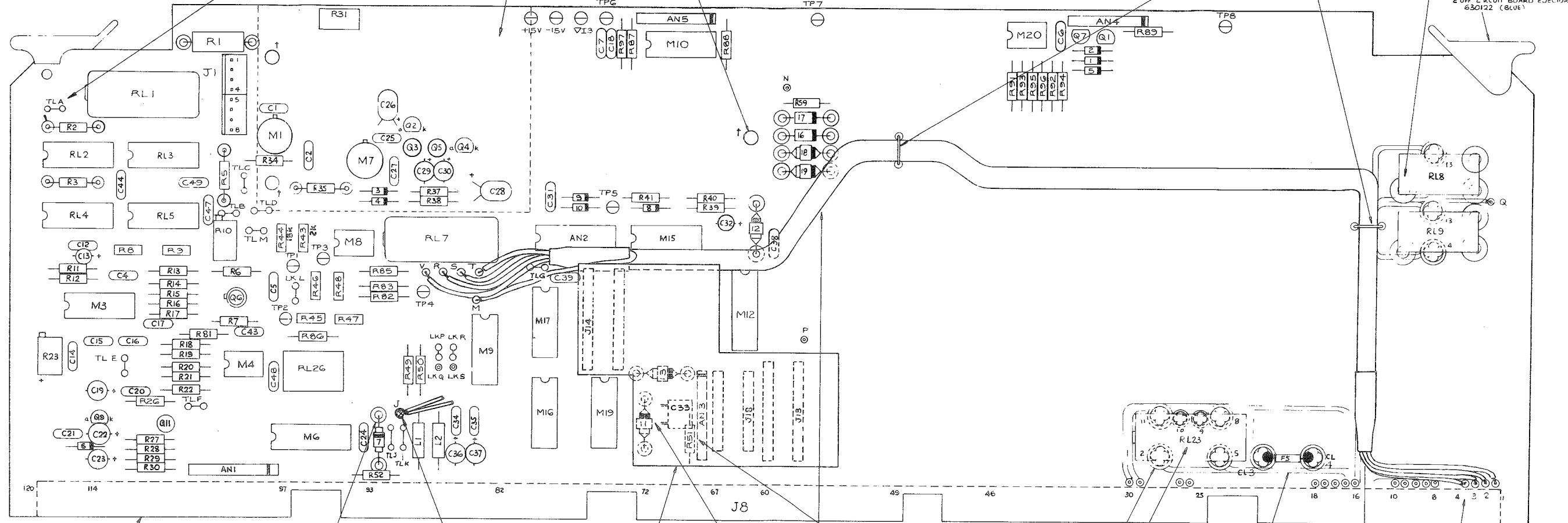
FIXING HOLE FOR MOUNTING ALTERNATIVE RES/HEATSINK ASSYS -SEE SHT 2

11 OFF TEST POINT TERMINAL 620007

SECURE CABLE TO PCB WITH LACING CORD 590007.

FIT 2 WASHERS UNDER RL8 AND RL9 IN POSITIONS SHOWN. USE P13 FLAT NYLON WASHER. 12 OFF 613017.

2 OFF CIRCUIT BOARD EJECTOR 630122 (BLUE)



410347-1

MOUNT R1, D7, D12, D16-D19 ON LARGE CERAMIC BEAD G30024 14 OFF

SOLDER PIN 620003

I/O CLAMP ASSY 400669

D11, D13 BEND AS SHOWN.

5.5mm MAX HEIGHT

OMIT MOUNTING BEADS FOR C35 AND SEND C33 ONTO R51. ENSURE C33 IS NO HIGHER THAN AN3.

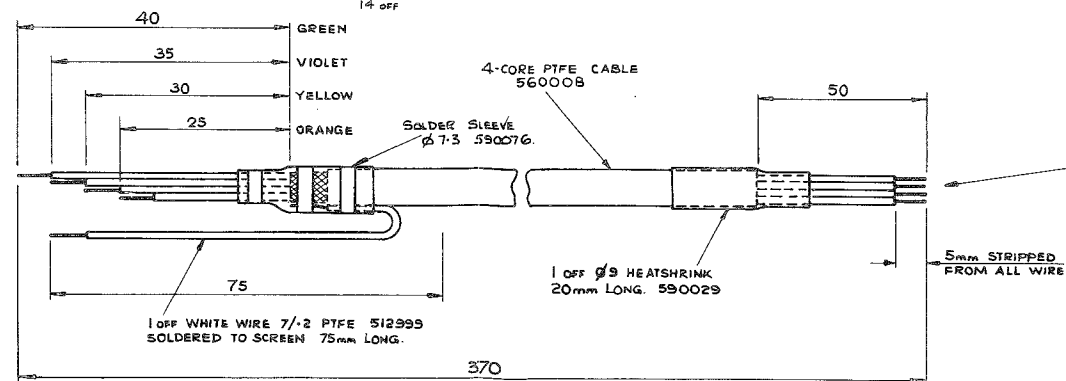
9 OFF LARGE CLOVERLEAF TERMINAL 620005

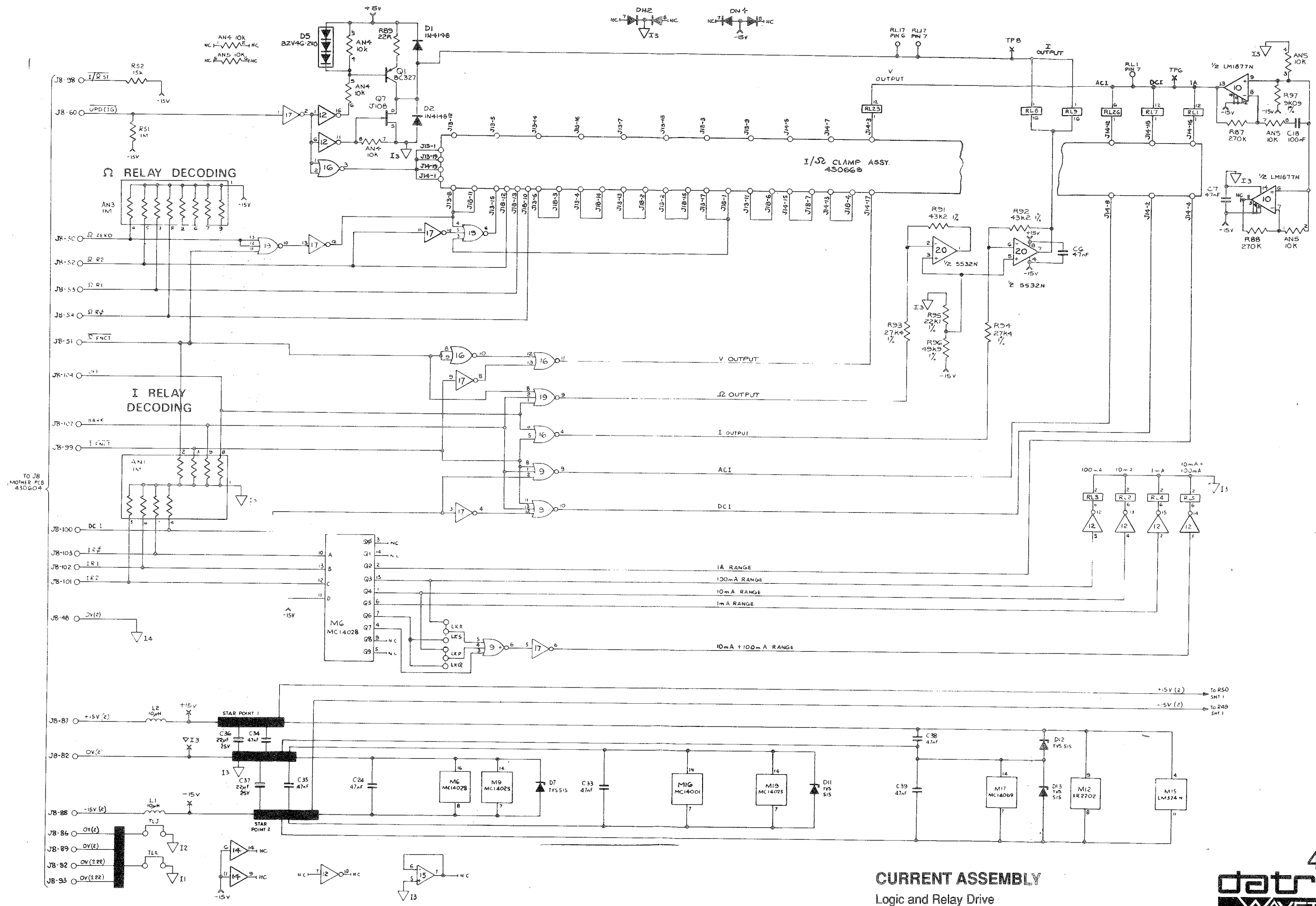
2 OFF SMALL CLOVERLEAF TERMINAL 620001

EASE WIRES INTO PATHS BETWEEN COMPONENTS AS NEATLY AS POSSIBLE. SEE SHEET 2 FOR POINT TO POINT WIRING SCHEDULE.

PIN 1 ORANGE TO PIN T
PIN 2 VIOLET TO PIN R
PIN 3 GREEN TO PIN V
PIN 4 YELLOW TO PIN S

N.B. GLASS BEADS G30243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS: C1, C2, C5, C6, C7, C12, C14, C20, C21, C24, C25, C27, C34, C35, C38, C39

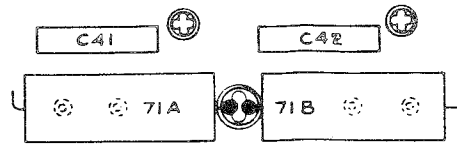
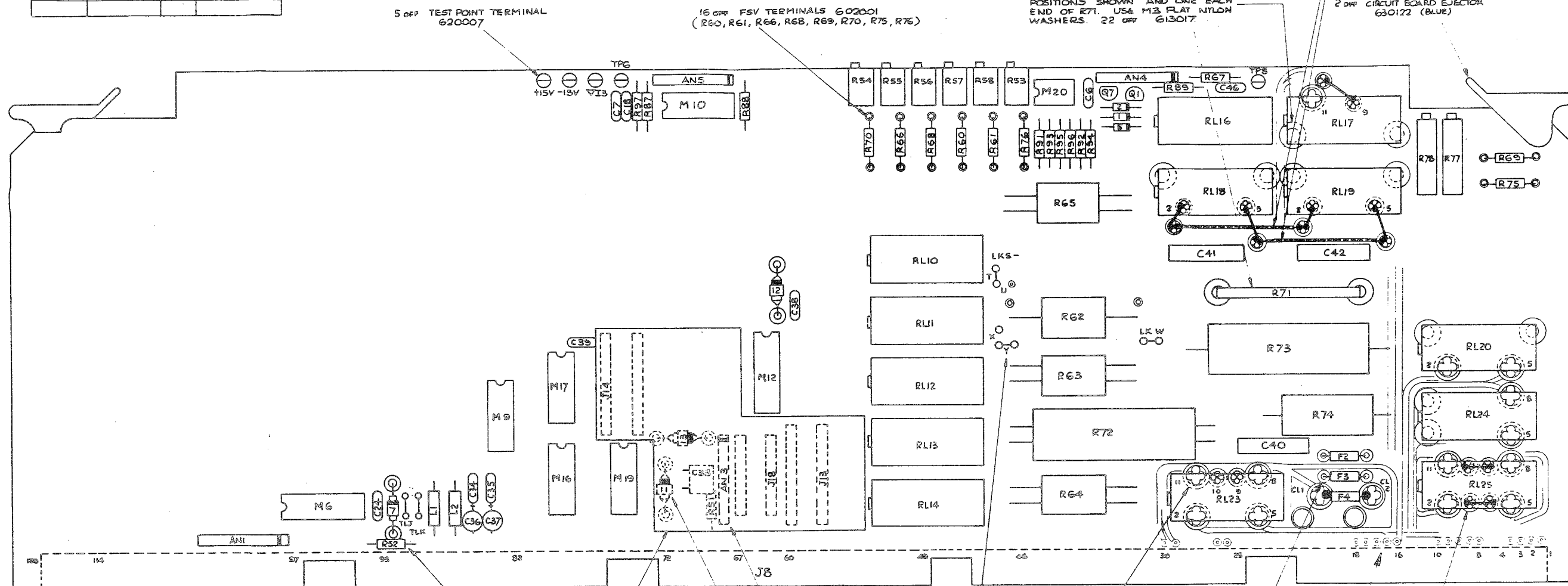




CURRENT ASSEMBLY
Logic and Relay Drive



MOUNTING IC's.			
NO OF WATS	PART NO	NO OFF	DEVICE REF
14	605060	5	M5, M10, M16, M17, M19
16	605061	3	M6, M12, J18
8	605055	1	M20
20	605070	2	J13, J14



* FIT 2 OFF 080098 AS ALTERNATIVE TO R71 080097. AN EXTRA LARGE CLOVERLEAF 620005 WILL BE NEEDED.

FIT TWO WASHERS UNDER RELAY IN POSITIONS SHOWN AND ONE EACH END OF R71. USE M13 FLAT NYLON WASHERS. 22 OFF 613017.

1/0.4 BLACK PTFE INSULATED WIRE 540006.

2 OFF CIRCUIT BOARD EJECTOR 630122 (BLUE)

WIRING SCHEDULE			
WIRE COLOUR	RELAY / PIN	DESTINATION	WIRE LENGTH
ORG	RL23-10	J8-29	45
YEL	RL23-9	J8-30	45
BLU	RL23-2	J8-10	70
VLT	RL23-5	J8-8/9	60
GRY	RL18-2	RL17-11	70
WHT	RL17-9	RL18-5	100
BRN	RL18-5	CLOVERLEAF CL1	105
RED	RL18-2	RL25-2	130
ORG	RL19-2	RL20-2	80
YEL	RL20-5	RL19-5	70
VLT	RL24-8	J8-16/17	75
GRY	RL23-11	J8-16/17	75
WHT	RL23-8	J8-18	50
BRN	RL24-5	J8-18	60
RED	RL25-8	J8-8/9	50
YEL	RL25-5	J8-10	30
BRN	RL25-11	CLOVERLEAF CL2	30

NOTE: ALL RELAY WIRE CONNECTIONS TO BE MADE FROM 7/2 PTFE COVERED WIRE 512 8-8.

1/OHMS CLAMP ASSY 400668.

MOUNT D7, D12 ON LARGE CERAMIC BEAD 630024 4 OFF

PCB 410347-1

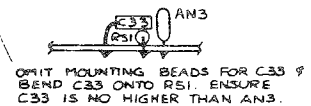
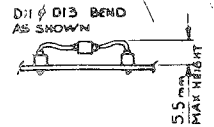
MAKE LINKS FROM TINNED COPPER WIRE 540002

MOUNT F2, F3, D11 & D13 ON SMALL CERAMIC BEADS 630036 8 OFF

15 OFF LARGE CLOVERLEAF TERMINAL 620005.

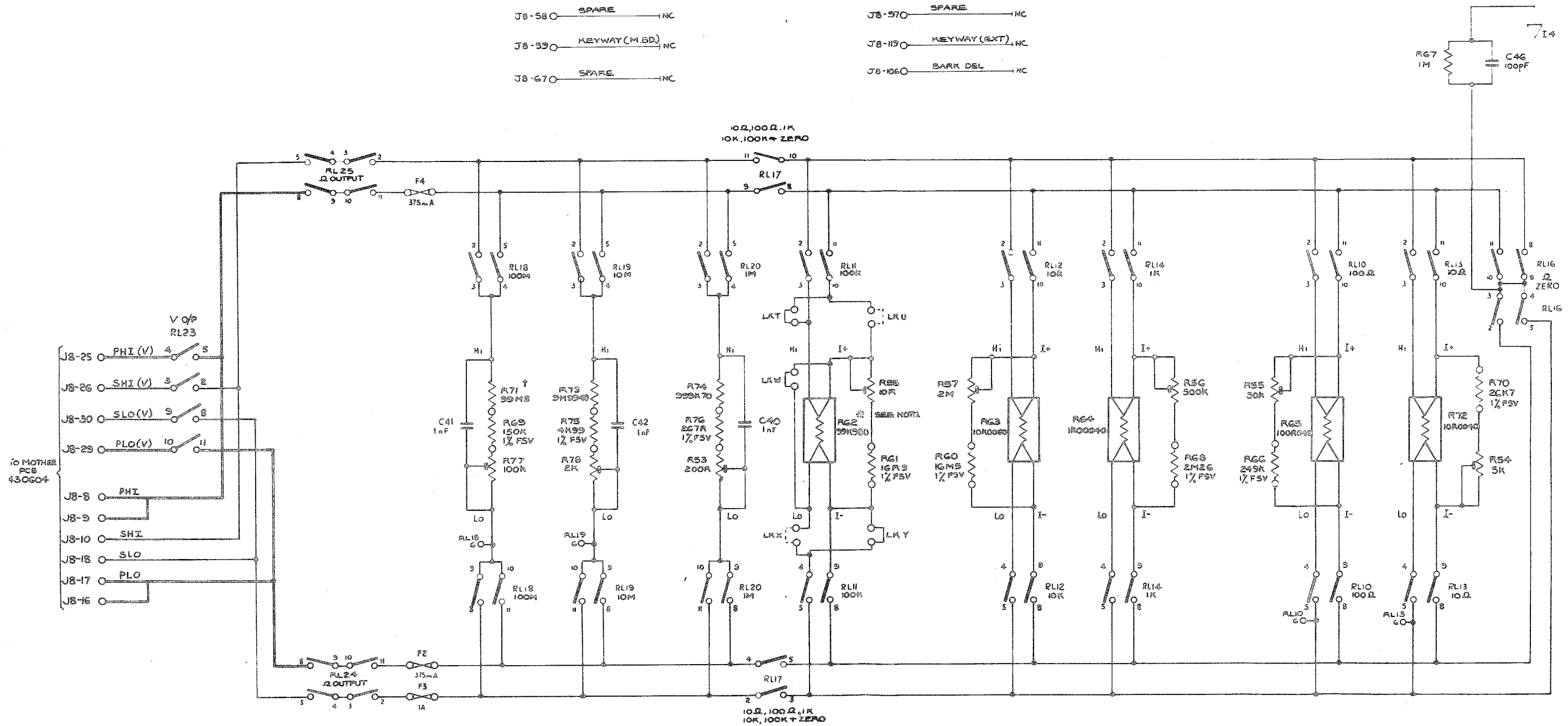
16 OFF SMALL CLOVERLEAF TERMINAL 620001

EASE WIRES INTO PATHS BETWEEN COMPONENTS AS NEATLY AS POSSIBLE. SEE WIRING SCHEDULE TABLE FOR POINT TO POINT WIRING.



OHMS ASSEMBLY

J8-46	SPARE	INC
J8-47	SPARE	INC
J8-49	SPARE	INC
J8-55	REM SENSE	INC
J8-56	POSITIVE	INC
J8-57	SPARE	INC
J8-58	SPARE	INC
J8-59	KEYWAY (M.B.D.)	INC
J8-67	SPARE	INC
J8-68	SPARE	INC
J8-83	SPARE	INC
J8-84	SPARE	INC
J8-85	SPARE	INC
J8-90	SPARE	INC
J8-91	SPARE	INC
J8-97	SPARE	INC
J8-115	KEYWAY (EXT)	INC
J8-106	BARK DEL	INC



* NOTE R62 IS A 2-WIRE RESISTOR ON THE 4700.
 † ALTERNATIVE RESISTOR SET COMPRISES TWO 49 MS IN SERIES.

OHMS ASSEMBLY
 Standard Resistors and Switching

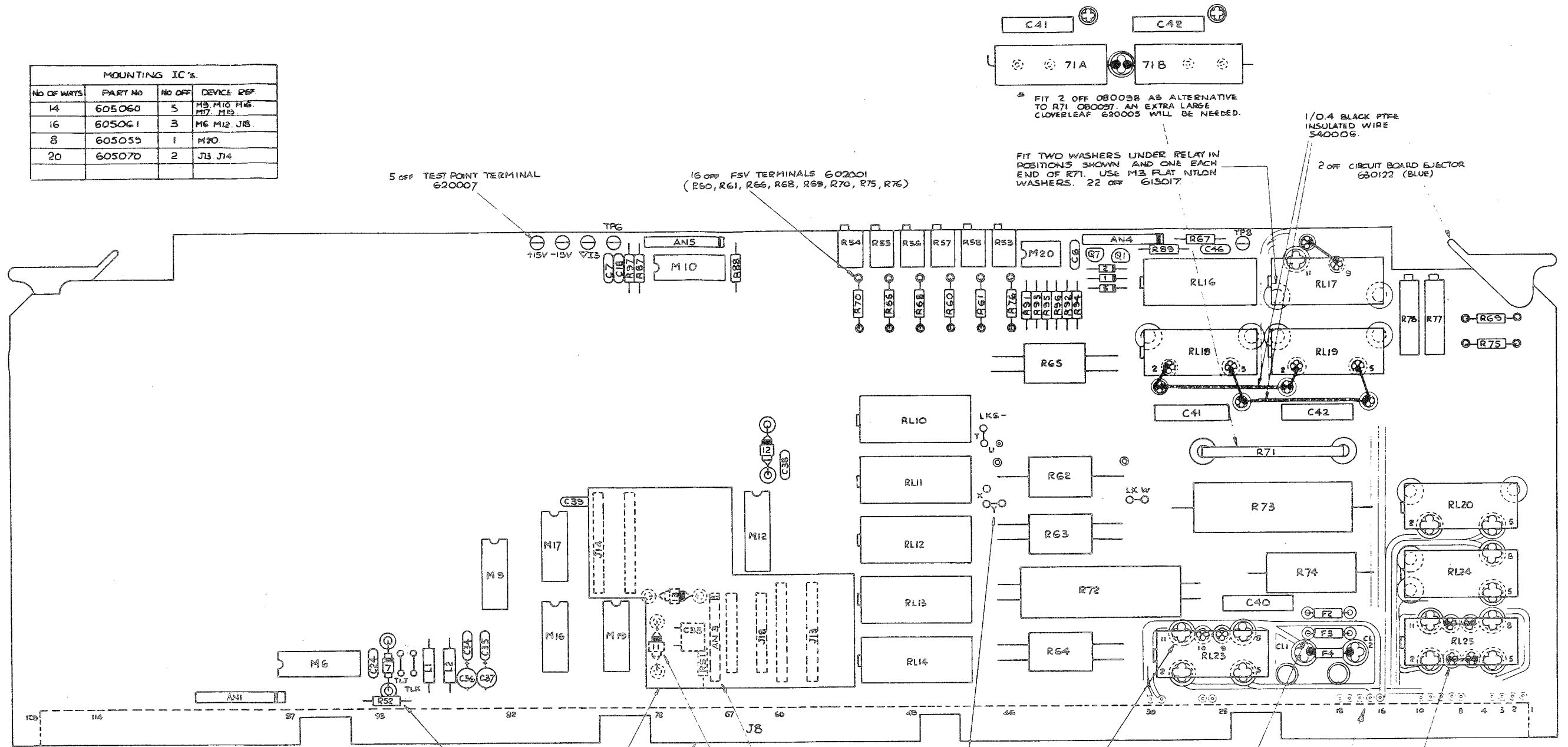
Circuit Diagram No. DC401047-1.0

Sheet 1



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MOUNTING IC's			
NO OF WAYS	PART NO	NO OFF	DEVICE REF
14	605060	5	M5, M10, M16, M17, M19
16	605061	3	M6, M12, J18
8	605059	1	M20
20	605070	2	J13, J14

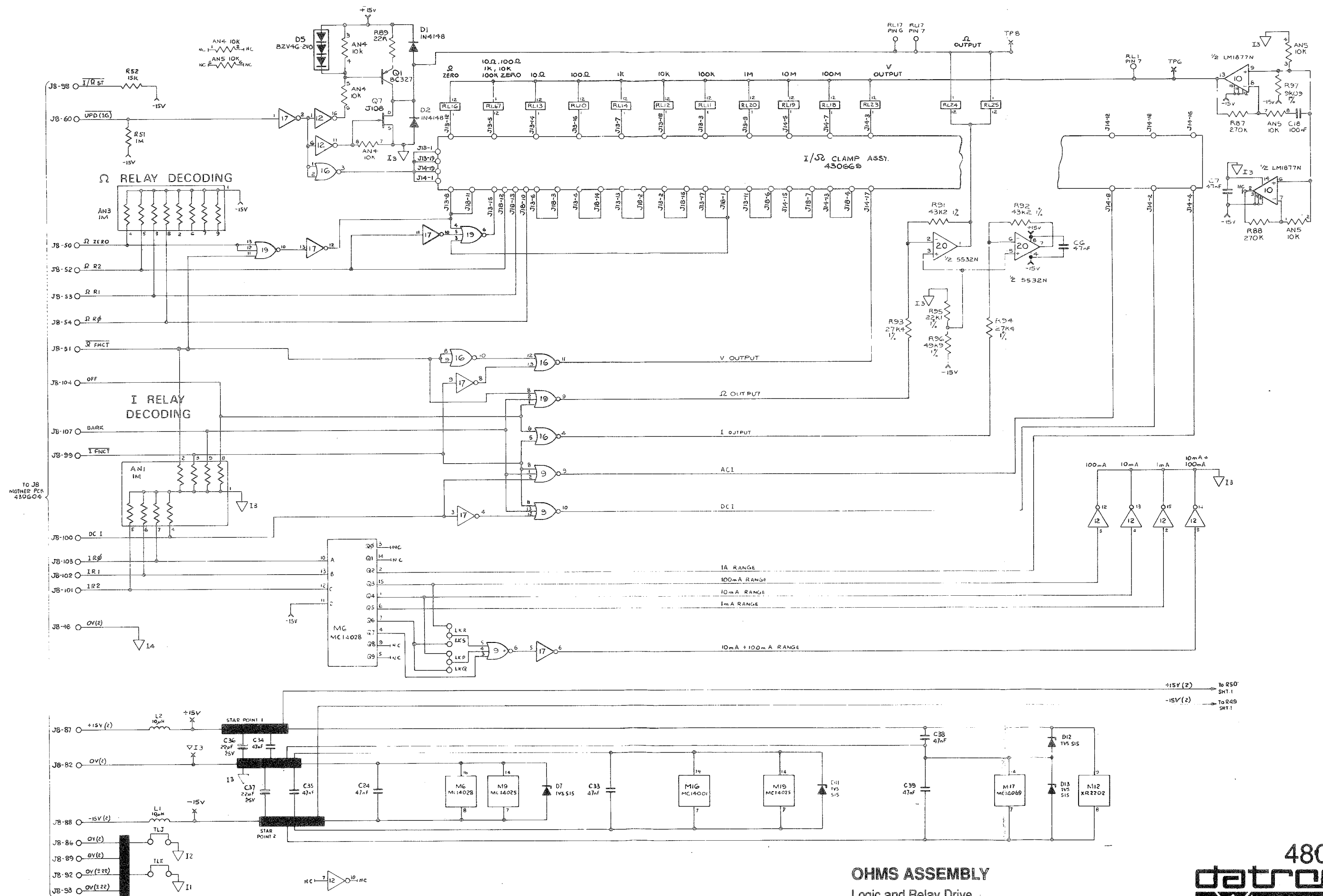


WIRING SCHEDULE			
WIRE COLOUR	RELAY / PIN	DESTINATION	WIRE LENGTH
ORG	RL23-10	J8-29	45
YEL	RL23-9	J8-30	45
BLU	RL23-2	J8-10	70
VLT	RL23-5	J8-8/9	60
GRY	RL18-2	RL17-11	70
WHT	RL17-9	RL18-5	100
BRN	RL18-5	CLOVERLEAF CL1	105
RED	RL18-2	RL25-2	130
ORG	RL19-2	RL20-2	80
YEL	RL20-5	RL19-5	70
VLT	RL24-8	J8-16/17	75
GRY	RL23-11	J8-16/17	75
WHT	RL23-8	J8-18	50
BRN	RL24-5	J8-18	60
RED	RL25-8	J8-8/9	50
YEL	RL25-5	J8-10	30
BRN	RL25-11	CLOVERLEAF CL2	30

NOTE: ALL RELAY WIRE CONNECTIONS TO BE MADE FROM 7/2 PTFE COVERED WIRE 512 P P S

OHMS ASSEMBLY





OHMS ASSEMBLY
Logic and Relay Drive

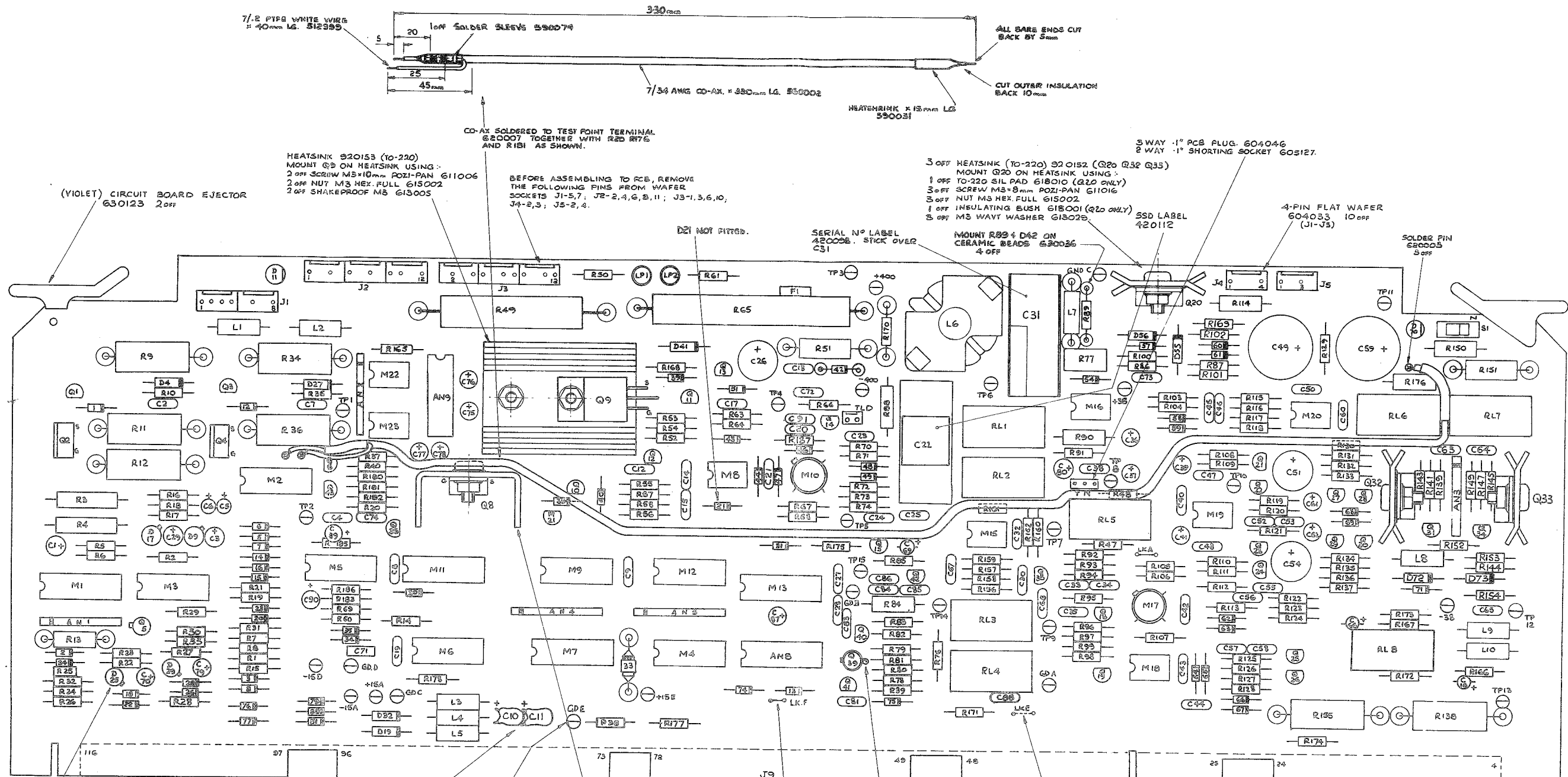
Circuit Diagram No. DC401047-1.0

Sheet 2



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11.8-9



7/2 PTFE WHITE WIRE
#40mm LG. 512359

10mm SOLDER SLEEVES 590074

330mm

7/34 AWG CO-AX. #380mm LG. 550002

HEATSHRINK x15mm LG 590031

ALL BARE ENDS CUT BACK BY 5mm

CUT OUTER INSULATION BACK 10mm

CO-AX SOLDERED TO TEST POINT TERMINAL 620007 TOGETHER WITH RED RT6 AND R151 AS SHOWN.

HEATSINK 920153 (10-220)
MOUNT Q9 ON HEATSINK USING:
2 OFF SCREW M3x10mm POZI-PAN 611006
2 OFF NUT M3 HEX FULL 615002
2 OFF SHAKEPROOF M3 613005

BEFORE ASSEMBLING TO PCB, REMOVE THE FOLLOWING PINS FROM WAFER SOCKETS J1-5,7; J2-2,4,6,B,11; J3-1,3,6,10; J4-2,3; J5-2,4.

3 OFF HEATSINK (10-220) 920152 (Q20 Q32 Q35)
MOUNT Q20 ON HEATSINK USING:
1 OFF 10-220 SIL PAD 618010 (Q20 ONLY)
3 OFF SCREW M3x8mm POZI-PAN 611016
3 OFF NUT M3 HEX FULL 615002
1 OFF INSULATING BUSH 618001 (Q20 ONLY)
3 OFF M3 WASH WASHER 613029

3 WAY .1" PCB PLUG. 604046
2 WAY .1" SHORTING SOCKET 605127.

4-PIN FLAT WAFER 604033 10 OFF (J1-J5)

(VIOLET) CIRCUIT BOARD EJECTOR 630123 2 OFF

D21 NOT FITTED.

SERIAL N° LABEL 420008. STICK OVER C31

MOUNT R89 & D42 ON CERAMIC BEADS 630026 4 OFF

SSD LABEL 420112

SOLDER PIN 620005 3 OFF

MOUNT D9, D17, D25 & D29 ON TOP MOUNTING PADS 618004. 4 OFF.

PCB 410335-4

LAY C10 & C11 AS FLAT TO PCB AS POSSIBLE.

TEST POINT TERMINAL 620007 29 OFF

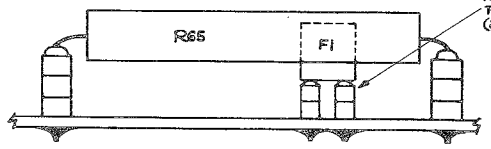
HEATSINK (10-220) 920091
MOUNT Q8 ON HEATSINK USING:
SCREW M3x8mm POZI-PAN 611016
NUT M3 HEX FULL 615002
M3 SHAKEPROOF 613005
M3 PLAIN WASHER 613007

ALL LINKS, 22SWG TRIMED CO WIRE 540002.

SPRING IS NOT TO BE REMOVED FROM Q55 UNTIL BOARD IS TESTED

LINK 'E' NOT FITTED.

MOUNTING I.C.'s			
NO OF LINKS	PART N°	NO OFF	WAGER USED
8	605059	8	M15, M16, M18, M19, M20, M22, M23, M8
14	605060	7	M2, M3, M4, M5, M6, M9, M12
16	605061	4	M1, M7, M11, M13.



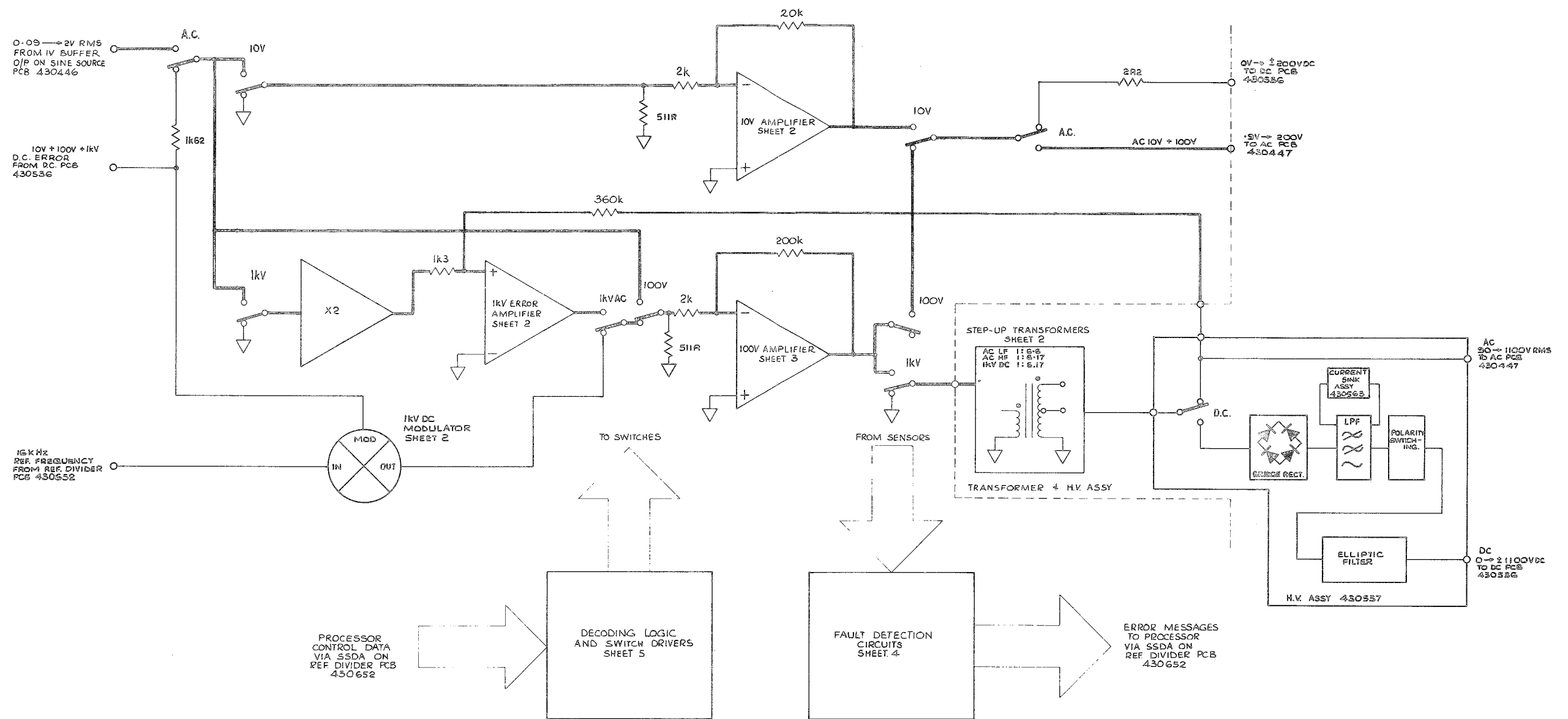
MOUNT FI ADJACENT TO R65 ON BEADS 630026 (2 PER LEAD)

MOUNTING BEADS 630026 (52 OFF)	
BEADS PER LEAD	COMPONENTS
1	R13, R51, R151, R170, D33, L7.
2	R9, R11, R12, R34, R36, R138, R155
3	R40, R65

NB: THE FOLLOWING COMPONENTS TO HAVE 10 OFF GLASS BEAD 630243 ON EACH LEG. (TOTAL 26 BEADS)
C8, C9, C13, C14, C19, C21, C27, C28, C32, C42, C43, C60 & C65.



POWER AMPLIFIER ASSEMBLY

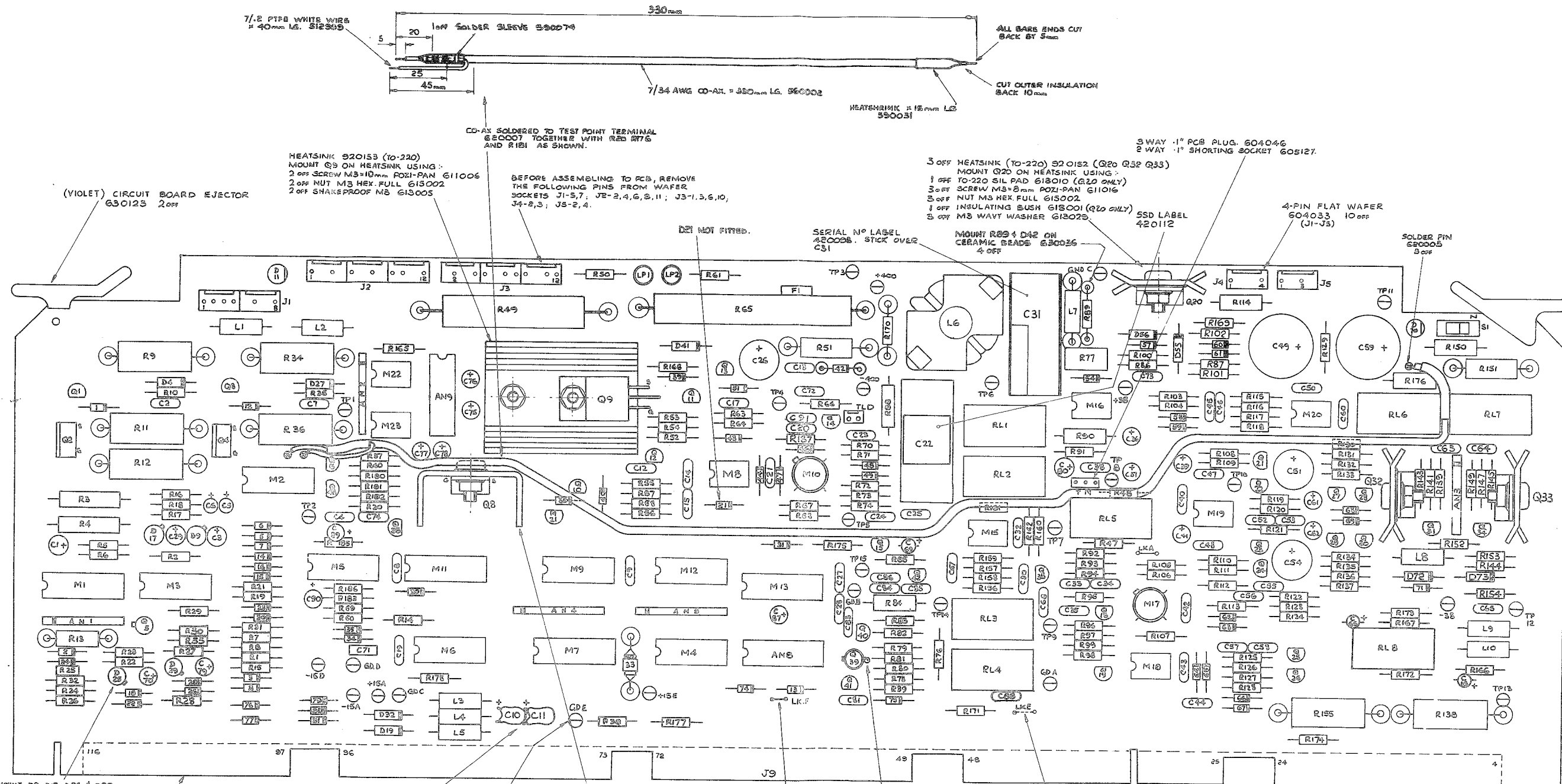


4808
POWER AMPLIFIER ASSEMBLY
 Block Diagram

Circuit Diagram No. 430618-6.0 Sheet 1



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7/8 PTFE WHITE WIRE # 40mm LG. 512303
 20mm
 25mm
 45mm
 330mm
 10mm SOLDER SLEEVE 530074
 7/34 AWG CO-AX. # 350mm LG. 060002
 HEATSINK # 15mm LG. 530031
 ALL BARE ENDS CUT BACK BY 5mm
 CUT OUTER INSULATION BACK 10mm

(VIOLET) CIRCUIT BOARD EJECTOR 630123 2 OFF

HEATSINK 920153 (TO-220)
 MOUNT Q9 ON HEATSINK USING:
 2 OFF SCREW M3x10mm POZI-PAN 611006
 2 OFF NUT M3 HEX FULL 613002
 2 OFF SHAKEPROOF M3 613005

BEFORE ASSEMBLING TO PCB, REMOVE THE FOLLOWING PINS FROM WAFER SOCKETS J1-5,7; J2-2,4,6,8,11; J3-1,3,6,10; J4-2,3; J5-2,4.

3 OFF HEATSINK (TO-220) 920152 (Q20 Q32 Q33)
 MOUNT Q20 ON HEATSINK USING:
 1 OFF TO-220 SIL PAD 618010 (Q20 ONLY)
 3 OFF SCREW M3x8mm POZI-PAN 611016
 3 OFF NUT M3 HEX FULL 613002
 1 OFF INSULATING BUSH 613001 (Q20 ONLY)
 3 OFF M3 WAVY WASHER 613025

3 WAY .1" PCB PLUG. 604046
 2 WAY .1" SHORTING SOCKET 605127

4-PIN FLAT WAFER 604033 10 OFF (J1-J5)

SOLDER PIN 630005 3 OFF

SERIAL NO LABEL 430008. STICK OVER C31

MOUNT R65 & D42 ON CERAMIC BEADS 630026 4 OFF

SSD LABEL 420112

D21 NOT FITTED.

MOUNT D9, D17, D25 & D29 ON T016 MOUNTING PADS 618004. 4 OFF.

PCB 410333-4

LAY C10 & C11 AS FLAT TO PCB AS POSSIBLE.

TEST POINT TERMINAL 620007 29 OFF

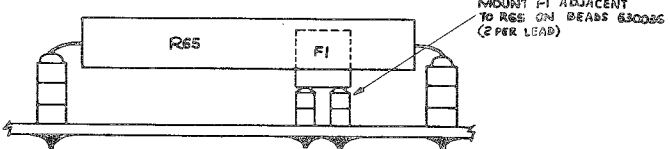
HEATSINK (TO-220) 920091
 MOUNT Q8 ON HEATSINK USING:
 SCREW M3x8mm POZI-PAN 611016
 NUT M3 HEX FULL 613002
 M3 SHAKEPROOF 613005
 M3 PLAIN WASHER 613007

ALL LINKS, 22SWG THINNED CU WIRE 540002.

SPRING IS NOT TO BE REMOVED FROM Q35 UNTIL BOARD IS TESTED

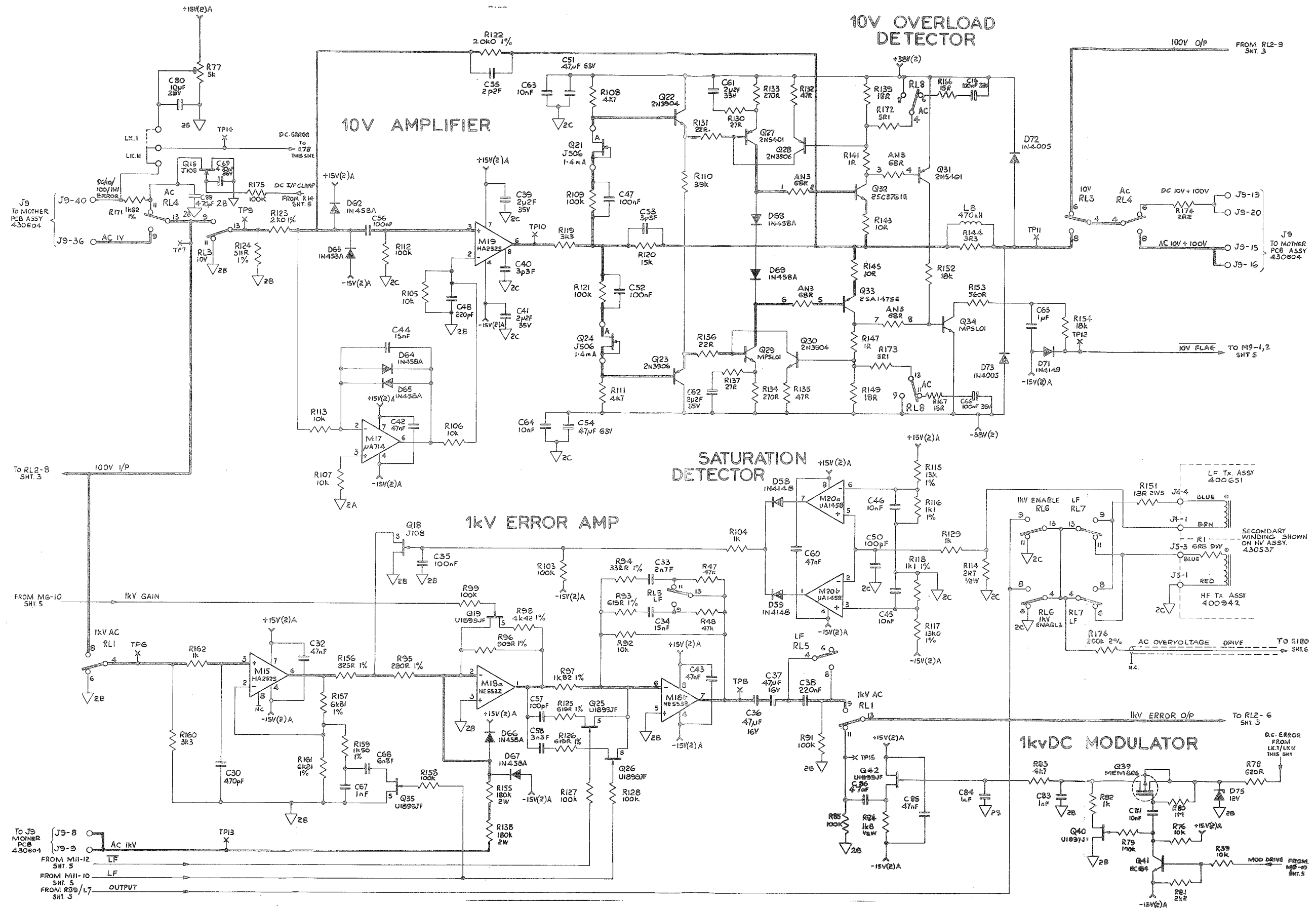
LINK 'E' NOT FITTED.

MOUNTING I.C.'s				
NO OF PINS	PART NO	NO OFF	WHERE USED	
8	605059	8	M15, M16, M18, M19, M20, M22, M23, M8	
14	605060	7	M2, M3, M4, M5, M6, M9, M12	
16	605061	4	M1, M7, M11, M13	



MOUNTING BEADS 630024 (52 OFF)	
BEAD #	COMPONENTS
1	R13, R51, R51, R170, D33, L7
2	R9, R11, R12, R34, R36, R38, R155
3	R40, R65

NOTE: THE FOLLOWING COMPONENTS TO HAVE 1 OFF GLASS BEAD 630243 ON EACH LEG. (TOTAL 26 BEADS)
 C8, C9, C13, C14, C19, C21, C27, C28, C32, C42, C43, C60 & C85.



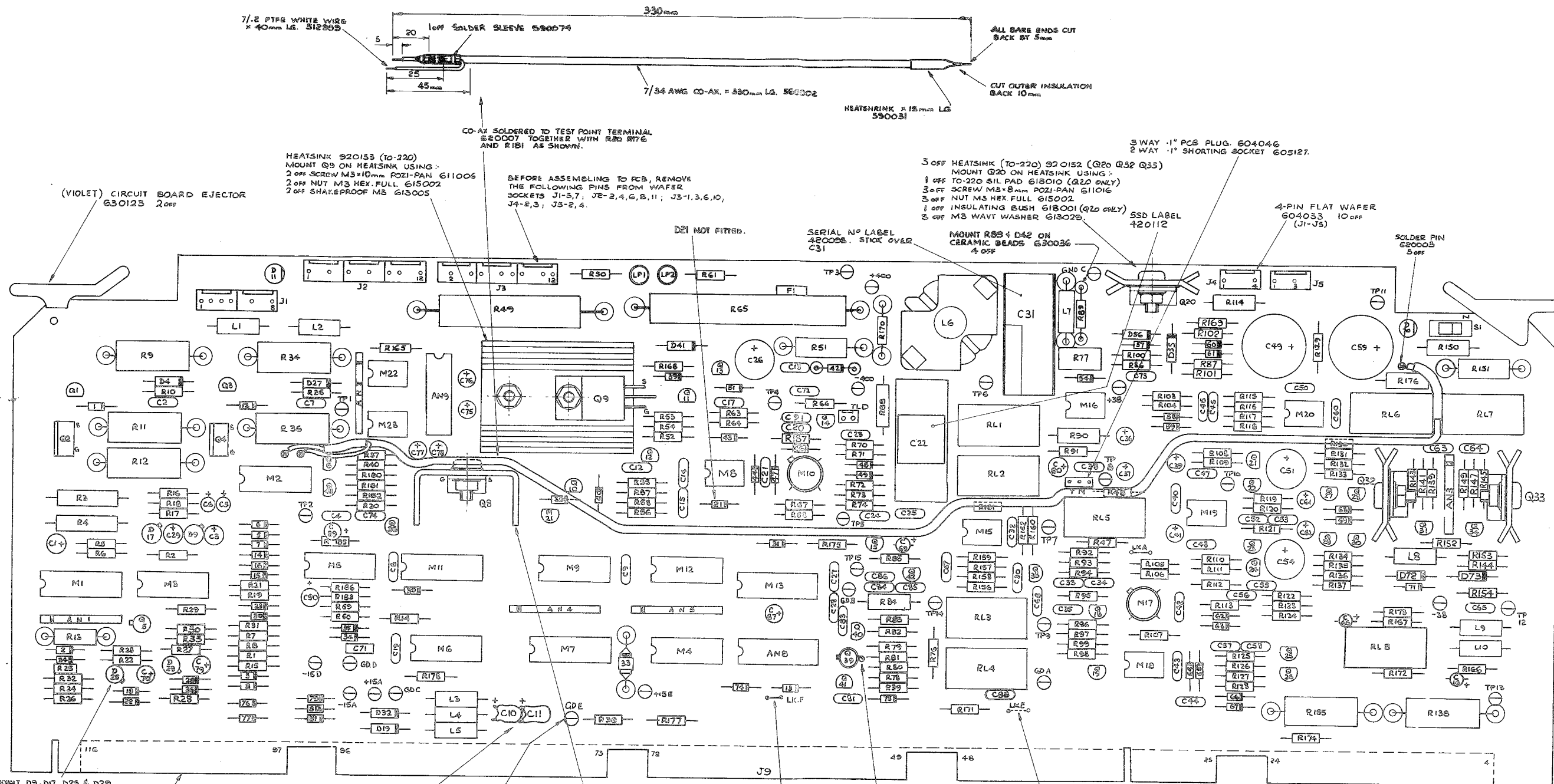
POWER AMPLIFIER ASSEMBLY

10V and 1kV Amplifiers

Circuit Diagram No. 430618-6.1 Sheet 2



© Datron Instruments 1991



7/8 PTFE WHITE WIRE
#40mm LG. 512509

10mm SOLDER SLEEVE 590074

330mm

ALL BARE ENDS CUT
BACK BY 5mm

7/34 AWG CO-AX. # 330mm LG. 860002

HEATSINK # 15mm LG
590031

CUT OUTER INSULATION
BACK 10mm

CO-AX SOLDERED TO TEST POINT TERMINAL
G20007 TOGETHER WITH RES R76
AND R181 AS SHOWN.

3 WAY .1" PCB PLUG. 604046
2 WAY .1" SHORTING SOCKET 605127.

HEATSINK 920153 (TO-220)
MOUNT Q9 ON HEATSINK USING:
2 OFF SCREW M3x10mm POZI-PAN 611006
2 OFF NUT M3 HEX FULL 615002
2 OFF SHAKEPROOF M3 613005

BEFORE ASSEMBLING TO PCB, REMOVE
THE FOLLOWING PINS FROM WAFER
SOCKETS J1-5,7, J2-2,4,6,8,11, J3-1,3,6,10,
J4-2,3, J5-2,4.

3 OFF HEATSINK (TO-220) 920152 (Q20 Q32 Q33)
MOUNT Q20 ON HEATSINK USING:
1 OFF TO-220 SIL PAD 618010 (Q20 ONLY)
3 OFF SCREW M3x8mm POZI-PAN 611016
3 OFF NUT M3 HEX FULL 615002
1 OFF INSULATING BUSH 618001 (Q20 ONLY)
3 OFF M3 WAVY WASHER 613029.

4-PIN FLAT WAFER
604033 10 OFF
(J1-J3)

(VIOLET) CIRCUIT BOARD EJECTOR
630123 2 OFF

D21 NOT FITTED.

SERIAL NO LABEL
420058. STICK OVER
C31

MOUNT R89 & D42 ON
CERAMIC BEADS 630036
4 OFF

SSD LABEL
420112

SOLDER PIN
620005
5 OFF

MOUNT D9, D17, D25 & D29
ON TOP MOUNTING PADS
618004. 4 OFF.

PCB 410339-4

LAY C10 & C11 AS FLAT TO PCB
AS POSSIBLE.

TEST POINT TERMINAL
G20007 29 OFF

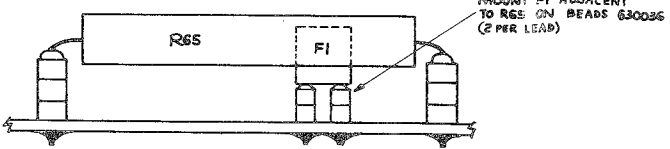
HEATSINK (TO-220) 920091
MOUNT Q8 ON HEATSINK USING:
SCREW M3x8mm POZI-PAN 611016
NUT M3 HEX FULL 615002
M3 SHAKEPROOF 613005
M3 PLAIN WASHER 613007

ALL LINKS, 22SWG
THIRD CO WIRE
542002.

SPRING IS NOT TO BE REMOVED
FROM Q35 UNTIL BOARD IS
TESTED

LINK 'E' NOT FITTED.

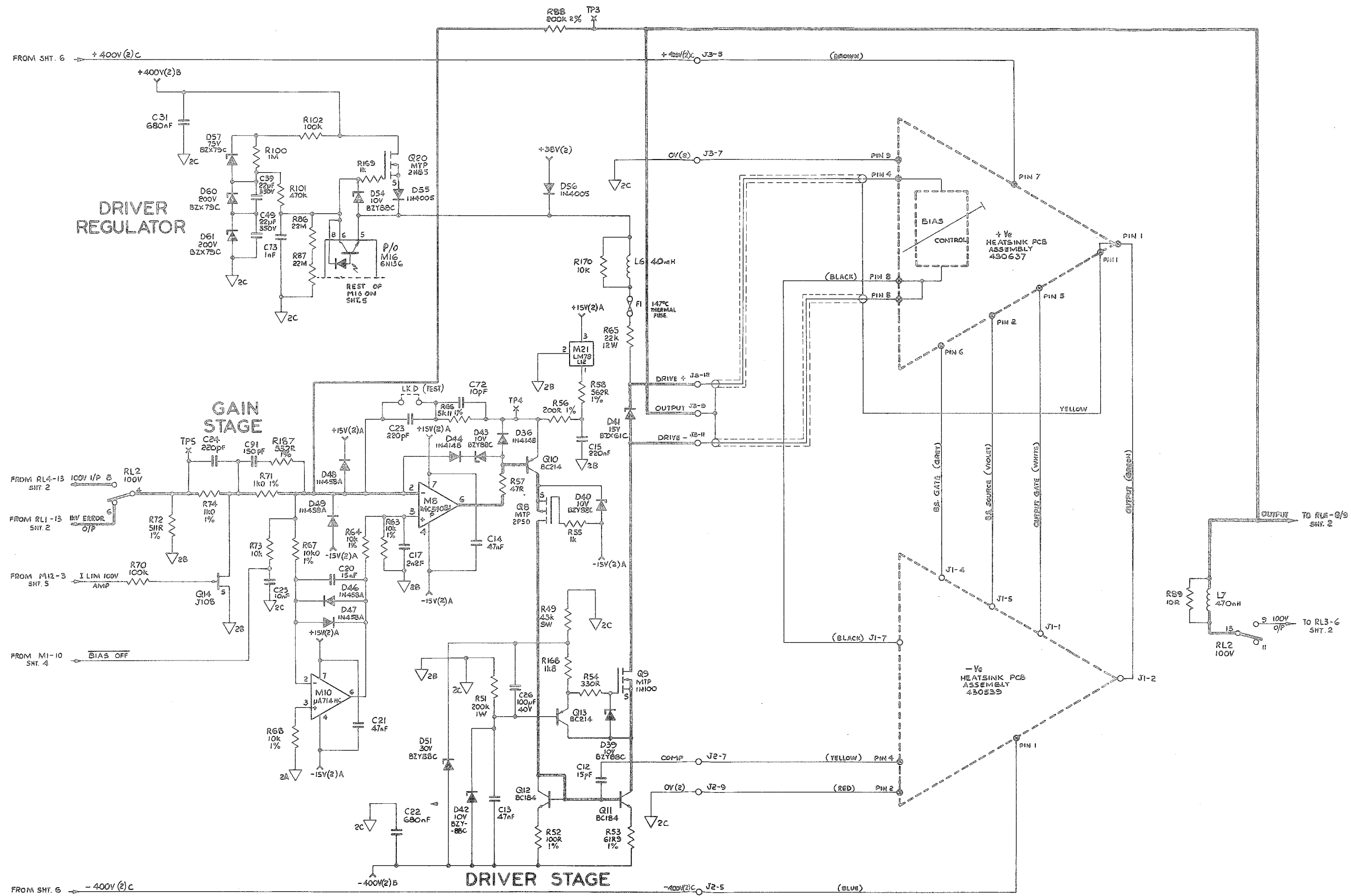
MOUNTING I.C.'s			
NO OF PINS	PART NO	NO OFF	WHERE USED
8	605059	8	M15, M16, M18, M19, M20, M22, M23, M8
14	605060	7	M2, M3, M4, M5, M6, M9, M12
16	605061	4	M1, M7, M11, M13.



MOUNT FI ADJACENT
TO R65 ON BEADS G30036
(2 PER LEAD)

MOUNTING BEADS G30024 (52 OFF)	
BEADS PER LEAD	COMPONENTS
1	R18, R51, R151, R170, D33, L7.
2	R9, R11, R12, R34, R36, R138, R155
3	R49, R65.

NB. THE FOLLOWING COMPONENTS TO HAVE 10 OFF
GLASS BEAD G30243 ON EACH LEG. (TOTAL 26 BEADS)
C8, C9, C13, C14, C19, C21, C27, C28, C32,
C42, C43, C60 & C85.

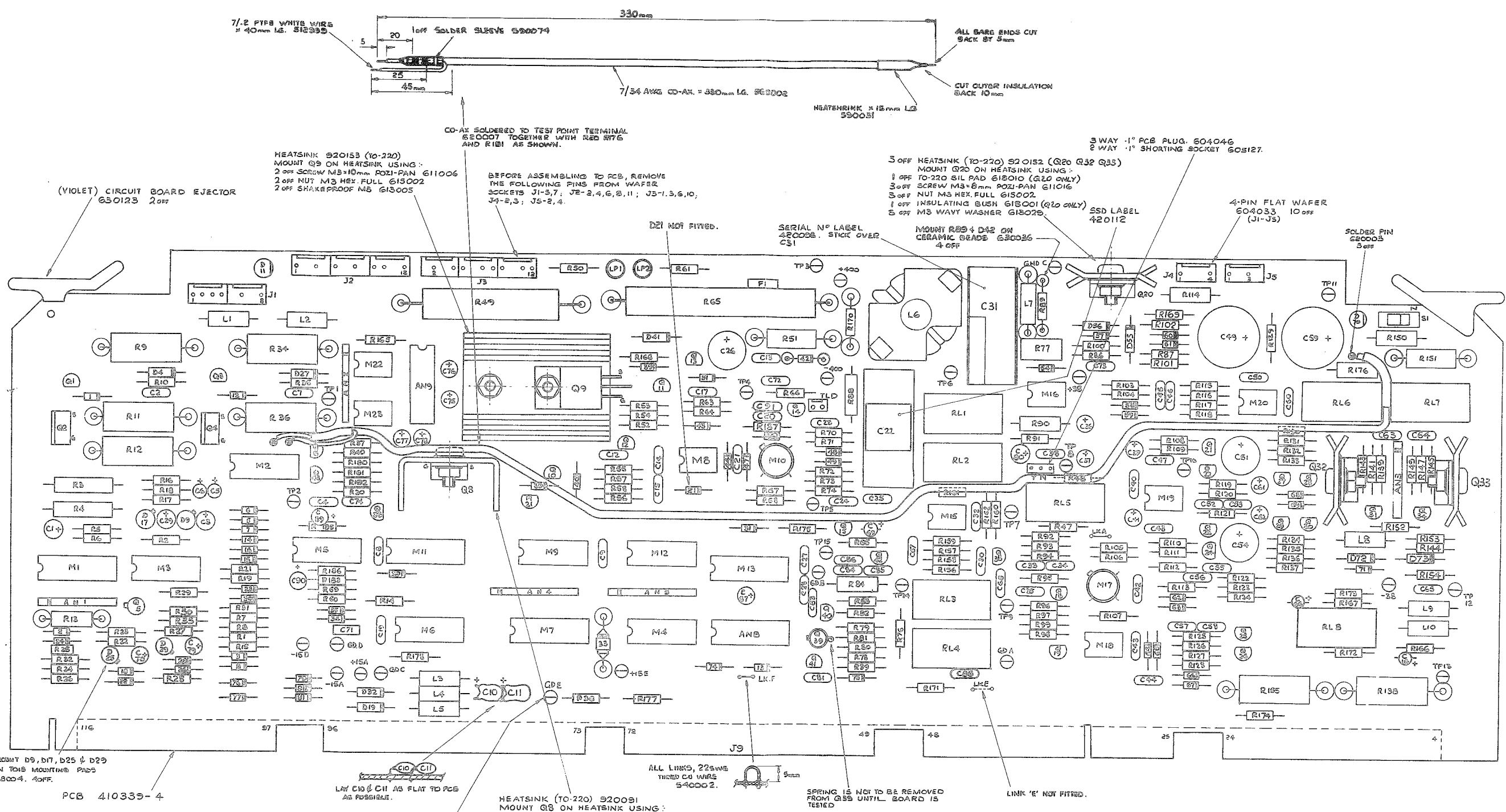


POWER AMPLIFIER ASSEMBLY
100V Amplifier

Circuit Diagram No. 430618-6.1 Sheet 3

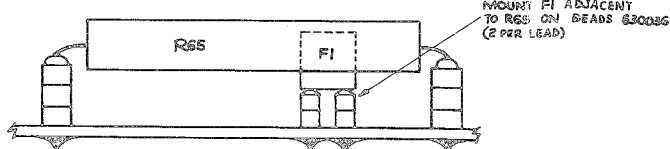


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MOUNTING I.C.'s

NO OF PINS	PART NO	NO OFF	WAGER USED
8	605059	8	M15, M16, M18, M19, M20, M22, M23, M28
14	605060	7	M2, M3, M4, M5, M6, M8, M12
16	605061	4	M1, M7, M11, M13

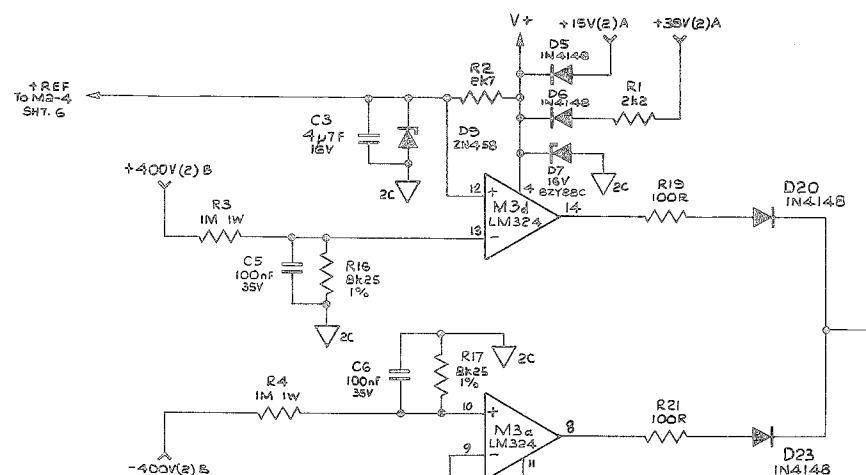


MOUNTING BEADS 630024 (52 OFF)

BEADS PER LEAD	COMPONENTS
1	R13, R51, R51, R170, D33, L7
2	R9, R11, R12, R34, R35, R138, R155
3	R40, R65

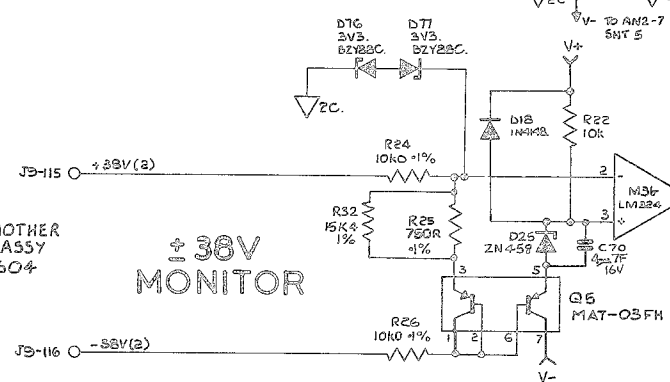
NOTE: THE FOLLOWING COMPONENTS TO HAVE 10mm GLASS BEAD 630243 ON EACH LEG. (TOTAL 26 BEADS)
 C8, C9, C13, C14, C19, C21, C27, C28, C32, C42, C43, C60 & C65.

± 400V
MONITOR

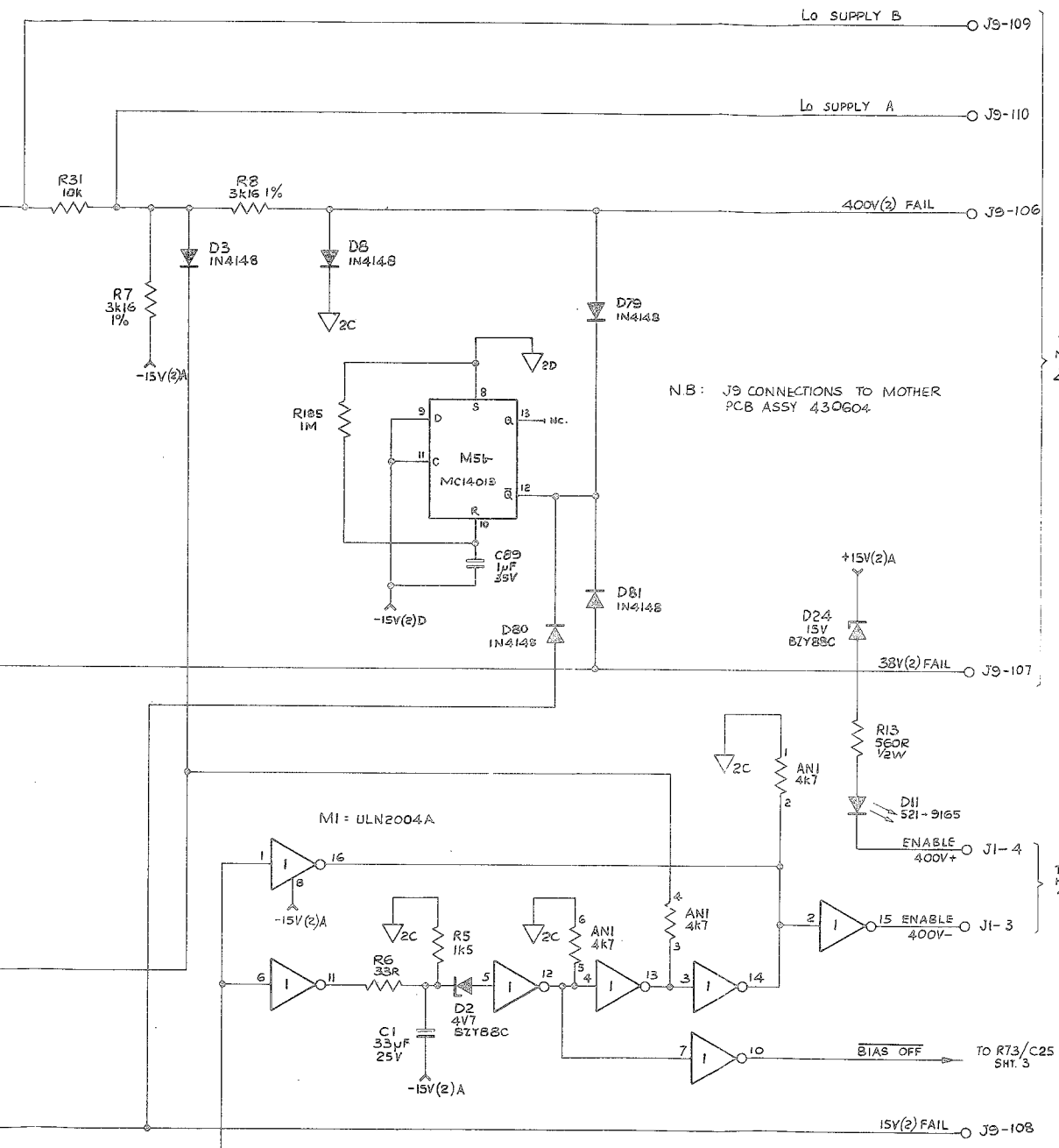
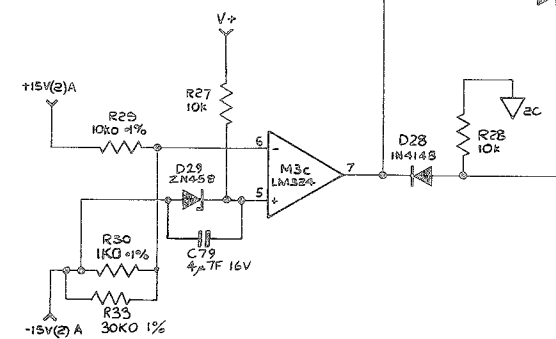


J9 TO MOTHER
PCB ASSY
430604

± 38V
MONITOR



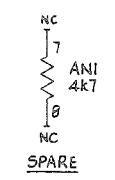
± 15V
MONITOR



N.B: J9 CONNECTIONS TO MOTHER
PCB ASSY 430604.

TO J9
MOTHER PCB
ASSY
430604

TO PS 1.
HEAT-SINK ASSY.
430540



FROM R69
SHT. 5 PS 1 OFF

POWER AMPLIFIER ASSEMBLY
Power Supply Monitors

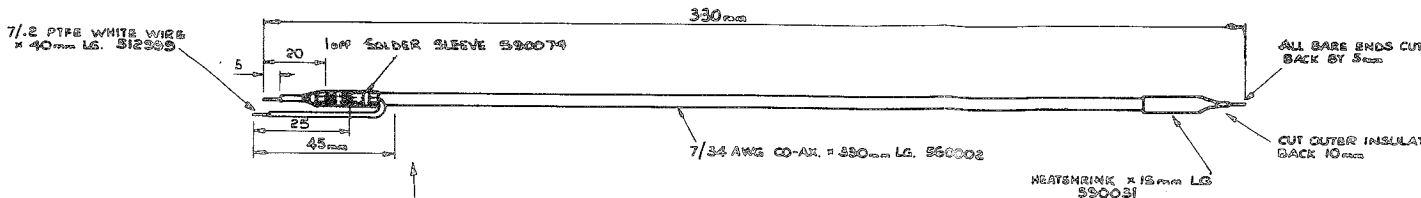
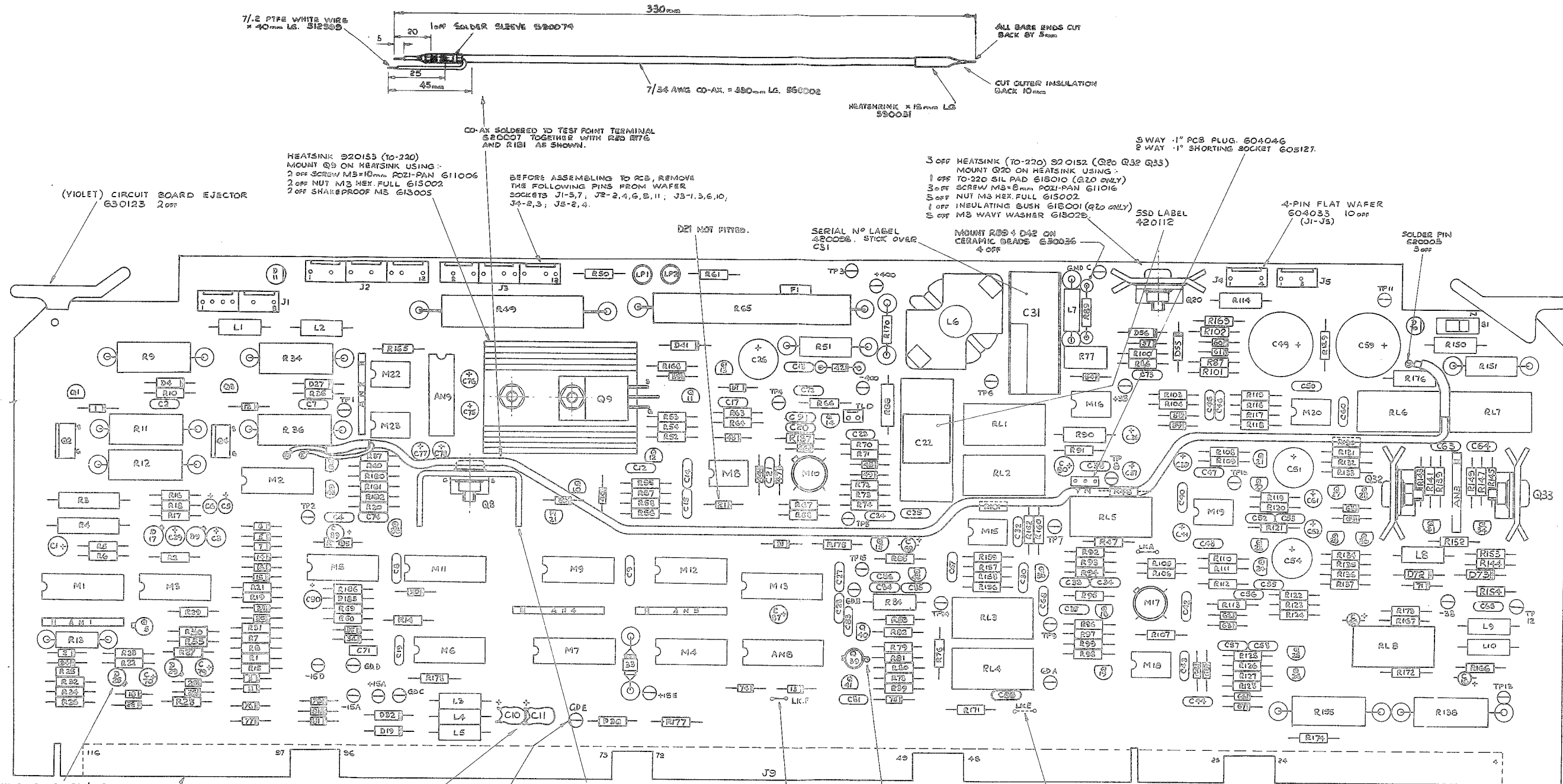
Circuit Diagram No. 430618-6.1 Sheet 4



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4808

11.9-4



(VIOLET) CIRCUIT BOARD EJECTOR
630123 2 off

HEATSINK 920153 (10-220)
MOUNT Q9 ON HEATSINK USING:
2 off SCREW M3x10mm POZI-PAN 611006
2 off NUT M3 HEX FULL 615002
2 off SHAKEPROOF M3 613005

BEFORE ASSEMBLING TO PCB, REMOVE THE FOLLOWING PINS FROM WAFER SOCKETS J1-5,7; J2-2,4,6,8,11; J3-1,3,6,10; J4-2,3; J5-2,4.

3 off HEATSINK (10-220) 920152 (Q20 Q32 Q33)
MOUNT Q20 ON HEATSINK USING:
1 off TO-220 SIL PAD 618010 (Q20 ONLY)
3 off SCREW M3x8mm POZI-PAN 611016
3 off NUT M3 HEX FULL 615002
1 off INSULATING BUSH 618001 (Q20 ONLY)
5 off M3 WAVY WASHER 618029

3 WAY .1" PCB PLUG 604046
2 WAY .1" SHORTING SOCKET 605127

4-PIN FLAT WAFER 604033 10 off (J1-J5)

SOLDER PIN 620025 3 off

SERIAL NO LABEL 420026. STICK OVER C31

MOUNT Q25 & Q42 ON CERAMIC BEADS 630026 4 off

SSD LABEL 420112

D21 NOT FITTED.

MOUNT D9, D17, D25 & D29 ON THIS MOUNTING PAD 618004. 4 off.

PCB 410335-4

LAY C10 & C11 AS FLAT TO PCB AS POSSIBLE.

TEST POINT TERMINAL 620007 29 off

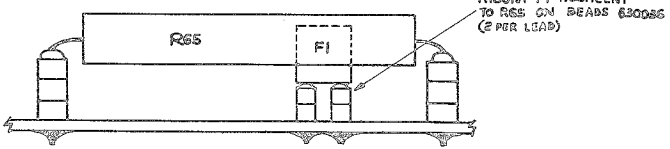
HEATSINK (10-220) 920091
MOUNT Q8 ON HEATSINK USING:
SCREW M3x8mm POZI-PAN 611016
NUT M3 HEX FULL 615002
M3 SHAKEPROOF 613005
M3 PLAIN WASHER 613007

ALL LINKS, 22AWG TINED CO WIRE 540002.

SPRING IS NOT TO BE REMOVED FROM Q33 UNTIL BOARD IS TESTED

LINK 'E' NOT FITTED.

MOUNTING I.C.'s				
NO OF PINS	PART NO	NO OFF	WAFER USED	
8	605059	8	M15, M16, M18, M19, M20, M22, M23, M28	
14	605060	7	M2, M3, M4, M5, M6, M9, M12	
16	605061	4	M1, M7, M11, M13	



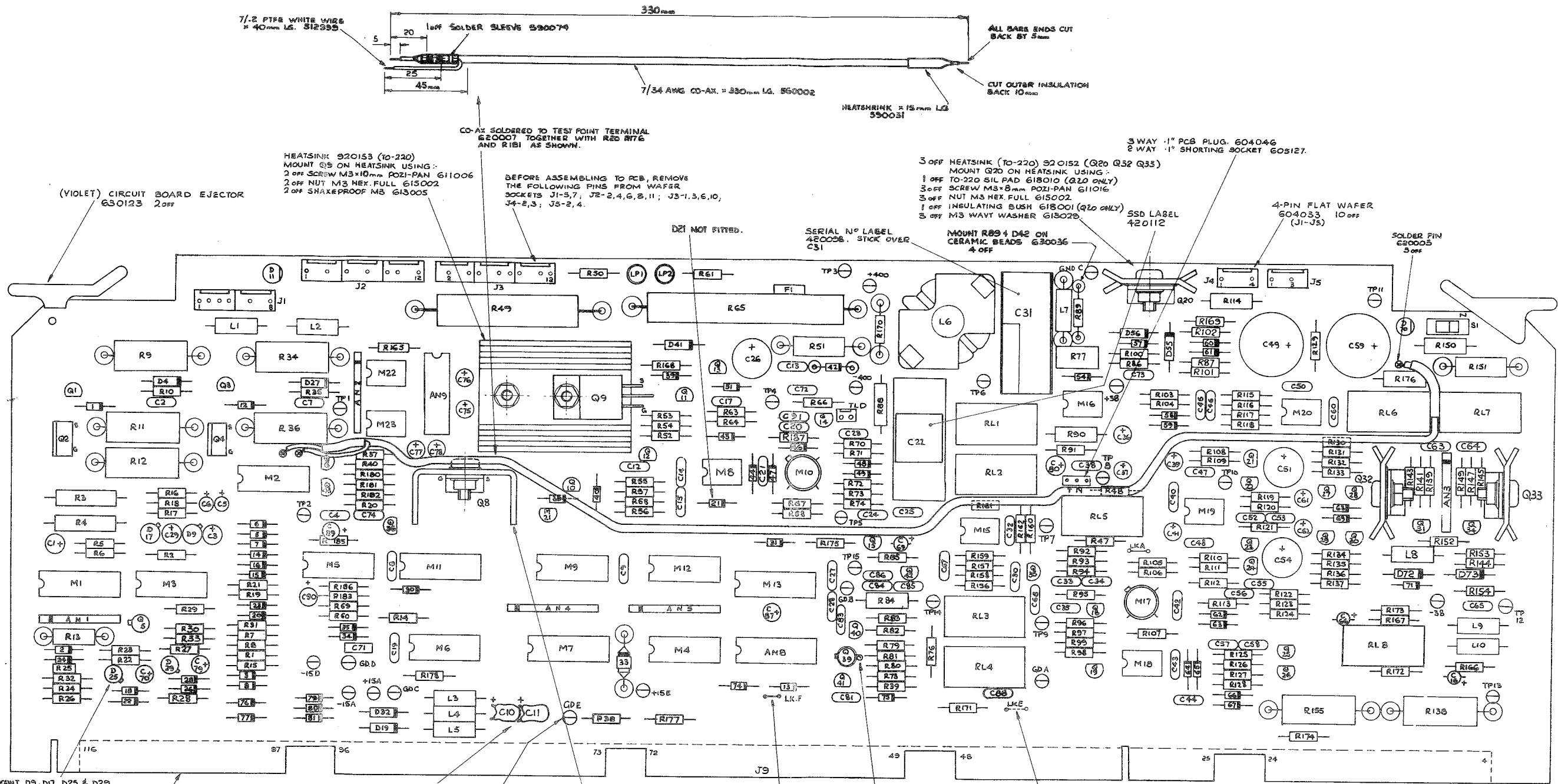
MOUNT FI ADJACENT TO RES ON BEADS 630026 (2 PER LEAD)

MOUNTING BEADS 630026 (52 off)	
BEAD OR LEAD	COMPONENTS
1	R10, R51, R51, R170, D33, L7
2	R9, R11, R12, R34, R36, R38, R155
3	R49, R65

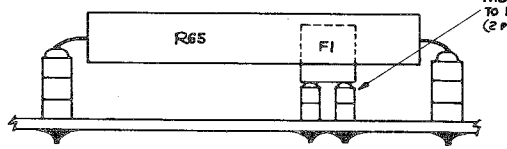
NB: THE FOLLOWING COMPONENTS TO HAVE 1 off GLASS BEAD 630243 ON EACH LEG. (TOTAL 26 BEADS)
C8, C9, C13, C14, C19, C21, C27, C28, C32, C42, C43, C60 & C85.



POWER AMPLIFIER ASSEMBLY



MOUNTING I.C.'s			
NO OF PINS	PART NO	NO OFF	WHERE USED
8	605059	8	M15, M16, M18, M19, M20, M22, M23, M8
14	605060	7	M2, M3, M4, M5, M6, M9, M12
16	605061	4	M1, M7, M11, M13



MOUNTING BEADS 630024 (52 OFF)	
BEADS PER LEAD	COMPONENTS
1	R13, R51, R51, R170, D33, L7
2	R9, R11, R12, R34, R36, R138, R155
3	R49, R65

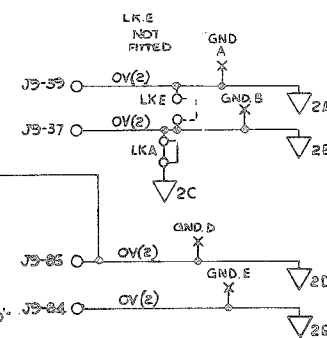
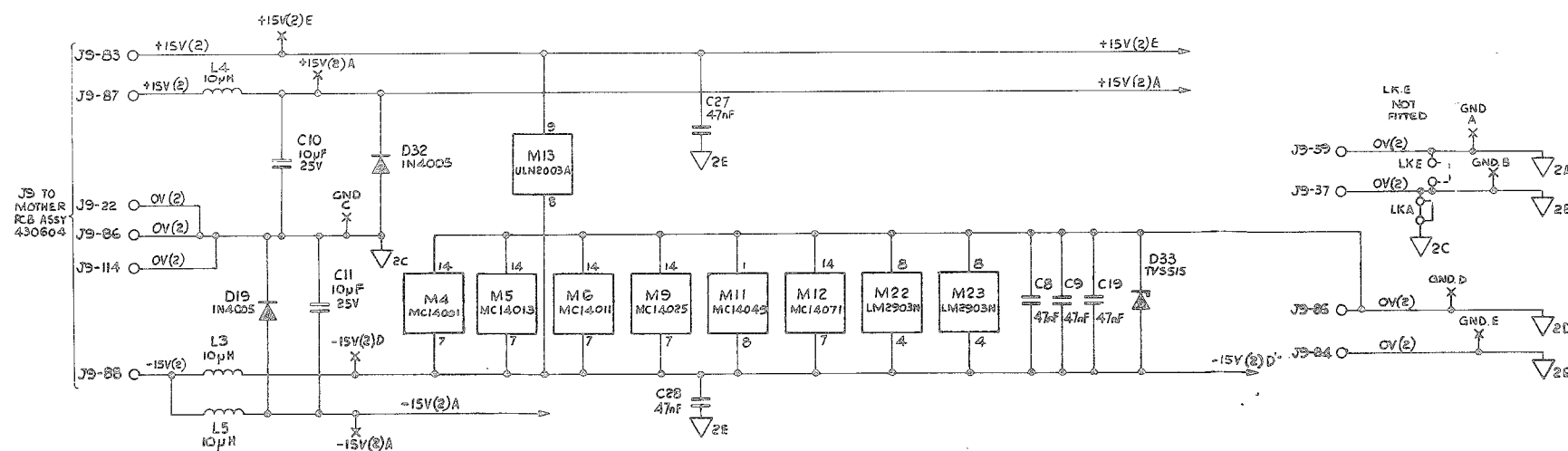
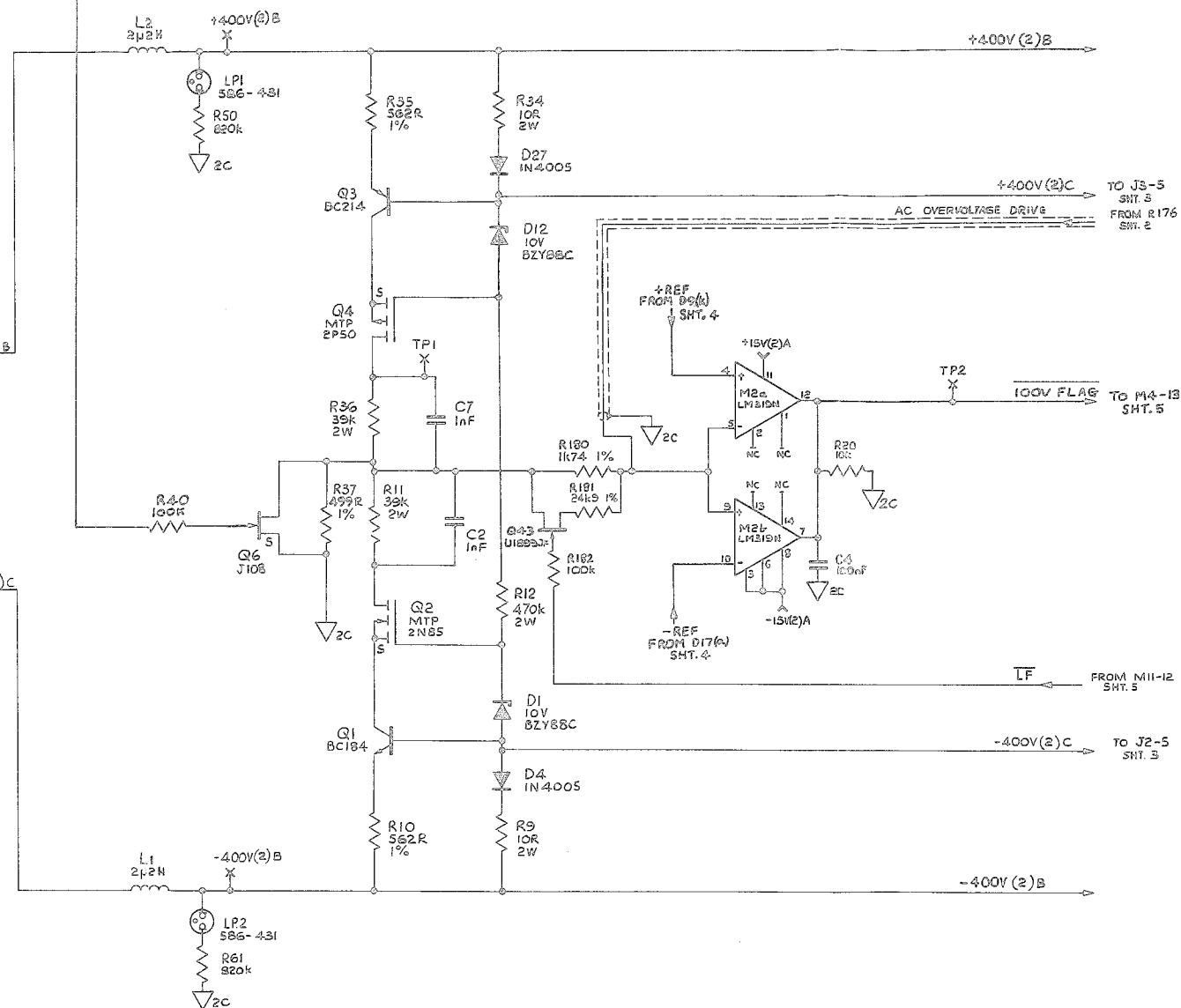
NB: THE FOLLOWING COMPONENTS TO HAVE 10mm GLASS BEAD 630243 ON EACH LEG. (TOTAL 26 BEADS)
C8, C9, C13, C14, C19, C21, C27, C28, C52, C42, C43, C60 & C85.

FROM M11-2 SHT. 5 100V AC

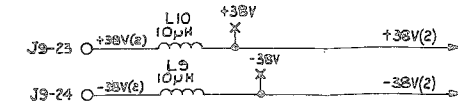
100V CURRENT SENSE + 1KV OVERVOLTS DETECTOR

- J9-4 ○ SPARE → NC
- J9-5 ○ SPARE → NC
- J9-26 ○ SPARE → NC
- J9-30 ○ SPARE → NC
- J9-38 ○ SPARE → NC
- J9-42 ○ SPARE → NC
- J9-55 ○ SPARE → NC
- J9-57 ○ FREQ. R1 → NC
- J9-58 ○ FREQ. R2 → NC
- J9-60 ○ OFF → NC
- J9-105 ○ SPARE → NC
- J9-111 ○ SPARE → NC
- J9-112 ○ SPARE → NC
- J9-113 ○ SPARE → NC

J1 to P50/I HEATSHK ASSY 430540.



NB: J9 CONNECTIONS TO MOTHER PCB ASSY. 430604



POWER AMPLIFIER ASSEMBLY
100V Overload Detector and Power Supplies



MAX SOLDER PIP HEIGHT 2mm
IN THIS AREA
D106, Q104, D104, C104
C103, TP105, D105

MOUNT C101, C106, C108 USING
SILICONE RUBBER COMPOUND 900004.

J31, J32 - MOUNT ON SOLDER SIDE OF PCB

611016
613005
615002
920144

611016
613005
615002

POSITION MOUNTING
PAD UNDER D104.

618004

630024 20

R101, D101, D102, D105,
D106, D107, D108, D109,
ONE BEAD PER LEAD.
R112 TWO BEADS PER LEAD.

N.B. USE HEAT SINK COMPOUND 900003
BETWEEN MATING SURFACES OF
TRANSISTORS AND HEATSINKS.
TIGHTEN TO A TORQUE OF 0.5 Nm.

920088

611006
613005
615002
613007

N.B. USE FLAT STEEL WASHERS UNDER
SCREW HEADS ON BACK OF PCB.

420126
920126

POSITION SSD LABEL HERE

420112

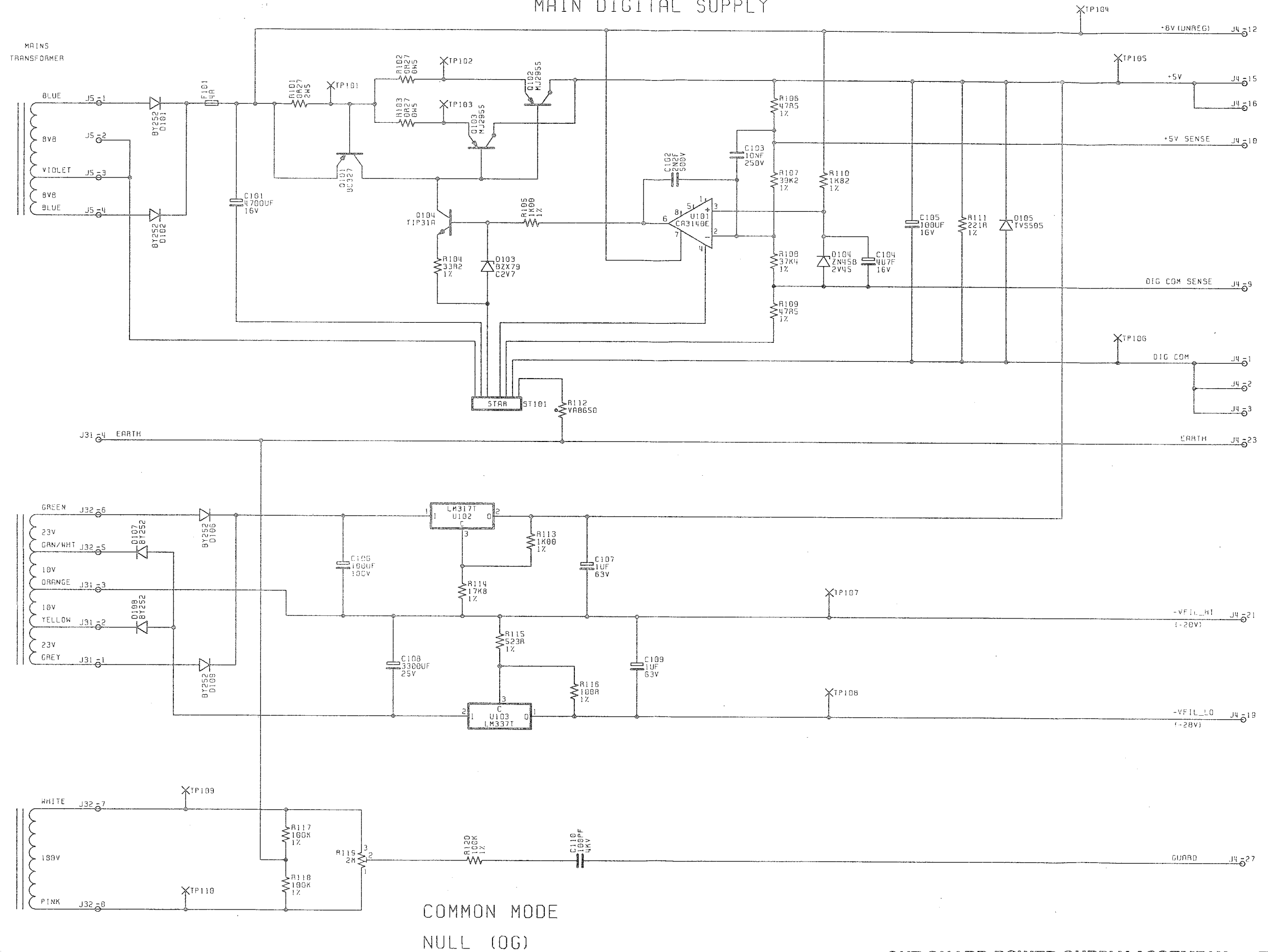
611016
613005
615002
920089

POSITION SERIAL LABEL HERE

420098

410468--A

MAIN DIGITAL SUPPLY



COMMON MODE
NULL (0G)

OUT-GUARD POWER SUPPLY ASSEMBLY
Main Digital Supply, Display Supply and Common Mode Null



BED C1 AND C2 IN SILICONE RUBBER (900004)

Fix SSD WARNING LABEL To C1 420112-1

4-WAY PLUG 604042 5 off

PCB: 410282-4

Fix SERIAL N° LABEL 420098 ON REVERSE SIDE.

TEST POINT TERMINAL 620007 12 off

6 off FUSE HOLDER 920126
2 off FUSE (4A. 5/8) 920128-F1,F2
2 off FUSE (3-5A 5/8) 920143-F3,F4
2 off FUSE (1A. 5/8) 920116-F5,F6

2 off HEATSINK 920142

MOUNT M1 AND M2 ONTO HEATSINKS WITH A SIL PAD 618010 2 off
SECURE WITH M3 X10mm POZI-PAN 611006
M3 WASHER 613007 (FIT UNDER SCREW HD)
M3 FULL HEX NUT 615002
M3 SHAKEPROOF 613005
INSULATING BUSH 618001 2 off.

3 off HEATSINK (TO 202) 920105

Q1,Q2, M3, M6-M9 FIXINGS:
8 off M3 X10mm POZI-PAN SCREW 611006
8 off M3 FULL HEX NUT 615002
8 off M3 SHAKEPROOF 613005.

NOTE:

USE HEATSINK COMPOUND (900008) BETWEEN MATING SURFACES OF Q2, M1-M3, M6-M9 AND THEIR RESPECTIVE HEATSINKS. A TORQUE OF 0.5 Nm SHOULD BE APPLIED TO TIGHTEN COMPONENT FIXINGS.

GLASS BEAD 630243 FITTED TO EACH LEG OF C12 C17-C20 6 off.

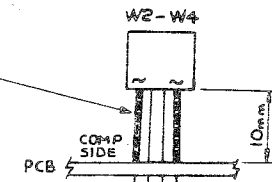
MOUNT R11-R16 ON CERAMIC BEADS 630024 12 off

1 off HEATSINK (TO 3) 920088.

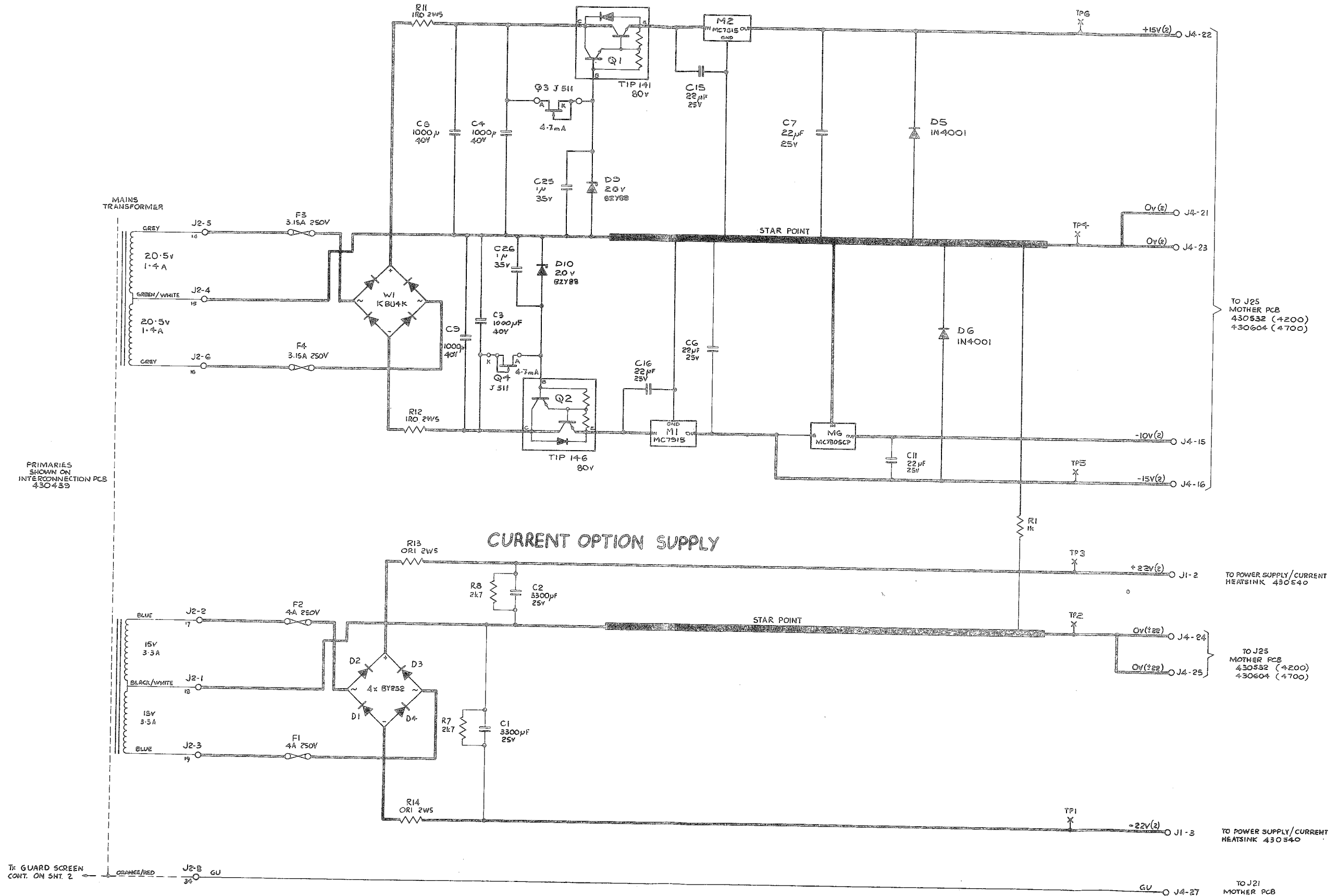
1 off M3 WASHER 613007 FIT UNDER SCREW HEAD.

1 off HEATSINK (TO 220) 920089.

SLEEVE BOTH AC (~) LEADS WITH 10mm SLEEVE 990004 THIS APPLIES TO W2, W3 AND W4. DEVICES USED SHOULD BE G.I. WORM.



IN GUARD COMMON 2 SUPPLIES



IN-GUARD POWER SUPPLY ASSEMBLY
Common-2 and Current Option Supplies



BED C1 AND C2 IN SILICONS RUBBER (900004)

FIX SSD WARNING LABEL TO C1 420112-1

4-WAY PLUG 604042 5 OFF

PC.B. 410282-4

FIX SERIAL N° LABEL 420098 ON REVERSE SIDE.

TEST POINT TERMINAL 620007 12 OFF

6 OFF FUSE HOLDER 920126
2 OFF FUSE (4A. 5/8) 920128-F1,F2
2 OFF FUSE (3-5A 5/8) 920143-F3,F4
2 OFF FUSE (1A. 5/8) 920146-F5,F6

2 OFF HEATSINK 920142

MOUNT M1 AND M2 ONTO HEATSINKS WITH A SIL PAD 618010 2 OFF
SECURE WITH M3 X 10mm POZI-PAN 611006
M3 WASHER 613007 (FIT UNDER SCREW HD)
M3 FULL HEX NUT 615002
M3 SHAKEPROOF 613005
INSULATING BUSH 618001 2 OFF.

3 OFF HEATSINK (TO202) 920105

Q1, Q2, M3, M6-M9 FIXINGS:
5 OFF M3 X 10mm POZI-PAN SCREW 611006
8 OFF M3 FULL HEX NUT 615002
8 OFF M3 SHAKEPROOF 613005

NOTE:

USE HEATSINK COMPOUND (900008) BETWEEN MATING SURFACES OF Q2, M1-M3, M6-M9 AND THEIR RESPECTIVE HEATSINKS. A TORQUE OF 0.5 Nm SHOULD BE APPLIED TO TIGHTEN COMPONENT FIXINGS.

GLASS BEAD 630243 FITTED TO EACH LEG OF C12 C17-C20 6 OFF.

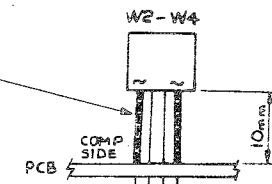
MOUNT R11-R16 ON CERAMIC BEADS 630024 12 OFF

1 OFF HEATSINK (TO3) 920088.

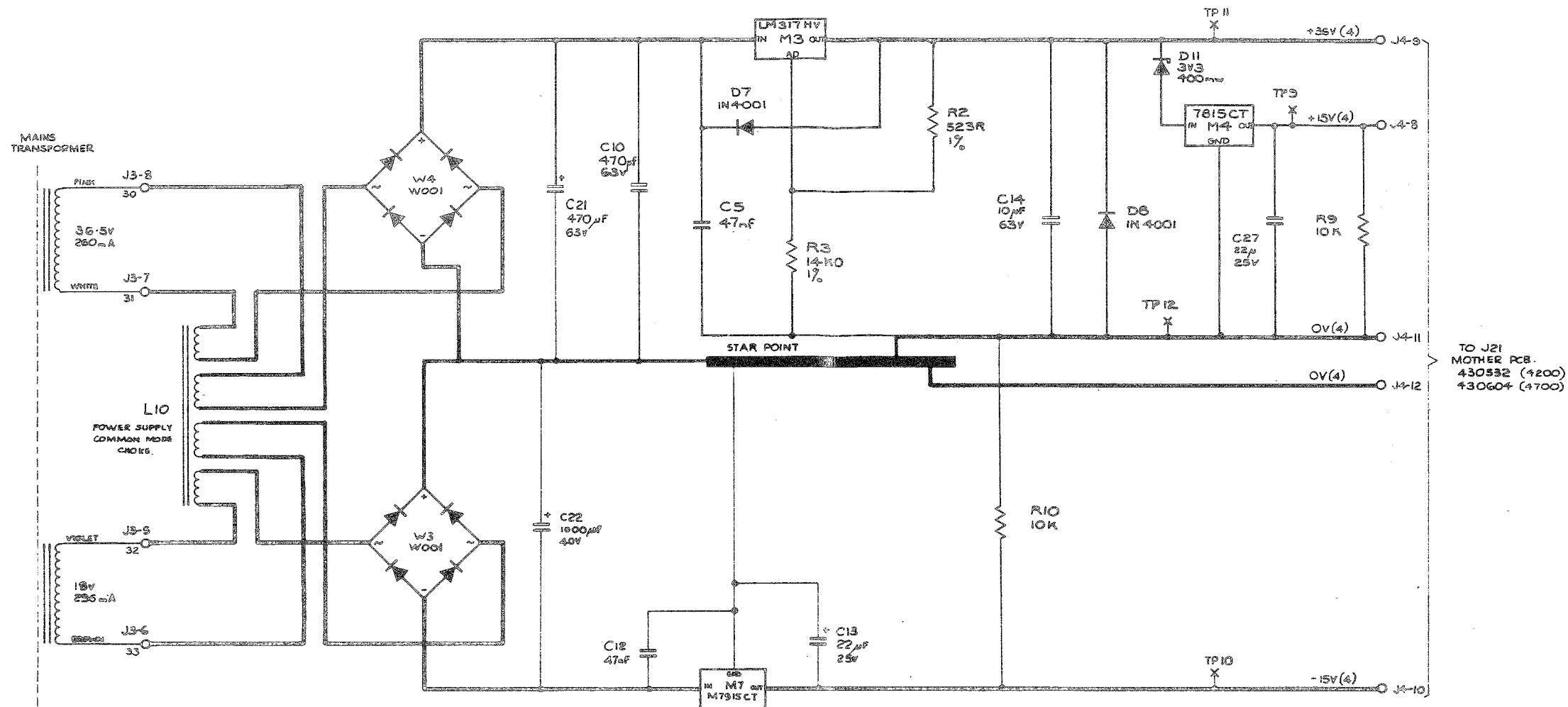
1 OFF M3 WASHER 613007 FIT UNDER SCREW HEAD.

1 OFF HEATSINK (TO220) 920085.

SLEEVE BOTH AC (~) LEADS WITH 10mm SLEEVE 590004 THIS APPLIES TO W2, W3 AND W4. DEVICES USED SHOULD BE G.I. WORM.



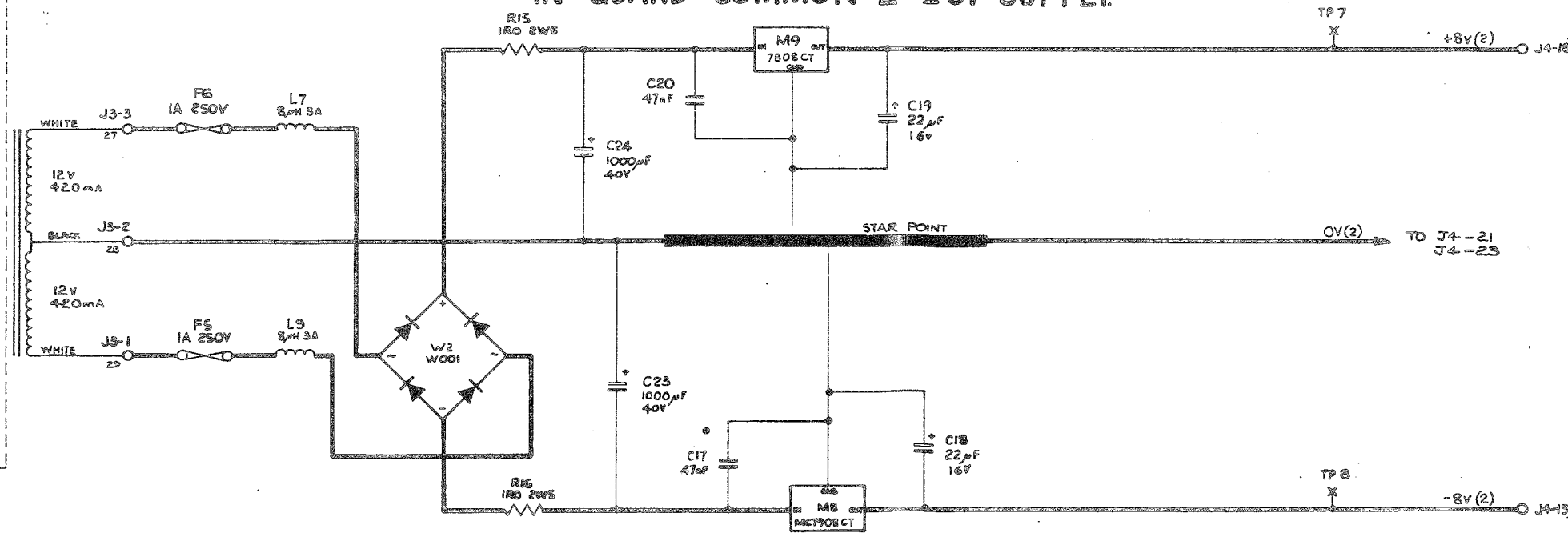
REFERENCE DIVIDER COMMON 4 SUPPLIES



TO J21
MOTHER PCB
430532 (+200)
430604 (+700)

PRIMARYS
SHOWN ON
INTERCONNECTION PCB
430433

IN GUARD COMMON 2 ±8V SUPPLY

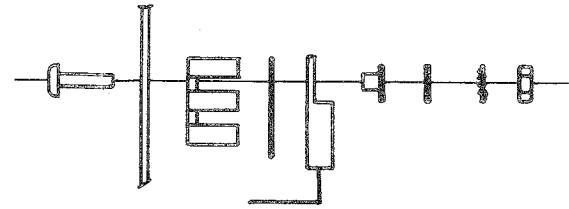


TO J25
MOTHER PCB
430532 (+200)
430604 (+700)

TO GUARD SCREEN
CONT. FROM SMT.1

IN-GUARD POWER SUPPLY ASSEMBLY
Reference Divider Common-4 and ±8V Common-2 Supplies





MOUNT Q1 USING THE FOLLOWING :-

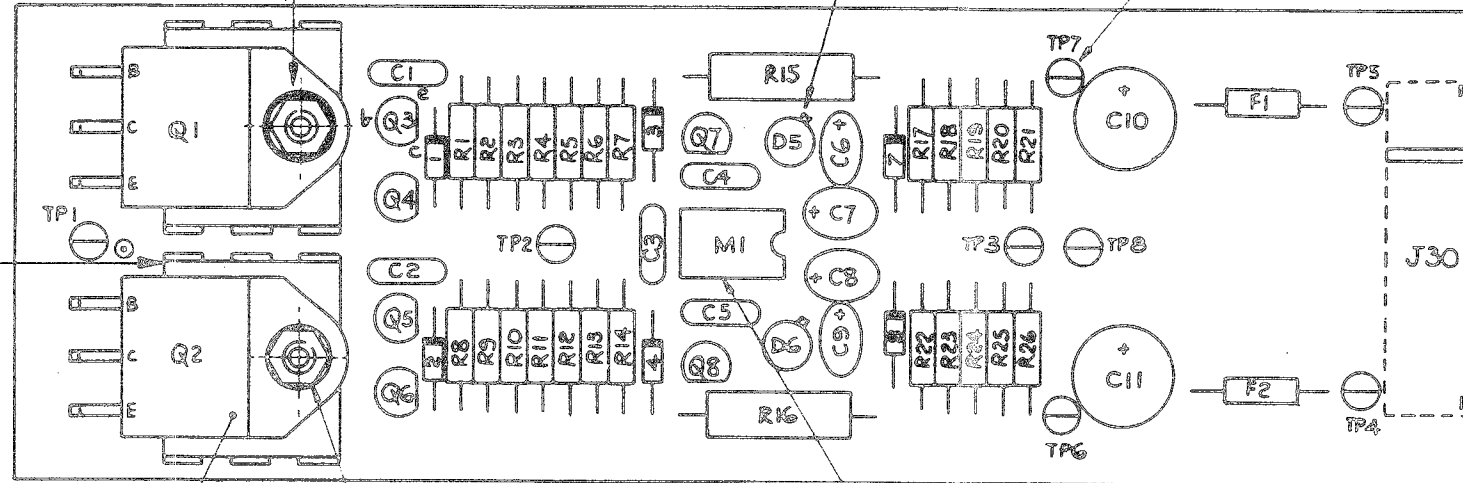
M5x10mm POZI-PAN SCREW	G11006	1 off.
INSULATING PAD	G18014	1 off.
INSULATING BUSH	G18001	1 off.
M5 WASHER STEEL	G13007	1 off.
M3 INT SHAKE PROOF	G13005	1 off.
M3 NUT	G15002	1 off.

MOUNT D5 & D6 ON
MOUNTING PADS G18004
2 off.

TEST POINT PIN
620007 8 off

PCB. 410254-2

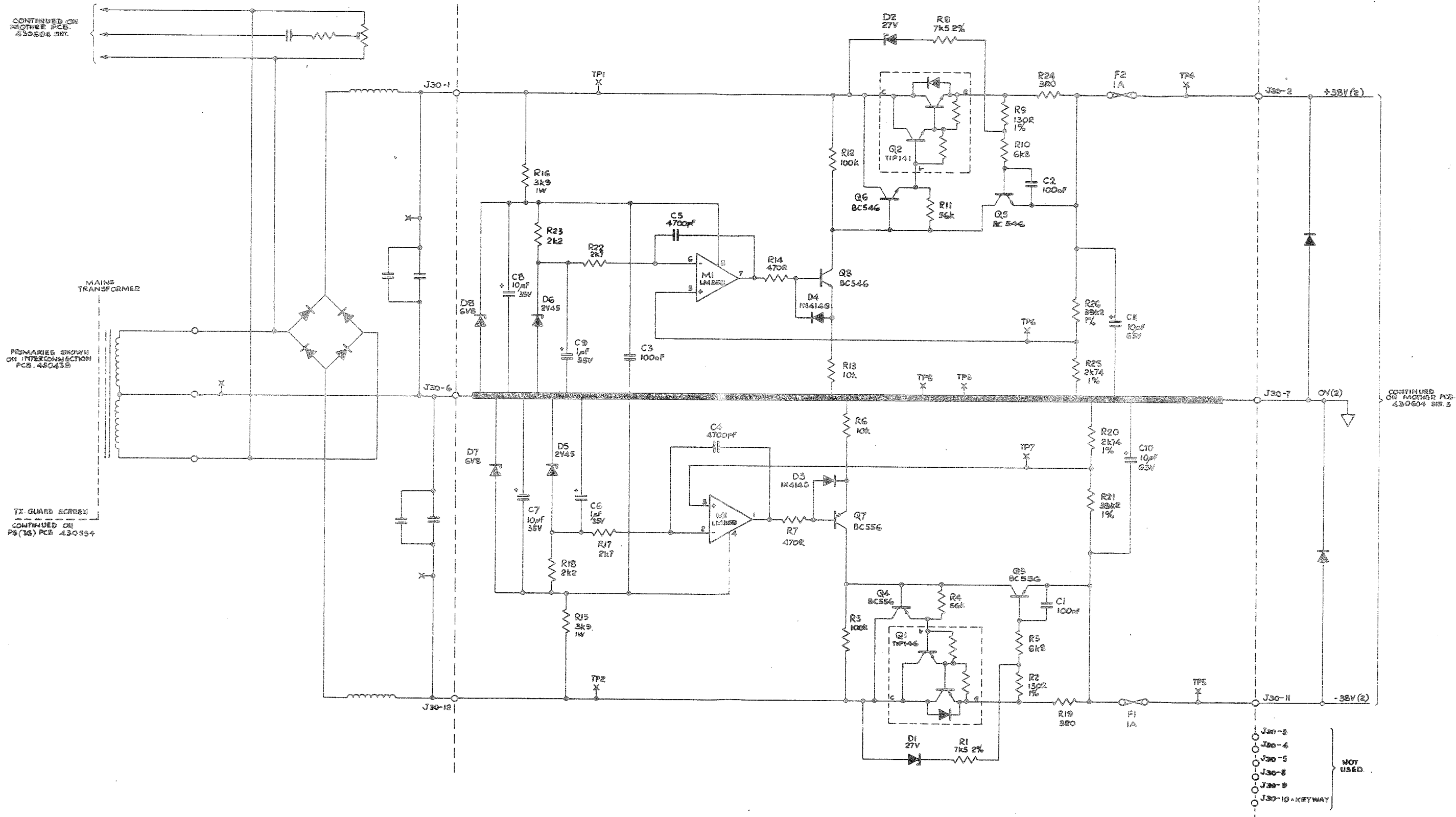
HEATSINK (To220)
920141 2 off.



USE HEATSINK COMPOUND
900003 BETWEEN MATING
SURFACES OF HEATSINK
AND Q2.

M5x8mm POZI-PAN SCREW G11016 1 off
(TO SECURE Q2)
M3 SHAKEPROOF G13005 1 off
M3 NUT G15002 1 off

MOUNT M1 ON 8WAY DIL SKT
605059/A



±38V POWER SUPPLY ASSEMBLY
±38V Power Supply with Mother Assembly Components

Circuit Diagram No. 430653-1.0 Sheet 1



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MOUNT Q7 WITH FERRITE BEAD
S20148 ON CENTRA LEG, AS SHOWN

ASSEMBLY NOTES:

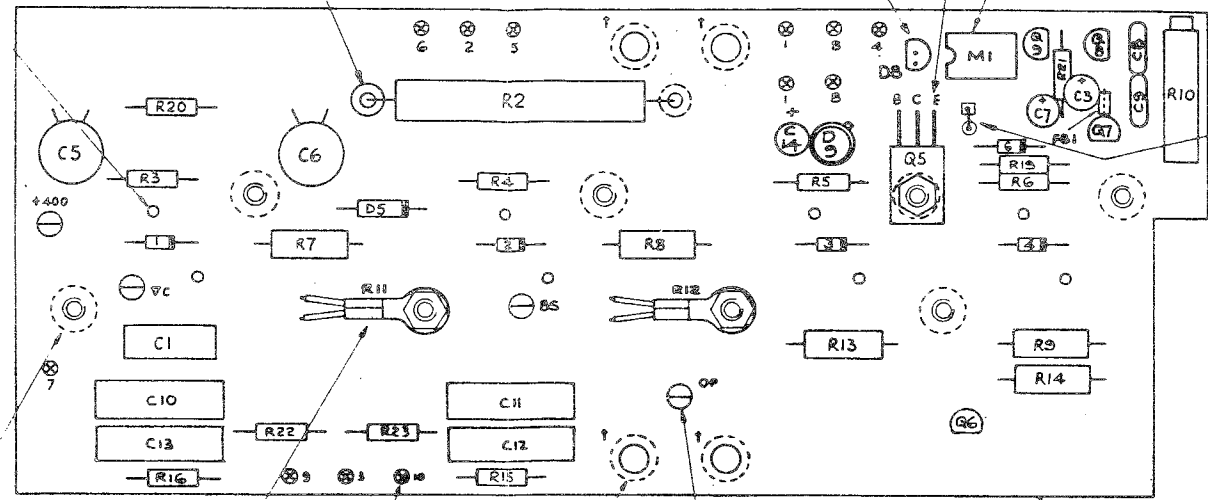
1. ASSEMBLE PCB TO STAGE ① EXCEPT SCREW FIXING FOR Q5 (SEE STAGE ②)
2. COMPLETE PCB ASSY BY FITTING WIRING LOOMS. DO NOT FIT 'P' CLIP (SEE STAGE ⑦)
3. ASSEMBLE PCB ASSY TO HEATSINKS, FITTED BY 4 MIDDLE SCREWS (SEE STAGE ②)
4. MOUNT Q1-Q4 TO STAGE ③ ASSEMBLY IN THE POSITION SHOWN (STAGE ⑦); APPLY HEATSINK COMPOUND 300003 BETWEEN MATING SURFACES. USE A TORQUE SCREWDRIVER TO TIGHTEN ALL TRANSISTOR FIXING SCREWS TO A TORQUE OF 0.8 Nm
5. SECURE Q5 (STAGE ④) TIGHTEN NUT TO A TORQUE OF 0.8 Nm
6. SECURE WIRING WITH 'P' CLIP (STAGE ⑦)

8 OFF CAMBION BUCKET 608118
PUSH INTO BACK OF PCB AND
SOLDER IN PLACE

MOUNT R2 ON 16 SWG LER BEADS
630024 2 off.

CUT OFF THIS END PIN OF D8
BEFORE ASSEMBLING

MOUNT M1 ON 8 WAY SOCKET
605055



M3 x 4mm STANDOFF 612004
SOLDER IN PLACE AFTER
SWAGING 3 off

SEE STAGE ⑥ FOR
FIXING OF R11/R12

M3 CLEAR x 4mm STANDOFF
614001 4 off
SEE STAGE 3.

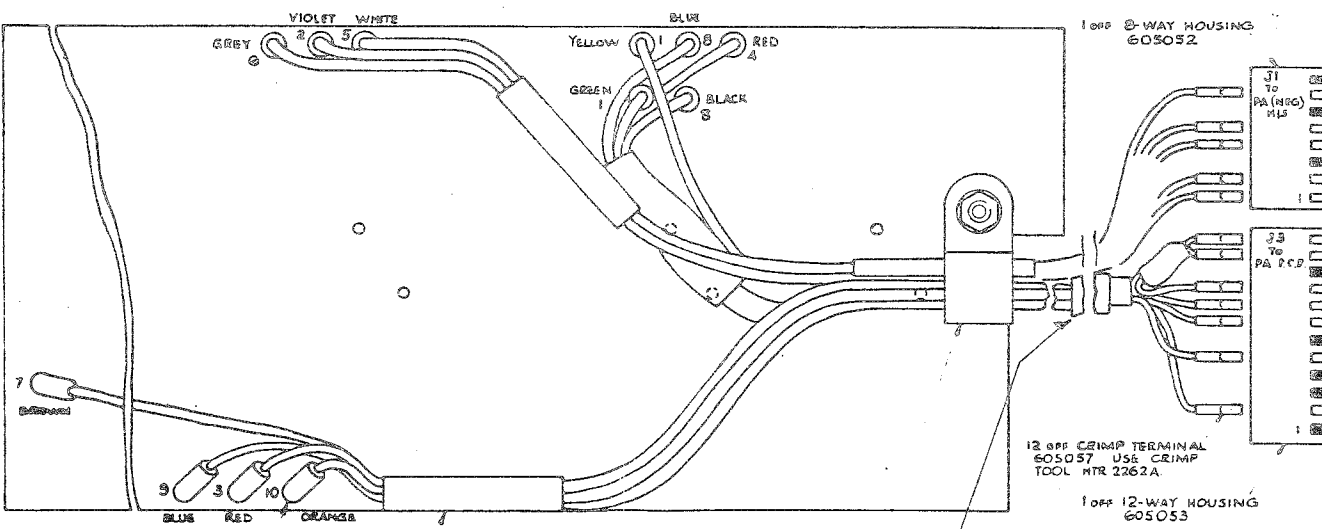
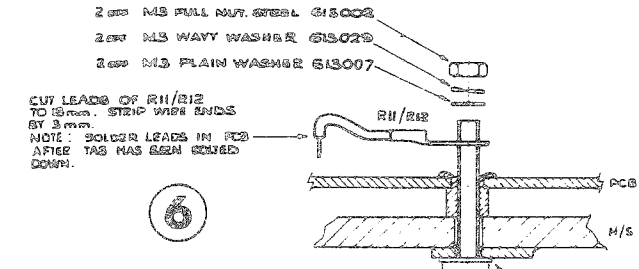
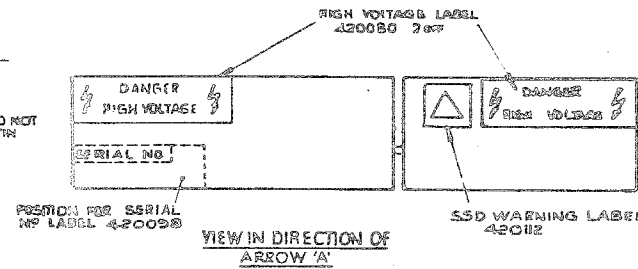
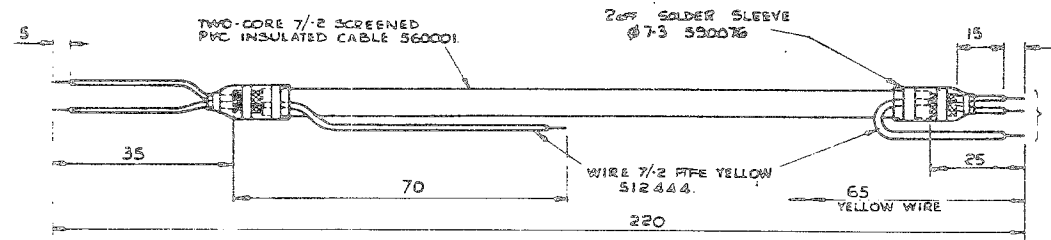
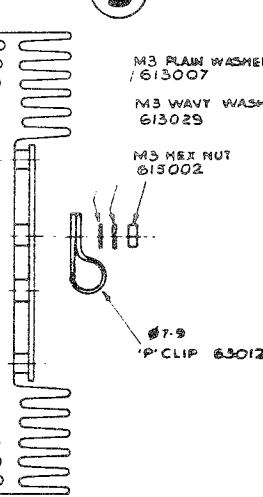
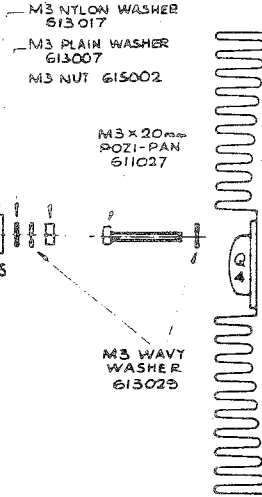
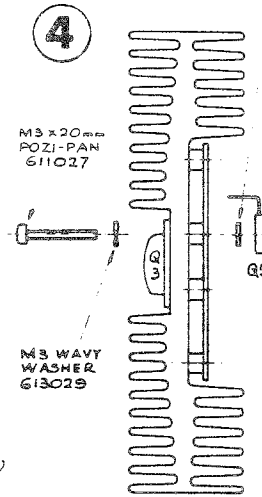
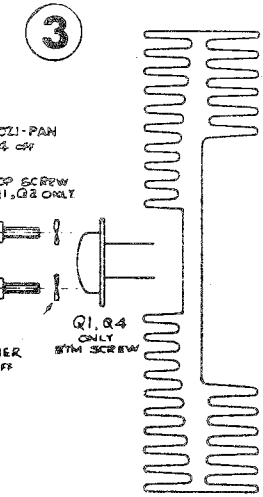
TEST POINT TERMINAL
620007 4 off

PCB 410249-5

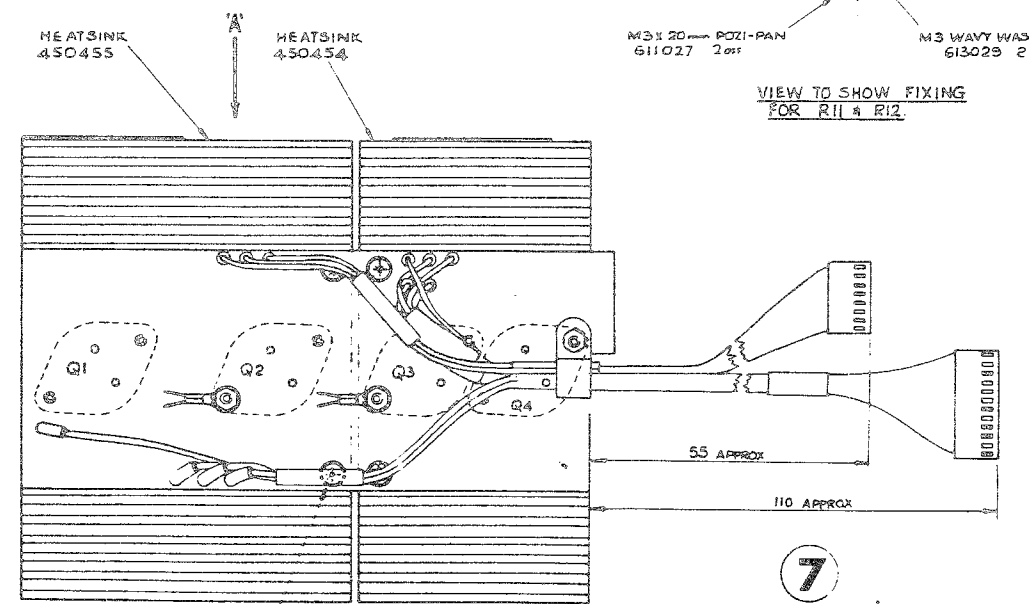
SOLDER PIN
620003 12 off

WIRE LINK
540002

M3 x 10mm POZI-PAN
611006 4 off
TOP SCREW
Q1, Q2 ONLY
M3 WAVY WASHER
613029 4 off



J1 To PA (HSG) M/S	BLACK 120
	VIOLET 165
	GREY 170
	GREEN 125
	WHITE 160
J2 To PA P.C.P.	RED 255
	BLUE 260
	YELLOW 255
	RED 255
	BLUE 260
	BROWN 205
	ORANGE 250



SLEEVE ALL WIRE LEAD CONNECTIONS WITH SLEEVES 590001 (17) 12 off

3 off SLEEVE 590002 Ø 3.0

'P' CLIP SEE STAGE ⑦

SLEEVE 590033 Ø 6 10 off.

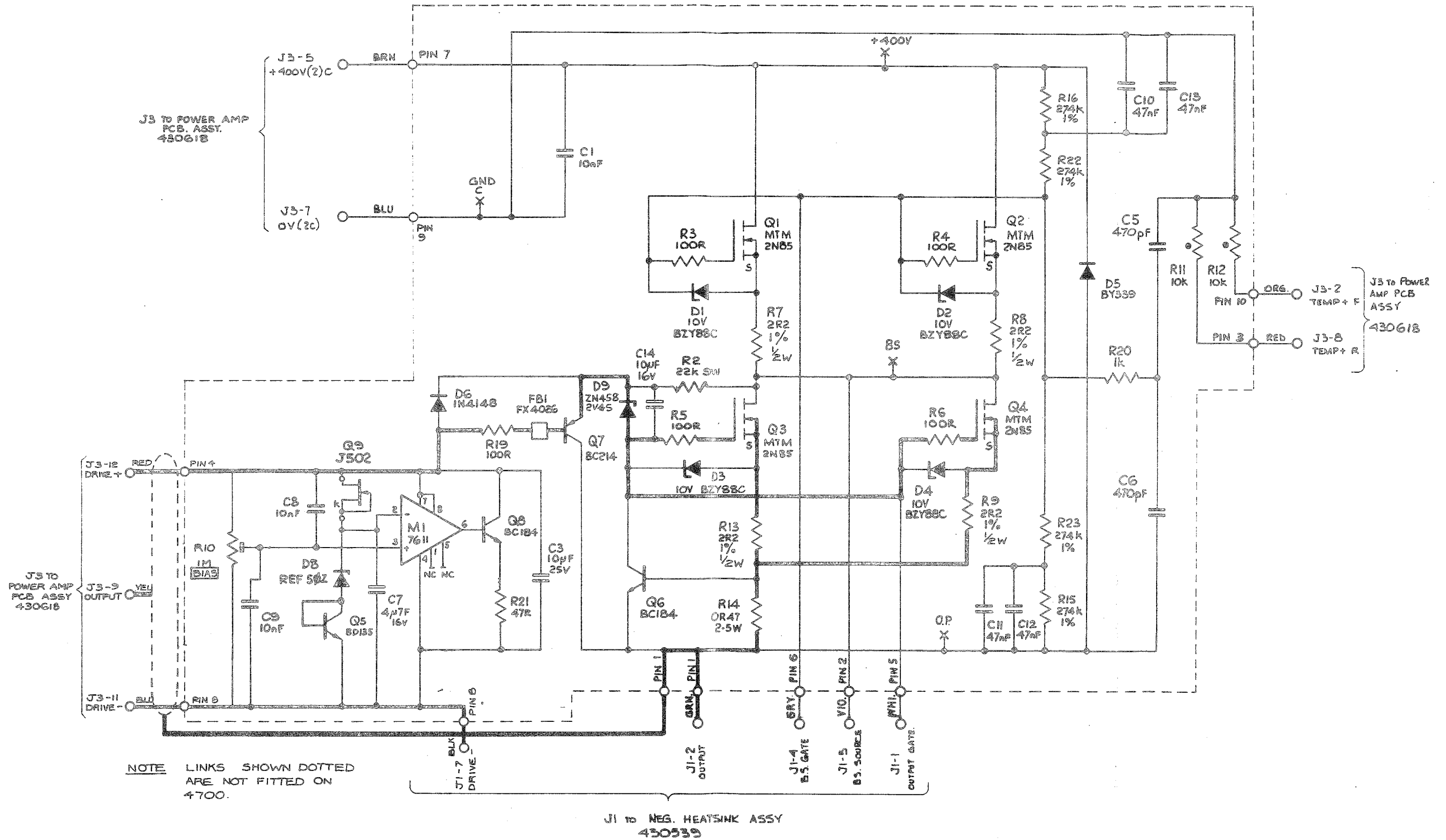
12 OFF CRIMP TERMINAL 605057 USE CRIMP TOOL MTR 2262A

1 off 12-WAY HOUSING 605053

4 off M3 x 10mm POZI-PAN 611006
4 off M3 WAVY WASHER 613029



POSITIVE HEATSINK ASSEMBLY



POSITIVE HEATSINK ASSEMBLY
Output Power Amplifier (Positive Half)

Circuit Diagram No. 430637-1.4 Sheet 1



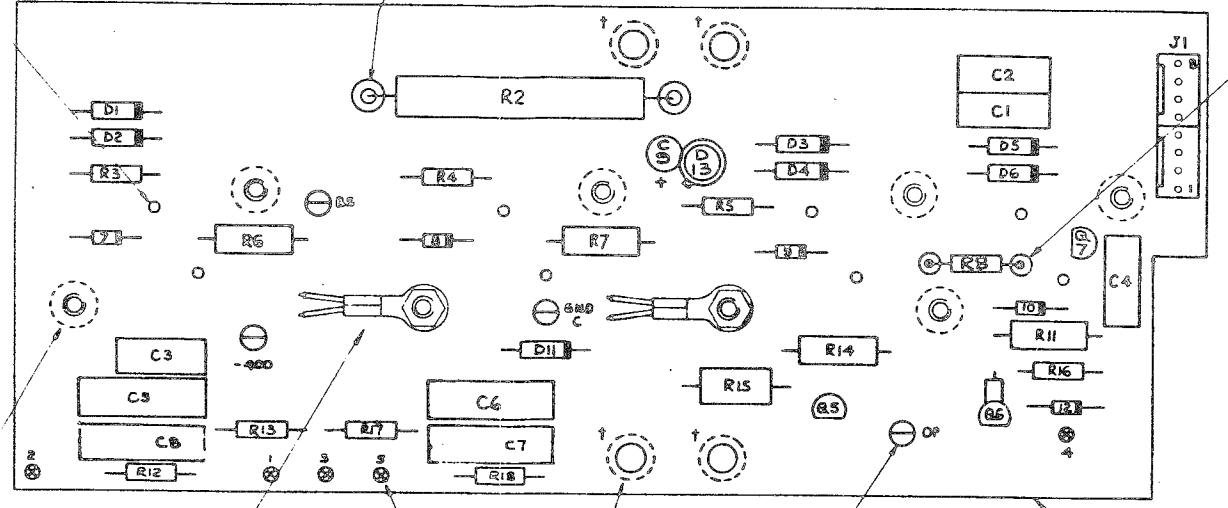
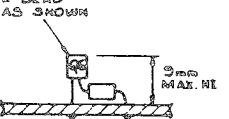
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1

3 OFF CAMBION BUCKET 605118
PUSH INTO BACK OF PCB AND
SOLDER IN PLACE.

MOUNT R2 ON 16 SWG CER BEADS
630024 2 OFF

MOUNT Q6 WITH FERRETTA BEAD
920145 ON CENTRA LEG, AS SHOWN



M3 x 4mm STANDOFF 612004
SOLDER IN PLACE AFTER
SWAGING 0 OFF

SEE STAGE 5 FOR
FIXING OF R9/R10

SOLDER PIN
620003 5 OFF

M3 CLEAR x 4mm
614001 4 OFF
SEE STAGE 5.

STANDOFF TEST POINT TERMINAL
620007 4 OFF

PCB 410246-5

ASSEMBLY NOTES:

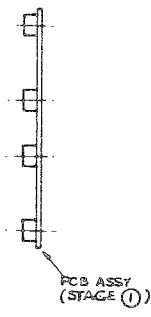
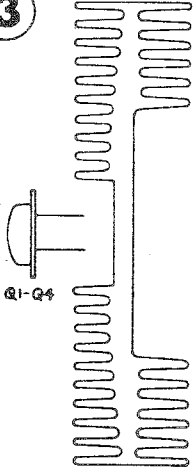
- 1 ASSEMBLE PCB TO STAGE 1
- 2 COMPLETE PCB ASSY BY FITTING WIRING LOOM. DO NOT FIT 'P' CLIP (SEE STAGE 6)
- 3 ASSEMBLE PCB ASSY TO HEATSINKS, FITTED BY 4 MIDDLE SCREWS (SEE STAGE 6)
- 4 MOUNT Q1-Q4 TO STAGE 3 ASSEMBLY IN THE POSITION SHOWN (STAGE 6); APPLY HEATSINK COMPOUND 500005 BETWEEN MATING SURFACES. USE A TORQUE SCREWDRIVER TO TIGHTEN ALL TRANSISTOR FIXING SCREWS TO A TORQUE OF 0.8 Nm.
- 5 SECURE WIRING WITH 'P' CLIP (STAGE 6)

3

MOUNT R5 ON 16 SWG
CER BEADS 630026
2 OFF

M3 x 10mm POZI-PAN
611006 7 OFF

M3 WAVY WASHER
613029 7 OFF



4

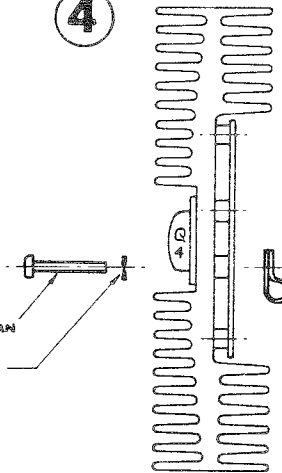
M3 PLAIN WASHER
613007

M3 WAVY WASHER
613029

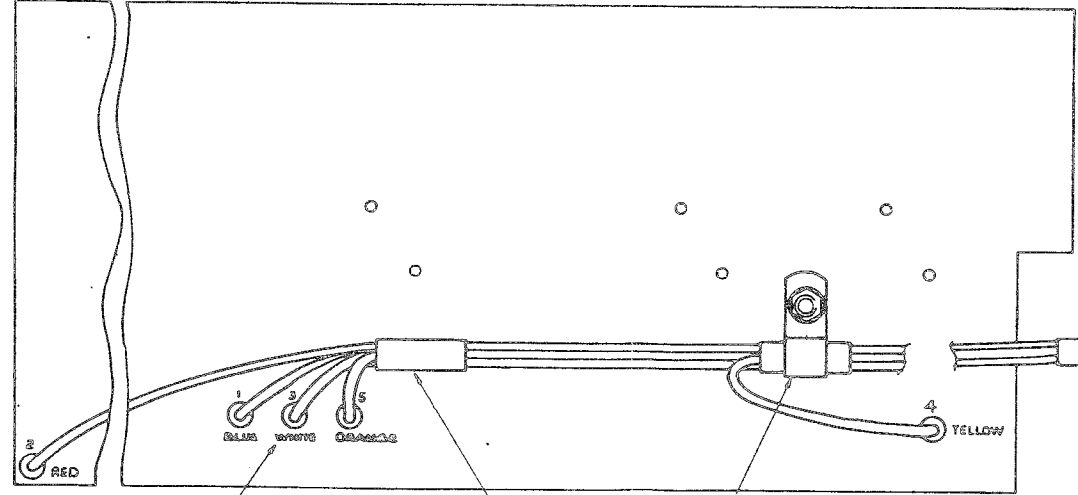
M3 HEX NUT
615002

M3 x 20mm POZI-PAN
611027

M3 WAVY WASHER
613029



2



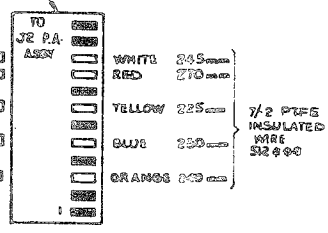
SLEEVE ALL WIRE LEAD
CONNECTIONS WITH SLEEVE 530001 (x78) 5 OFF

3 OFF SLEEVE 530002

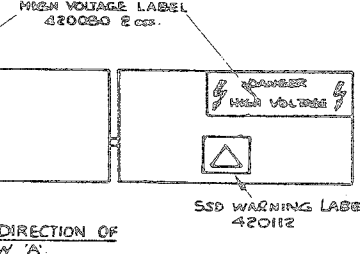
'P' CLIP
SEE STAGE 6
ADD SLEEVE 530003
FITTED UNDER SLEEVE
530002 TO GIVE GOOD
CABLE CLAMPING THROUGH
THE 'P' CLIP.

5 OFF CRIMP TERMINAL
605057. USE CRIMP TOOL
MTR 2262 A.

12-WAY HOUSING
605053



- | | | |
|-----------------|--------|--------|
| TO J2 P.A. ASSY | WHITE | 0.45mm |
| | RED | 0.70mm |
| | YELLOW | 0.25mm |
| | BLUE | 0.25mm |
| | ORANGE | 0.25mm |
- 7/2 PTFE INSULATED WIRE 530000



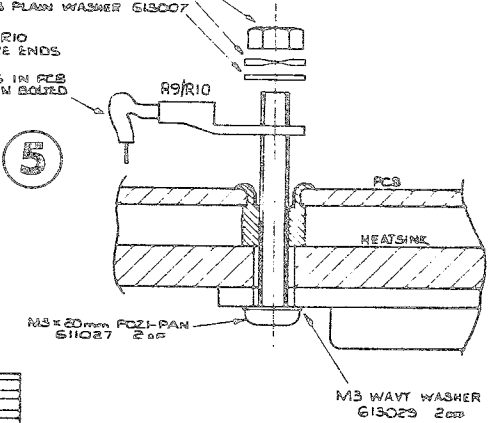
HEATSINK 450455

HEATSINK 450454

2 OFF M3 FULL NUT STEEL 613002
2 OFF M3 WAVY WASHER 613029
2 OFF M3 PLAIN WASHER 613007

CUT LEADS OF R9, R10
TO 10mm. STRIP WIRE ENDS
BY 3mm.
NOTE: SOLDER LEADS IN PCB
AFTER TAB HAS BEEN BUILT
ON.

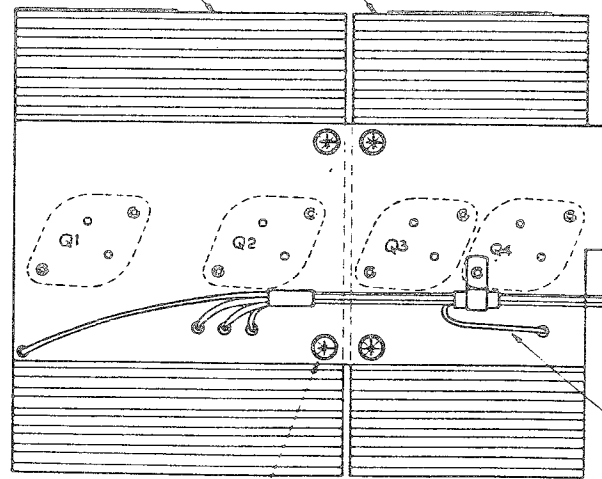
5



M3 x 20mm POZI-PAN
611027 2 OFF

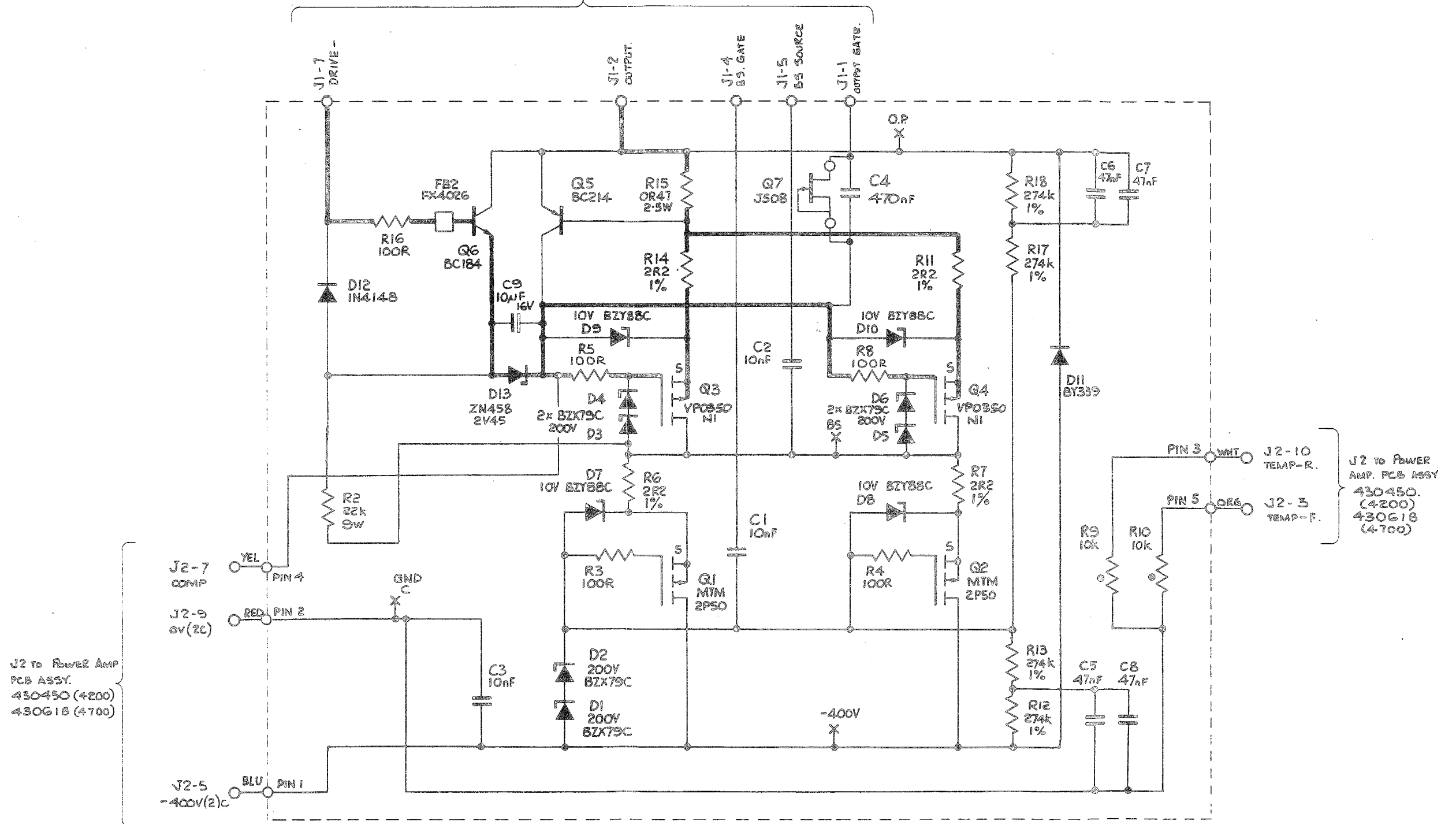
M3 WAVY WASHER
613029 2 OFF

6



4 OFF M3 x 10mm POZI-PAN 611006
4 OFF M3 WAVY WASHER 613029

SEE STAGE 4 FOR
FIXING 'P' CLIP



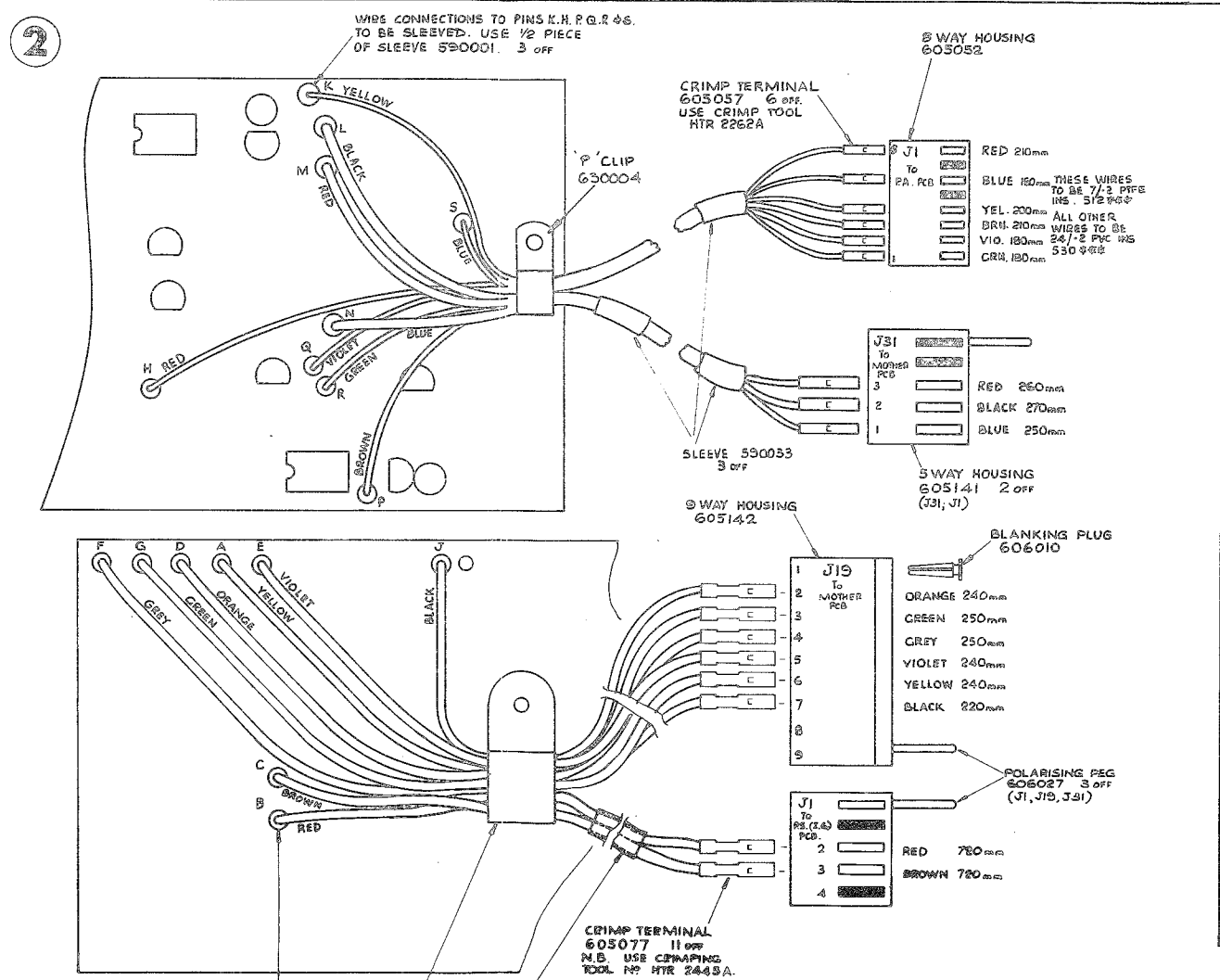
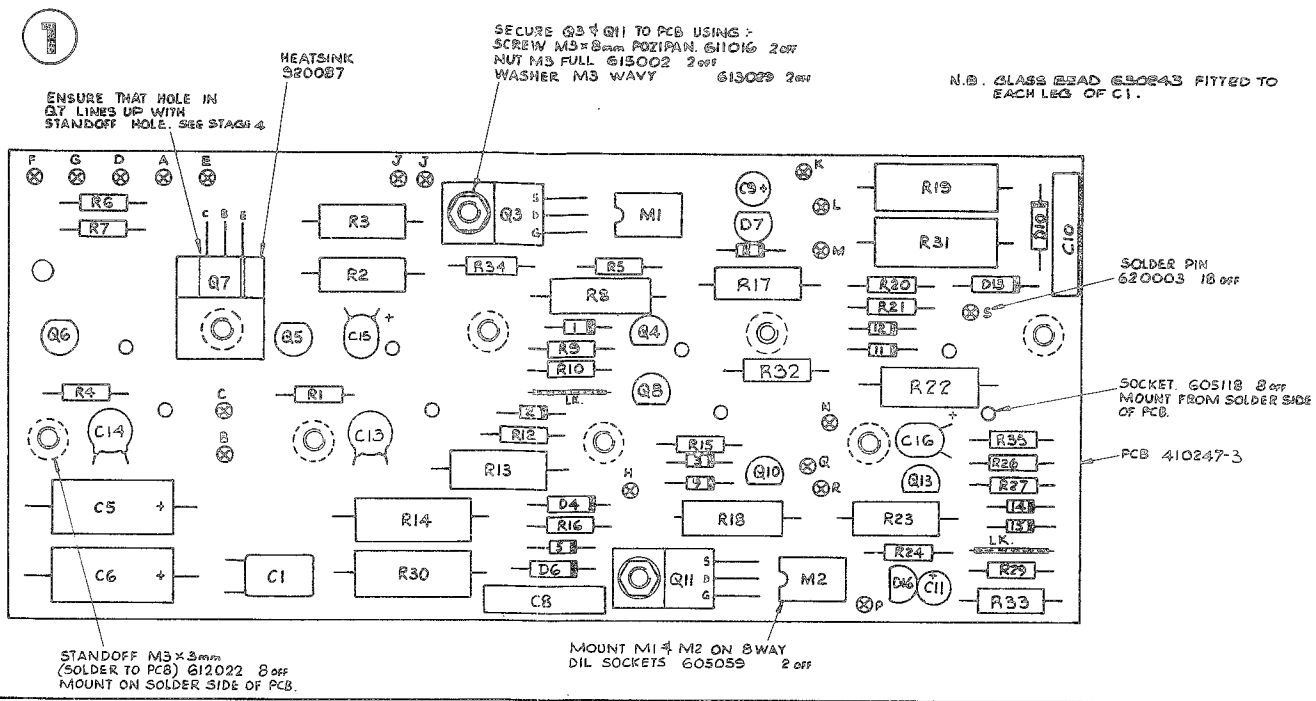
NEGATIVE HEATSINK ASSEMBLY
Output Power Amplifier (Negative Half)

Circuit Diagram No. 430539-7.7 Sheet 1

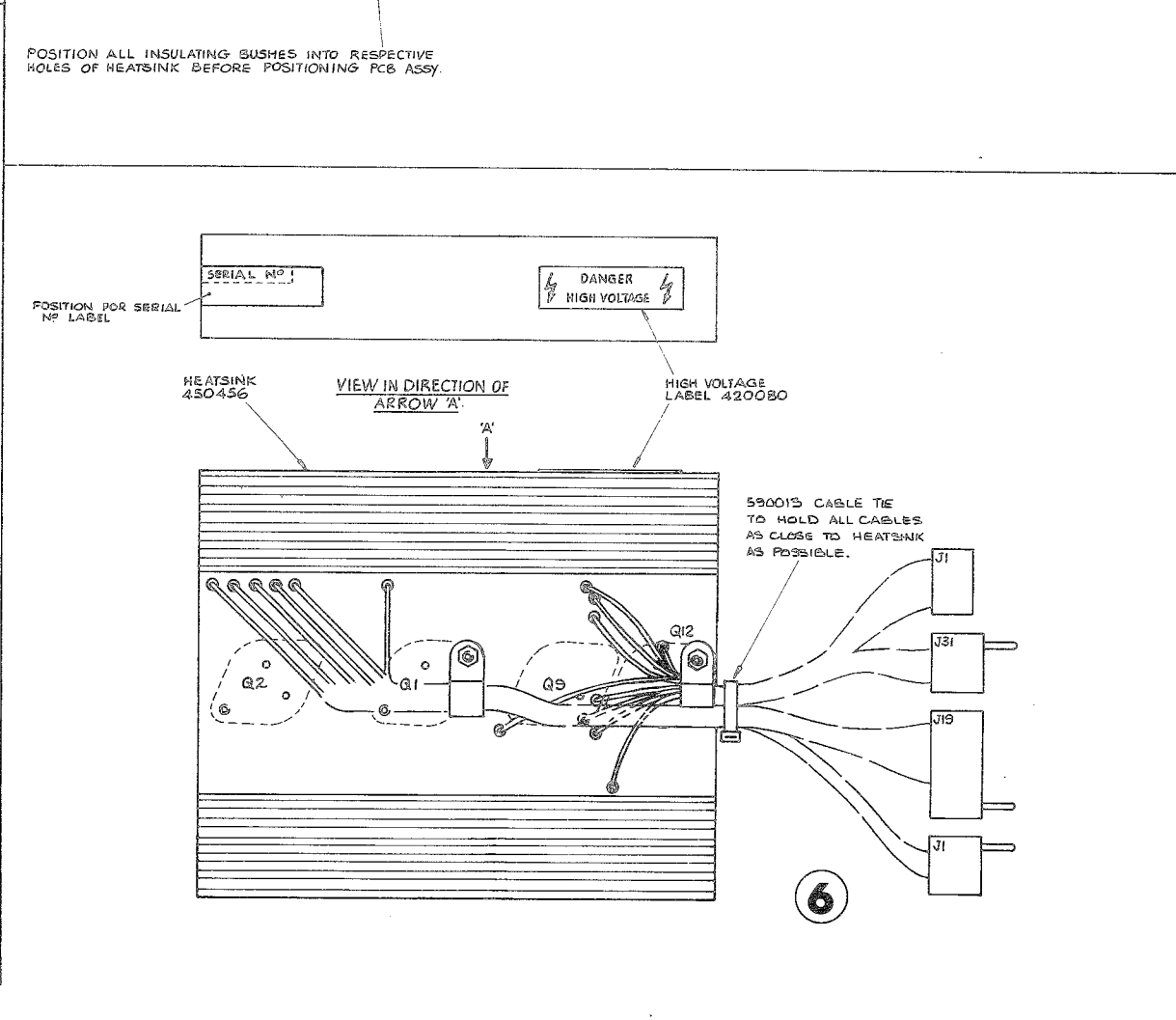
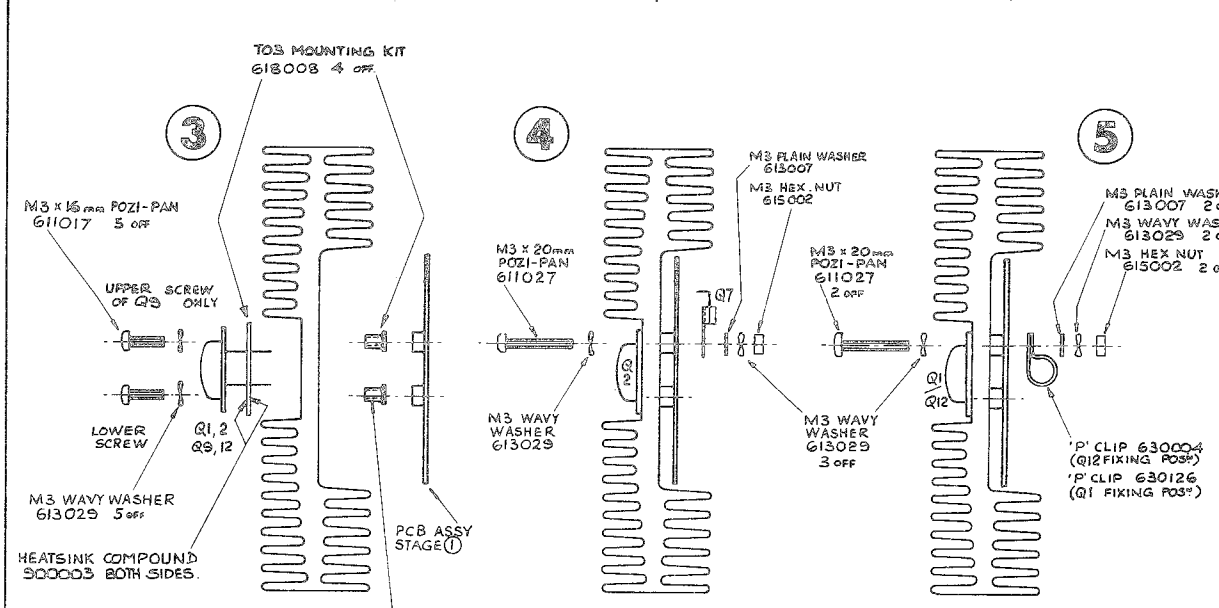


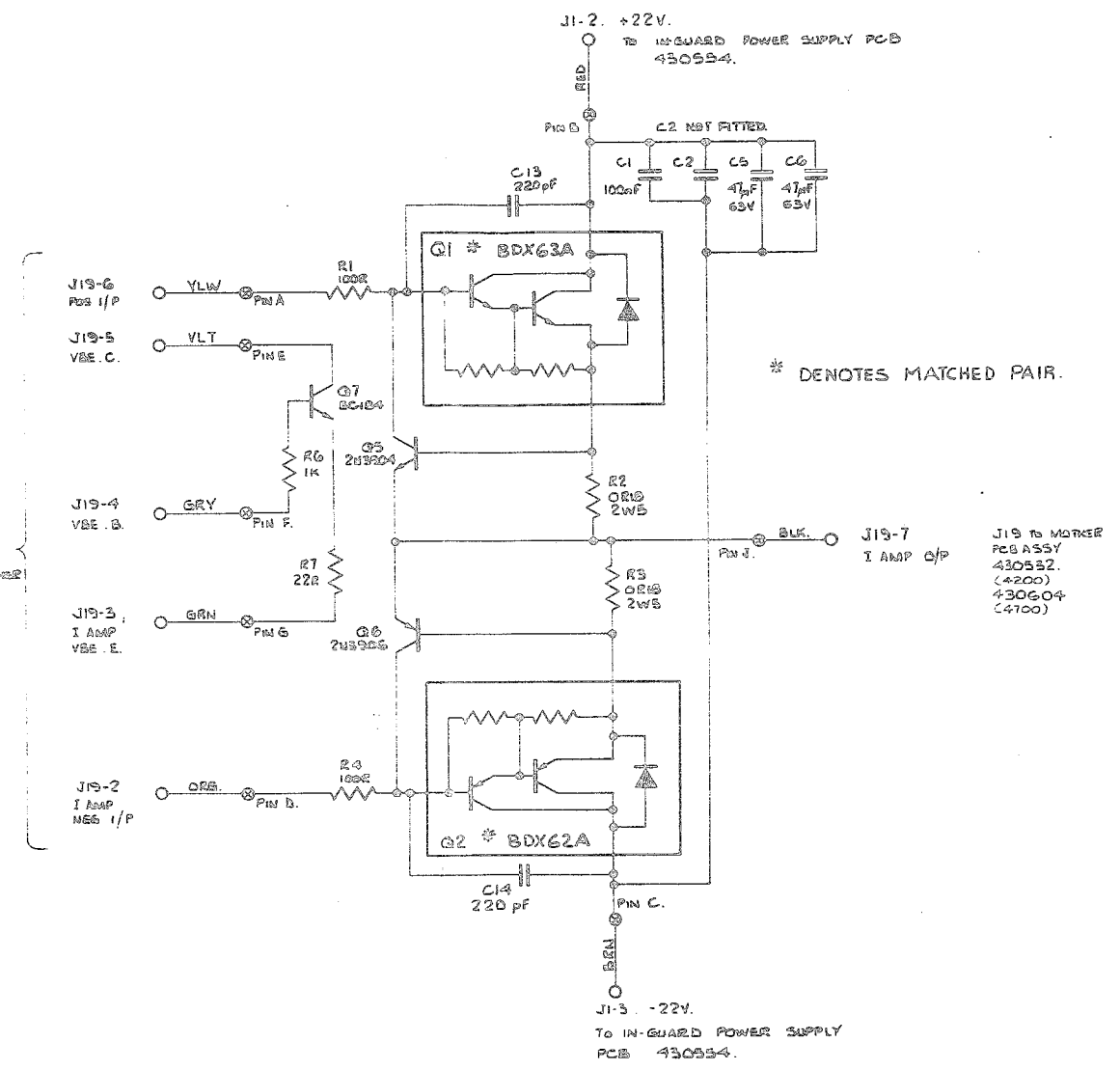
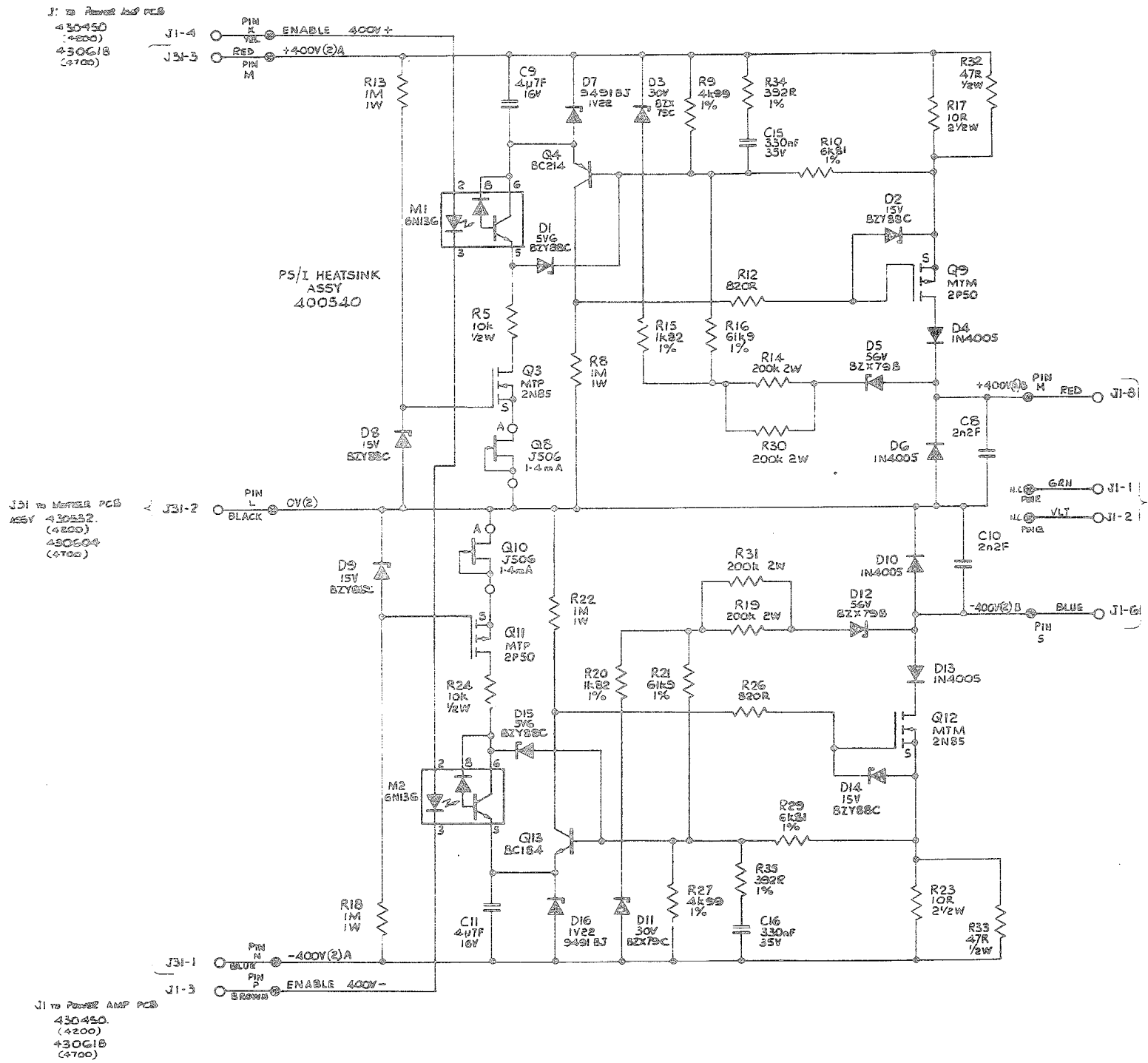
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4808



- ASSEMBLY NOTES:
1. ASSEMBLE PCB TO STAGE 1 EXCEPT SCREW FOR SECURING Q7 (SEE STAGE 4)
 2. COMPLETE PCB ASSY BY FITTING WIRING LOOMS. DO NOT FIT 'P' CLIPS (SEE STAGE 5)
 3. ASSEMBLE PCB ASSY TO HEATSINK BY FITTING Q1, 2, 9 & 12 (SEE STAGE 3). ASSEMBLE IN THE POSITIONS SHOWN AT STAGE 6.
 4. USE A TORQUE SCREWDRIVER TO TIGHTEN ALL TRANSISTOR FIXING SCREWS TO A TORQUE OF 0.8 Nm.
 5. SECURE Q7 (STAGE 4). TIGHTEN NUT TO A TORQUE OF 0.8 Nm.
 6. IN Q1 POSITION FIT BDX63A DEVICE; IN Q2 POSITION FIT BDX62A DEVICE.





PS / I HEATSINK ASSEMBLY
 ±400V(2)B Regulator and Current Option Output Stage

Circuit Diagram No. 430540-6.4 Sheet 1



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NOTES

1. R11 AND R13 NOT FITTED TO PCB.

2. GLASS BEAD 630243 FITTED TO EACH LEG OF THE FOLLOWING COMPONENTS: C5-C7 & OFF.

2 OFF SCREW M3X10mm POZI-PAN 611006
2 OFF NUT M3 HEX FULL 615002
2 OFF WAVY WASHER M3 613029
2 OFF SHAKEPROOF M3 613005

3 OFF LINK. MAKE FROM 7/2 PTFE INS. WHITE WIRE 512999

PCB 410327-3

5 OFF 4WAY .1" PCB PLUG 604033 (J2, J3)

HV. PCB SAFETY SCREEN 450461

FIT INSULATOR 450451 BETWEEN L3 AND PCB.

HIGH VOLTAGE LABEL 420080

SSD WARNING LABEL 420112-1

SERIAL N° LABEL 420098

TEST POINT TERMINAL 620007 8 OFF.

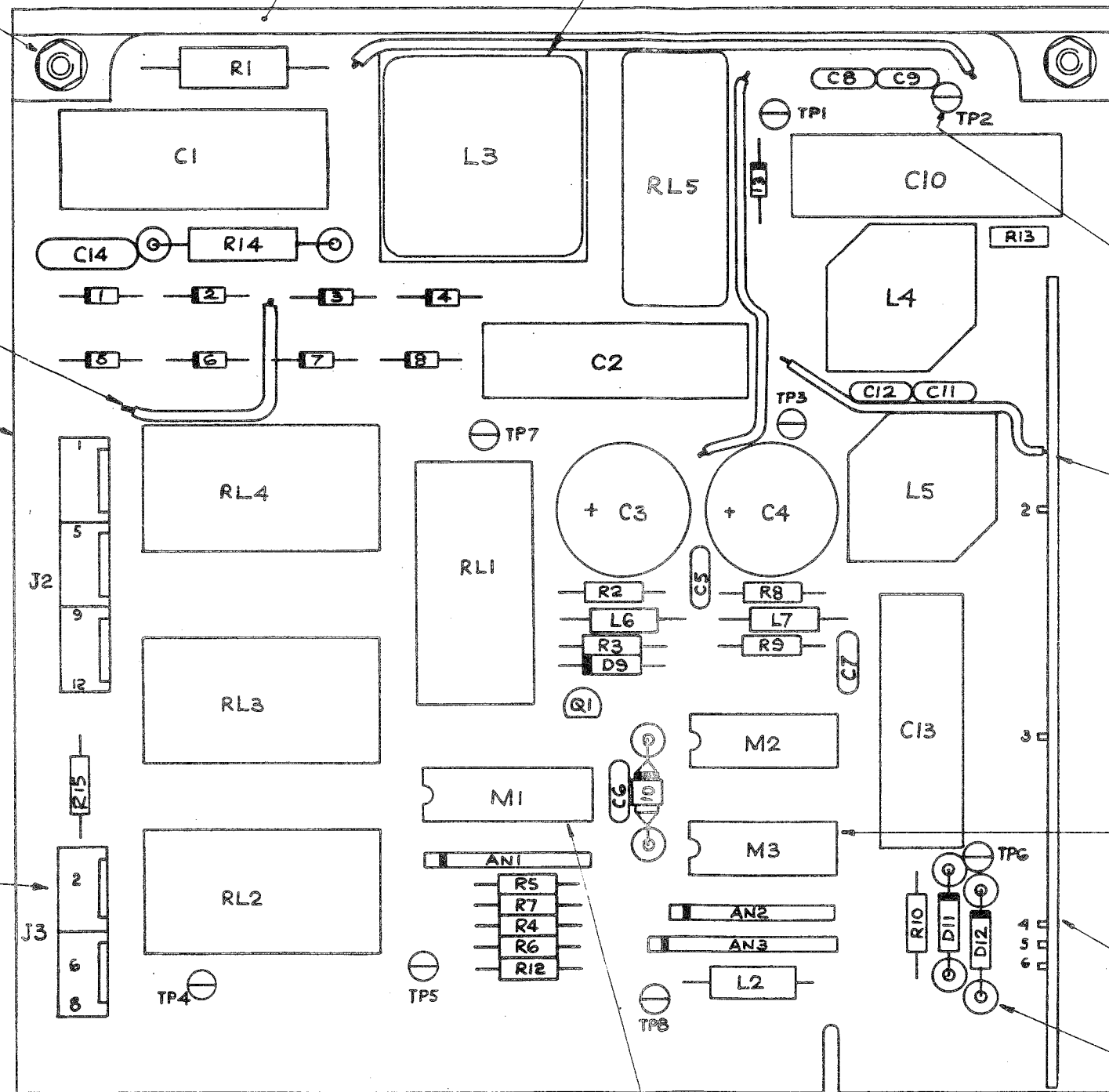
NOTE THAT THIS WIRE IS PART OF ASST 400563.

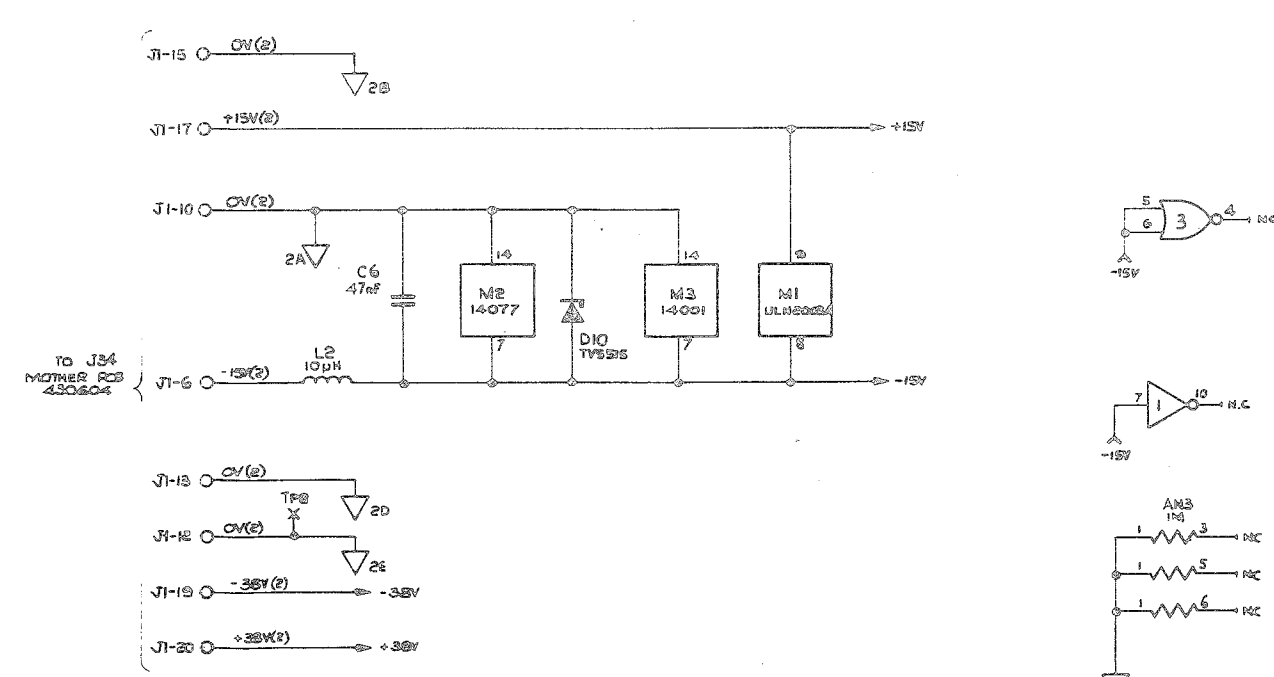
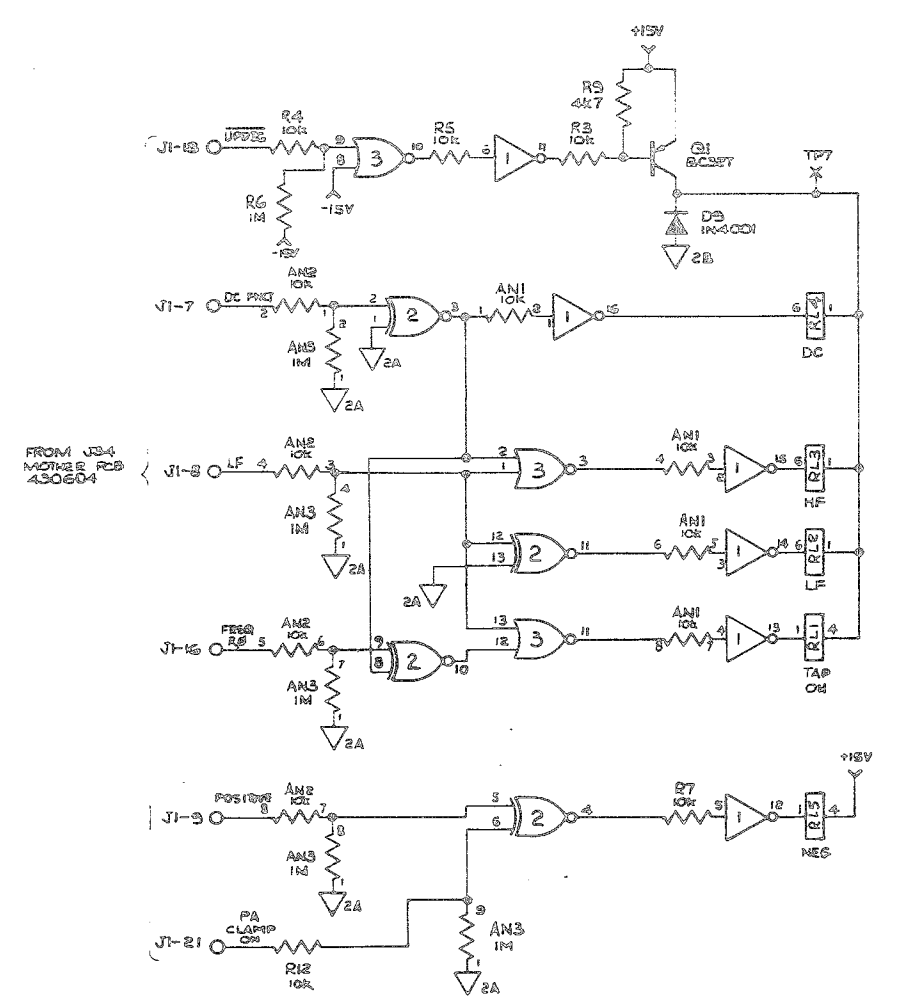
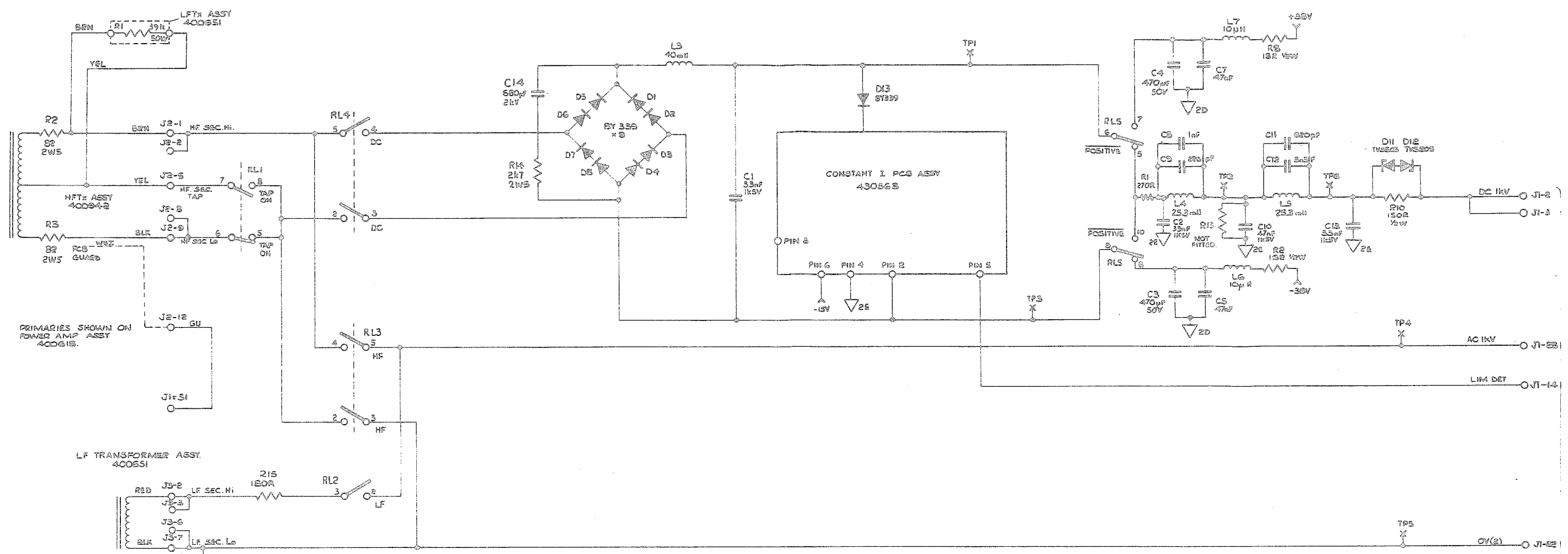
MOUNT M2/M3 ON 14 PIN DIL SOCKET 605060 2 OFF

CONSTANT I SOURCE PCB ASSY. 400563.

16 SWG STEATITE BEAD 630024 8 OFF (D10, D11, D12 + R14)

MOUNT M1 ON 16 PIN DIL SOCKET 605061





HIGH VOLTAGE ASSEMBLY
High Voltage Switching and Logic

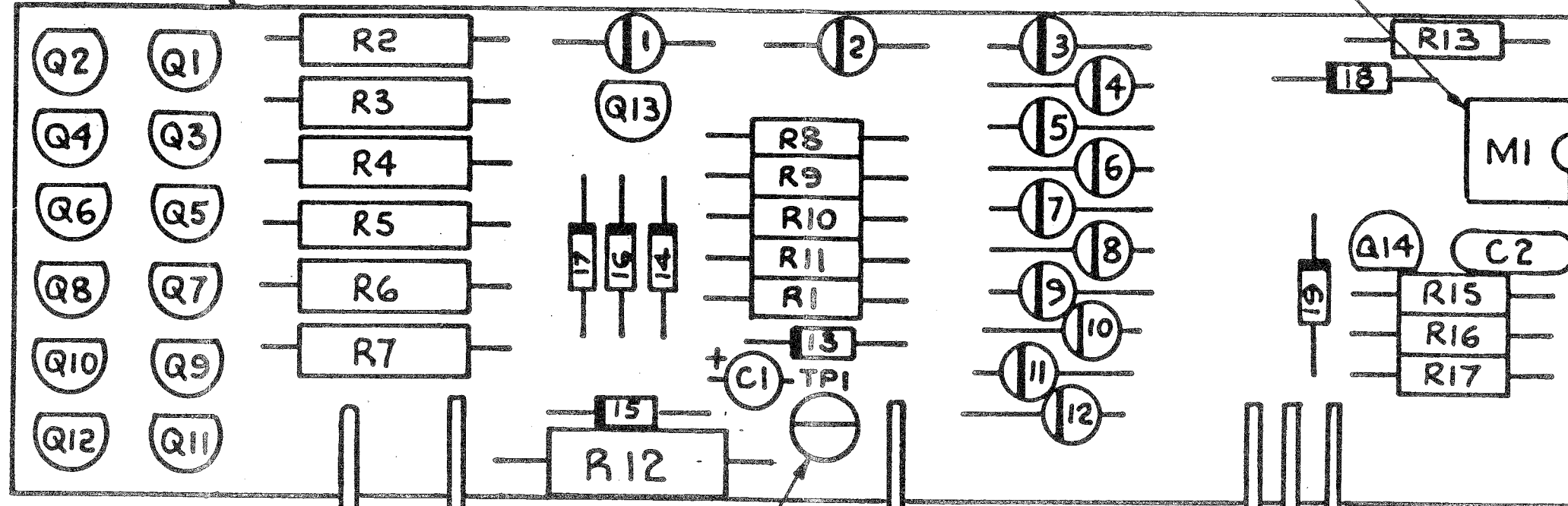
Circuit Diagram No. 430537-2.6 Sheet 1



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PCB 410285-4

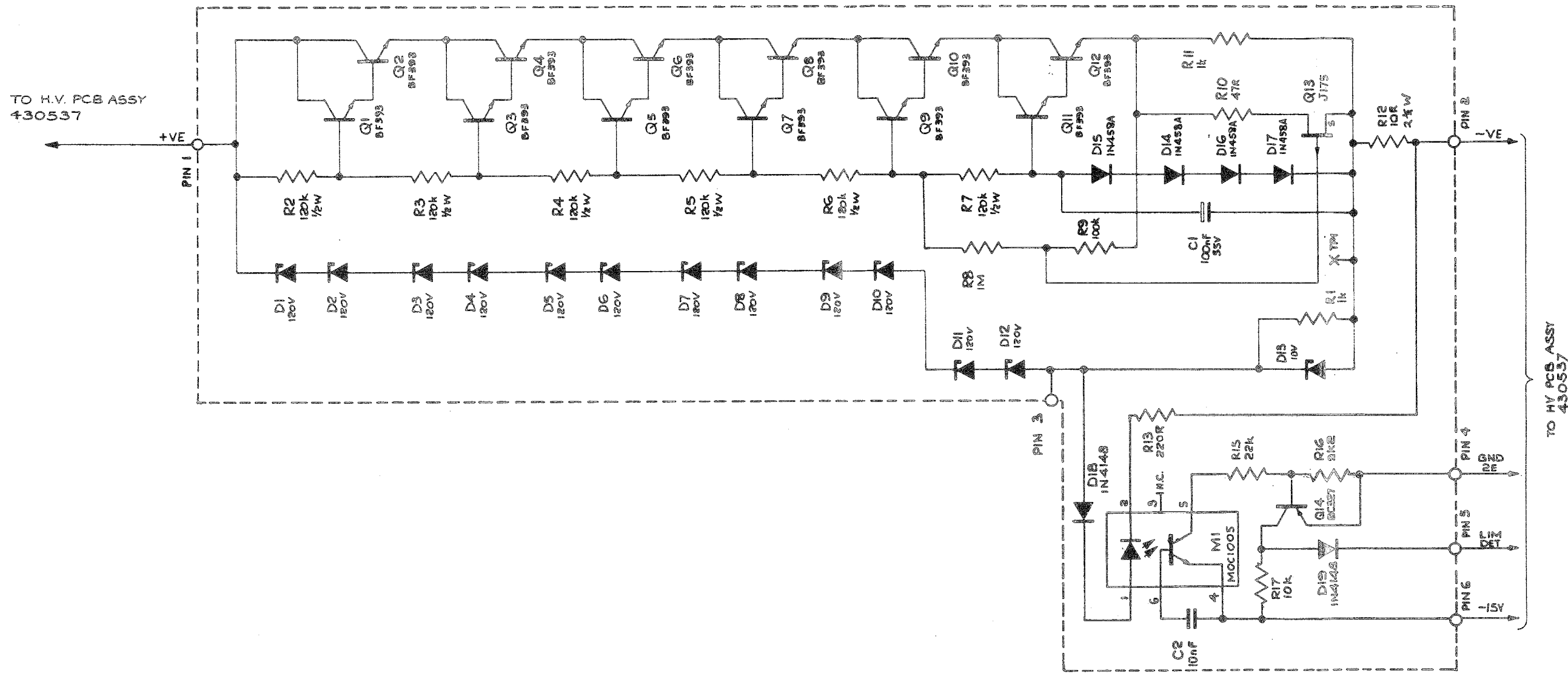
MOUNT MI ON 6-WAY DIL SOCKET 605066



7/0-2 WHITE PTFE INSULATED
 WIRE 512999.
 50mm LONG STRIP
 5mm EACH END &
 SOLDER ON END TO PCB

TEST POINT TERMINAL
 620007

11-WAY PCB PLUG
 604003. USE ONLY
 5 OF THE 11 PINS HERE.



TO H.V. PCB ASSY
430537

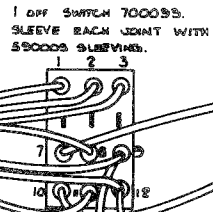
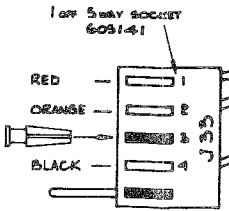
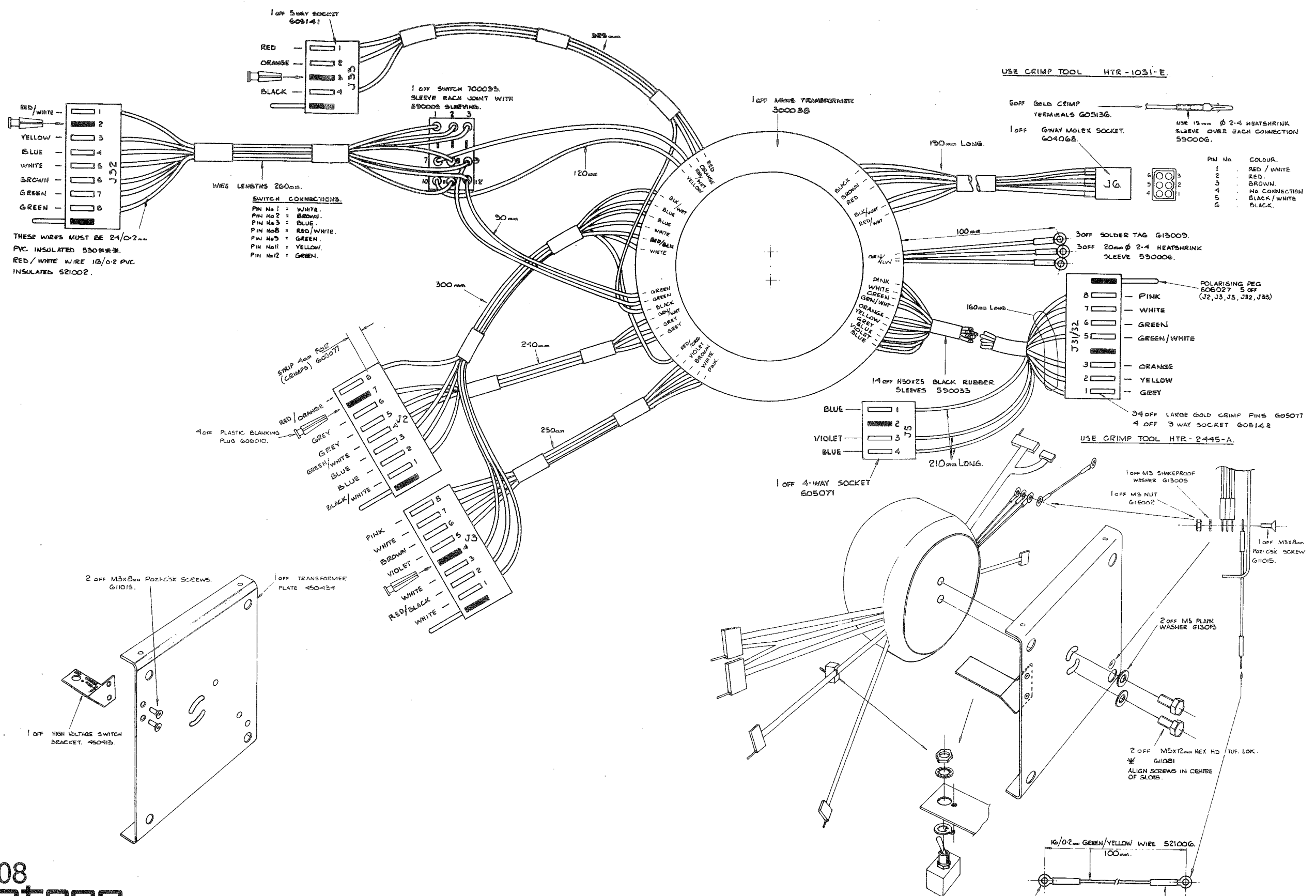
TO HV PCB ASSY
430537

4808
CONSTANT CURRENT SOURCE ASSEMBLY
 High Voltage Rectifier Bleed Chain
Datron
WAVETEK

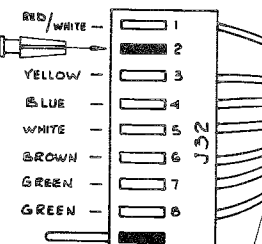
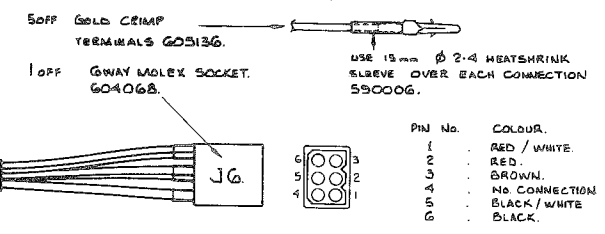
Circuit Diagram No. 430563-3.0 Sheet 1

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11.14-2



USE CRIMP TOOL HTR-1031-E.

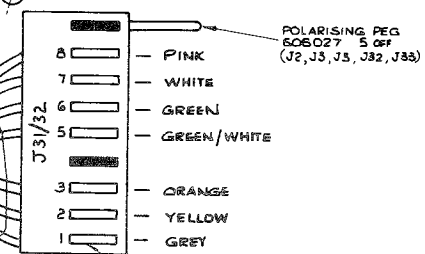
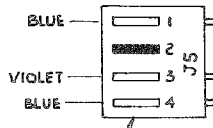
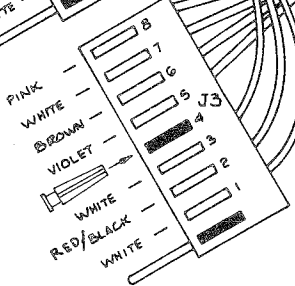
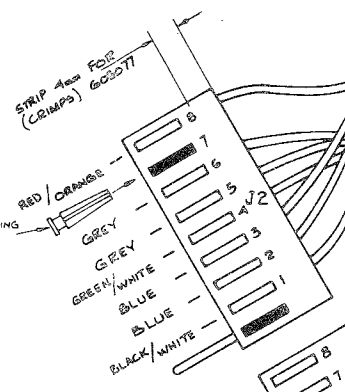


THESE WIRES MUST BE 24/0-2mm PVC INSULATED 550005.
RED / WHITE WIRE 12/0-2 PVC INSULATED 521002.

WIRE LENGTHS 260mm.

SWITCH CONNECTIONS.

PIN No 1 = WHITE.
PIN No 2 = BROWN.
PIN No 3 = BLUE.
PIN No 8 = RED / WHITE.
PIN No 9 = GREEN.
PIN No 11 = YELLOW.
PIN No 12 = GREEN.



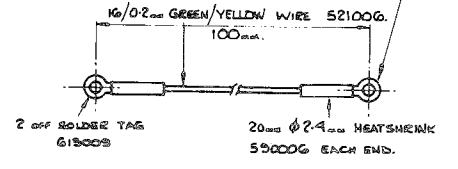
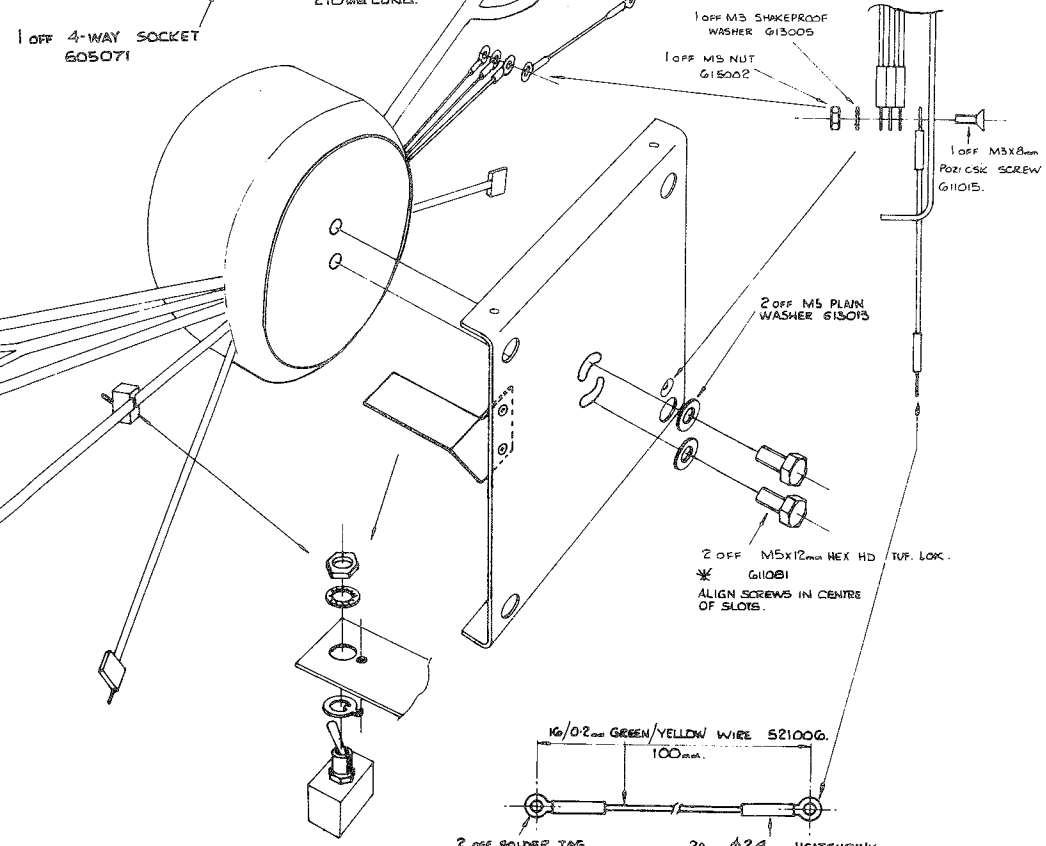
34 off LARGE GOLD CRIMP PINS 605077
4 off 3-WAY SOCKET 605142

USE CRIMP TOOL HTR-2445-A.

2 off M3x8mm Pozidril SCREWS G11015.

1 off TRANSFORMER PLATE 450424

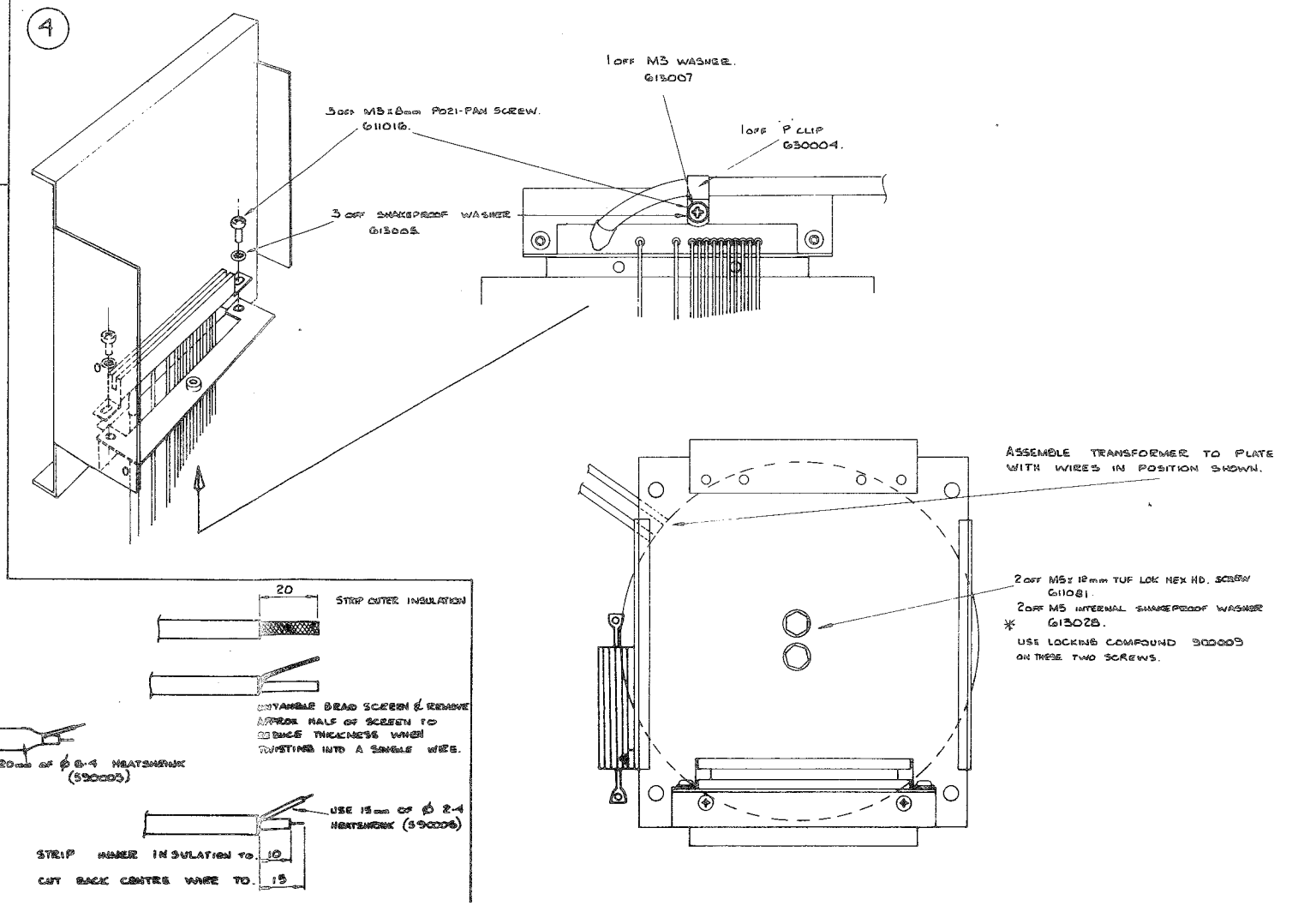
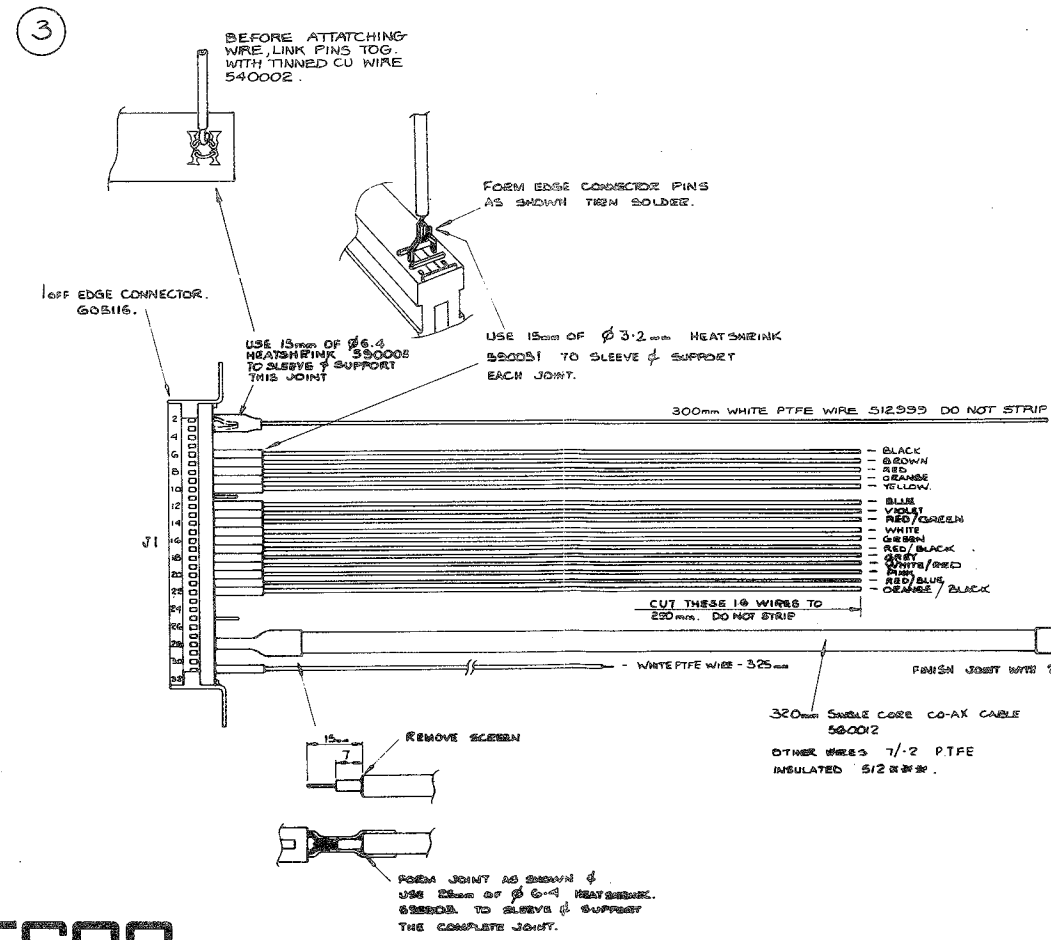
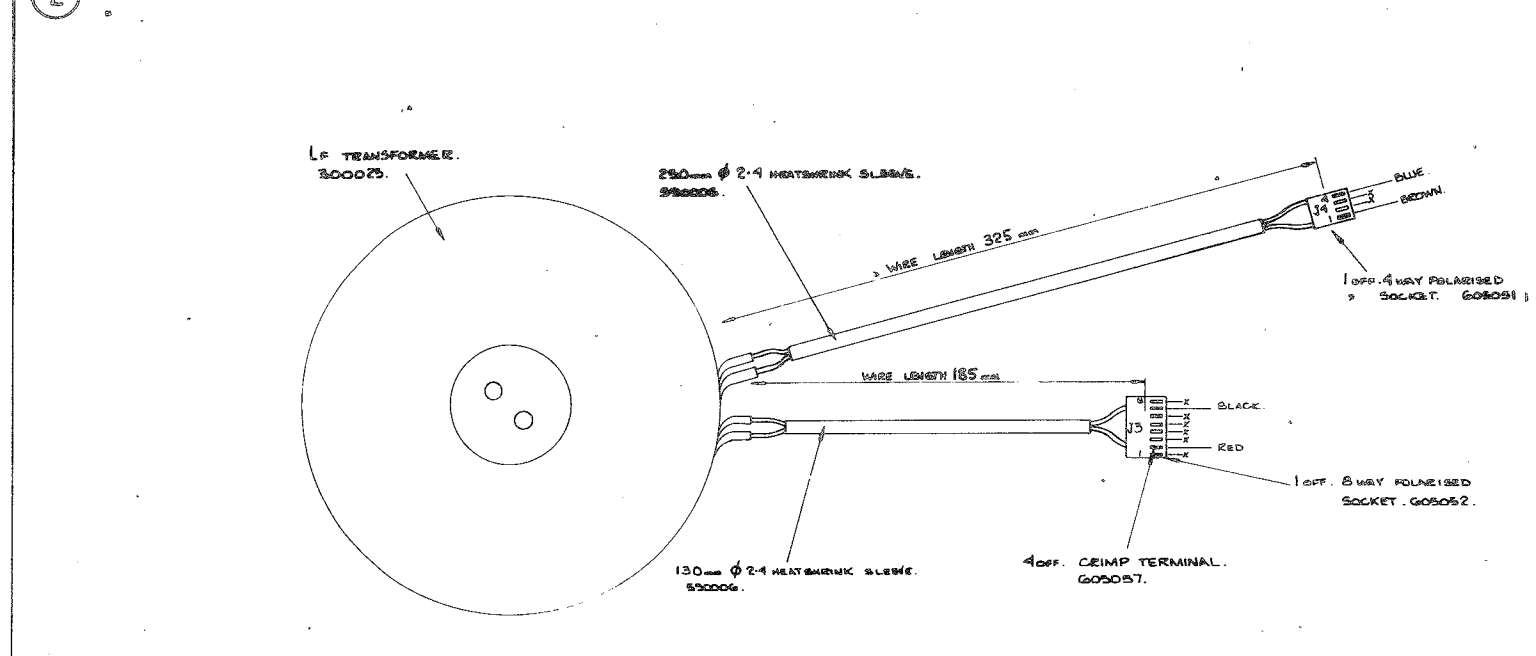
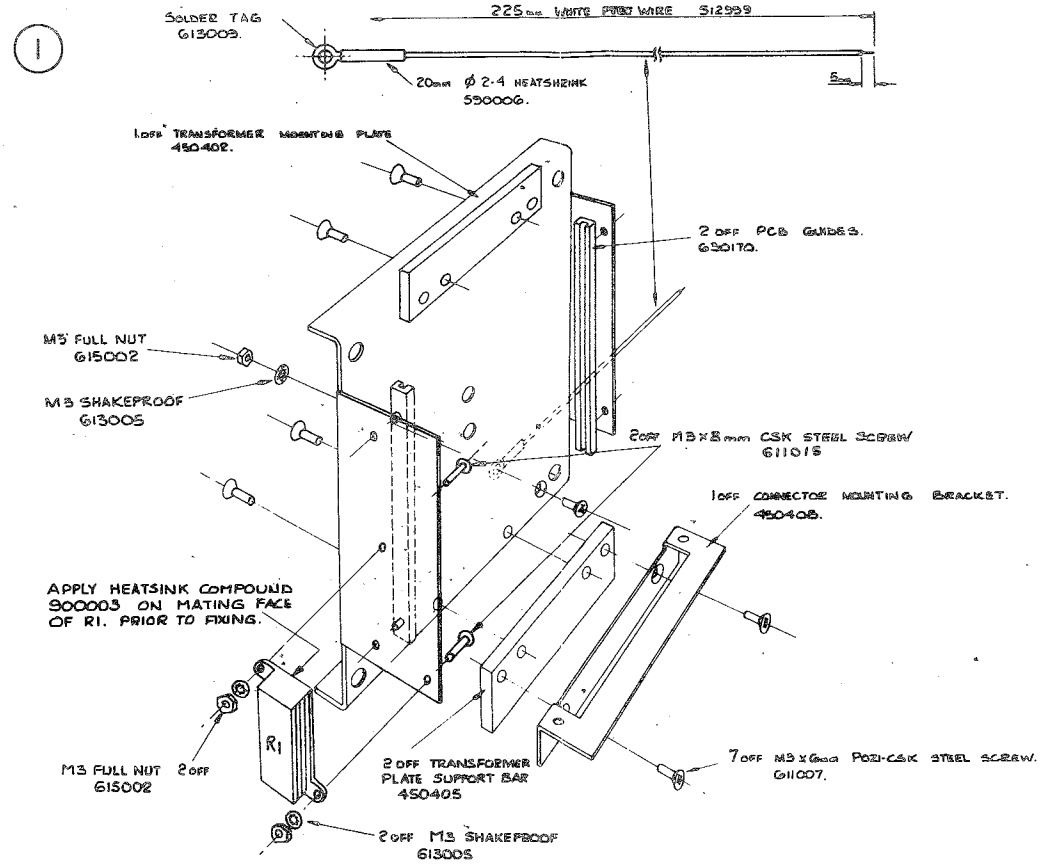
1 off HIGH VOLTAGE SWITCH BRACKET 450415



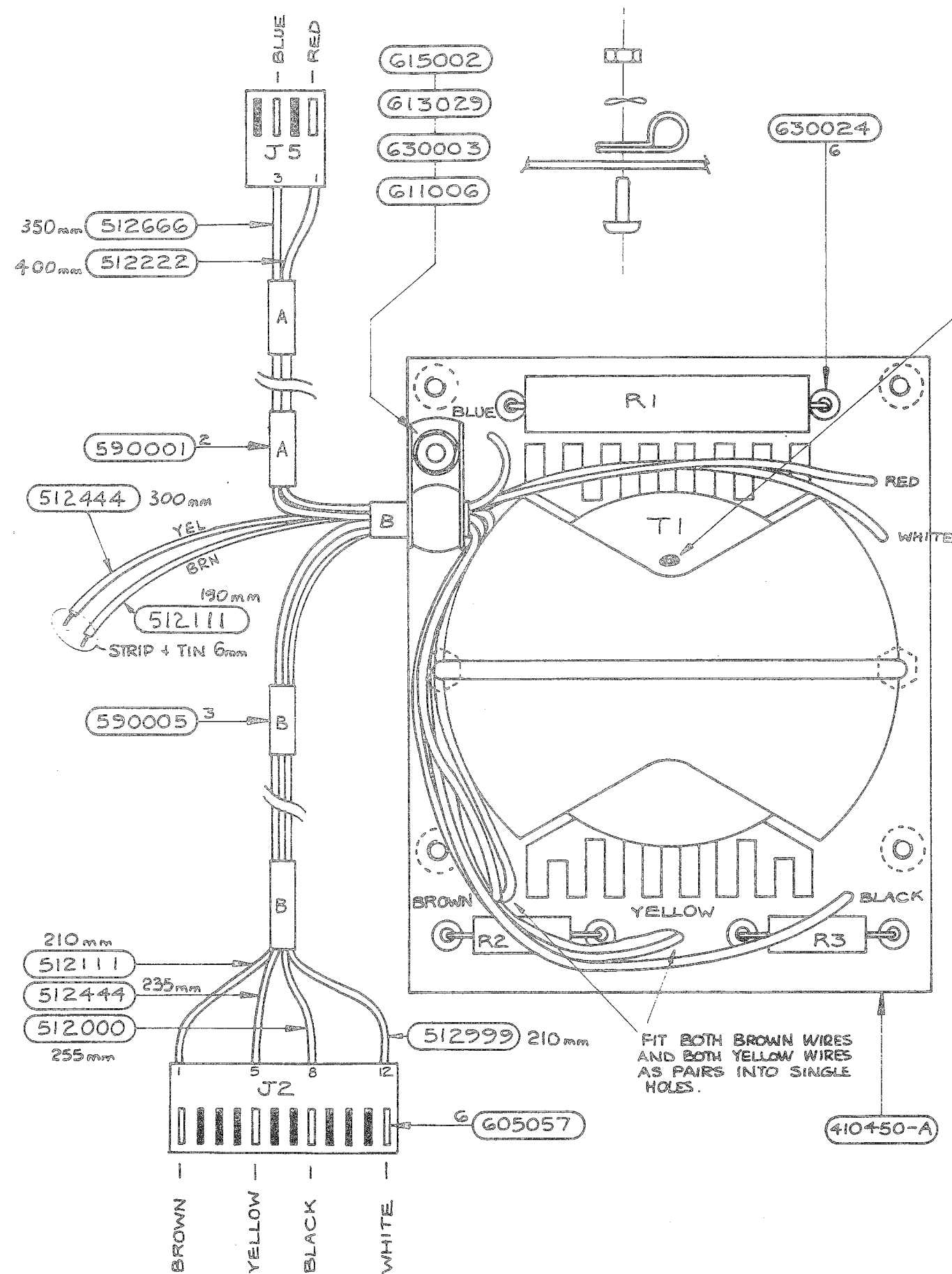
MAINS (LINE) TRANSFORMER

For mains (line) transformer circuits refer to the following pages:

- 11.10-1 Main Digital Supply, Display Supply and Common Mode Null
- 11.11-1 Common-2 Supplies and Current Option Supply
- 11.11-2 Reference Divider Common-4 and 8V Common-2 Supplies
- 11.16-5 400V Power Supply, 38V Power Supply and Common Mode Null
- 11.17-2 Interconnections, Power Input Module and Mains Transformer Primary



L.F. TRANSFORMER ASSEMBLY



NOTE ORIENTATION OF POLARISING PAINTMARK.

* ENSURE THAT THESE PINS ARE CUT OFF

POSITION OF PLATE SUPPLIED WITH TX.

630358

630356

NOTE :

MATING FACES OF TX CORES TO BE CLEANED USING 900016

THERE MUST BE NO CONTAMINATION.

G12028
4

CROP PINS & WIRE ENDS

613019 2

CUT EXCESS LENGTH OFF YOKE, BACK TO BEING FLUSH WITH NUT, ONCE TRANSFORMER IS IN PLACE.

613005 2

TORQUE NUT TO 0.6 Nm & APPLY SCREWLOCK COMPOUND 900009

ALL WIRES ARE SOLDERED DIRECTLY TO PCB - NO SLEEVING REQUIRED.

H.F. TRANSFORMER ASSEMBLY

Layout Drawing No. DA400942-1.2

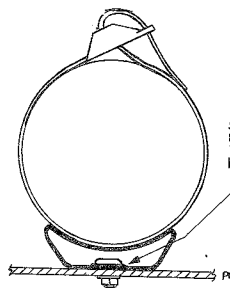
Sheet 1

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4808

11.15-2



CABLE TIE NYLON BLOCK 630270
SCREW M3X8mm POZI-PAN 61016
NUT M3 HEX FULL. 61002
WASHER M3 CRINKLE 61009
M3 LARGE WASHER 61019
UNDER SCREW HEAD.

CABLE TIE 630271

EDGE CONNECTOR KEY 606032, 2 OFF
FIT BETWEEN CONTACTS 66 & 67
ON J2 & J3

EDGE CONNECTOR KEY 606043 6 OFF
FIT BETWEEN CONTACTS 65 & 67
ON J5, 7, 6, 5, 4 & 2.

FUSE 20mm SLOW BLOW (1A) 920116 2 OFF
FUSE HOLDER 920126 2 OFF
FUSE ANGLE LABEL 104 L7 920123 2 OFF

4 OFF STEATITE
BEAD G30024
FIT TO L2 & L3.

J30 = 605114

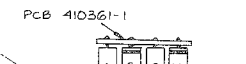
REMOVE J32 PIN 2, J33 PIN 3
4 OFF STEATITE BEAD G30036
(FIT TO F3, F4)

NOTES
1. SOLDER STANDOFF TO PCB PADS
2. CRIP ALL PINS ON SOLDER SIDE OF PCB
FROM THE FOLLOWING COMPONENTS,
AFTER SOLDERING: R1-R4, J30,
C2-C5, J3 (PINS 83-89), J5 (PINS 40-45),
J6/J7 (PINS 43-78), C8, C9, C10,
AN1-J5 (PINS 1-6), J4 (PINS 5-16), J3 &
J2 (PINS 13-18, 73-120), PIN J & J23-5

EDGE CONNECTOR QUANTITIES									
PART NO.	J2	J3	J4	J5	J6	J7	J8	J9	
605067	3	1	4		2	2			
605088		2		1			1	2	
605089	1		1		1	1	2	1	
605090			1	3		1	2	1	
605091			4		2	1	2		
605092						1	3	1	
605221	1								

J19 = 604042 2 OFF
J31 = 604042 1 OFF
J32 = 604042 2 OFF
J33 = 604042 1 OFF

TEST POINT TERMINAL G20007
3 OFF MOUNT ON UNDERSIDE
OF PCB
REMOVE CERAMIC BEADS BEFORE
FITTING TO PCB.



NB DIODES D3/D7 & D5/D9 ALSO
ASSEMBLED & SOLDERED AS ABOVE
D7, D9 & D10 HAVE THE CATHODE BAND
TOWARDS THE SMALL PCB.

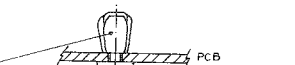
P.C.B. 410345-4

MAX. HEIGHT OF Q1 TO BE 10mm

+ THESE COMPONENTS
ARE NOT FITTED

10 OFF STANDOFF M3X2mm
612027 IN POSITIONS MARKED
*. FIT FROM SOLDER SIDE OF PCB.

1 OFF STANDOFF M3X12.7mm
612024 FIT FROM SOLDER
SIDE OF PCB



TYPICAL NYLATCH MOUNTING.

- a) ON UNDERSIDE OF PCB ADD:
BROWN WIRE 512111 & WHITE WIRE
512599 TWISTED TOGETHER AND
CONNECTED AS SHOWN.
- b) RED WIRE 512222 & BLACK WIRE
512000 TWISTED TOGETHER AND
CONNECTED AS SHOWN.
- c) ORANGE WIRE 512333 & BLUE WIRE 512666
TWISTED TOGETHER.
- d) YELLOW WIRE 512444 & VIOLET WIRE 512777
TWISTED TOGETHER.
- e) RED WIRE 512222
- f) WHITE WIRE 512599

TWISTED PAIR	TWISTED LENGTH	WIRE LENGTH
YELLOW MAUIE	50mm	70mm
RED	50mm	70mm
WHITE	87mm	115mm
BLUE	84mm	100mm
ORANGE	84mm	100mm

5 OFF CLOVERLEAF TERMINAL
G20005, FITTED FROM
UNDERSIDE OF PCB.

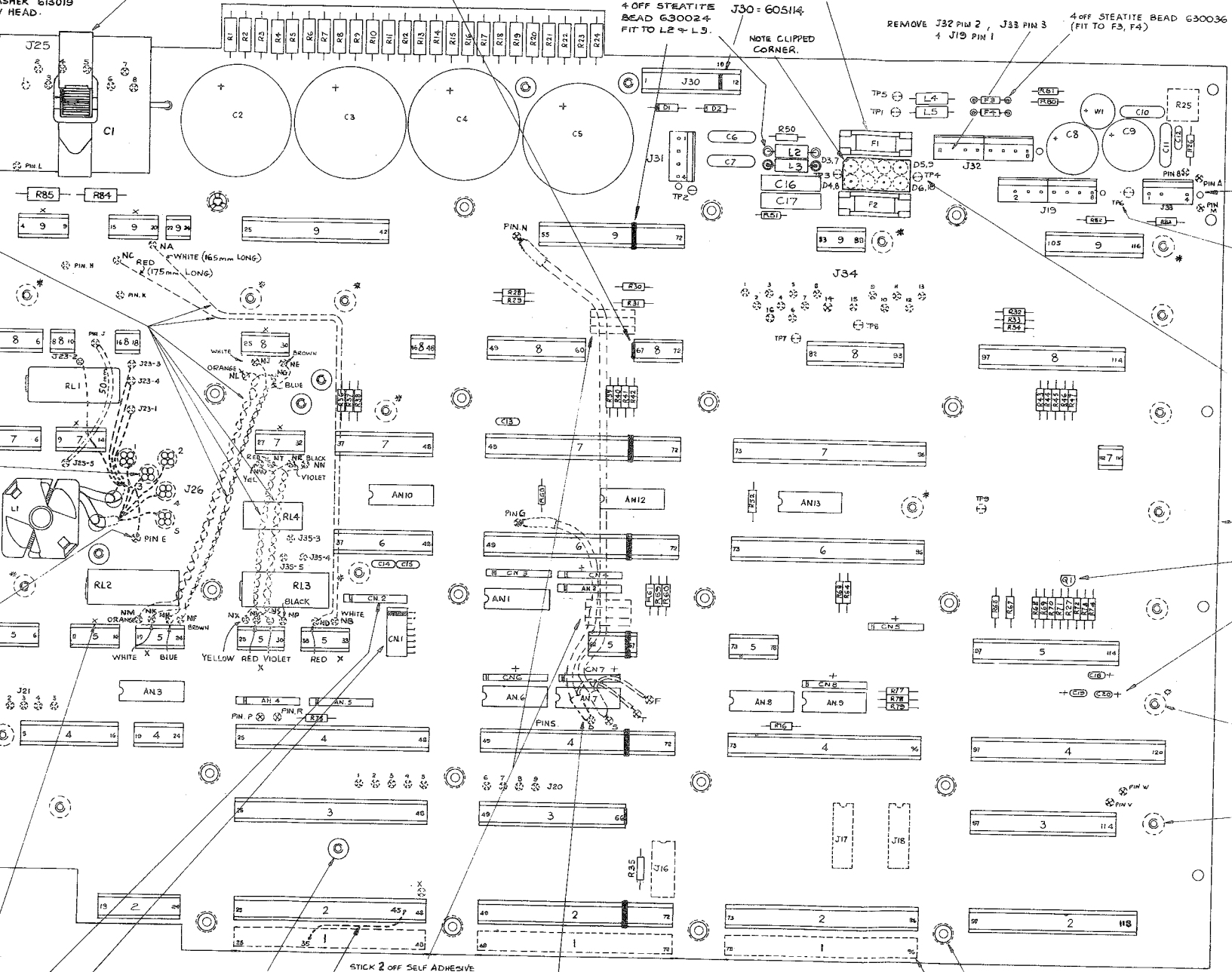
- J23-1 RED
- J23-2 WHITE
- J23-3 BLUE
- J23-4 BROWN
- PIN E YELLOW
- J26-1 RED
- J26-2 WHITE
- J26-3 YELLOW
- J26-4 BLUE
- J26-5 BROWN

ALL WIRE JOINTS
ON BOTTOM OF PCB MUST BE AS
SHOWN WITHOUT SLEEVING.

60 OFF SOLDER TURRET MOUNTED
FROM UNDERSIDE (SOLDER SIDE)
OF PCB G20006

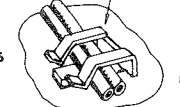
* INDICATES G+G SOCKETS WITH
MISSING PINS (605091) 3 OFF

MOUNT CNE & CN3 ON
GLASS BEADS 630243
PLACED ONE ON EACH
END LEAD 4 OFF

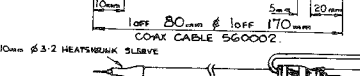


12 OFF STANDOFF M3X4mm 612004
FIT 6 FROM COMPONENT SIDE
AND 6 FROM SOLDER SIDE

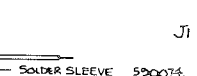
STICK 2 OFF SELF ADHESIVE
CABLE CLIP 630250 TO
UNDERSIDE OF PCB AS SHOWN



65mm 7/0.2 PTFE INSULATED WHITE WIRE
512595, 5mm STRIPPED EACH END.



20 OFF NYLATCH GROMMET 617011
20 OFF NYLATCH PLUNGER 617010



J1 = 605111 30 OFF

10mm #3-2 HEATSHRINK SLEEVE

SOLDER SLEEVE 590007

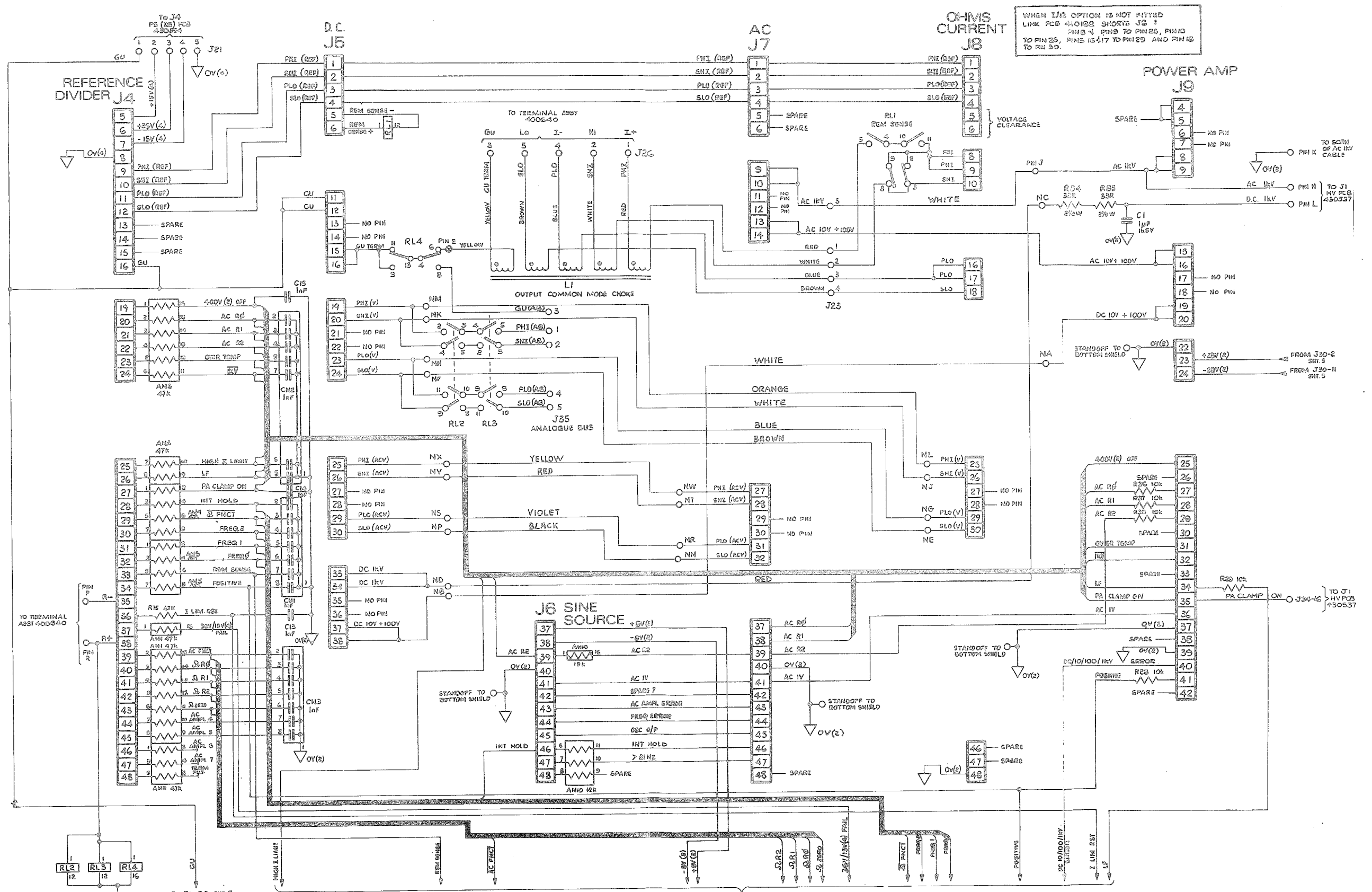
Connectors and Pin Numbers Page

J1	25-96		11.16-4
J2	13-118		11.16-4
J3	25-66	97-114	11.16-4
J4	5-16	19-48	11.16-1
	49-96		11.16-2
	97-120		11.16-4
J5	1-6	11-16	11.16-1
	19-30	33-38	11.16-1
	62-67	73-78	11.16-2
	97-114		11.16-3
J6	37-48		11.16-1
	49-96		11.16-2
J7	1-6	9-14	11.16-1
	27-32	37-48	11.16-1
	49-96		11.16-2
	112-114		11.16-3
J8	1-6	8-10	11.16-1
	16-18	25-30	11.16-1
	46-48		11.16-1
	49-60	67-72	11.16-2
	82-93		11.16-2
	97-114		11.16-3
J9	4-9	15-20	11.16-1
	22-42		11.16-1
	55-72	83-88	11.16-2
	105-116		11.16-3
J16/J17/J18	1-16		11.16-4
J19	1-8		11.16-3
J20	1-9		11.16-4
J21/J23/J26	1-5		11.16-1
J25	1-8		11.16-2
J30	1-2	6-7	11.16-5
	11-12		11.16-5
J31/33	1-4		11.16-5
J32	1-8		11.16-5
J34	1-2		11.16-5
	3-15		11.16-2
	16		11.16-1
Pins:	A; B; C; M		11.16-5
	D; F; G; N; S; T		11.16-2
	E; H; J; K; L; P; R		11.16-1
	V; W; X		11.16-4

MOTHER ASSEMBLY
EDGE CONNECTOR PIN INDEX

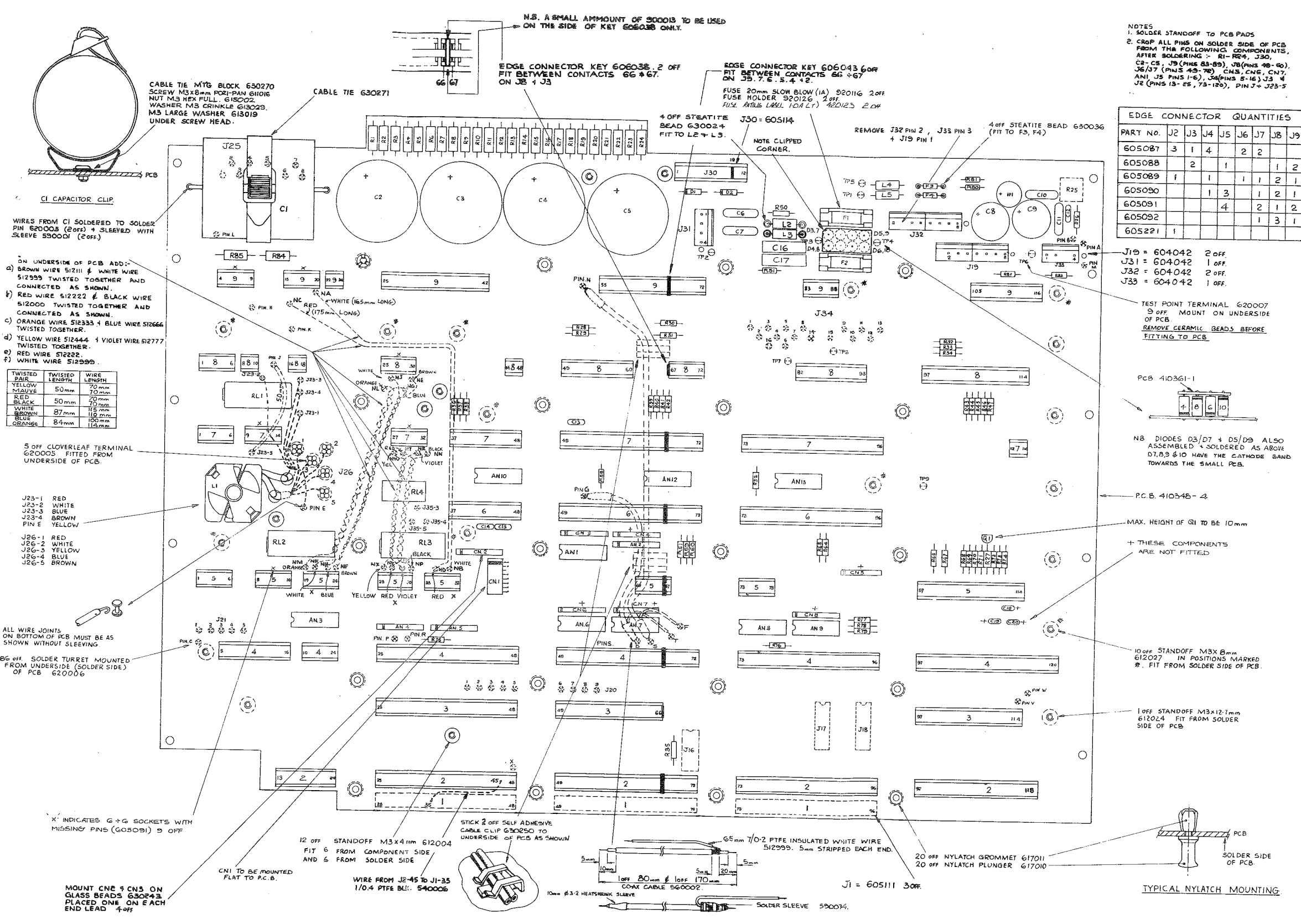


MOTHER ASSEMBLY



WHEN I/A OPTION IS NOT FITTED
LINK PCB 410102 SHORTS J8 PINS 2
PINS 4, PHZ TO PINS 5, PHZ
TO PIN 25. PINS 15-17 TO PIN 29 AND PINS 18
TO PIN 30.

CONT ON SHEET 2



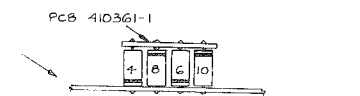
NOTES
 1. SOLDER STANDOFF TO PCB PADS
 2. CROP ALL PINS ON SOLDER SIDE OF PCB FROM THE FOLLOWING COMPONENTS, AFTER SOLDERING: R1-RE, J30, CR-CS, J9 (PINS 83-89), J8 (PINS 98-66), J6/J7 (PINS 48-78), CN3, CN6, CN7, AN1, J5 (PINS 1-6), J4 (PINS 5-16), J3 & J2 (PINS 13-25, 73-120), PIN 7- J23-5

EDGE CONNECTOR QUANTITIES

PART NO.	J2	J3	J4	J5	J6	J7	J8	J9
605087	3	1	4		2	2		
605088		2		1			1	2
605089	1		1		1	1	2	1
605090			1	3		1	2	1
605091				4		2	1	2
605221	1					1	3	1

J19 = 604042 2 OFF
 J31 = 604042 1 OFF
 J32 = 604042 2 OFF
 J33 = 604042 1 OFF

TEST POINT TERMINAL 620007
 9 OFF MOUNT ON UNDERSIDE OF PCB.
 REMOVE CERAMIC BEADS BEFORE FITTING TO PCB.



NB DIODES D3/D7 & D5/D9 ALSO ASSEMBLED & SOLDERED AS ABOVE D7, D9 & D10 HAVE THE CATHODE BAND TOWARDS THE SMALL PCB.

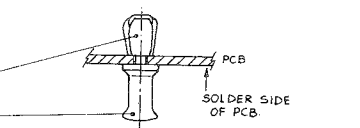
PCB 410348-4

MAX. HEIGHT OF Q1 TO BE 10mm

+ THESE COMPONENTS ARE NOT FITTED

10 OFF STANDOFF MSX 8mm 612007 IN POSITIONS MARKED * FIT FROM SOLDER SIDE OF PCB.

1 OFF STANDOFF M3X12.7mm 612024 FIT FROM SOLDER SIDE OF PCB

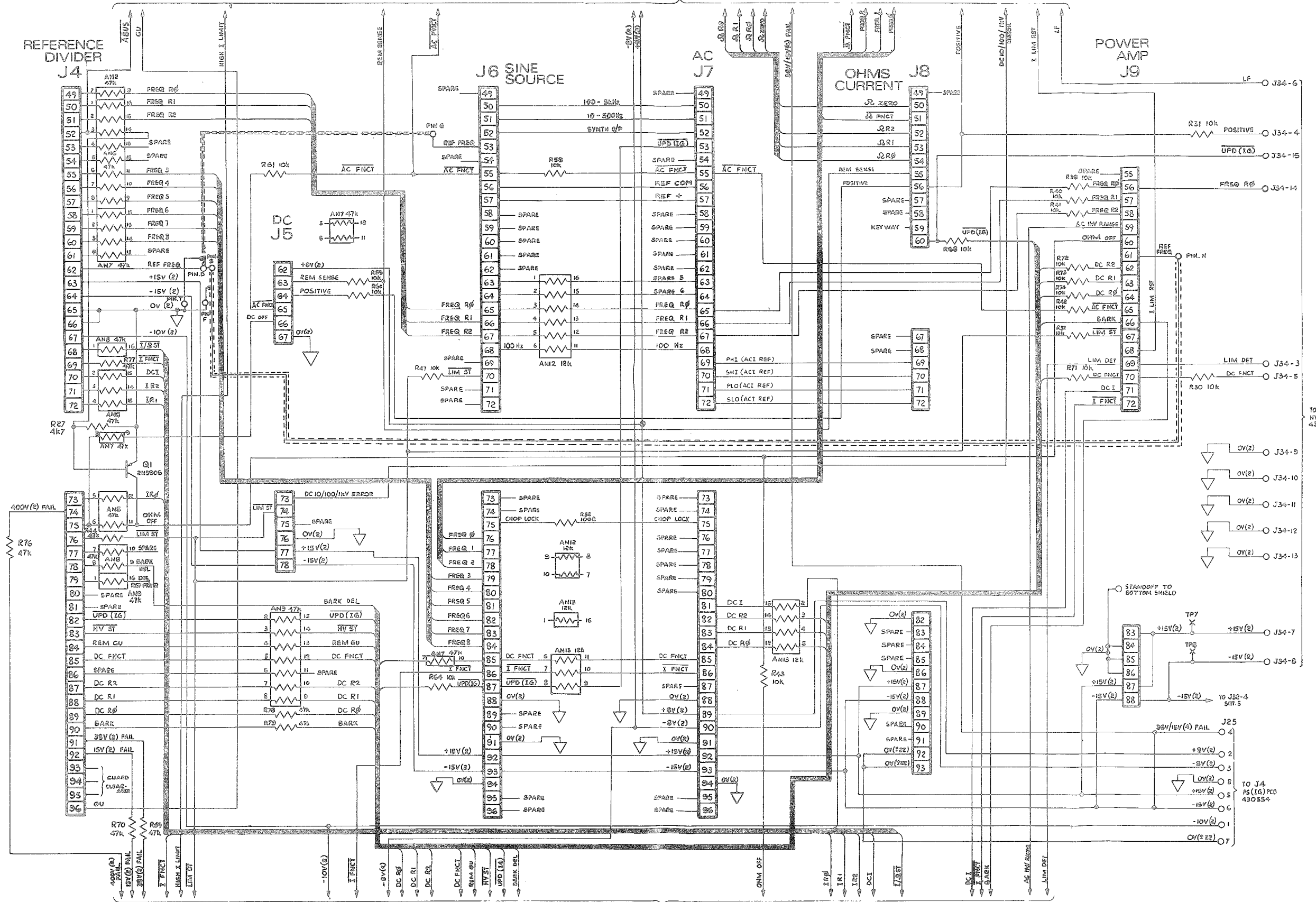


Connectors and Pin Numbers Page

J1	25-96	11.16-4
J2	13-118	11.16-4
J3	25-66	97-114 11.16-4
J4	5-16	19-48 11.16-1
	49-96	11.16-2
	97-120	11.16-4
J5	1-6	11-16 11.16-1
	19-30	33-38 11.16-1
	62-67	73-78 11.16-2
	97-114	11.16-3
J6	37-48	11.16-1
	49-96	11.16-2
J7	1-6	9-14 11.16-1
	27-32	37-48 11.16-1
	49-96	11.16-2
	112-114	11.16-3
J8	1-6	8-10 11.16-1
	16-18	25-30 11.16-1
	46-48	11.16-1
	49-60	67-72 11.16-2
	82-93	11.16-2
	97-114	11.16-3
J9	4-9	15-20 11.16-1
	22-42	11.16-1
	55-72	83-88 11.16-2
	105-116	11.16-3
J16/J17/J18	1-16	11.16-4
J19	1-8	11.16-3
J20	1-9	11.16-4
J21/J23/J26	1-5	11.16-1
J25	1-8	11.16-2
J30	1-2	6-7 11.16-5
	11-12	11.16-5
J31/33	1-4	11.16-5
J32	1-8	11.16-5
J34	1-2	11.16-5
	3-15	11.16-2
	16	11.16-1
Pins:	A; B; C; M	11.16-5
	D; F; G; N; S; T	11.16-2
	E; H; J; K; L; P; R	11.16-1
	V; W; X	11.16-4

MOTHER ASSEMBLY
 EDGE CONNECTOR PIN INDEX





TO J1 HV PCB 430537

- OV(2) J34-9
- OV(2) J34-10
- OV(2) J34-11
- OV(2) J34-12
- OV(2) J34-13

- OV(2) J34-7
- OV(2) J34-8
- OV(2) J34-14
- OV(2) J34-15

- TO J4 PS (16) PCB 430554
- OV(2) 2
- OV(2) 3
- OV(2) 4
- OV(2) 5
- OV(2) 6
- OV(2) 7

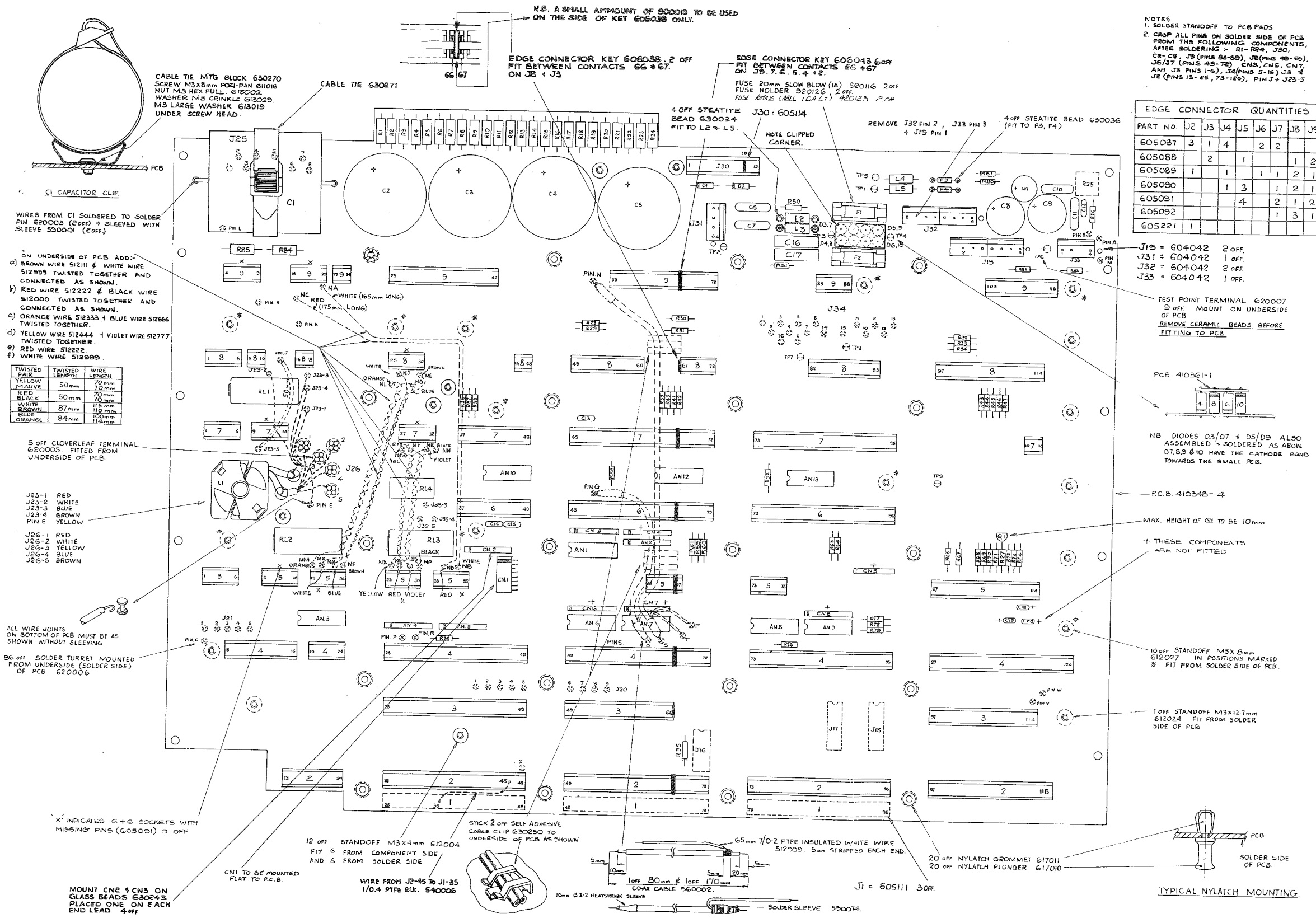
MOTHER ASSEMBLY

Circuit Diagram No. 430604-3.0 Sheet 2



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11.16-2

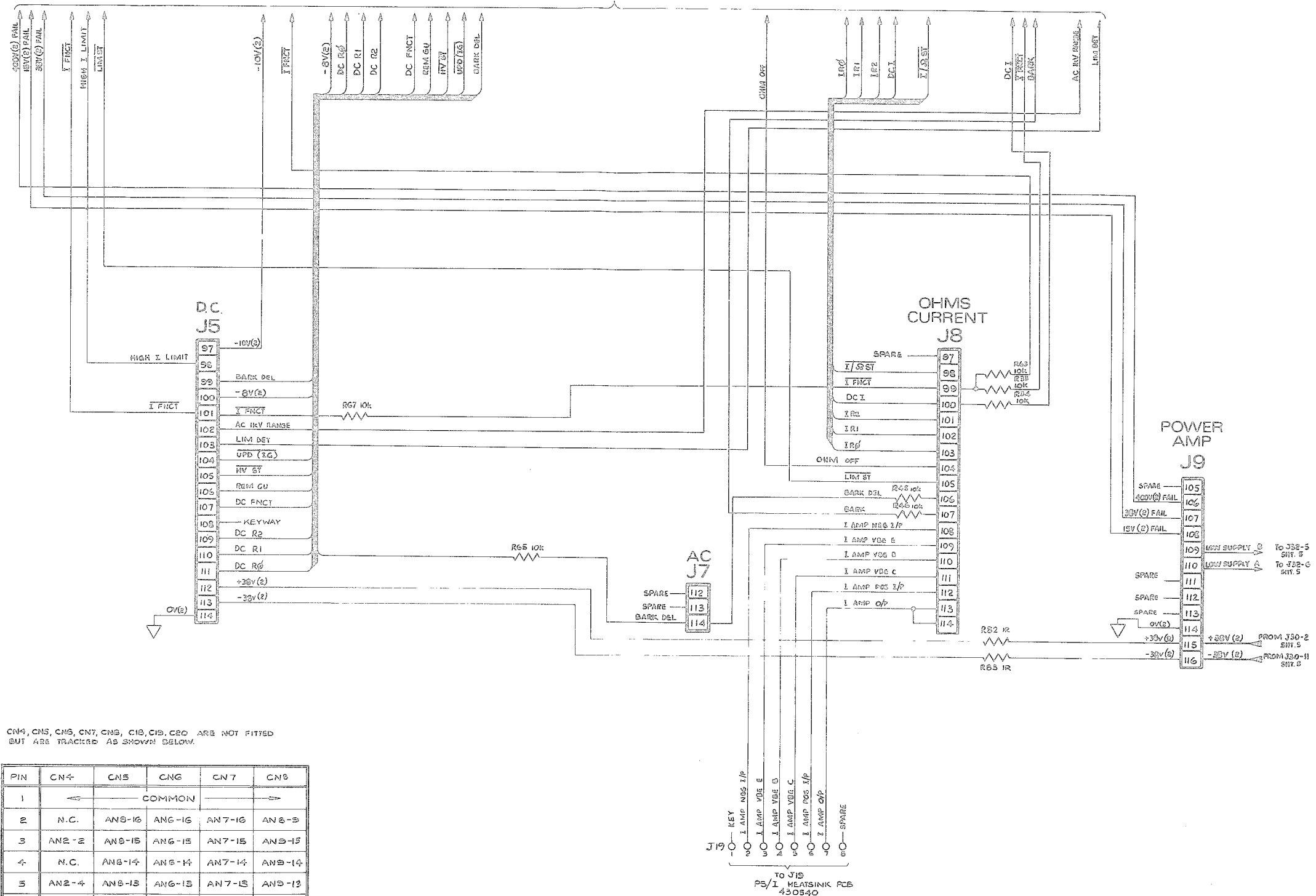


Connectors and Pin Numbers	Page
J1 25-96	11.16-4
J2 13-118	11.16-4
J3 25-66 97-114	11.16-4
J4 5-16 19-48	11.16-1
49-96	11.16-2
97-120	11.16-4
J5 1-6 11-16	11.16-1
19-30 33-38	11.16-1
62-67 73-78	11.16-2
97-114	11.16-3
J6 37-48	11.16-1
49-96	11.16-2
J7 1-6 9-14	11.16-1
27-32 37-48	11.16-1
49-96	11.16-2
112-114	11.16-3
J8 1-6 8-10	11.16-1
16-18 25-30	11.16-1
46-48	11.16-1
49-60 67-72	11.16-2
82-93	11.16-2
97-114	11.16-3
J9 4-9 15-20	11.16-1
22-42	11.16-1
55-72 83-88	11.16-2
105-116	11.16-3
J16/J17/J18 1-16	11.16-4
J19 1-8	11.16-3
J20 1-9	11.16-4
J21/J23/J26 1-5	11.16-1
J25 1-8	11.16-2
J30 1-2 6-7	11.16-5
11-12	11.16-5
J31/33 1-4	11.16-5
J32 1-8	11.16-5
J34 1-2 11.16-5	
3-15 11.16-2	
16 11.16-1	
Pins: A; B; C; M 11.16-5	
D; F; G; N; S; T 11.16-2	
E; H; J; K; L; P; R 11.16-1	
V; W; X 11.16-4	

**MOTHER ASSEMBLY
EDGE CONNECTOR PIN INDEX**



MOTHER ASSEMBLY



CN4, CN5, CN6, CN7, CN8, CN9, CN10, CN11, CN12 ARE NOT FITTED BUT ARE TRACKED AS SHOWN BELOW.

PIN	CN4	CN5	CN6	CN7	CN8
1		COMMON			
2	N.C.	AN5-16	AN6-16	AN7-16	AN8-16
3	AN2-2	AN3-15	AN4-15	AN5-15	AN6-15
4	N.C.	AN3-14	AN4-14	AN5-14	AN6-14
5	AN2-4	AN3-13	AN4-13	AN5-13	AN6-13
6	AN2-6	AN3-12	AN4-12	AN5-12	AN6-12
7	N.C.	AN3-11	AN4-11	AN5-11	AN6-11
8	AN2-8 (76-62)	N.C.	AN6-10	AN5-10	AN6-10

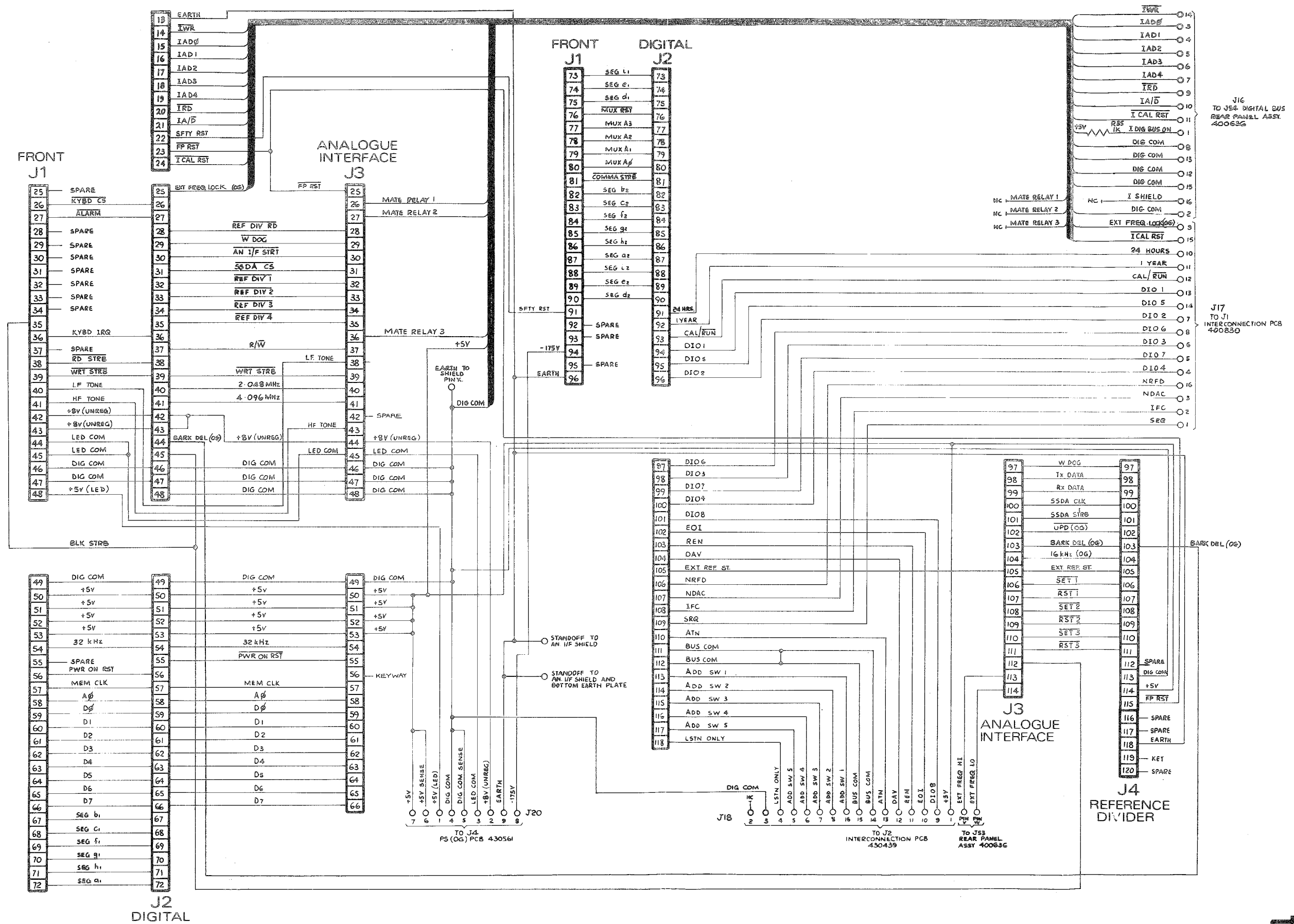
C18 - R77
 C19 - R78
 C20 - R79

MOTHER ASSEMBLY

Circuit Diagram No. 430604-3.0 Sheet 3



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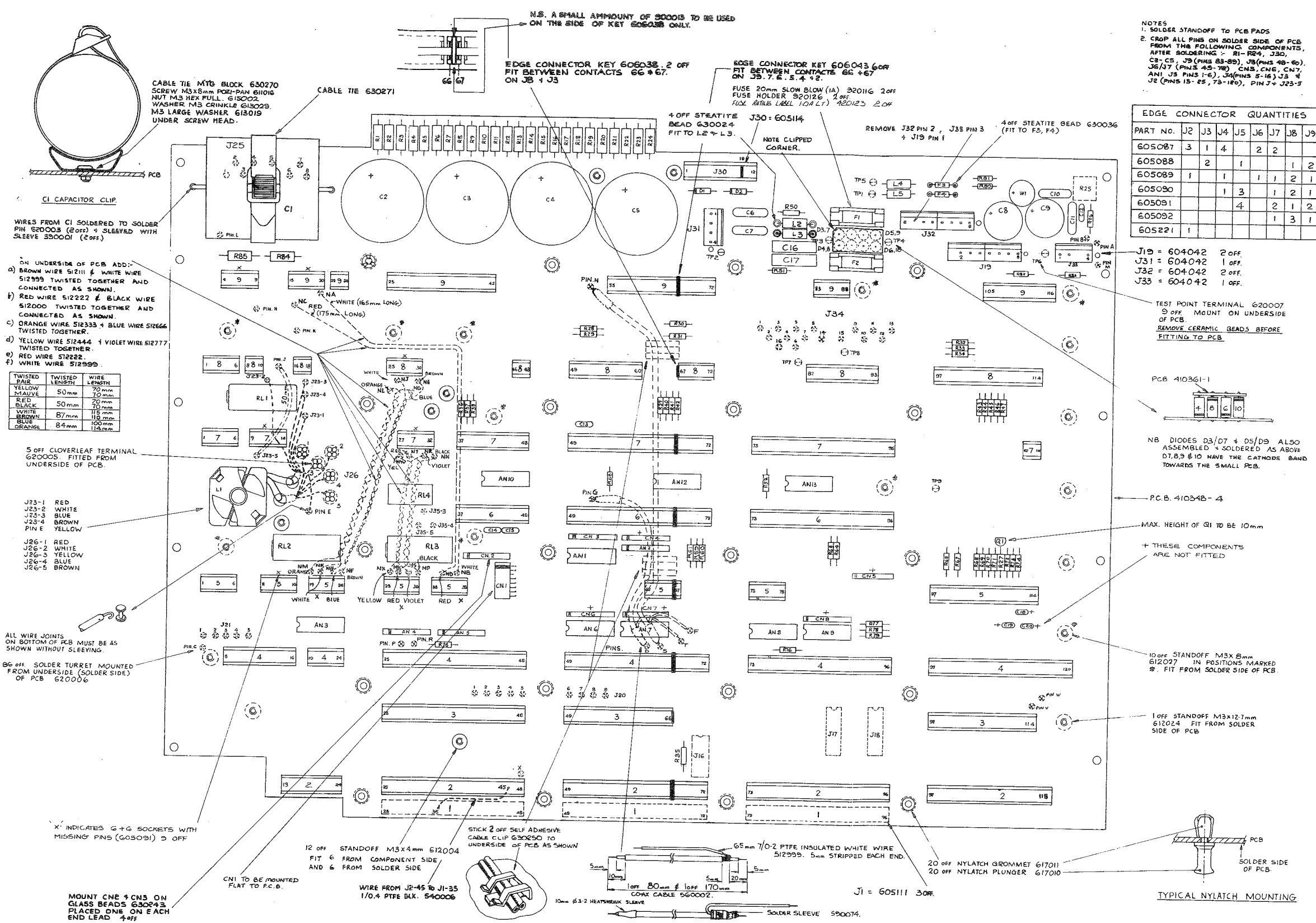


MOTHER ASSEMBLY

Circuit Diagram No. 430604-3.1 Sheet 4



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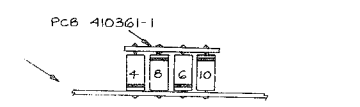


NOTES
 1. SOLDER STANDOFF TO PCB PADS
 2. CROP ALL PINS ON SOLDER SIDE OF PCB FROM THE FOLLOWING COMPONENTS, AFTER SOLDERING - R1-R24, J30, C2-C5, J9 (PINS 83-85), J8 (PINS 48-60), J6/J7 (PINS 43-78), C8B, C8G, C8T, AN1, J3 (PINS 1-6), J4 (PINS 5-16), J3 & J2 (PINS 15-25, 78-105), PIN 7 & J23-5

PART NO.	J2	J3	J4	J5	J6	J7	J8	J9
605087	3	1	4		2	2		
605088		2		1			1	2
605089	1		1		1	1	1	2
605090			1	3		1	2	1
605091			4		2	1	2	
605092						1	3	1
605221	1							

J19 = 604042 2 OFF
 J31 = 604042 1 OFF
 J32 = 604042 2 OFF
 J33 = 604042 1 OFF

TEST POINT TERMINAL G20007
 9 OFF MOUNT ON UNDERSIDE OF PCB
 REMOVE CERAMIC BEADS BEFORE FITTING TO PCB



NB DIODES D3, D7 & D9 ALSO ASSEMBLED & SOLDERED AS ABOVE. D7, 8 & 10 HAVE THE CATHODE BAND TOWARDS THE SMALL PCB.

P.C.B. 41034B-4

MAX. HEIGHT OF G1 TO BE 10mm
 + THESE COMPONENTS ARE NOT FITTED

10 OFF STANDOFF M3X4mm G12004 IN POSITIONS MARKED * FIT FROM SOLDER SIDE OF PCB.

1 OFF STANDOFF M3X12.7mm G12024 FIT FROM SOLDER SIDE OF PCB

20 OFF NYLATCH GROMMET G17011
 20 OFF NYLATCH PLUNGER G17010

TI = 605111 3 OFF

10mm G3-2 HEATSHRINK SLEEVE

5mm 10mm 80mm 10mm 170mm
 COAX CABLE G60002

5mm 5mm 5mm
 SOLDER SLEEVE 590074

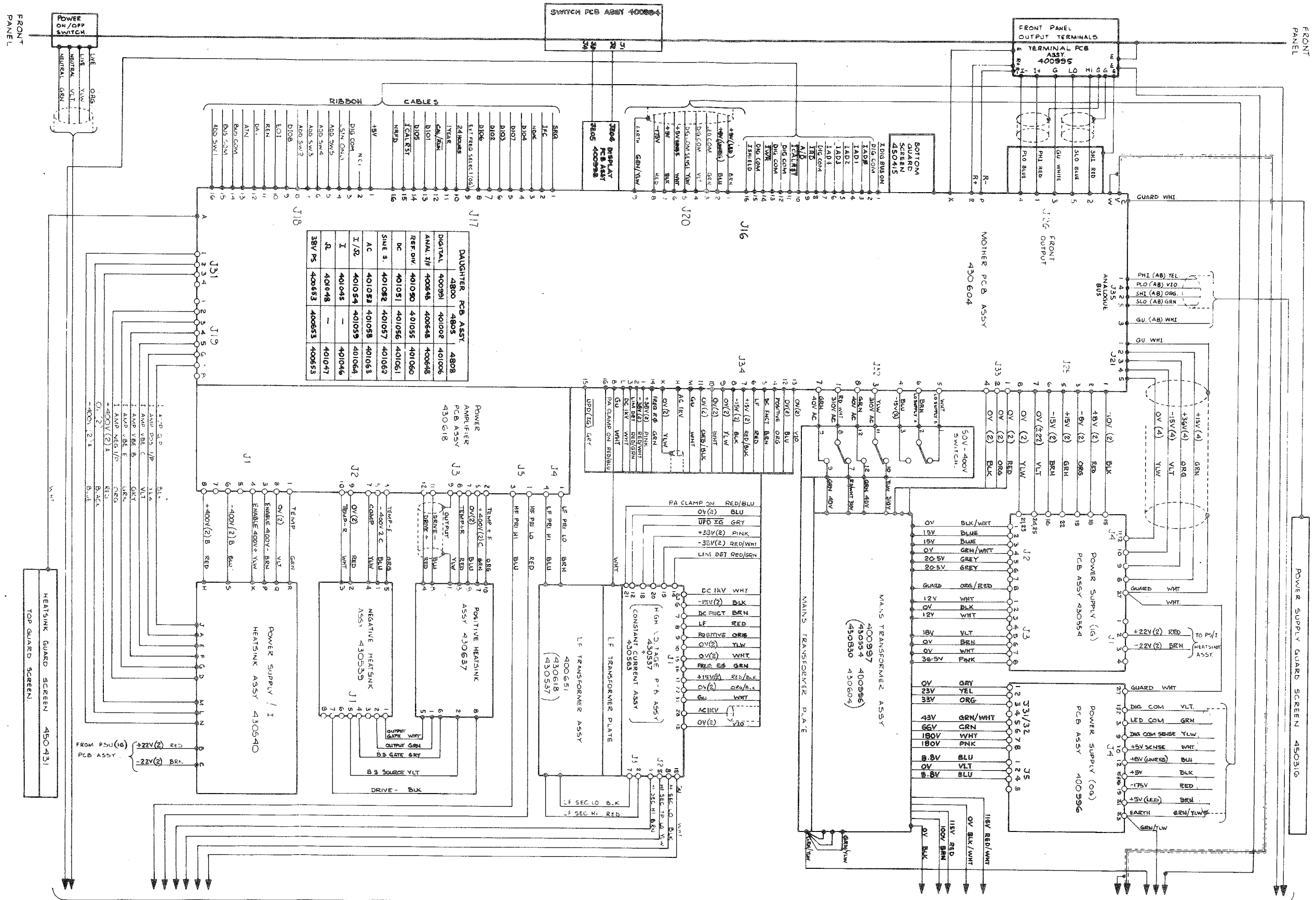
TYPICAL NYLATCH MOUNTING

Connectors and Pin Numbers Page

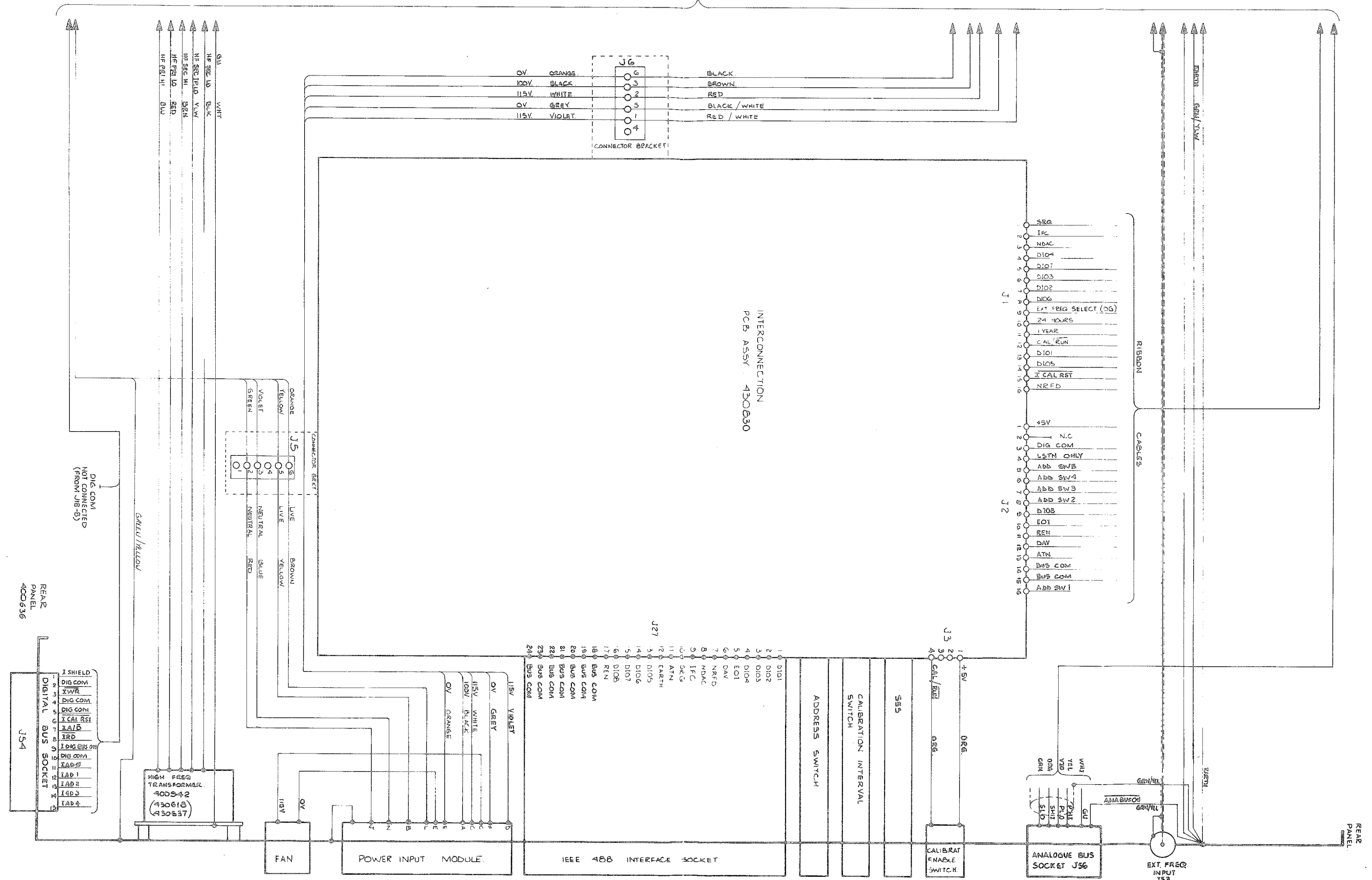
J1	25-96		11.16-4
J2	13-118		11.16-4
J3	25-66	97-114	11.16-4
J4	5-16	19-48	11.16-1
	49-96		11.16-2
	97-120		11.16-4
J5	1-6	11-16	11.16-1
	19-30	33-38	11.16-1
	62-67	73-78	11.16-2
	97-114		11.16-3
J6	37-48		11.16-1
	49-96		11.16-2
J7	1-6	9-14	11.16-1
	27-32	37-48	11.16-1
	49-96		11.16-2
	112-114		11.16-3
J8	1-6	8-10	11.16-1
	16-18	25-30	11.16-1
	46-48		11.16-1
	49-60	67-72	11.16-2
	82-93		11.16-2
	97-114		11.16-3
J9	4-9	15-20	11.16-1
	22-42		11.16-1
	55-72	83-88	11.16-2
	105-116		11.16-3
J16/J17/J18	1-16		11.16-4
J19	1-8		11.16-3
J20	1-9		11.16-4
J21/J23/J26	1-5		11.16-1
J25	1-8		11.16-2
J30	1-2	6-7	11.16-5
	11-12		11.16-5
J31/33	1-4		11.16-5
J32	1-8		11.16-5
J34	1-2		11.16-5
	3-15		11.16-2
	16		11.16-1
Pins:	A; B; C; M		11.16-5
	D; F; G; N; S; T		11.16-2
	E; H; J; K; L; P; R		11.16-1
	V; W; X		11.16-4

MOTHER ASSEMBLY
 EDGE CONNECTOR PIN INDEX



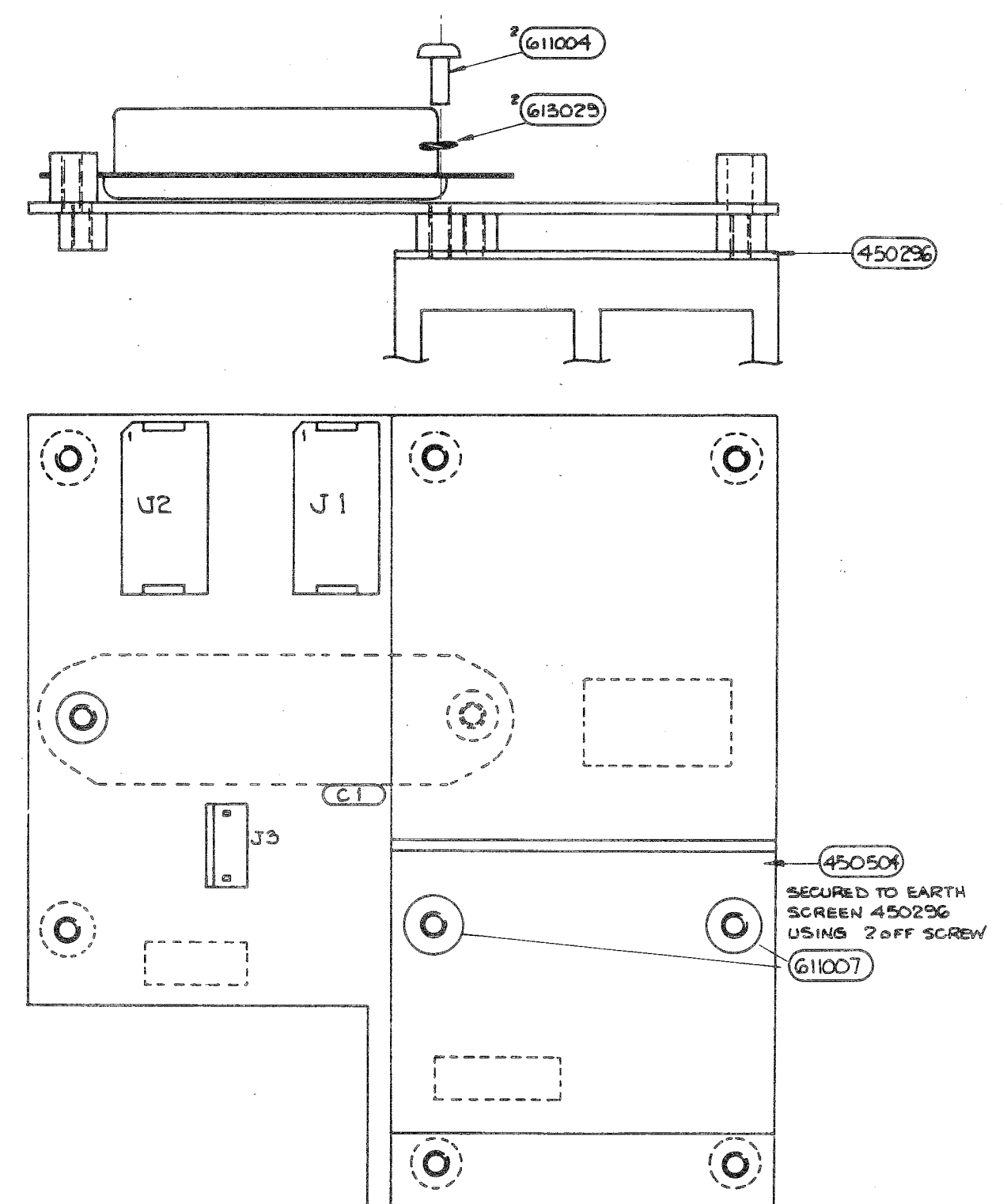
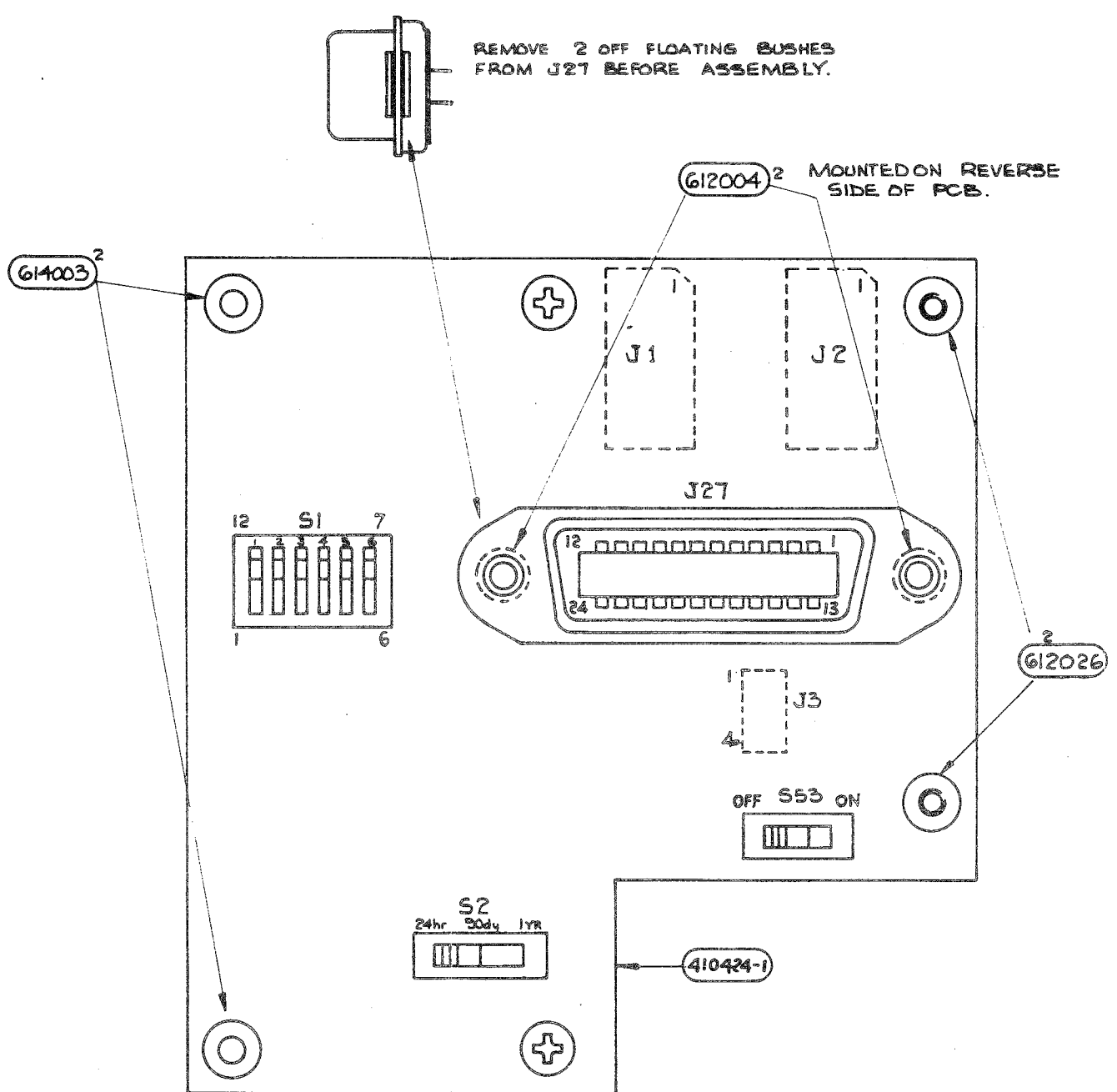


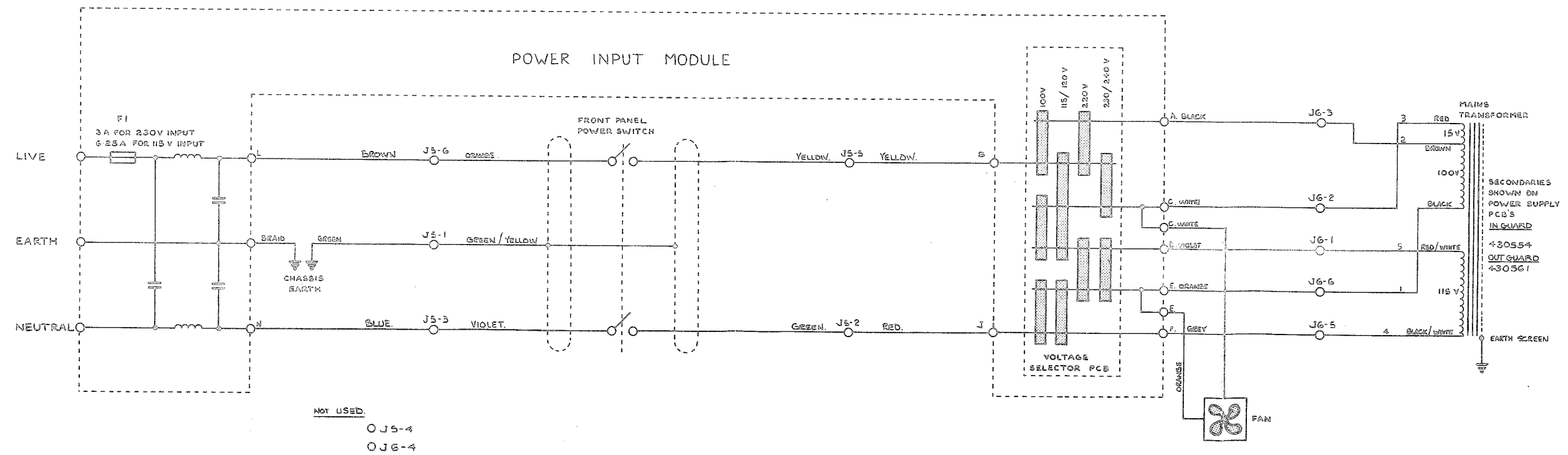
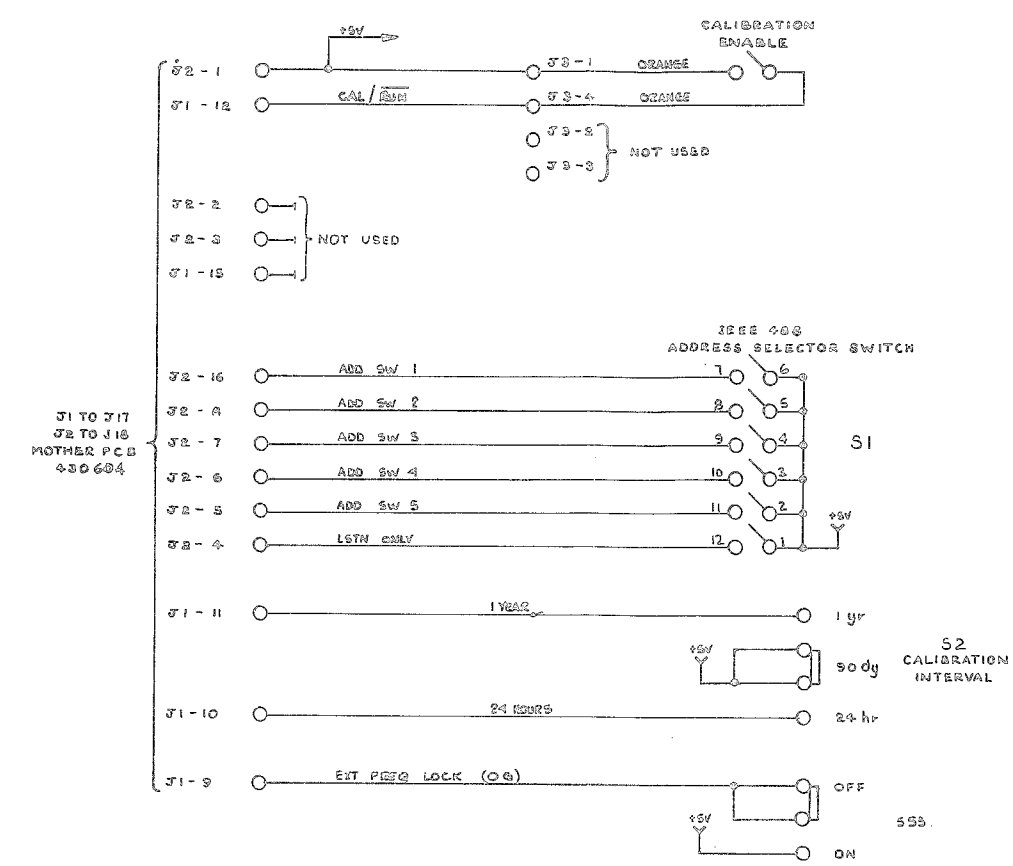
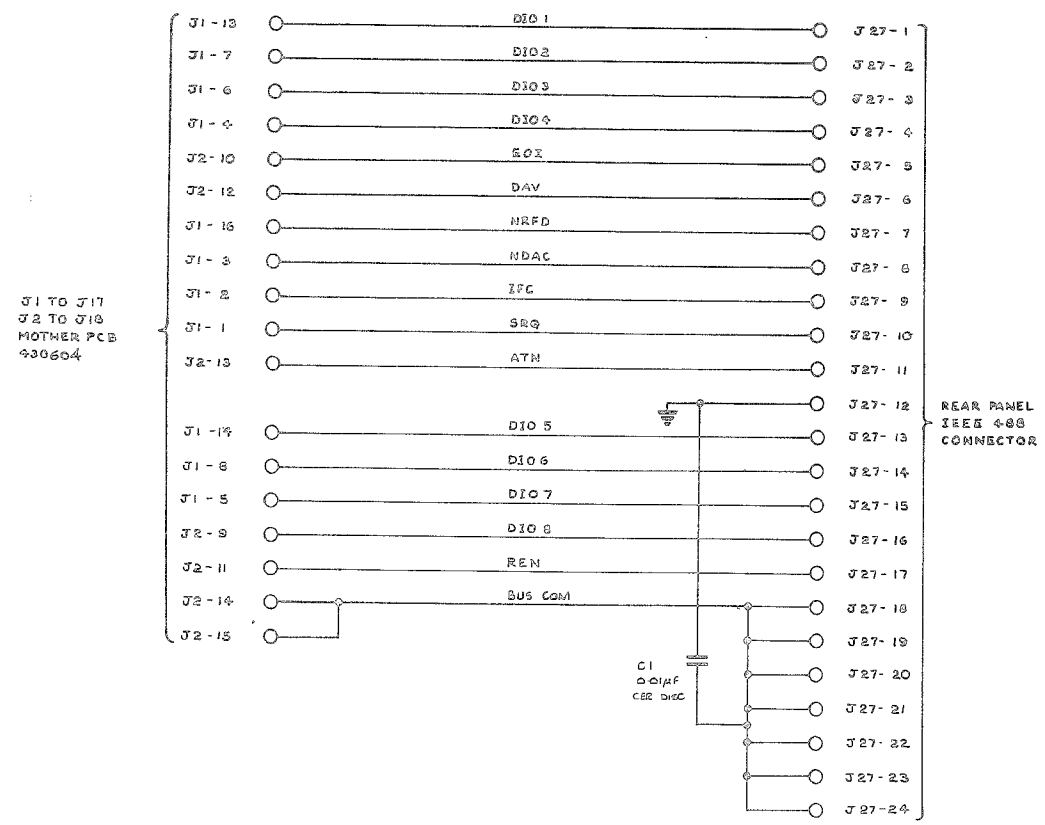
CONTINUED ON SHEET 2.



INTERCONNECTIONS





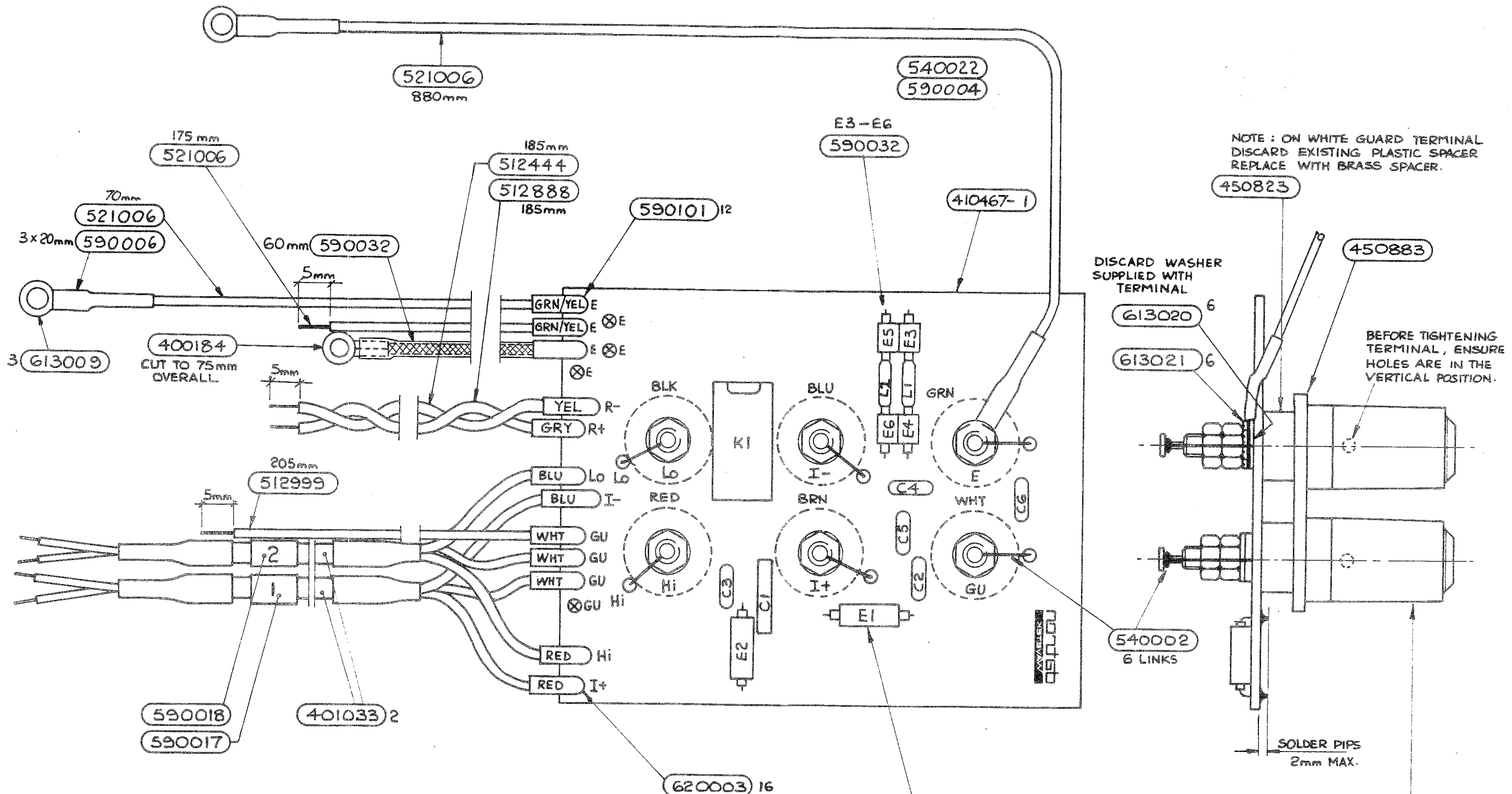


INTERCONNECTION ASSEMBLY

Circuit Diagram No. 430330-1.0 Sheet 1



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NOTE: ON WHITE GUARD TERMINAL
DISCARD EXISTING PLASTIC SPACER
REPLACE WITH BRASS SPACER.

DISCARD WASHER
SUPPLIED WITH
TERMINAL

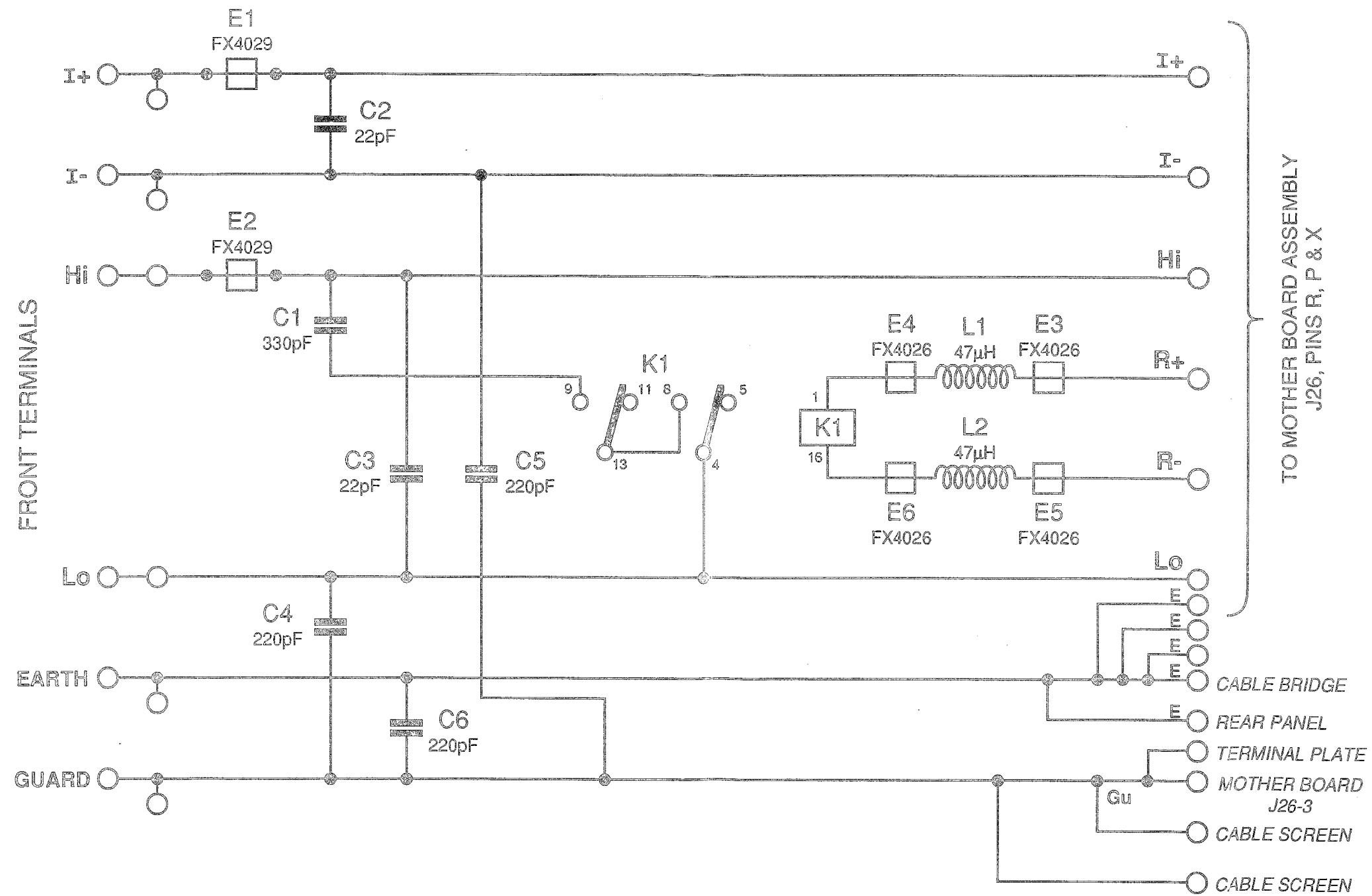
BEFORE TIGHTENING
TERMINAL, ENSURE
HOLES ARE IN THE
VERTICAL POSITION.

SOLDER PIPS
2mm MAX.

- TERMINAL ASSY. BLK 401027.
- TERMINAL ASSY. RED 401028
- TERMINAL ASSY BRN 401029
- TERMINAL ASSY BLU 401030
- TERMINAL ASSY WHT 401031
- TERMINAL ASSY GRN 401032



TERMINAL BOARD ASSEMBLY

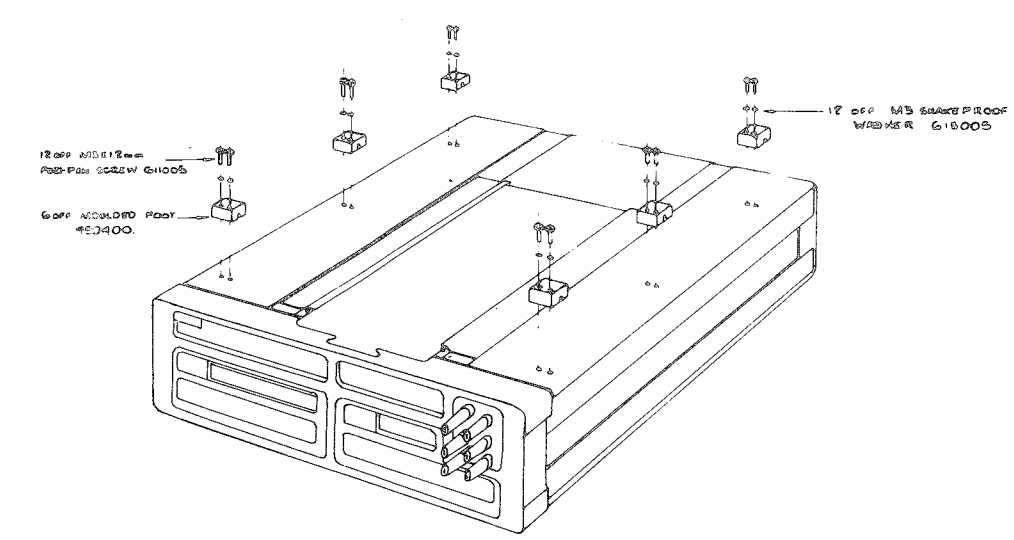
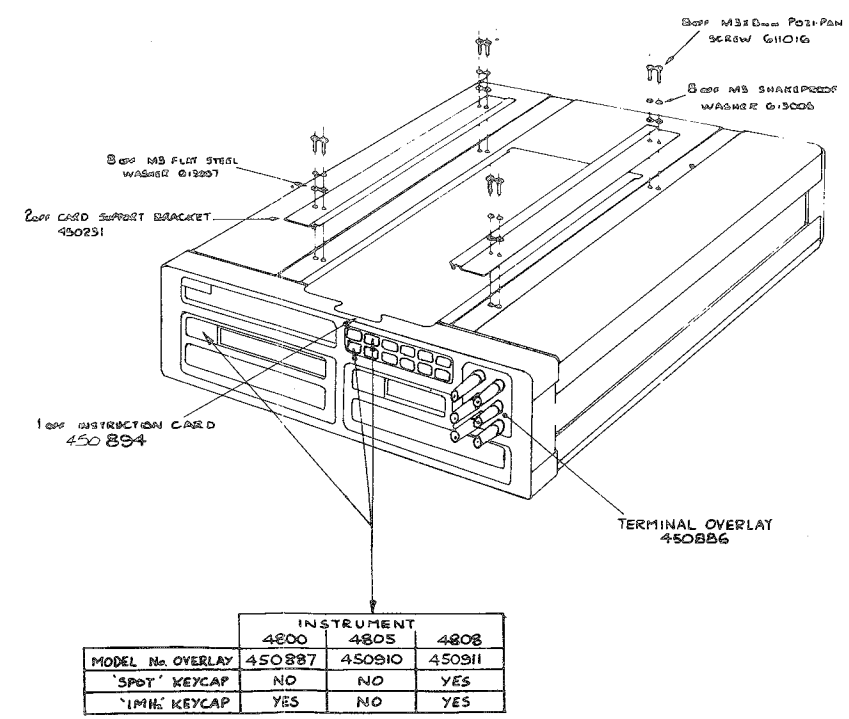
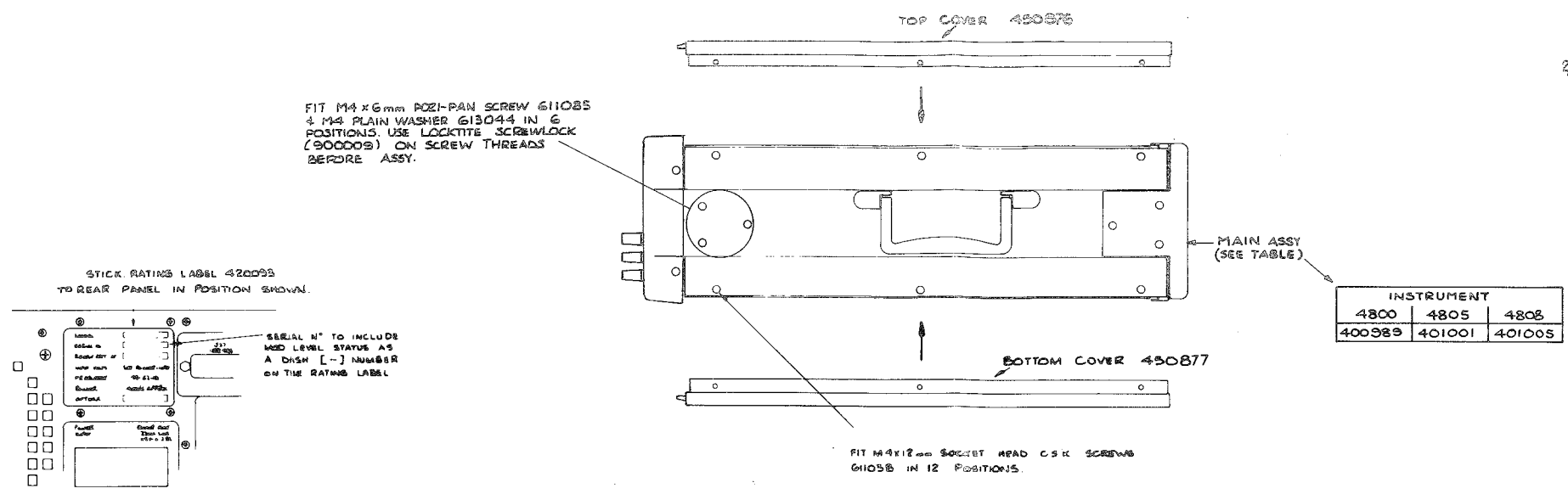


TERMINAL BOARD ASSEMBLY

Circuit Diagram No. DC400995-2.0

Sheet 1

NOTES:
 1. FIT INTO MAINTENANCE HANDBOOK I-
 1 off 920023 SA 1 1/4" ANTI-URGE FUSE.
 1 off 650103 2.5mm A/P HEX KEY.
 2 off CAL SWITCH KEYS (FROM REAR PANEL ASSY).
 2. LINK 'K' ON REF DIVIDER PCB ASSY
 IS TO BE MADE FOR INSTRUMENTS
 WITH H.V. OPTIONS FITTED & CUT IF
 NOT FITTED.

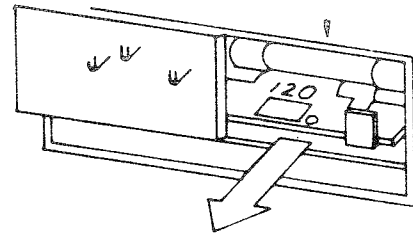


OPTION 80 115V 60HZ. KIT OF PARTS 440096.

PROCEDURE :-

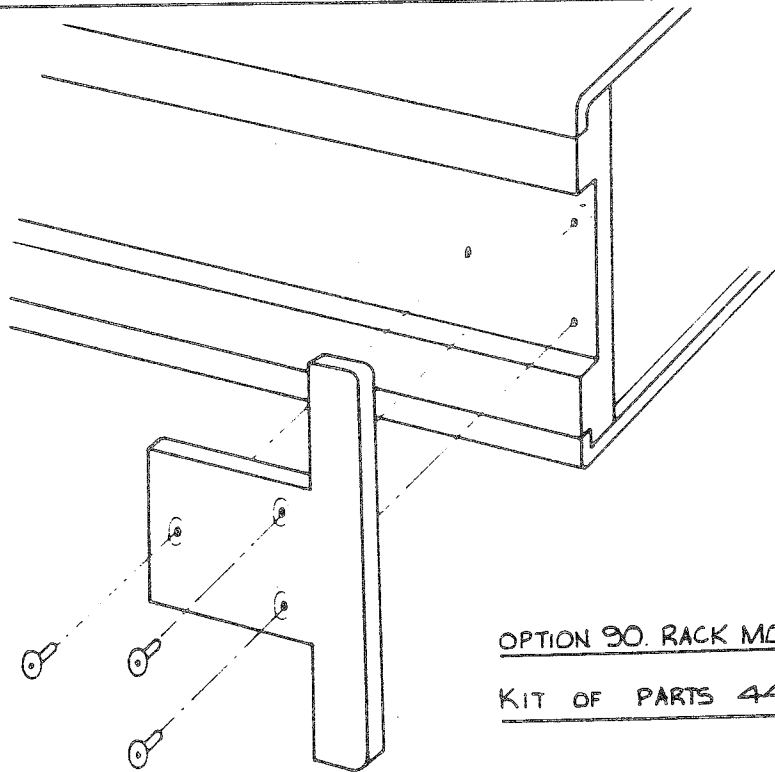
CHANGE MAINS FUSE TO:
B20117 6.25A 250V 1/4" SLO-B FUSE.

DETAIL FROM
REAR PANEL



SLIDE P.C.B FORWARD AND
REMOVE FROM MAINS FILTER,
INSERT SO THAT 120 IS
VISIBLE AS ABOVE.

1. CHANGE MAINS FUSE
2. CHANGE VOLTAGE P.C.B
3. ENSURE THAT CORRECT VOLTAGE AND FREQUENCY ARE STATED ON THE RATING LABEL.
4. ON FINAL CHECK, USE THE INST. INC. CERTIFICATE OF QUALITY CONFORMANCE FORM 93
5. REPLACE FUSE IN SERVICING MANUAL ACCESSORY WALLET WITH 6.25A 250V 1/4" SLO-B FUSE.



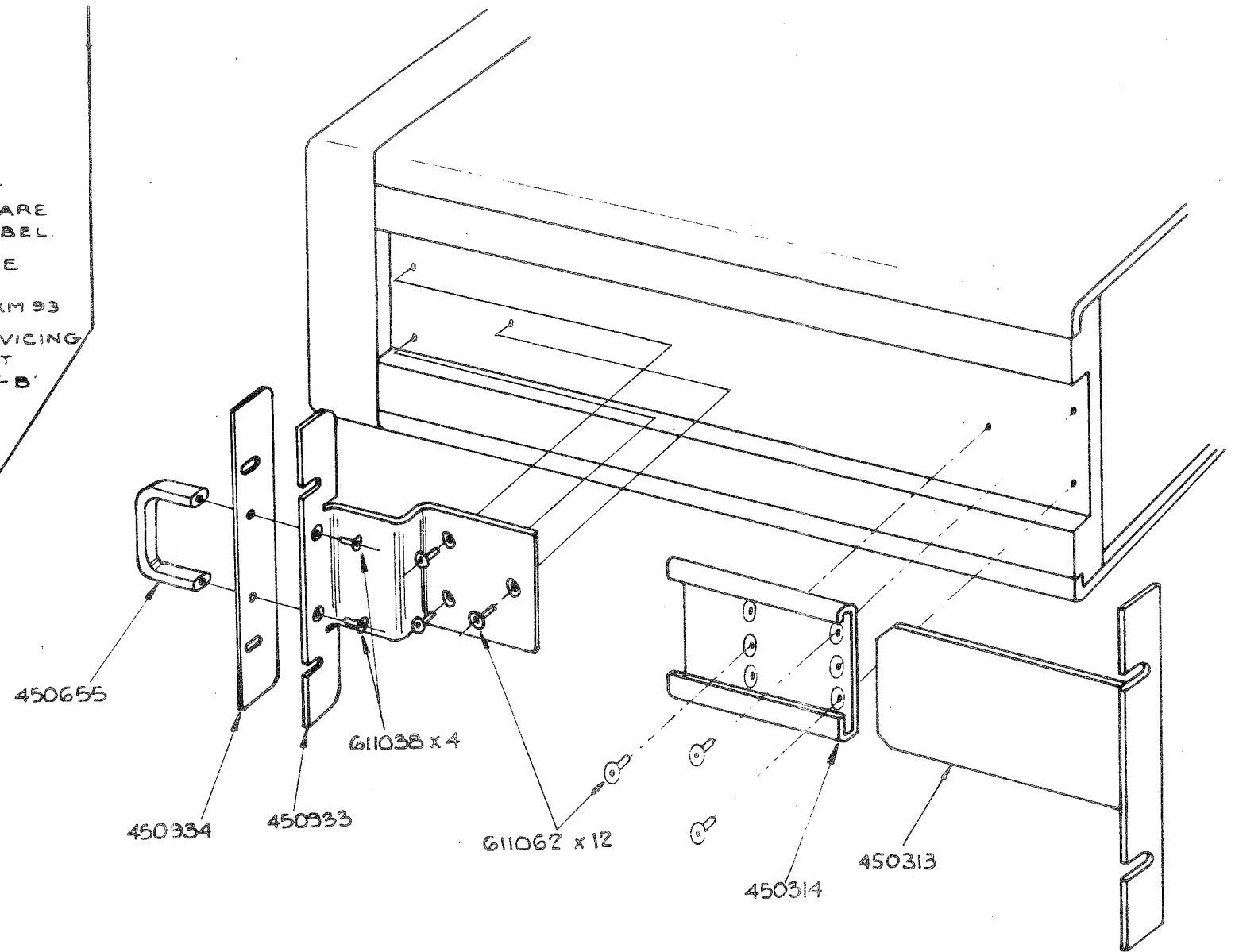
OPTION 90. RACK MOUNTING.

KIT OF PARTS 440170

①

REMOVE :-

- 2 OFF 450931 REAR SPACERS.
- 6 OFF 611038 M4X12mm SOCKET H'D C'SK SCREWS.



SUITABLE RACK DEPTHS

DEPTH		NOTES
MM.	INCHES	
< 675	< 26 1/2	SHORTEN REAR RACK MOUNTING EARS.
675 TO 775	26 1/2 TO 30 1/2	FIT AS SHOWN BY DRAWING.
775 TO 840	30 1/2 TO 33	REVERSE RACK MOUNTING SLIDES TO EXTEND PAST REAR PANEL.

INSTRUMENT ASSEMBLY

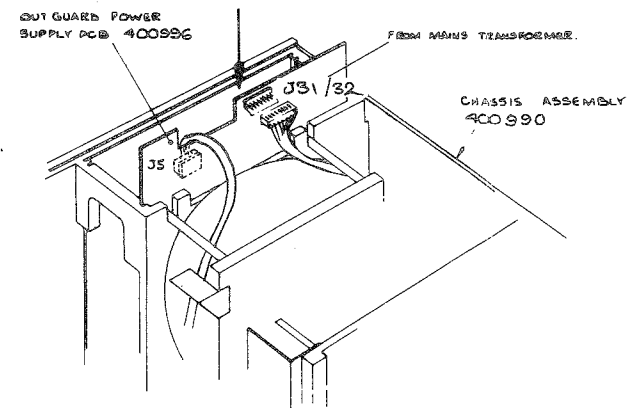
Layout Drawing No. DA400988-1.0 Sheet 2

4808
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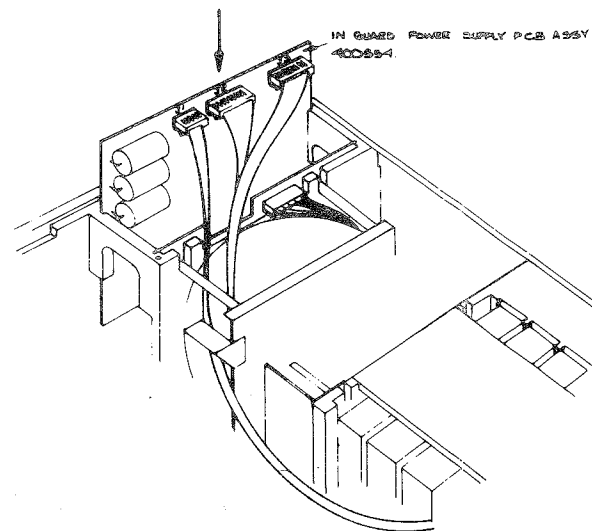
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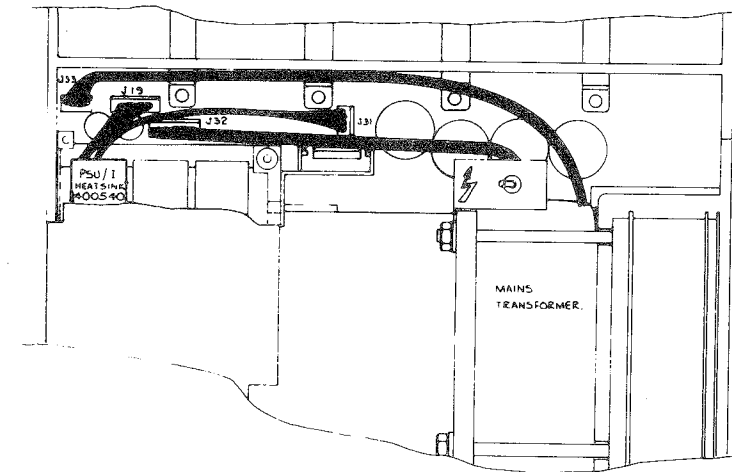
NOTE
 CLEAN ALL PCB EDGE CONTACTS WITH
 CLEANING FLUID 900010 BOTH BEFORE
 INITIAL ASSEMBLY & AT FINAL INSTRUMENT
 FINISHING
 STEPS. 2 3 5, 6 & 7

IN BOARD PSU PCB CONNECTIONS
 J1. FROM POWER SUPPLY HEATSINK.
 J2. FROM MAINS TRANSFORMER.
 J3. FROM MAINS TRANSFORMER.

2

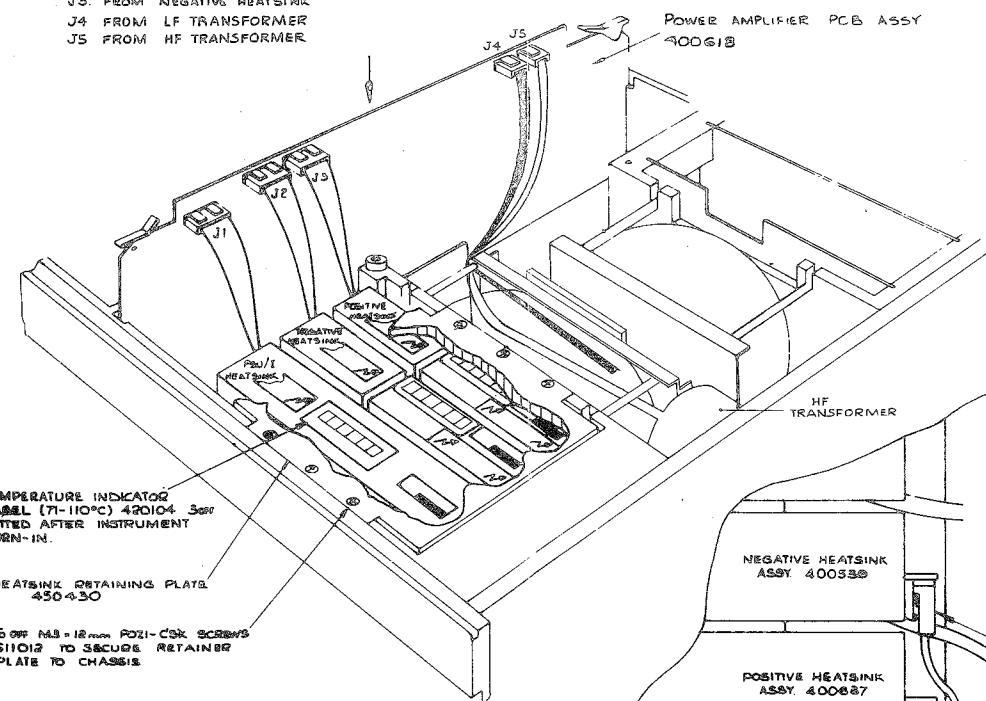


3



4

POWER AMP BOARD CONNECTIONS
 J1. FROM PSU/I HEATSINK.
 J2. FROM POSITIVE HEATSINK.
 J3. FROM NEGATIVE HEATSINK.
 J4. FROM LF TRANSFORMER
 J5. FROM HF TRANSFORMER



TEMPERATURE INDICATOR
 LABEL (71-110°C) 420104 30W
 FITTED AFTER INSTRUMENT
 BURN-IN.

HEATSINK OBTAINING PLATE
 450-330

6 OFF M3 x 12mm POZI-CSR SCREWS
 611012 TO SECURE RETAINER
 PLATE TO CHASSIS

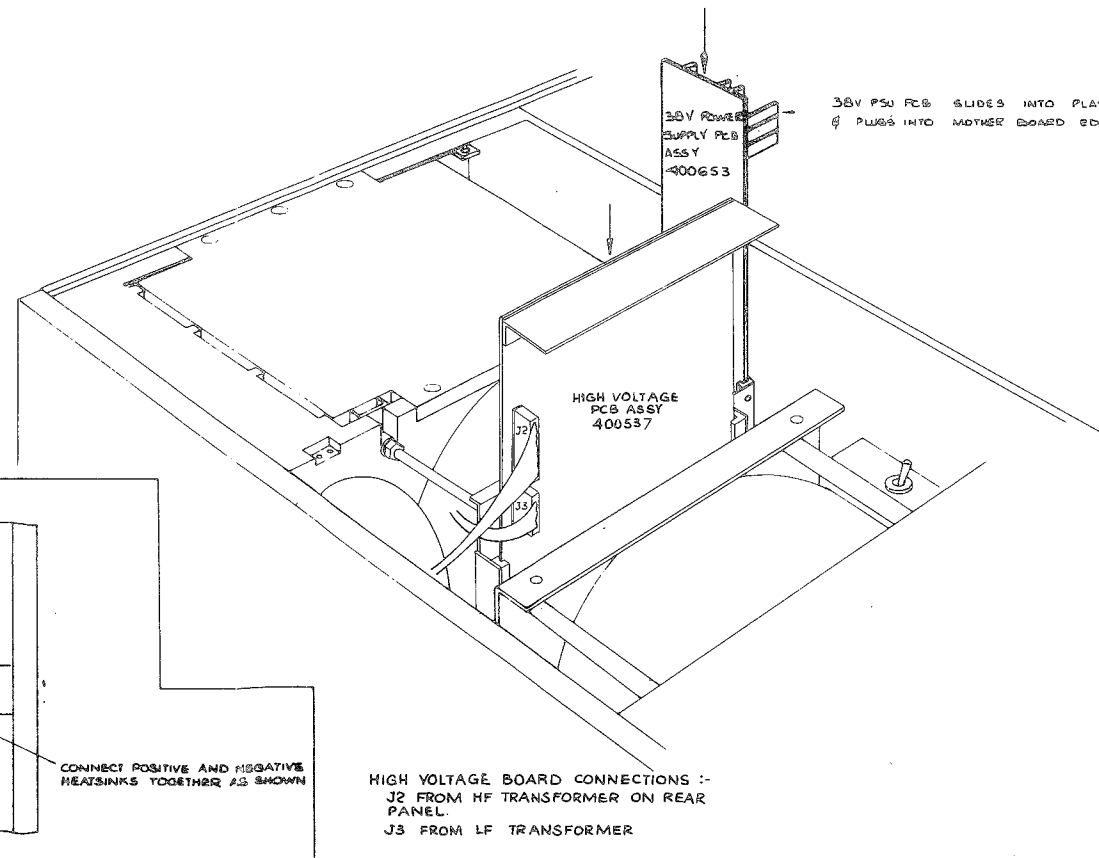
POWER AMPLIFIER PCB ASSY
 400618

HF TRANSFORMER

NEGATIVE HEATSINK
 ASSY 400638

POSITIVE HEATSINK
 ASSY 400637

5



38V PSU PCB SLIDES INTO PLASTIC GUIDES
 & PLUGS INTO MOTHER BOARD EDGE CONNECTOR.

HIGH VOLTAGE
 PCB ASSY
 400657

HIGH VOLTAGE BOARD CONNECTIONS :-
 J2 FROM HF TRANSFORMER ON REAR
 PANEL.
 J3 FROM LF TRANSFORMER

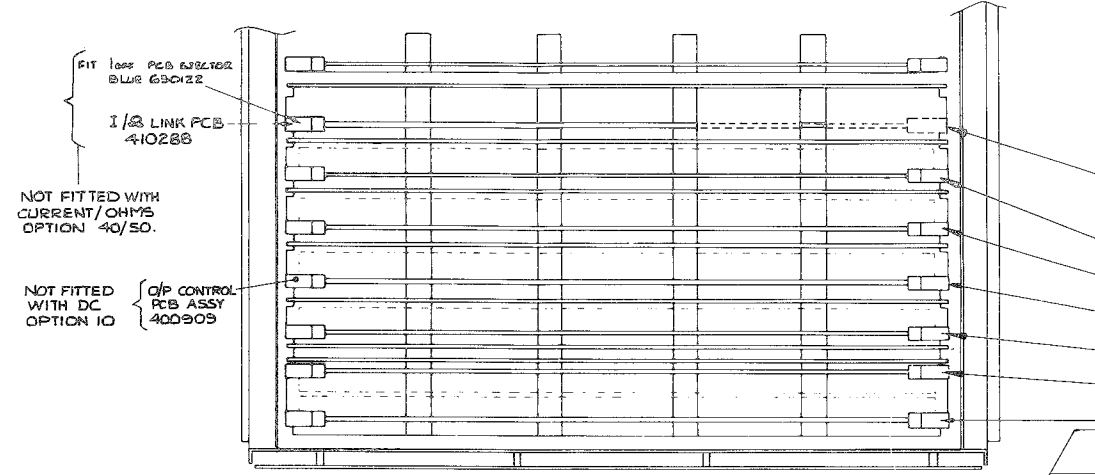
CONNECT POSITIVE AND NEGATIVE
 HEATSINKS TOGETHER AS SHOWN

6

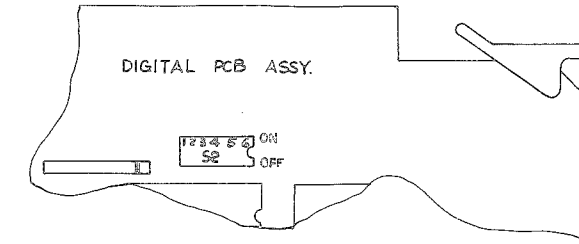
NOTE
 CLEAN ALL PCB EDGE CONTACTS WITH CLEANING FLUID 900016 BOTH BEFORE INITIAL ASSEMBLY AND AT FINAL INSTRUMENT FINISHING.

1kV HIGH VOLTAGE OPTION 30
 THIS OPTION IS SHOWN FITTED AS STANDARD. IF IT IS NOT REQ^d REMOVE :

1. 400537 HV PCB ASSY.
2. 400651 LF TRANSFORMER ASSY.
3. 400342 HF TRANSFORMER ASSY.

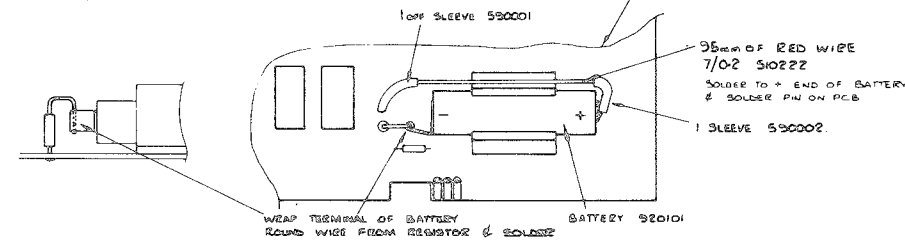
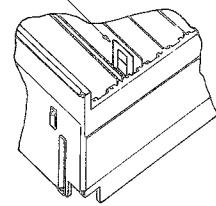


PCB ASSY	OPTION NO	INSTRUMENT		
		4800	4805	4808
CURRENT Ω	40	401045		401046
	50	401048		401047
CURRENT/ Ω	40+50	401054	401059	401064
AC	20	401053	401058	401063
SINE SOURCE		401052	401057	401062
DC	10	401051	401056	401061
REF DIVIDER	-	401050	401055	401060
ANALOG I/F	-		400648	
DIGITAL	-	400891	401002	401006

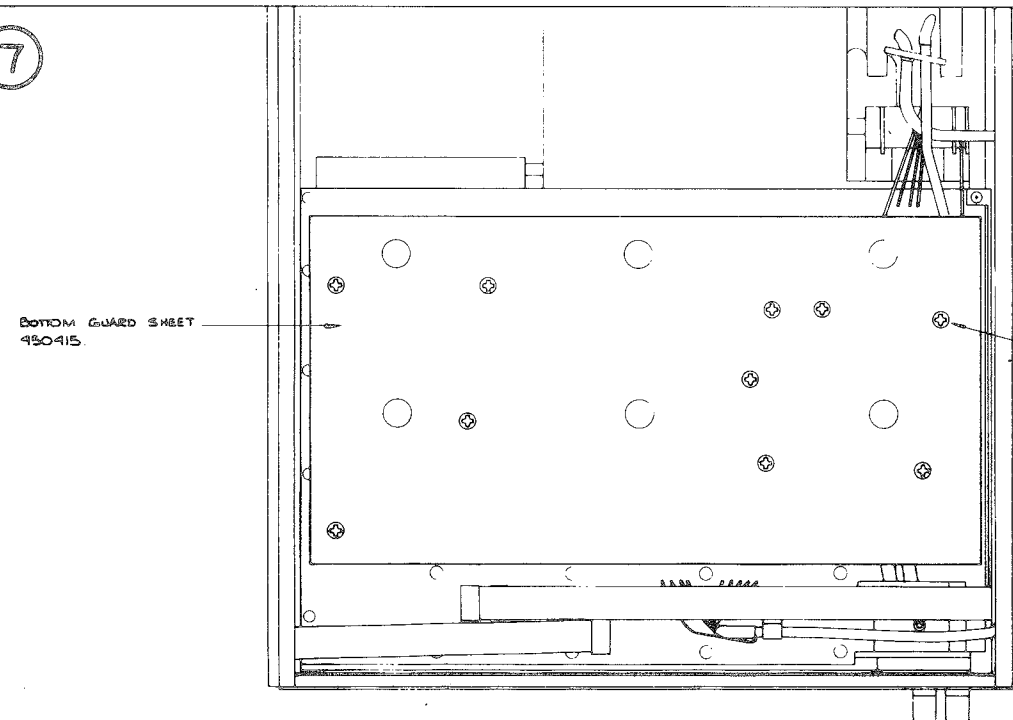


S2 POSITION	NO/DESC	OPTION FITTED	NOT FITTED
1	-	OFF	OFF
2	30 1kV	OFF	ON
3	50 Ω	OFF	ON
4	40 I	OFF	ON
5	20 ACV	OFF	ON
6	10 DCV	OFF	ON

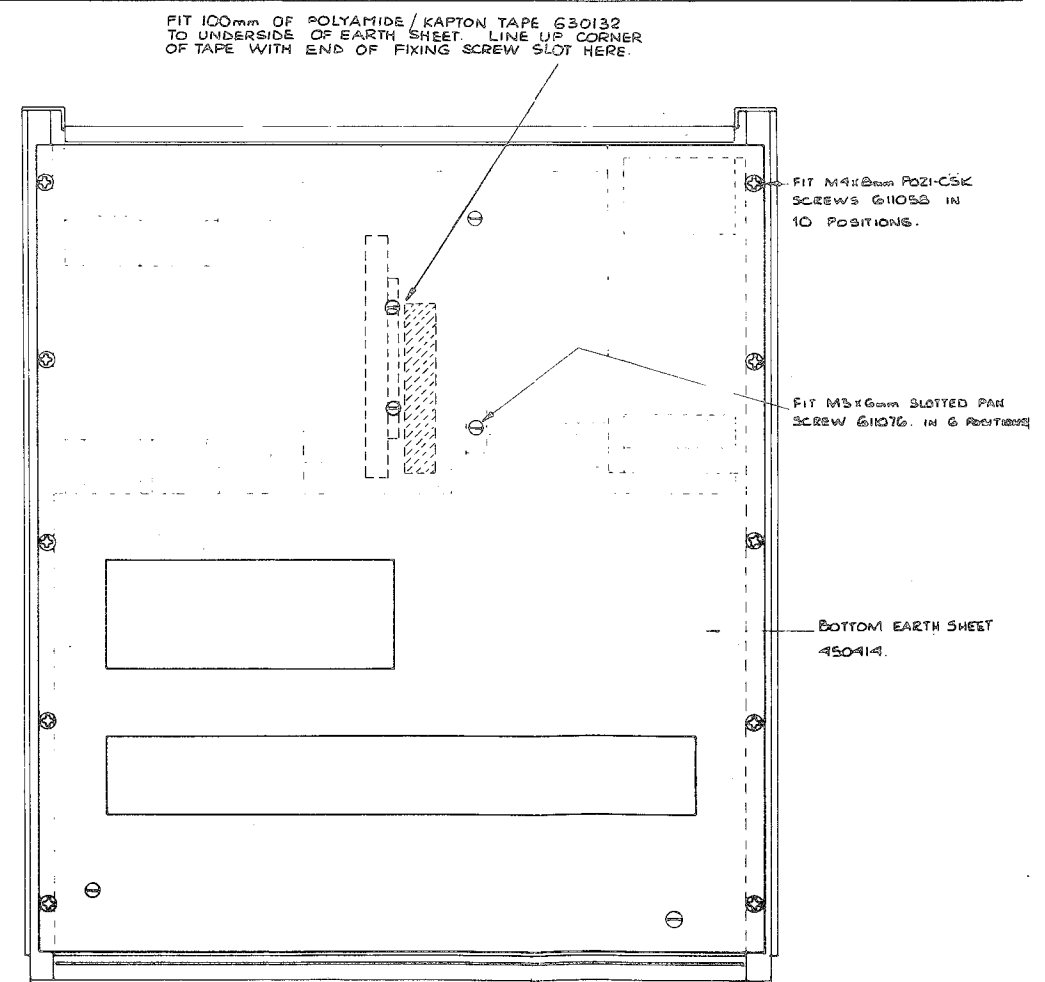
TEMPERATURE INDICATOR LABEL (57-65°C) 420008. FITTED AFTER INSTRUMENT BURN-IN.



7



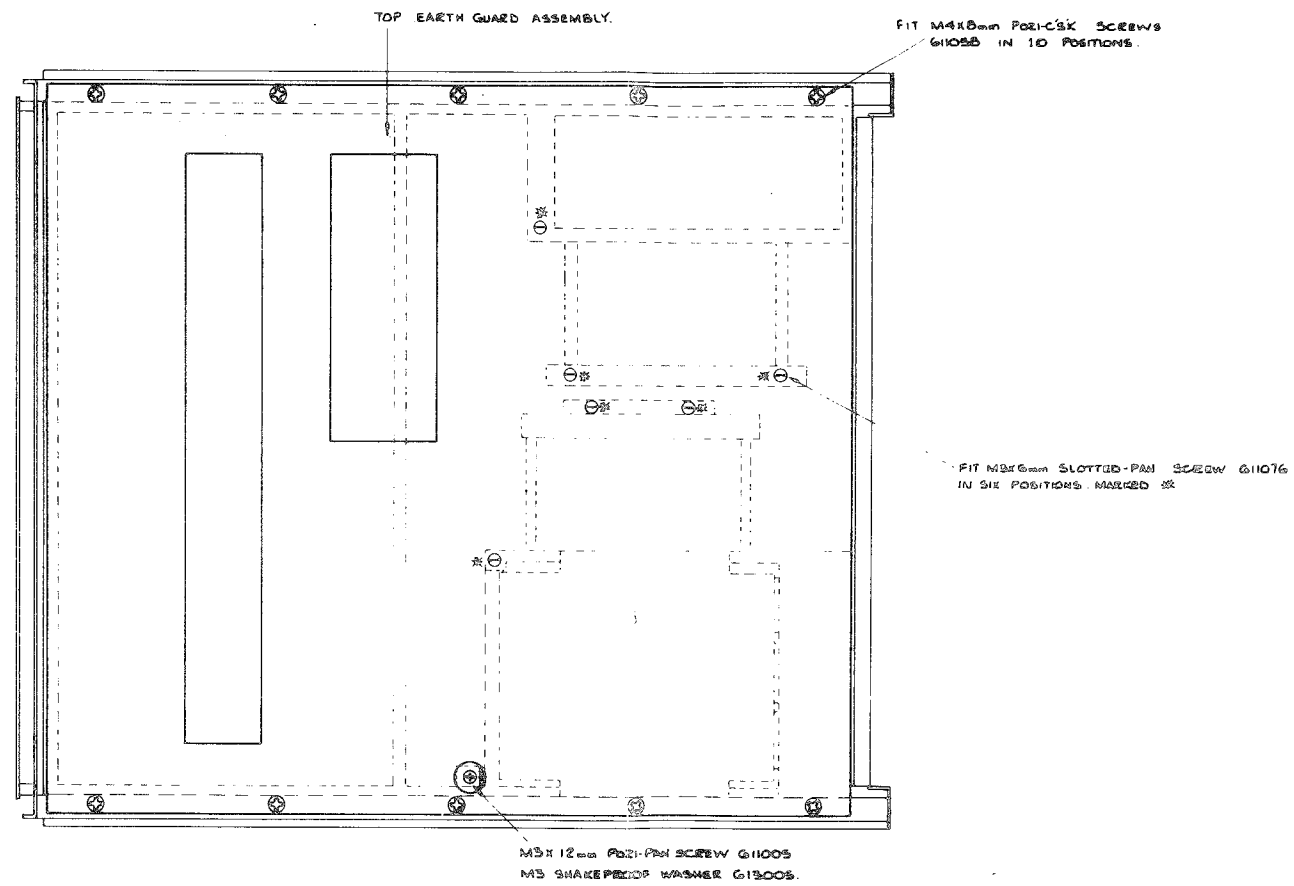
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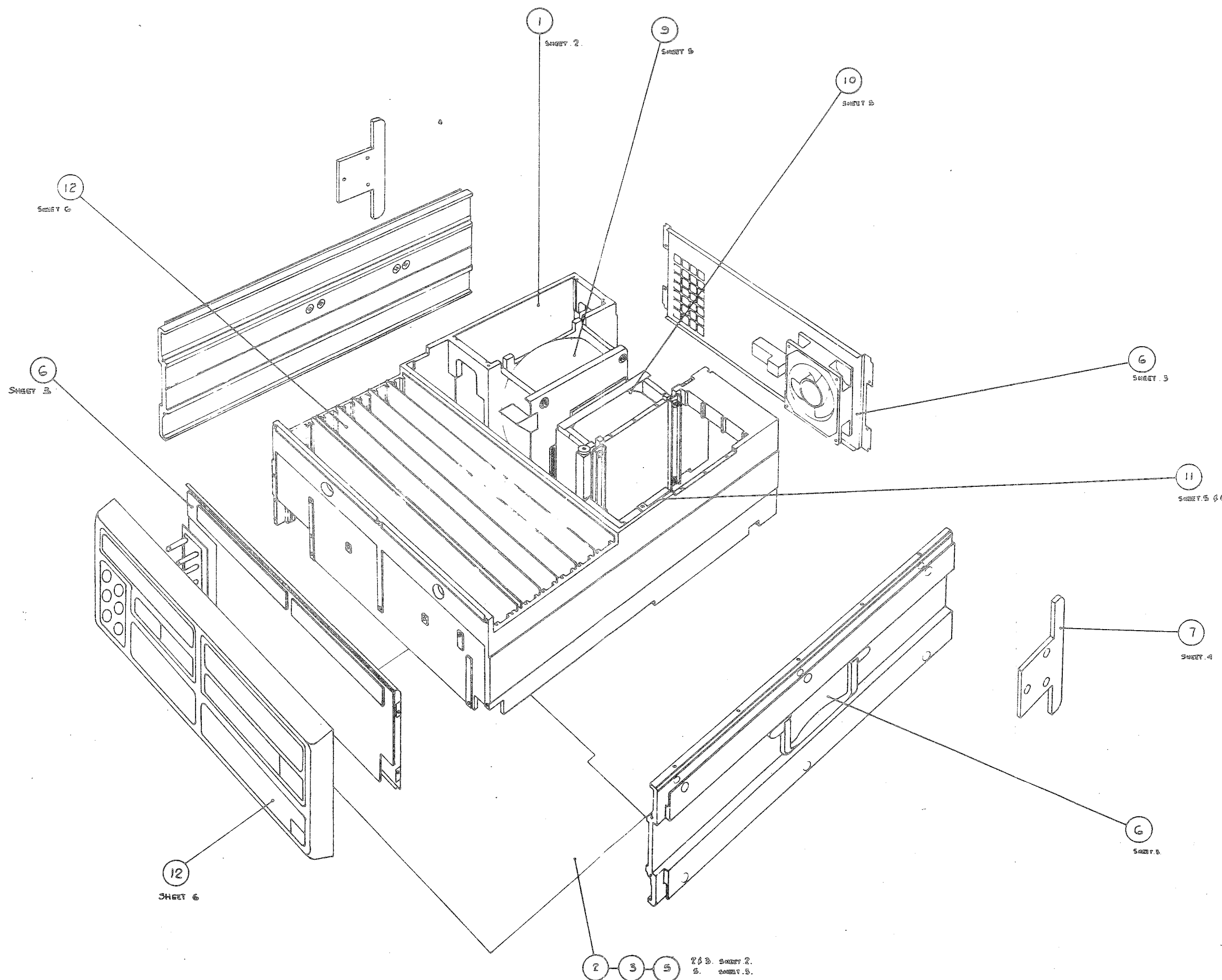


MAIN ASSEMBLY

9

TOP EARTH/GUARD ASSY
HAS PCB RETAINING BARS
WHICH MUST BE CAREFULLY
POSITIONED ON PCB'S
BEFORE INSERTING ANY
FIXING SCREWS.





2 3 5 2 & 3 SHEET 2
 5 SHEET 3

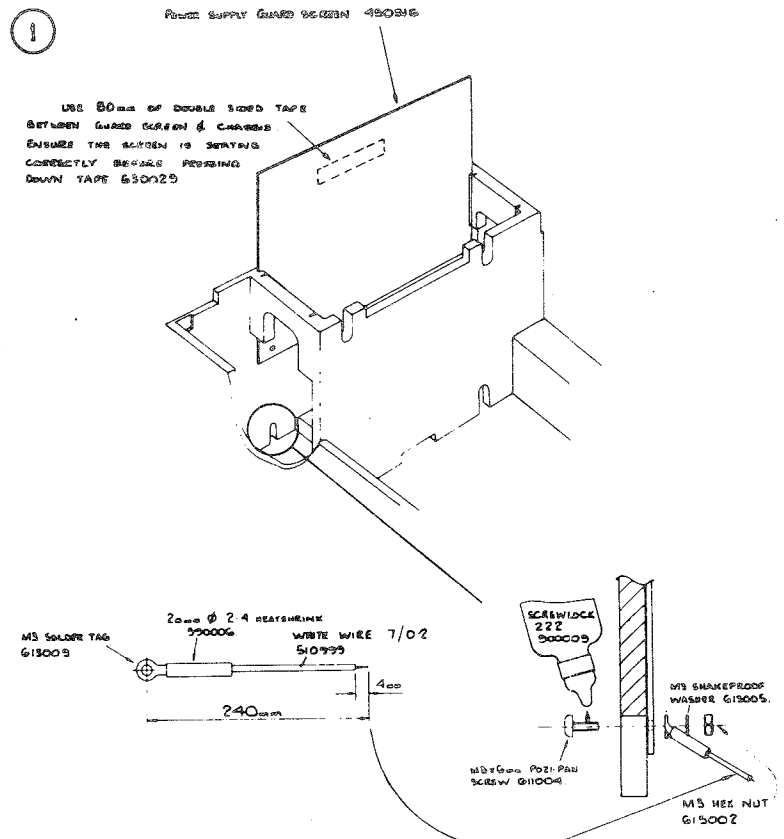
CHASSIS ASSEMBLY

Layout Drawing No. DA400990-1.0 Sheet 1

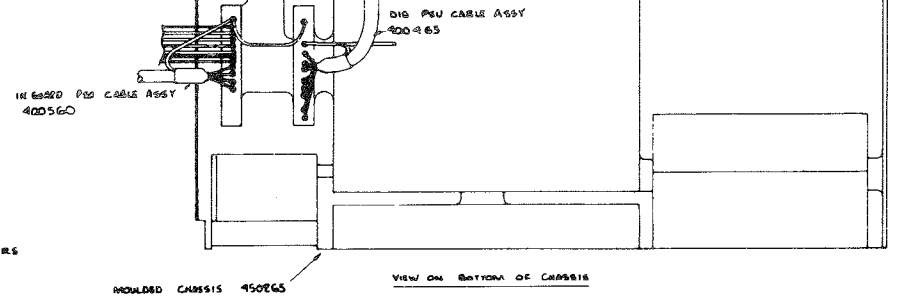
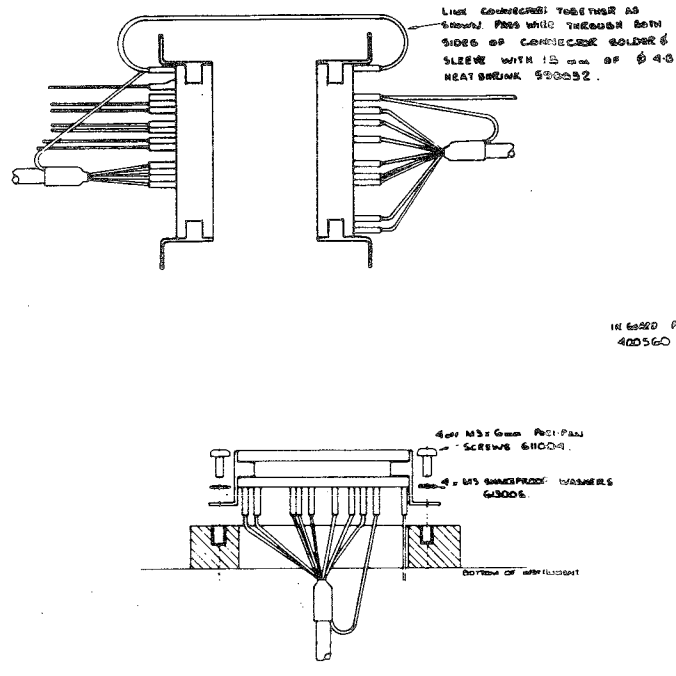


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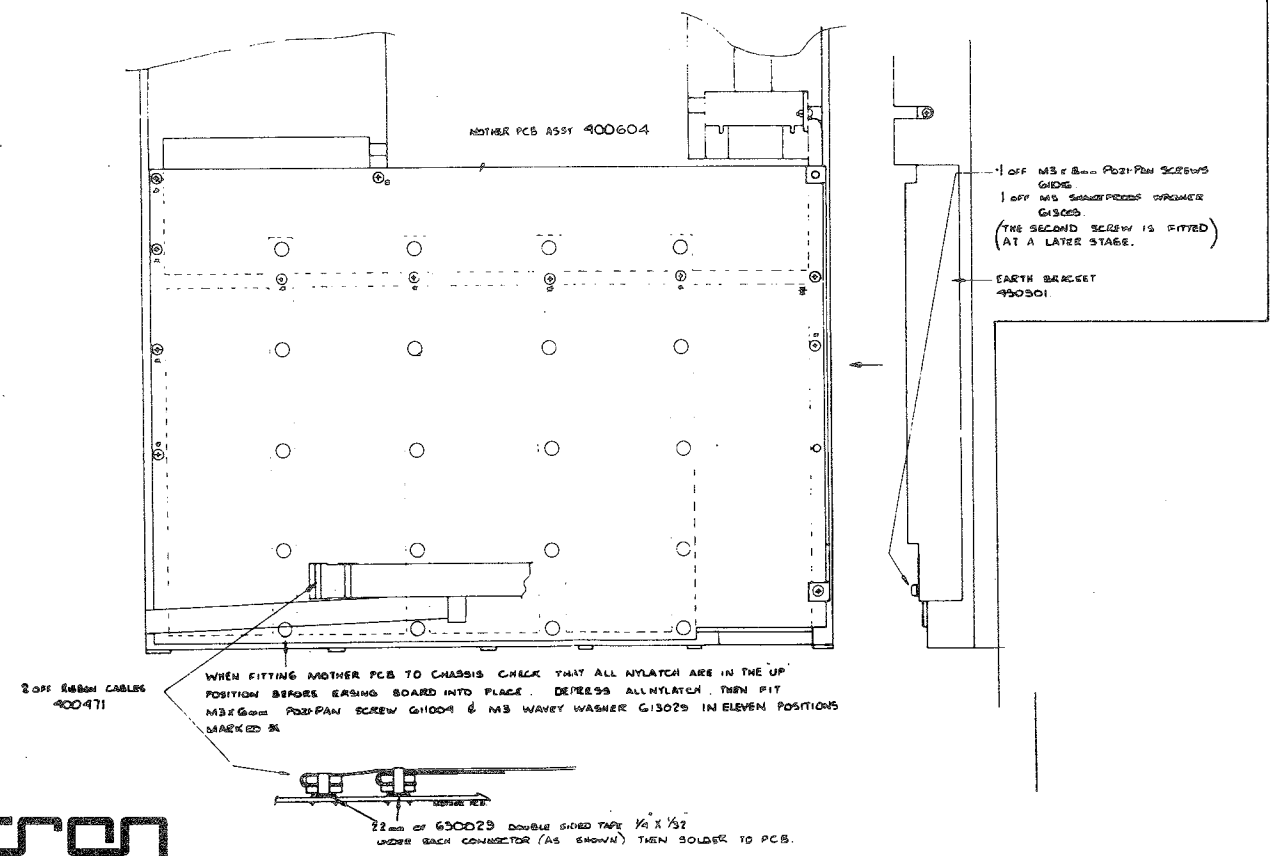
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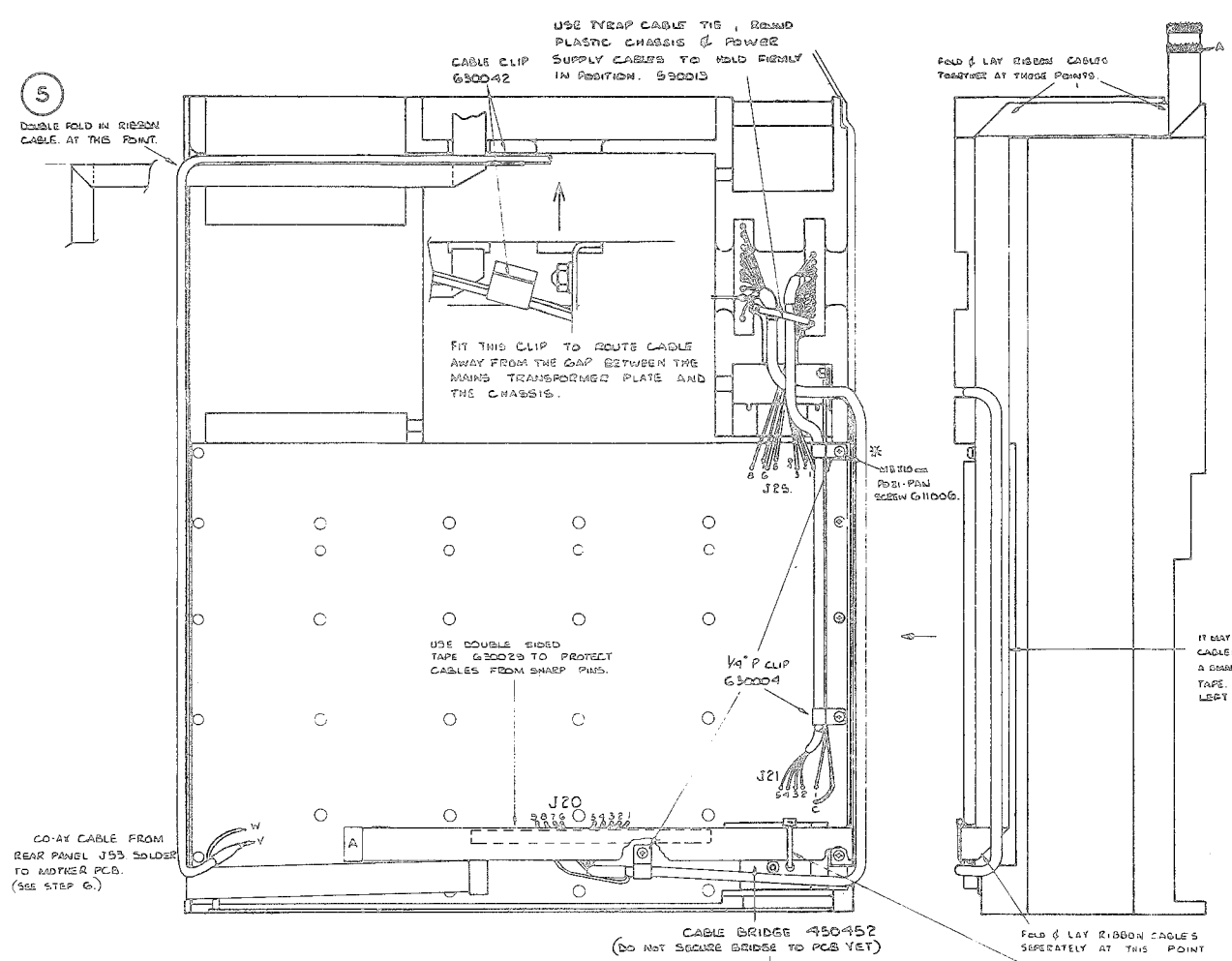
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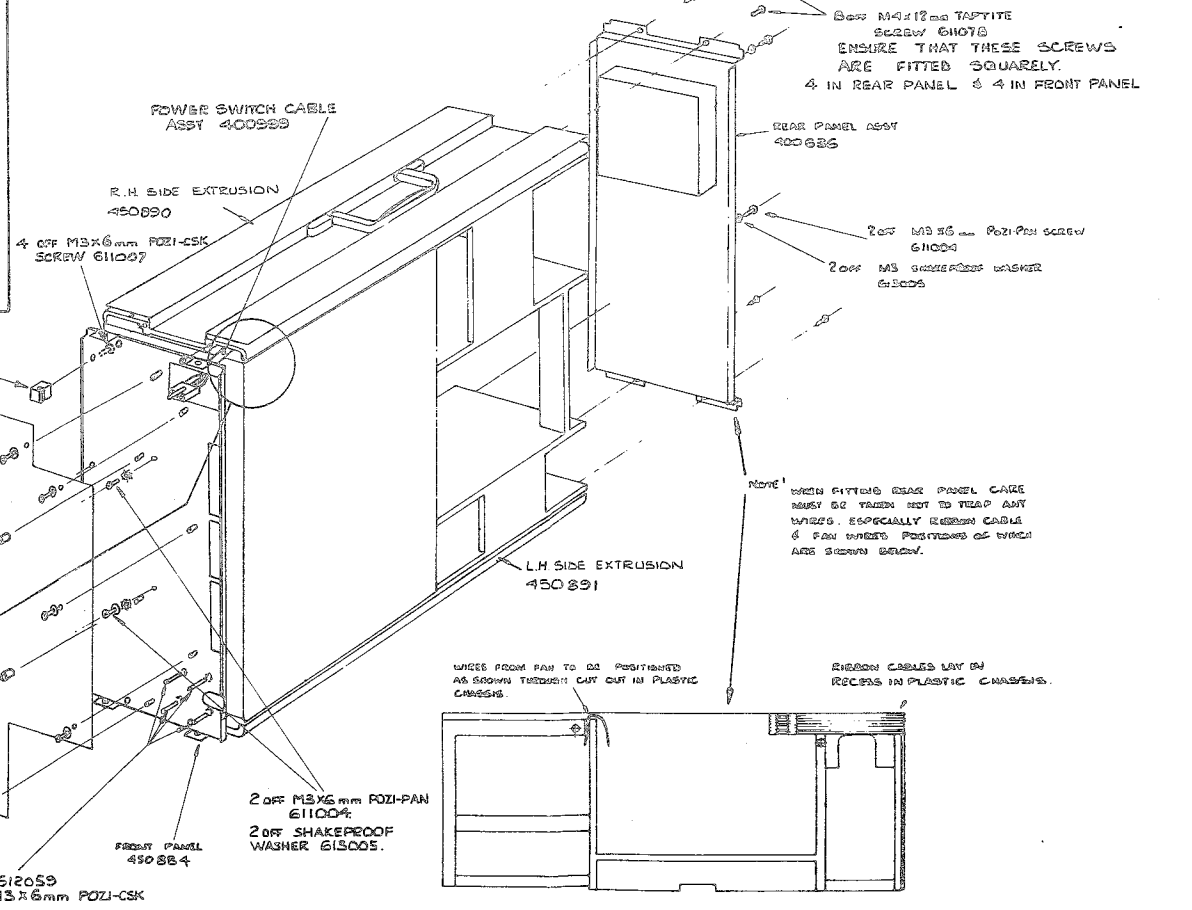
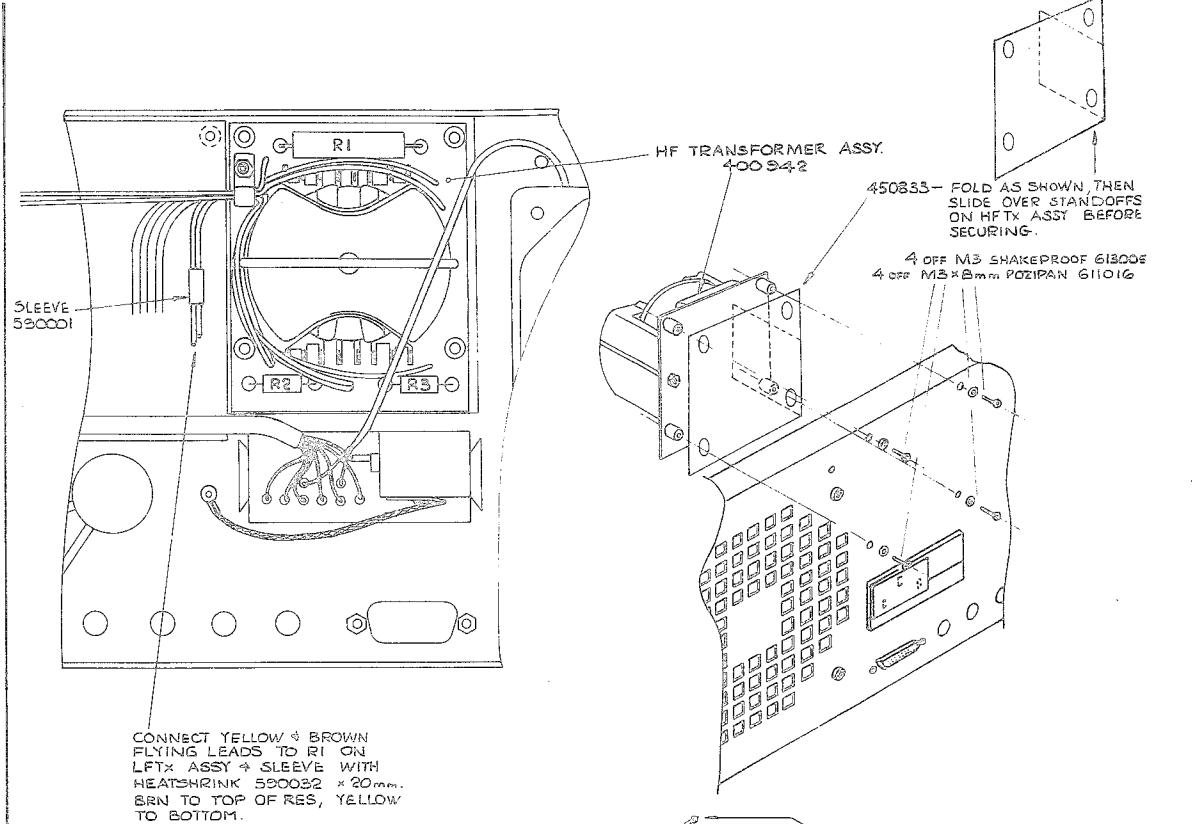
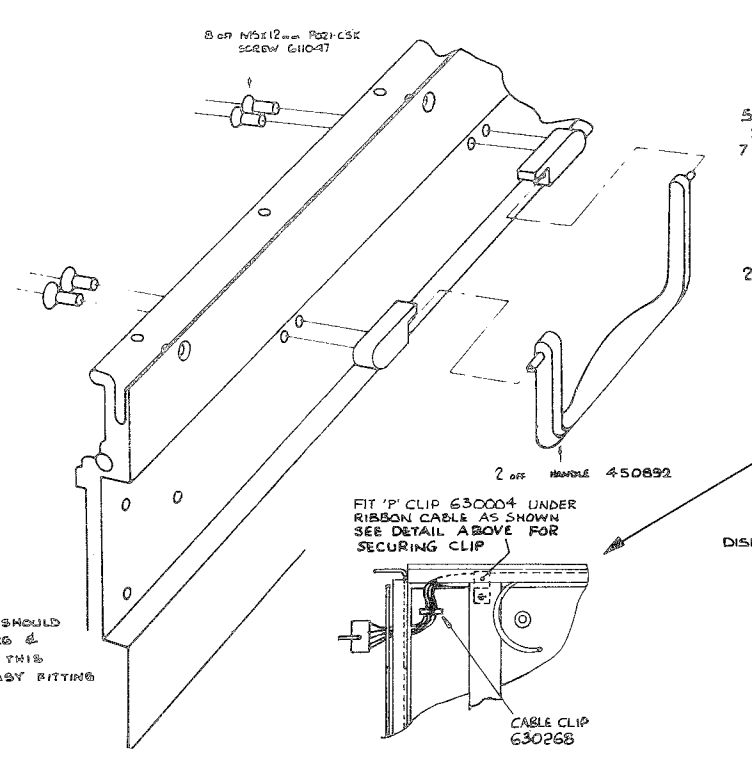
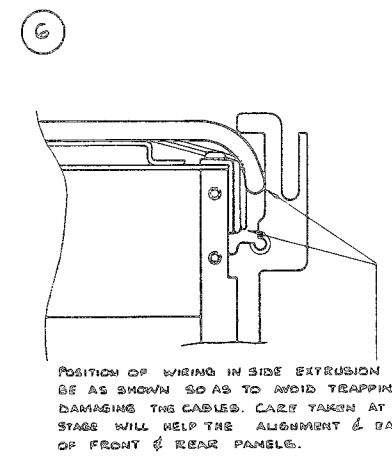
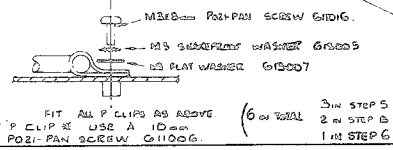
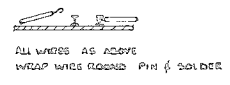
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CHASSIS ASSEMBLY

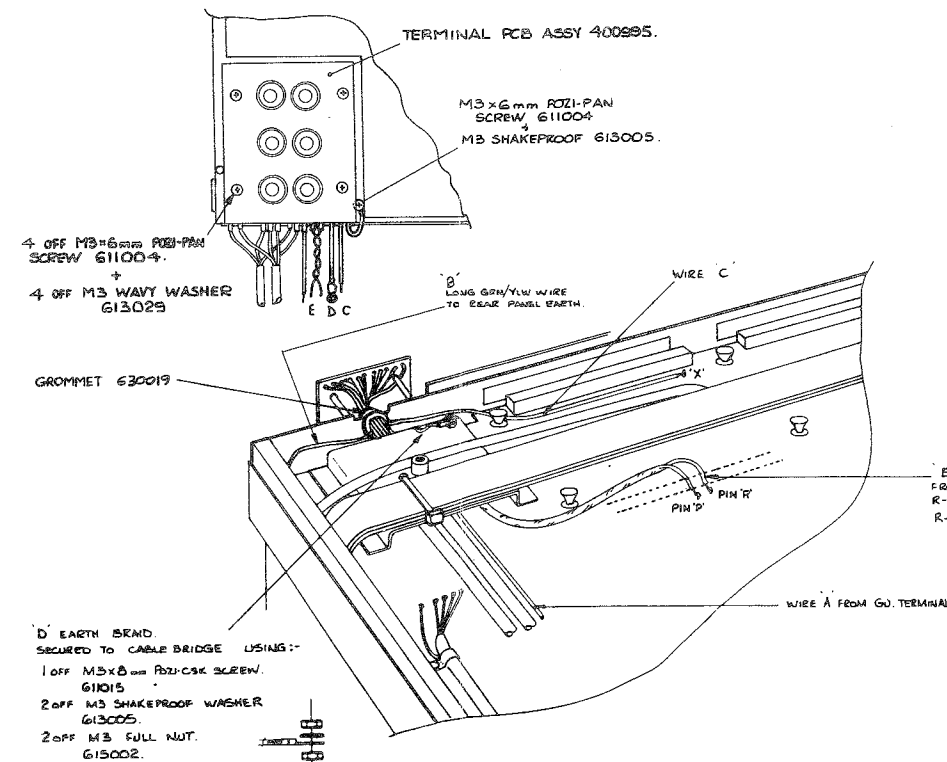
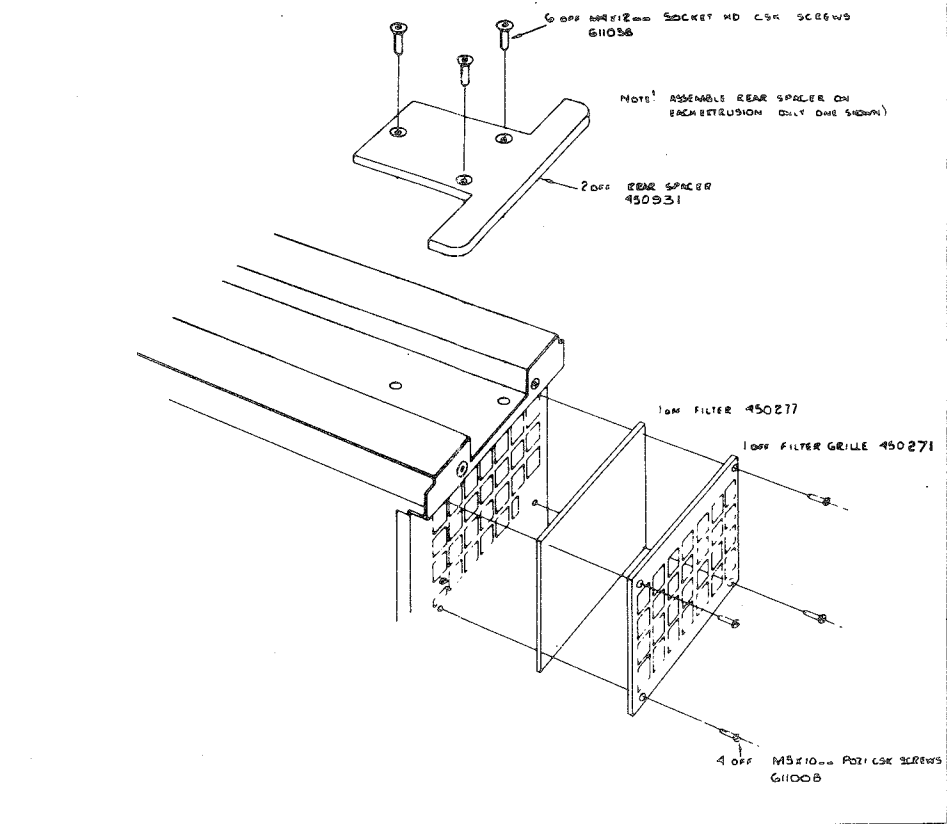


PIN NO	COLOR	WIRE ASSY NO
J25-1	BLACK	400560
J25-2	RED	-
J25-3	ORANGE	-
J25-4	NO CONNECTION	-
J25-5	GREEN	400560
J25-6	BROWN	-
J25-7	VIOLET	-
J25-8	YELLOW	-
J25-9	WHITE	-
J25-10	GREEN	-
J25-11	ORANGE	-
J25-12	VIOLET	-
J25-13	YELLOW	-
J25-14	WHITE FRONT STEP 1	-
J25-15	WHITE FRONT STEP 1	-
J20-1	GREEN/YEL	400553
J20-2	RED	-
J20-3	BLACK	-
J20-4	WHITE	-
J20-5	YELLOW	-
J20-6	VIOLET	-
J20-7	GREEN	-
J20-8	BUS	-
J20-9	BROWN	-

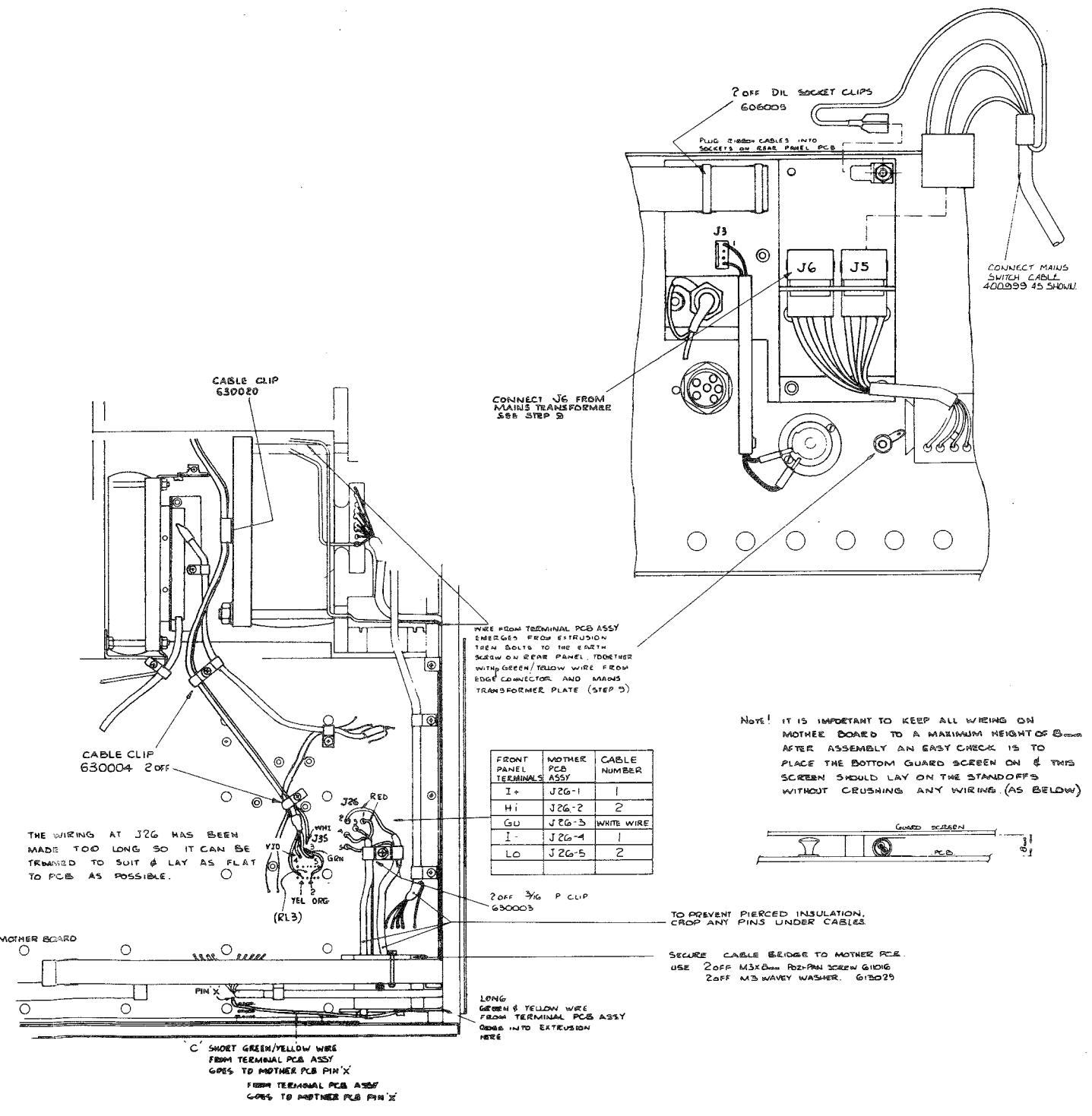


CHASSIS ASSEMBLY



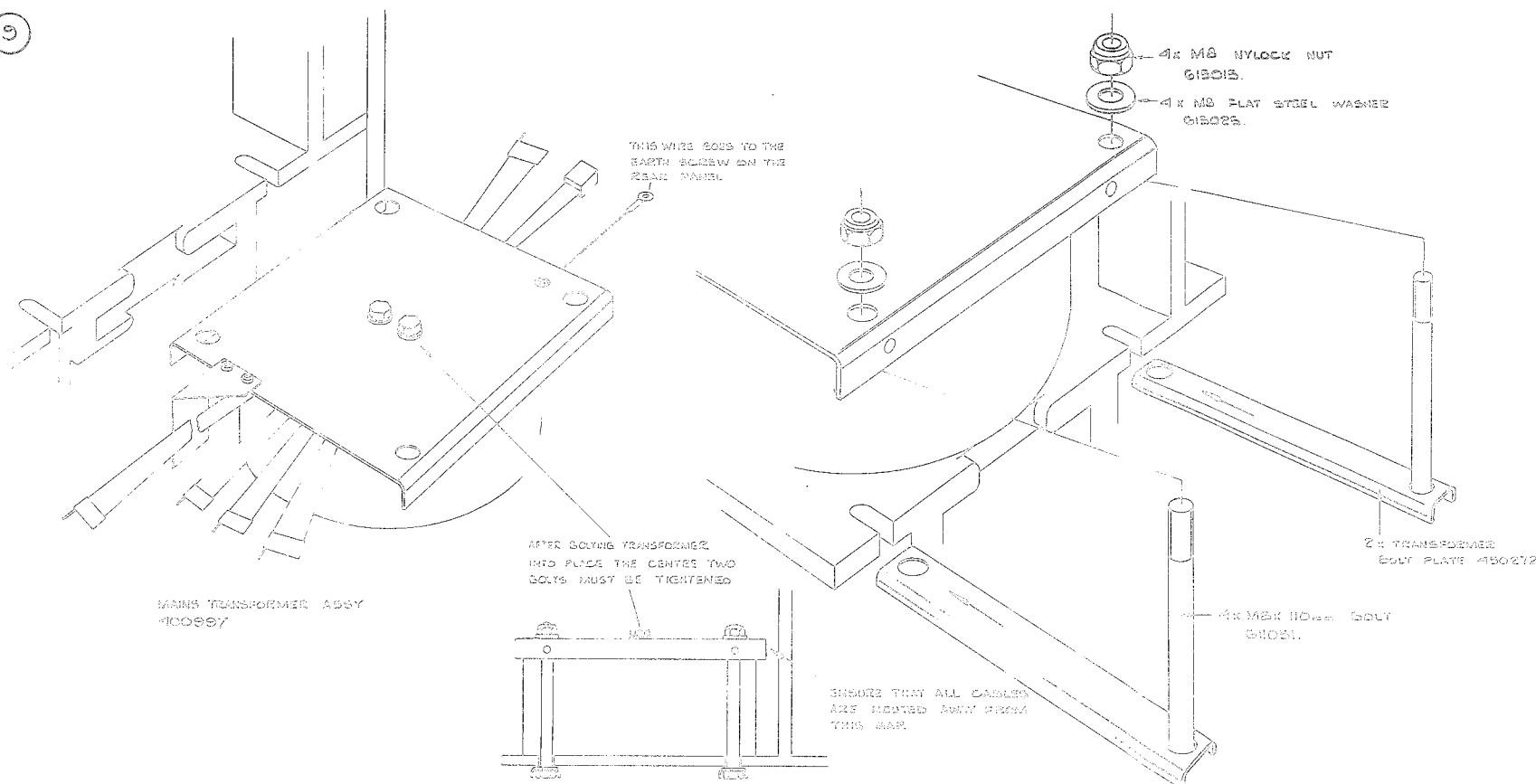


B

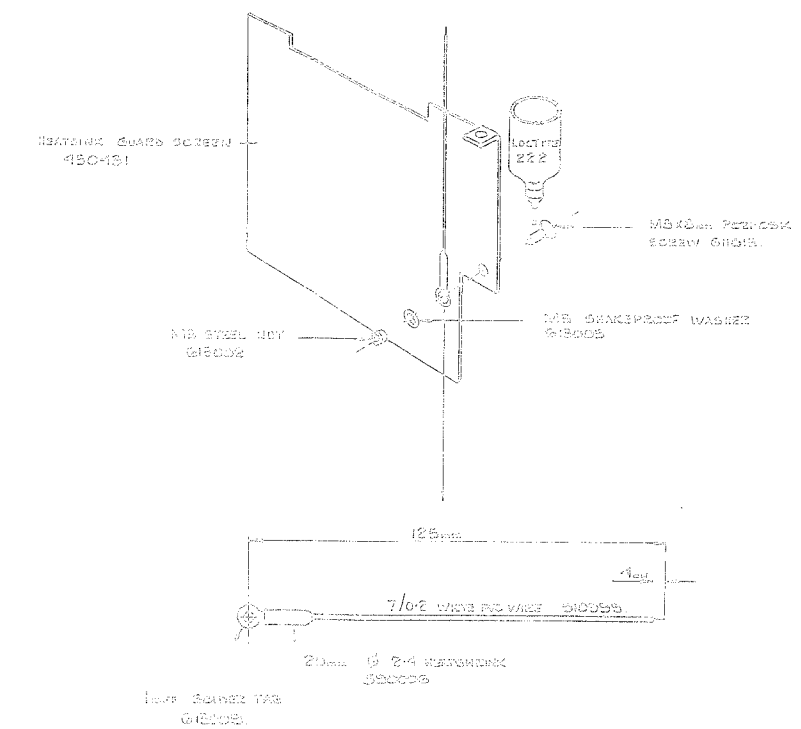


FRONT PANEL TERMINALS	MOTHER PCB ASSY	CABLE NUMBER
I+	J26-1	1
Hi	J26-2	2
GU	J26-3	WHITE WIRE
I-	J26-4	1
LO	J26-5	2

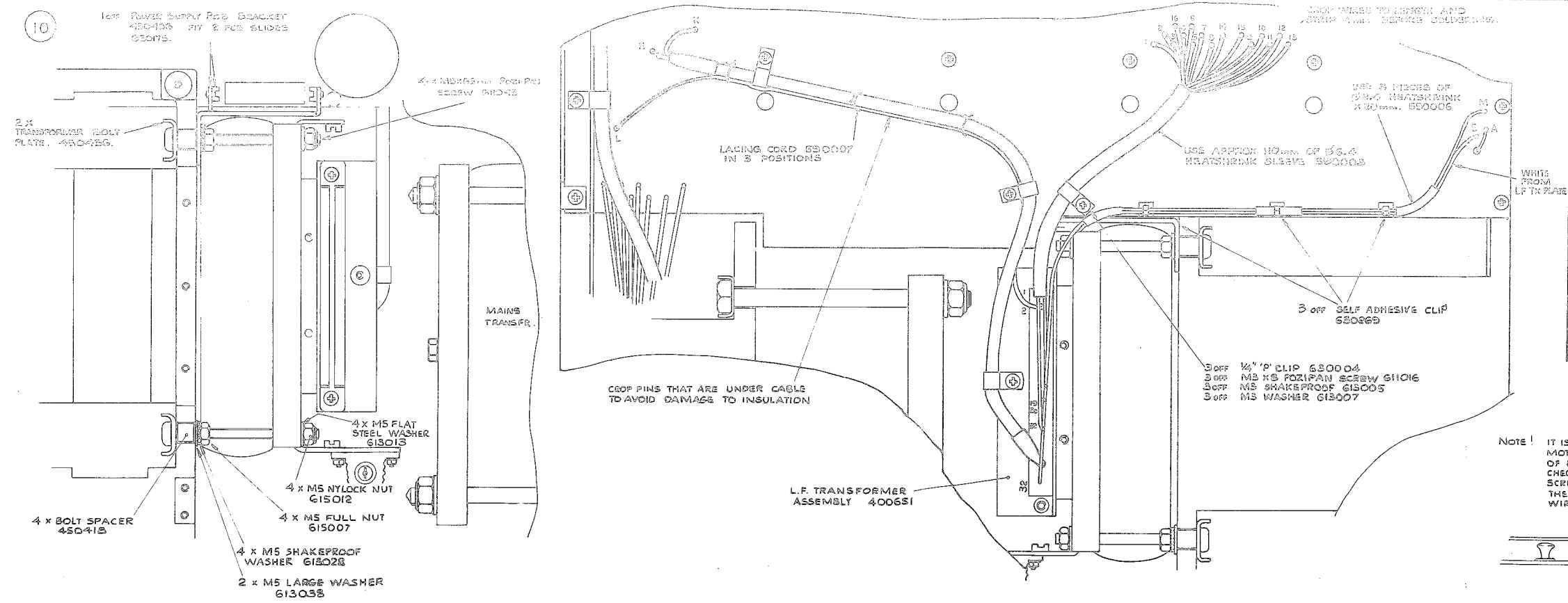
9



11



10



J1 (W/O) OR J1 TO ASSY	WIRE COLOR	WIRE GAUGE	PROXIMATE PIN NUMBER
2,3	WHITE	7/2	PIN 1
4	BLACK	7/2	J24-3
5	BROWN	7/2	J24-5
6	RED	7/2	J24-6
7	ORANGE	7/2	J24-4
8	YELLOW	7/2	J24-8
9	BLUE	7/2	J24-12
12	VIOLET	7/2	J24-13
14	RED/BRN	7/2	J24-8
15	WHITE	7/2	J24-10
16	GREEN	7/2	J24-14
17	RED/BLK	7/2	J24-7
18	GRY	7/2	J24-15
19	RED/WHITE	7/2	J24-2
20	PINK	7/2	J24-1
21	RED/BLUE	7/2	J24-16
22	ORG/BLK	7/2	J24-11
23	COAX	7/2	CENTRE-PCB W/ SHIELD-PIN 2
31	WHITE	7/2	PIN 14

J1-6 TO J1-22 INCL. ARE INSIDE K5 SLEEVE

NOTE! IT IS IMPORTANT TO KEEP ALL WIRING ON MOTHER BOARD TO A MAXIMUM HEIGHT OF 8mm. AFTER ASSEMBLY AN EASY CHECK IS TO PLACE THE BOTTOM GUARD SCREEN ON 4 THIS SCREEN SHOULD LAY ON THE STANDOFFS WITHOUT CRUSHING ANY WIRING (AS BELOW)



CHASSIS ASSEMBLY

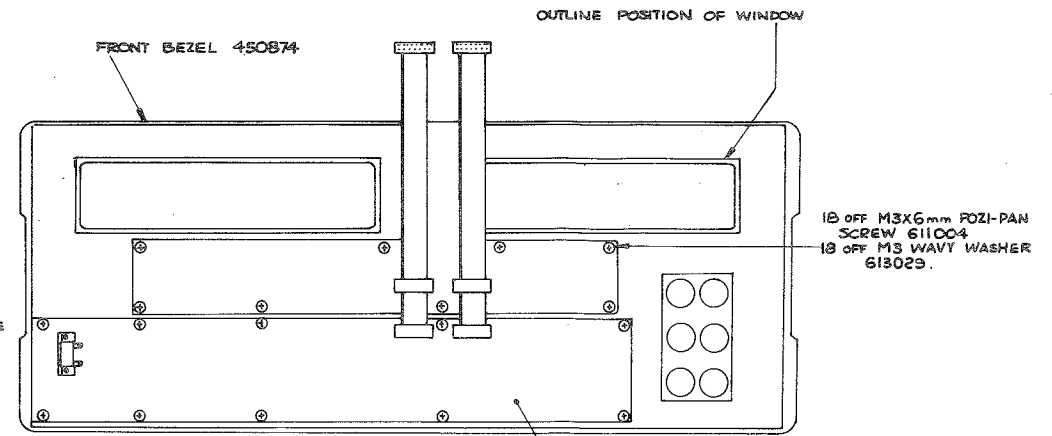
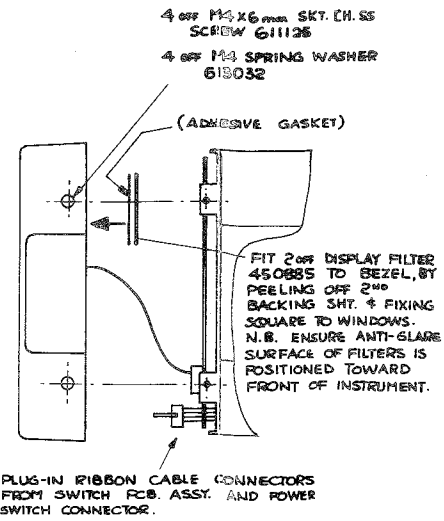
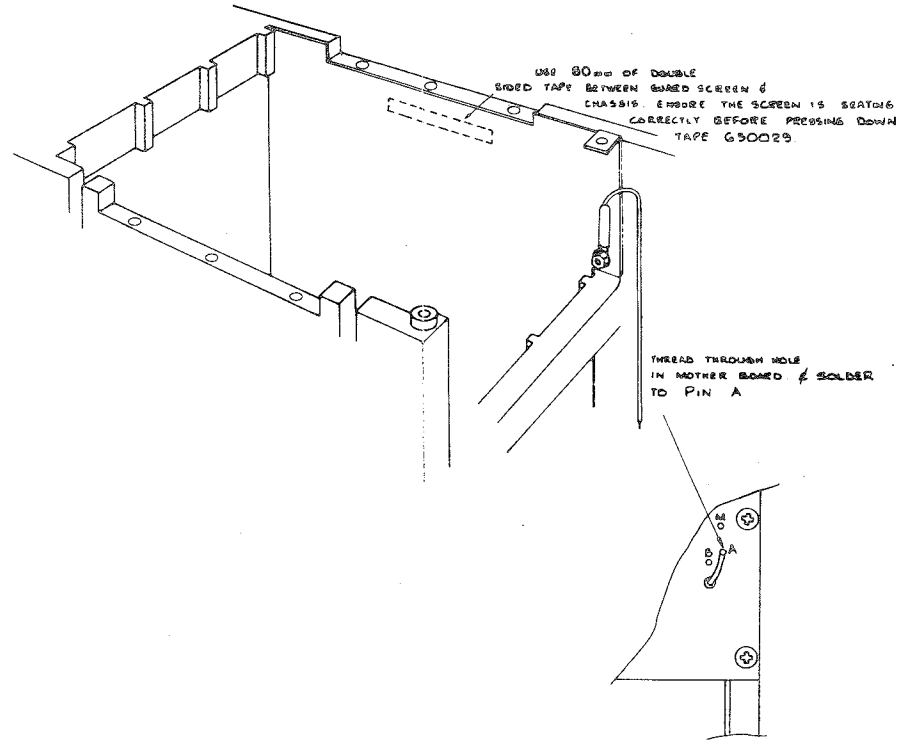
Layout Drawing No. DA400990-1.0 Sheet 5



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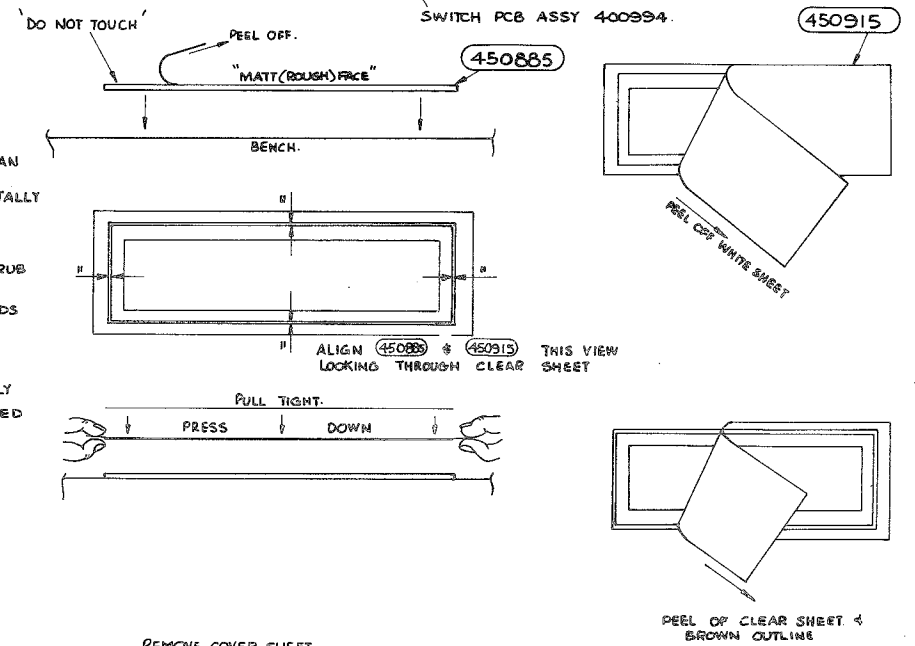
11.18-5

11

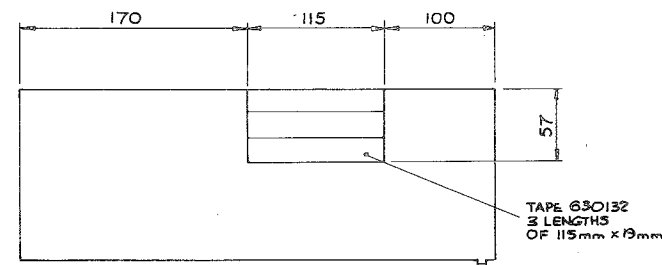
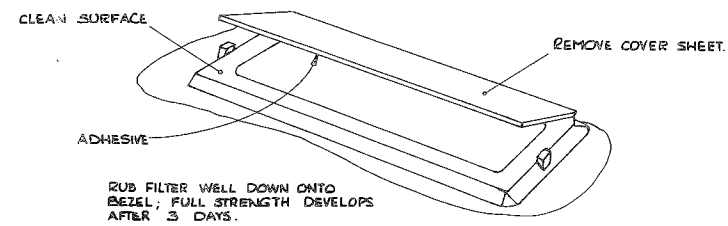
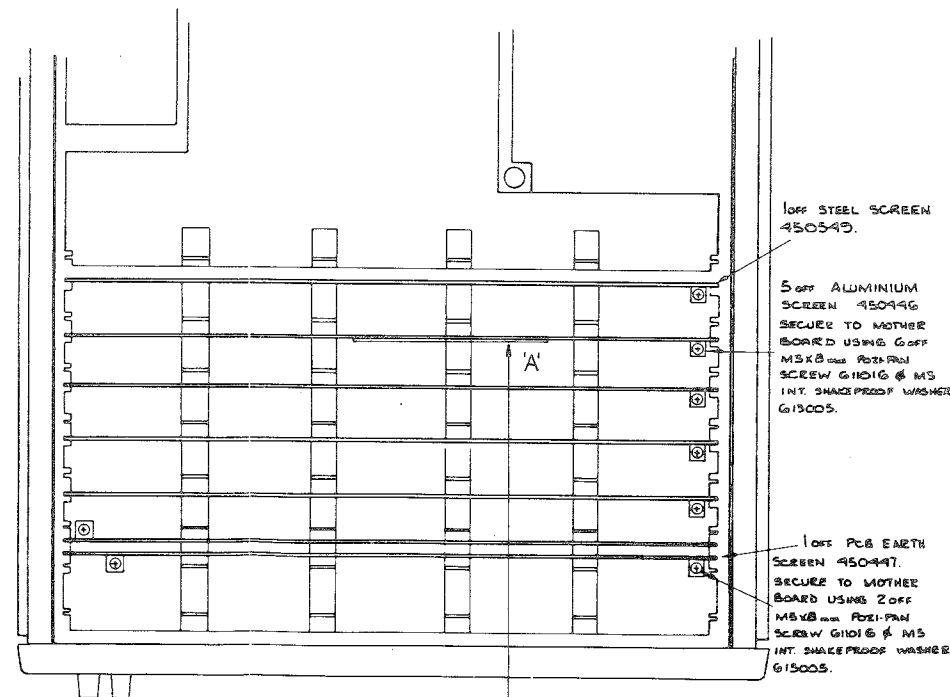


GENERAL NOTES ON FITTING FILTERS

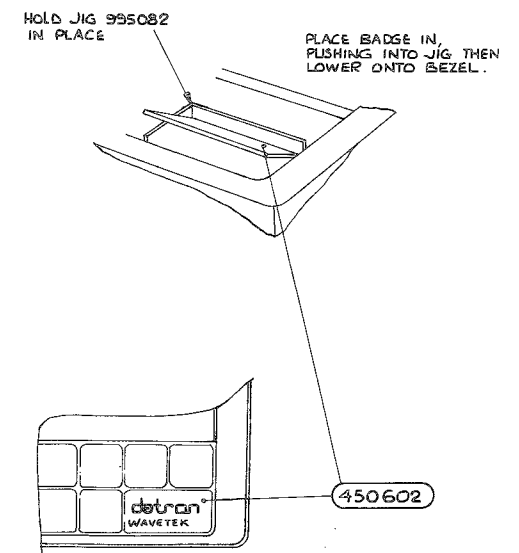
1. WIPE ALL SURFACES TO RECEIVE ADHESIVE, WITH A CLEAN WIRE MOISTENED WITH 90000.
2. DO NOT TOUCH CLEANED SURFACE - RECLEAN IF ACCIDENTALLY TOUCHED.
3. DO NOT TOUCH ADHESIVE SURFACE.
4. HANDLING OF ADHESIVES (450915) :-
 - a) IF CLEAR SHEET SEPARATES FIRST, PRESS BACK AND RUB DOWN; WHITE SHEET WILL THEN SEPARATE.
 - b) AFTER REMOVAL OF WHITE SHEET, HANDLE ONLY BY ENDS OF CLEAR SHEET.
 - c) PULL TIGHT & ALIGN BEFORE LOWERING TO FILTER SURFACE.
 - d) IF MIS-ALIGNED OR UNFLAT, THEY MUST BE ENTIRELY REMOVED (RUB WITH FINGER), THE SURFACE CLEANED AND NEW ADHESIVE APPLIED.
5. AFTER ASSEMBLY BOTH FILTERS HAVE THE ANTI-GLARE MATT SURFACE TOWARDS THE FRONT OF THE BEZEL.



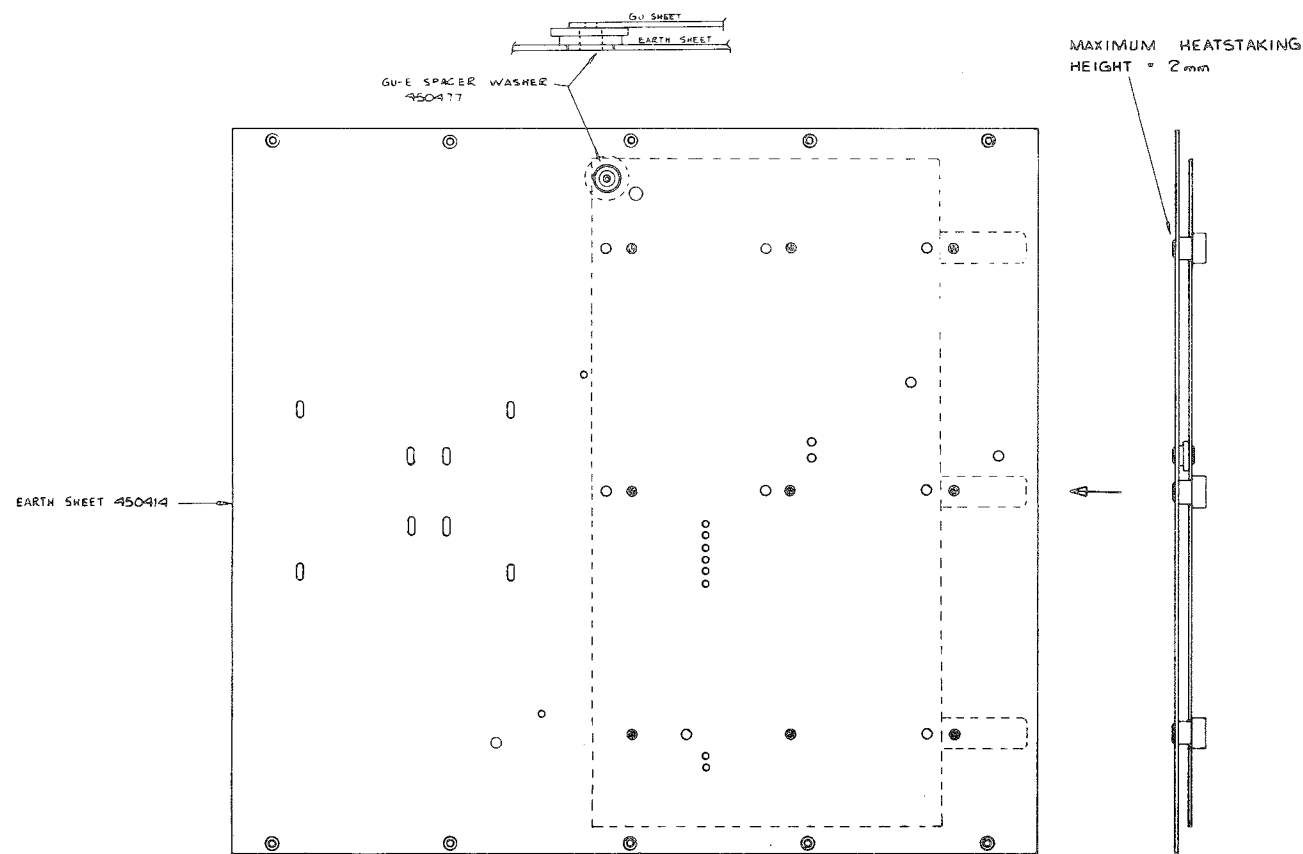
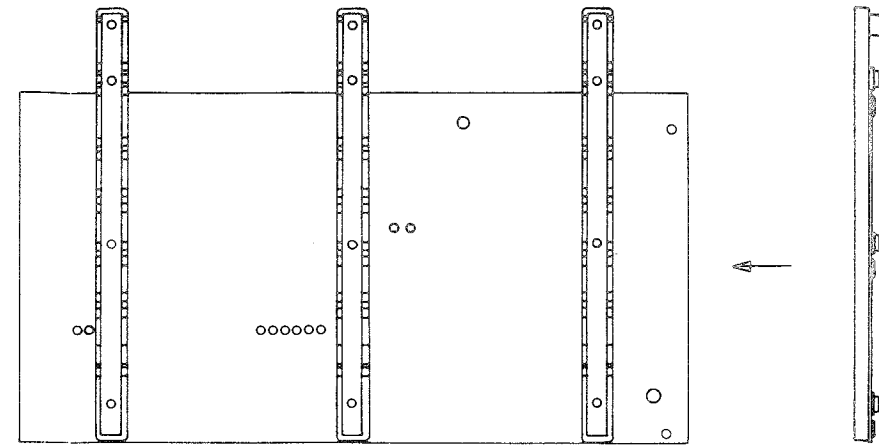
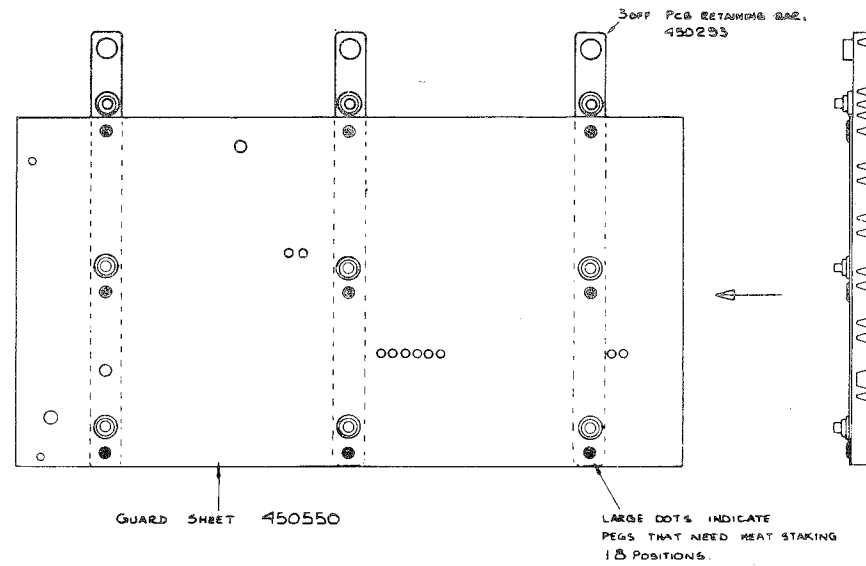
12



VIEW IN DIRECTION OF ARROW 'A'
SHOWING ONLY GUARD SCREEN



13

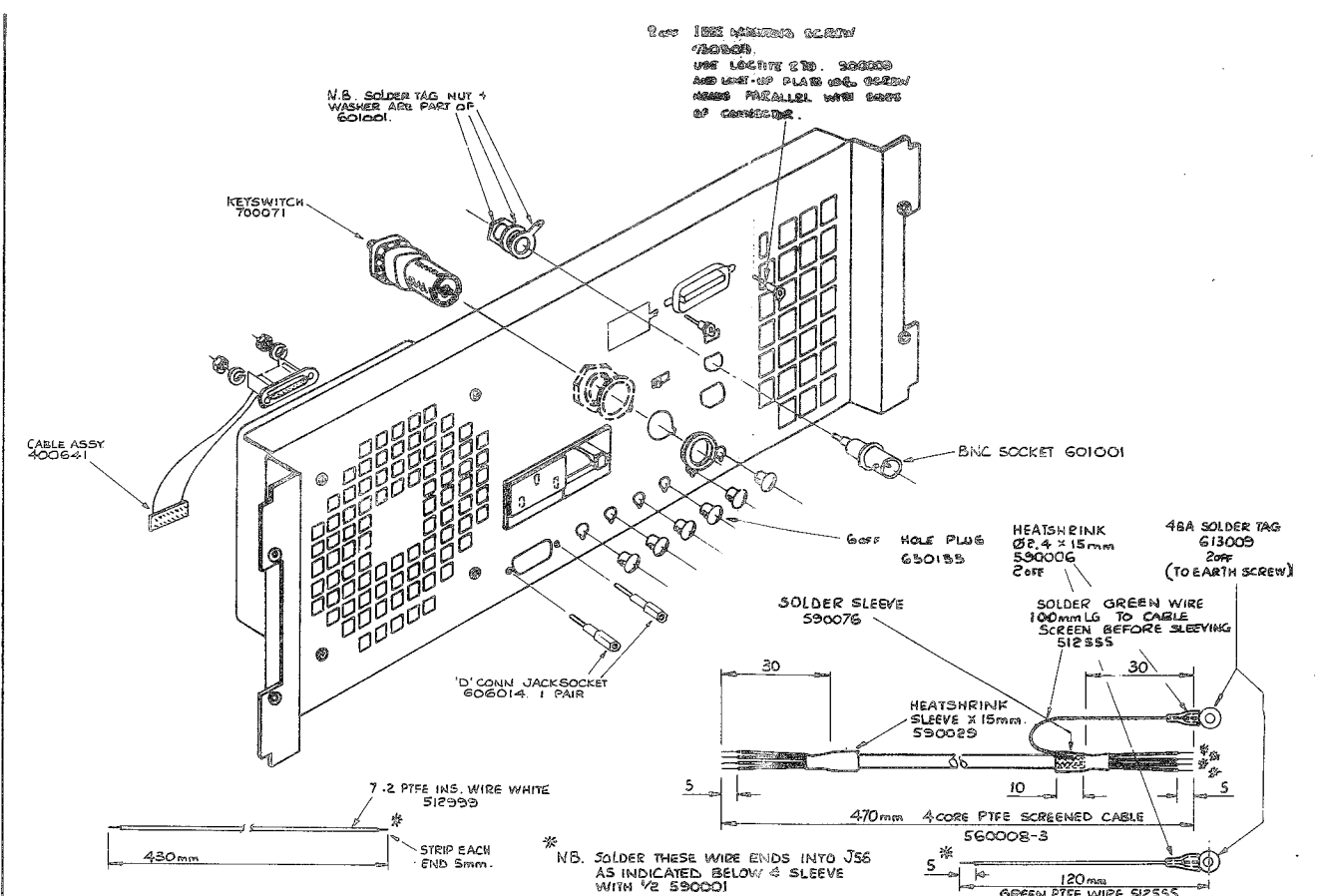
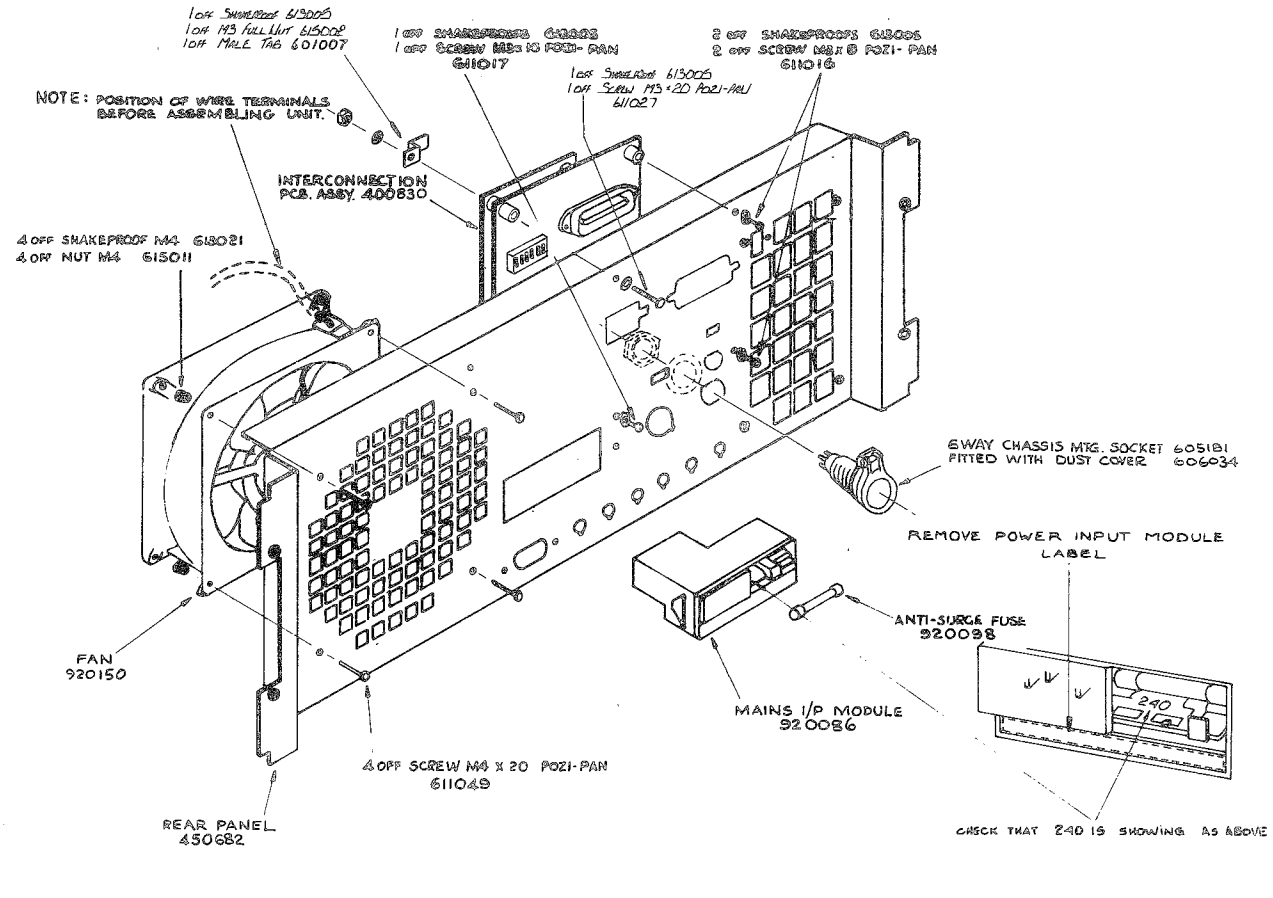


WHEN THE CHASSIS ASSY IS COMPLETE CHECK THAT THE TOP EARTH GUARD SHEET ASSEMBLY, BOTTOM GUARD & EARTH SHEETS FIT.

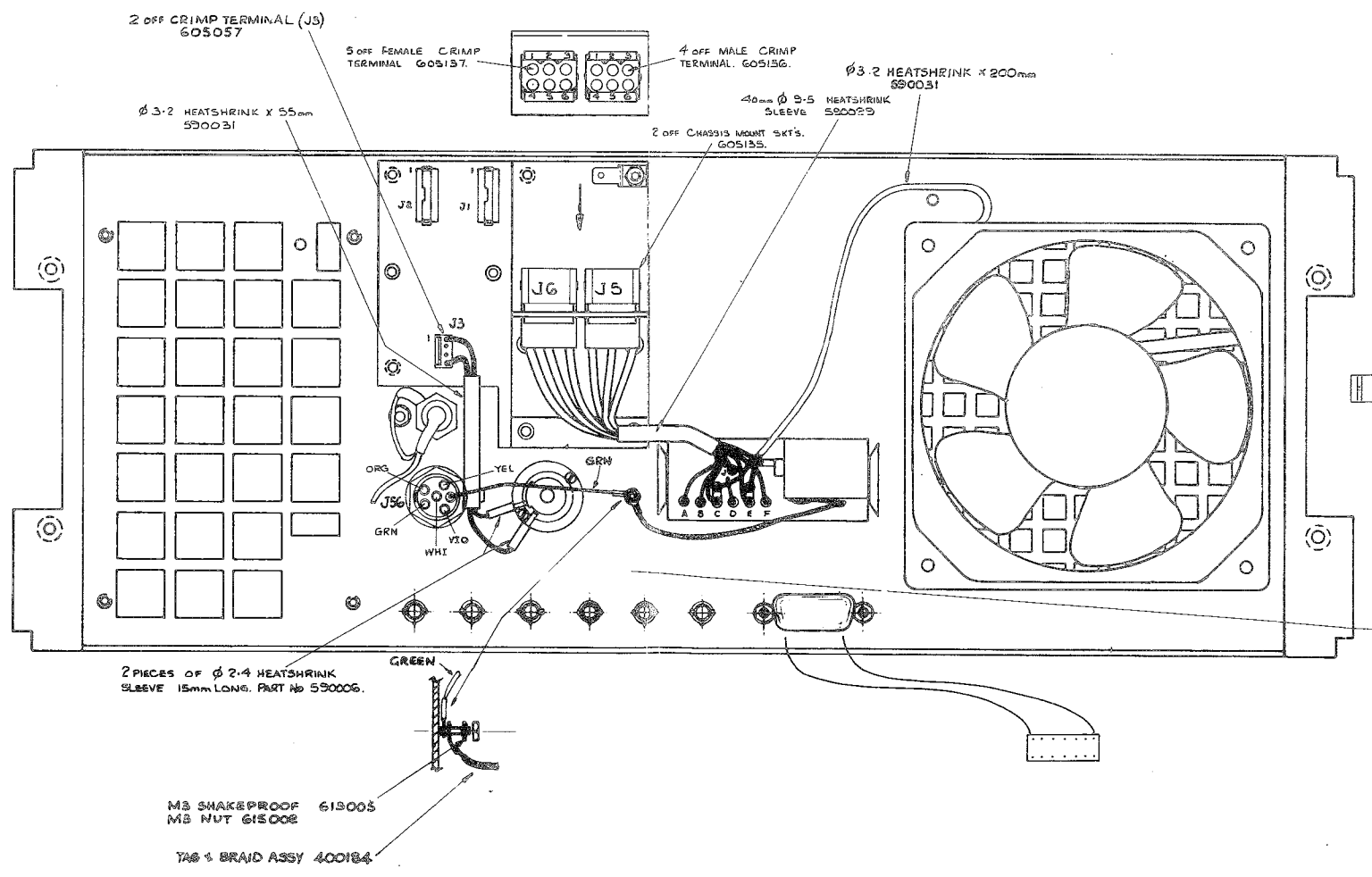
CHASSIS ASSEMBLY

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CONNECTOR PIN (INTERCONNECTION)	WIRE COLOUR/LENGTH	DESTINATION (REAR PANEL)	WIRE PART NO.
J6 PIN 1	VIOLET / 115mm	POWER INPUT MODULE PIN D	530777
2	WHITE / 110mm	PIN C	530999
3	BLACK / 100mm	PIN A	530000
4	N/C		
5	GREY / 120mm	PIN F	530888
6	ORANGE / 120mm	PIN E	530333
J5 PIN 1	N/C		
2	RED / 120mm	POWER INPUT MODULE PIN J	530222
3	BLUE / 110mm	PIN N	530666
4	N/C		
5	YELLOW / 110mm	PIN B	530444
6	BROWN / 110mm	PIN L	530111
J3 PIN 1	ORANGE 100	CAL. SWITCH	512333
2			
3			
4	ORANGE 100	CAL. SWITCH	512333
FAN #	ORANGE 250	POWER I/P	512333
FAN #	WHITE 250	PIN C	512999



CRIMP CONNECTIONS.

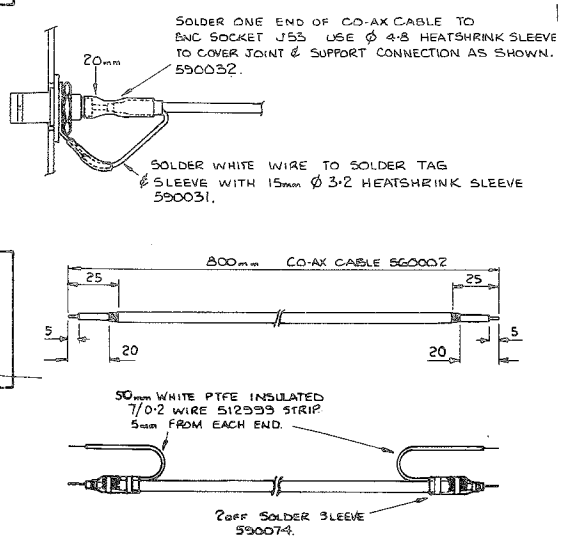
605057, USE CRIMP TOOL HTR-2262-A

605136 & 137 USE CRIMP TOOL HTR-1031-E

NOTE: ALL EXPOSED WIRE TERMINATIONS TO BE SLEEVED. USE HALF PIECE OF SLEEVE:-

590001 = 5 off

590005 = 5 off



REAR PANEL ASSEMBLY

Layout Drawing No. 480636-3.1 Sheet 1



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11.18-7



SECTION 12 4808 Parts Lists

Contents

- N.B. 1. Servicing Diagrams appear in Section 11.
2. The pages in this section are not numbered, but the Parts Lists are placed in part-number order.
3. The following list is an alpha-numeric cross-reference to the part numbers:

Assembly Description	Part No.
38V Power Supply Assembly	400653
AC Assembly	401063/400844
AC Attenuator/Cage Assembly	400639
AC RMS Sense Assembly	400842/400639/400648
Analog Interface Assembly	400648
Chassis Assembly	400990
Constant Current Source Assembly	400563
Current Assembly	401046/401008
Current/Ohms Assembly	401064/400614/400669
DC Assembly	401061/400536/400668
DC Clamp Assembly	400668
Digital Assembly	401006/400796
Display PCB Assembly	400993
HF Transformer Assembly	400942
High Voltage Assembly	400537/400563
I/Ω Clamp Assembly	400669
In-Guard Power Supply Assembly	400554
Instrument Assembly	401004
Interconnection Assembly	400830
LF Transformer Assembly	400651
Main Assembly	401005
Mains (Line) Transformer Assembly	400997
Mother Assembly	400604
Negative Heatsink Assembly	400539
Ohms Assembly	401047/400048
Out-Guard Power Supply Assembly	400996
Output Control Assembly	400909
Positive Heatsink Assembly	400637
Power Amplifier Assembly	400618
PS/I Heatsink Assembly	400540
Rear Panel Assembly	400636
Reference Divider Assembly	401060/400652
Sine Source Assembly	401062/400446
Switch PCB Assembly	400994
Terminal Board Assembly	400995

DRAWING NO.	CHK'D	DATE	ECO	ISSUE - REVISION																					
				REVISION	ISSUE	8.0	8.1	9.0	9.1	9.2	9.3	9.4	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2
LD400446				8.0	8.1	9.0	9.1	9.2	9.3	9.4	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4
DI WM				8.0	8.1	9.0	9.1	9.2	9.3	9.4	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER																							
COMPONENT LAYOUT	480446	1																							
PARTS LIST	LP400446	ALL																							
SCHEMATIC	430446	1																							
SCHEMATIC	430446	2																							
SCHEMATIC	430446	3																							
SCHEMATIC	430446	4																							
SCHEMATIC	430446	5																							
FUNCTIONAL TEST PROC.	460446/FT	1-7																							
FUNC. TEST TICK LIST	470446/FT	1																							

NOTES: INDICATES NO CHANGE TO DOCS AT ISSUE LEVEL CHANGE

datron INSTRUMENTS LTD. NORWICH ENGLAND

DATE: 5 7 85

CHK'D: MJD

DATE: 10 28 85

APPROVED: [Signature]

DATE: 28 7 85

TITLE: 4200 SINE SOURCE PCB ASSY.

DRAWING NO: LD400446

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB SINE SOURCE 4700 DRG NO: LP400446-11 REV: 5 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R4	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A	EA	1	
R5	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	8	
R6	012003	RES MF 200K 1% .12W 50PPM	MEC	H8 200K 1% 50PPM	A	EA	1	
R7	012002	RES MF 20K0 1% .12W 50PPM	MEC	H8 20K0 1% 50PPM	A	EA	1	
R8	013920	RES MF 392R 1% .12W 50PPM	MEC	H8 392R 1% 50PPM	A	EA	1	
R9	011501	RES MF 1K50 1% .12W 50PPM	MEC	H8 1K50 1% 50PPM	A	EA	3	
R10	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	2	
R11	012001	RES MF 2K00 1% .12W 50PPM	MEC	H8 2K00 1% 50PPM	A	EA	2	
R12	014321	RES MF 4K32 1% .12W 50PPM	MEC	H8 4K32 1% 50PPM	A	EA	2	
R15	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	6	
R17	000109	RES CF 10R 5% .25W	NEOHM	CFR25 10R 5%	A	EA	4	
R22	000123	RES CF 12K 5% .25W	NEOHM	CFR25 12K 5%	A	EA	1	
R23	000122	RES CF 1K2 5% .25W	NEOHM	CFR25 1K2 5%	A	EA	2	
R24	000332	RES CF 3K3 5% .25W	NEOHM	CFR25 3K3 5%	A	EA	1	
R25	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	5	
R26	000272	RES CF 2K7 5% .25W	NEOHM	CFR25 2K7 5%	A	EA	1	
R27	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	2	
R28	012001	RES MF 2K00 1% .12W 50PPM	MEC	H8 2K00 1% 50PPM	A	EA	-	
R29	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	-	
R30	047153	RES MF 715K 1% .12W 50PPM	MEC	H8 715K 1% 50PPM	A	EA	2	
R31	013573	RES MF 357K 1% .12W 50PPM	MEC	H8 357K 1% 50PPM	A	EA	2	
R32	011783	RES MF 178K 1% .12W 50PPM	MEC	H8 178K 1% 50PPM	A	EA	2	
R33	018872	RES MF 88K7 1% .12W 50PPM	MEC	H8 88K7 1% 50PPM	A	EA	2	
R34	014422	RES MF 44K2 1% .12W 50PPM	MEC	H8 44K2 1% 50PPM	A	EA	2	
R35	012262	RES MF 22K6 1% .12W 50PPM	MEC	H8 22K6 1% 50PPM	A	EA	2	
R36	011132	RES MF 11K3 1% .12W 50PPM	MEC	H8 11K3 1% 50PPM	A	EA	2	
R37	015621	RES MF 5K62 1% .12W 50PPM	MEC	H8 5K62 1% 50PPM	A	EA	2	
R38	012801	RES MF 2K80 1% .12W 50PPM	MEC	H8 2K80 1% 50PPM	A	EA	2	
R39	000152	RES CF 1K5 5% .25W	NEOHM	CFR25 1K5 5%	A	EA	3	
R40	000152	RES CF 1K5 5% .25W	NEOHM	CFR25 1K5 5%	A	EA	-	
R41	239060-1	TRAN JFET N-CHEAN DUAL + RES	DATRON	SEE DRG		S2	1	
R42	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R43	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R44	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R45	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R46	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	10	
R47	001182	RES CF 1K8 5% .5W	NEOHM	CFR50 1K8 5%	A	EA	4	
R48	011823	RES MF 182K 1% .12W 50PPM	MEC	H8 182K 1% 50PPM	A	EA	1	
R49	067203	RES CT 20K SIDE ADJ M/T	BECKMAN	68XR20K	A	EA	2	
R50	067203	RES CT 20K SIDE ADJ M/T	BECKMAN	68XR20K	A	EA	-	
R51	014990	RES MF 499R 1% .12W 50PPM	MEC	H8 499R 1% 50PPM	A	EA	2	
R52	063100	RES CT 10R TOP ADJ S/T	BECKMAN	72P10R	A	EA	1	
R53	014751	RES MF 475 1% .12W 50PPM	MEC	H8 475 1% 50PPM	A	EA	3	
R54	012215	RES MF 22R1 1% .12W 50PPM	MEC	H8 22R1 1% 50PPM	A	EA	1	
R55	047153	RES MF 715K 1% .12W 50PPM	MEC	H8 715K 1% 50PPM	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R56	013573	RES MF 357K 1% .12W 50PPM	MEC	H8 357K 1% 50PPM	A	EA	-	
R57	011783	RES MF 178K 1% .12W 50PPM	MEC	H8 178K 1% 50PPM	A	EA	-	
R58	018872	RES MF 88K7 1% .12W 50PPM	MEC	H8 88K7 1% 50PPM	A	EA	-	
R59	014422	RES MF 44K2 1% .12W 50PPM	MEC	H8 44K2 1% 50PPM	A	EA	-	
R60	012262	RES MF 22K6 1% .12W 50PPM	MEC	H8 22K6 1% 50PPM	A	EA	-	
R61	011132	RES MF 11K3 1% .12W 50PPM	MEC	H8 11K3 1% 50PPM	A	EA	-	
R62	015621	RES MF 5K62 1% .12W 50PPM	MEC	H8 5K62 1% 50PPM	A	EA	-	
R63	012801	RES MF 2K80 1% .12W 50PPM	MEC	H8 2K80 1% 50PPM	A	EA	-	
R64	013321	RES MF 3K32 1% .12W 50PPM	MEC	H8 3K32 1% 50PPM	A	EA	2	
R65	013321	RES MF 3K32 1% .12W 50PPM	MEC	H8 3K32 1% 50PPM	A	EA	-	
R66	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R67	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R68	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R69	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R70	011501	RES MF 1K50 1% .12W 50PPM	MEC	H8 1K50 1% 50PPM	A	EA	-	
R71	011501	RES MF 1K50 1% .12W 50PPM	MEC	H8 1K50 1% 50PPM	A	EA	-	
R72	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R73	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R74	012743	RES MF 274K 1% .12W 50PPM	MEC	H8 274K 1% 50PPM	A	EA	1	
R75	014990	RES MF 499R 1% .12W 50PPM	MEC	H8 499R 1% 50PPM	A	EA	-	
R76	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R77	001182	RES CF 1K8 5% .5W	NEOHM	CFR50 1K8 5%	A	EA	-	
R78	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R79	012551	RES MF 2K55 1% .12W 50PPM	MEC	H8 2K55 1% 50PPM	A	EA	2	
R80	012551	RES MF 2K55 1% .12W 50PPM	MEC	H8 2K55 1% 50PPM	A	EA	-	
R81	000822	RES CF 8K2 5% .25W	NEOHM	CFR25 8K2 5%	A	EA	5	
R82	000822	RES CF 8K2 5% .25W	NEOHM	CFR25 8K2 5%	A	EA	-	
R83	000822	RES CF 8K2 5% .25W	NEOHM	CFR25 8K2 5%	A	EA	-	
R84	000822	RES CF 8K2 5% .25W	NEOHM	CFR25 8K2 5%	A	EA	-	
R85	000152	RES CF 1K5 5% .25W	NEOHM	CFR25 1K5 5%	A	EA	-	
R86	000433	RES CF 43K 5% .25W	NEOHM	CFR25 43K 5%	A	EA	1	
R87	000822	RES CF 8K2 5% .25W	NEOHM	CFR25 8K2 5%	A	EA	-	
R88	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A	EA	4	
R89	000362	RES CF 3K6 5% .25W	NEOHM	CFR25 3K6 5%	A	EA	2	
R90	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R91	013161	RES MF 3K16 1% .12W 50PPM	MEC	H8 3K16 1% 50PPM	A	EA	2	
R92	000122	RES CF 1K2 5% .25W	NEOHM	CFR25 1K2 5%	A	EA	-	
R93	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R94	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R95	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R96	011872	RES MF 18K7 1% .12W 50PPM	MEC	H8 18K7 1% 50PPM	A	EA	2	
R97	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	3	
R98	011378	RES MF 13R7 1% .12W 50PPM	MEC	H8 13R7 1% 50PPM	A	EA	2	
R99	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R100	011872	RES MF 18K7 1% .12W 50PPM	MEC	H8 18K7 1% 50PPM	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R101	011378	RES MF 13R7 1% .12W 50PPM	MEC	H8 13R7 1% 50PPM	A	EA	-	
R102	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A	EA	-	
R103	013091	RES MF 3K09 1% .12W 50PPM	MEC	H8 3K09 1% 50PPM	A	EA	2	
R104	011541	RES MF 1K54 1% .12W 50PPM	MEC	H8 1K54 1% 50PPM	A	EA	2	
R105	011541	RES MF 1K54 1% .12W 50PPM	MEC	H8 1K54 1% 50PPM	A	EA	-	
R106	013091	RES MF 3K09 1% .12W 50PPM	MEC	H8 3K09 1% 50PPM	A	EA	-	
R107	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R108	017871	RES MF 7K87 1% .12W 50PPM	MEC	H8 7K87 1% 50PPM	A	EA	1	
R109	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	9	
R110	000225	RES CF 2M2 5% .25W	NEOHM	CFR25 2M2 5%	A	EA	1	
R112	000100	RES CF 10R 5% .25W	NEOHM	CFR25 10R 5%	A	EA	-	
R113	000362	RES CF 3K6 5% .25W	NEOHM	CFR25 3K6 5%	A	EA	-	
R114	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R115	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R116	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R117	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R118	012432	RES MF 24K3 1% .12W 50PPM	MEC	H8 24K3 1% 50PPM	A	EA	2	
R119	012432	RES MF 24K3 1% .12W 50PPM	MEC	H8 24K3 1% 50PPM	A	EA	-	
R120	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R121	017501	RES MF 7K50 1% .12W 50PPM	MEC	H8 7K50 1% 50PPM	A	EA	1	
R122	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R123	066103	RES CT 10K STIDE ADJ S/T	BECKMAN	72XWR10K	A	EA	1	
R124	000100	RES CF 10R 5% .25W	NEOHM	CFR25 10R 5%	A	EA	-	
R125	000100	RES CF 10R 5% .25W	NEOHM	CFR25 10R 5%	A	EA	-	
R126	001182	RES CF 1K8 5% .5W	NEOHM	CFR50 1K8 5%	A	EA	-	
R127	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R128	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R129	011511	RES MF 1K21 1% .12W 50PPM	MEC	H8 1K21 1% 50PPM	A	EA	1	
R130	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R131	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R132	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R133	001182	RES CF 1K8 5% .5W	NEOHM	CFR50 1K8 5%	A	EA	-	
R134	014321	RES MF 4K32 1% .12W 50PPM	MEC	H8 4K32 1% 50PPM	A	EA	-	
R135	012491	RES MF 2K49 1% .12W 50PPM	MEC	H8 2K49 1% 50PPM	A	EA	2	
R136	090063	THERMISTOR PTC	PHILIPS	KTY81-120	A	EA	2	
R137	090063	THERMISTOR PTC	PHILIPS	KTY81-120	A	EA	-	
R138	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R139	050153	RES MF 6R2 1% .5W 50PPM	WELWYN	MFR4	A	EA	2	
R140	000202	RES CF 2K0 5% .25W	NEOHM	CFR25 2K0 5%	A	EA	1	
R141	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R142	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R143	012491	RES MF 2K49 1% .12W 50PPM	MEC	H8 2K49 1% 50PPM	A	EA	-	
R144	050153	RES MF 6R2 1% .5W 50PPM	WELWYN	MFR4	A	EA	-	
R145	000221	RES CF 220R 5% .25W	NEOHM	CFR25 220R 5%	A	EA	2	
R146	000221	RES CF 220R 5% .25W	NEOHM	CFR25 220R 5%	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R147	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R148	000278	RES CF 2R7 5% .25W	NEOHM	CFR25 2R7 5%	A	EA	1	
R149	013161	RES MF 3K16 1% .12W 50PPM	MEC	H8 3K16 1% 50PPM	A	EA	-	
R150	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A	EA	-	
R151	014751	RES MF 4K75 1% .12W 50PPM	MEC	H8 4K75 1% 50PPM	A	EA	-	
R152	015230	RES MF 523R 1% .12W 50PPM	MEC	H8 523R 1% 50PPM	A	EA	1	
R153	014320	RES MF 432R 1% .12W 50PPM	MEC	H8 432R 1% 50PPM	A	EA	1	
R154	014751	RES MF 4K75 1% .12W 50PPM	MEC	H8 4K75 1% 50PPM	A	EA	-	
R155	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	3	
R156	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R157	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A	EA	-	
R158	000150	RES CF 15R 5% .25W	NEOHM	CFR25 15R 5%	A	EA	1	
R159	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R160	00000N	NOT FITTED	DATRON	00000N	A	EA	12	
R161	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
AN1	090131	RES PACK 10K X 4 2%	BECKMAN	L08-3S-R10K	A	EA	8	
AN2	090131	RES PACK 10K X 4 2%	BECKMAN	L08-3S-R10K	A	EA	-	
AN3	090131	RES PACK 10K X 4 2%	BECKMAN	L08-3S-R10K	A	EA	-	
AN4	090132	RES PACK 4K7 X 4 2%	BECKMAN	L08-3S-4K7	A	EA	1	
AN5	090140	RES NTWK 22K X 9 2%	BECKMAN	L10-1S-R22K	A	EA	2	
AN6	090141	RES NTWK 1M X 9 2%	BECKMAN	L10-1S-R1M	A	EA	2	
AN7	090131	RES PACK 10K X 4 2%	BECKMAN	L08-3S-R10K	A	EA	-	
AN8	090140	RES NTWK 22K X 9 2%	BECKMAN	L10-1S-R22K	A	EA	-	
AN9	090141	RES NTWK 1M X 9 2%	BECKMAN	L10-1S-R1M	A	EA	-	
AN10	090131	RES PACK 10K X 4 2%	BECKMAN	L08-3S-R10K	A	EA	-	
AN11	090131	RES PACK 10K X 4 2%	BECKMAN	L08-3S-R10K	A	EA	-	
AN12	090086	RES PACK 100K X 8 2%	AB	761-3-100K	A	EA	1	
AN13	090131	RES PACK 10K X 4 2%	BECKMAN	L08-3S-R10K	A	EA	-	
AN14	090142	RES PACK 10K X 4 .5%	BECKMAN	694-3-R10KD	A	EA	1	
AN15	090136	RES PACK 2K X 8 .5%	BECKMAN	698-3-R2KD	A	EA	3	
AN16	090136	RES PACK 2K X 8 .5%	BECKMAN	698-3-R2KD	A	EA	-	
AN17	090131	RES PACK 10K X 4 2%	BECKMAN	L08-3S-R10K	A	EA	-	
AN18	090136	RES PACK 2K X 8 .5%	BECKMAN	698-3-R2KD	A	EA	-	
AN19	090143	RES PACK 500R X 4 .5%	BECKMAN	694-3-R500D	A	EA	1	
AN20	090168	RES PACK 1K X 4 2%	AB	770-83-1K	A	EA	1	
C1	100181	CAP CP 180PF 2% 100V	PHILIPS	2222 683 58181	A	EA	1	
C2	100561	CAP CP 560PF 10% 100V	PHILIPS	2222 630 19561	A	EA	1	
C3	100102	CAP CP 1N 10% 100V	PHILIPS	2222 630 19102	A	EA	15	
C4	110027	CAP PE 3N3F 20% 100V	WIMA	EKS2 3300 20% 100V	A	EA	1	
C5	100121	CAP CP 120PF 2% 100V	PHILIPS	2222 683 34121	A	EA	1	
C6	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	15	
C7	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	34	
C8	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C9	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C10	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C11	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C12	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C13	100102	CAP CP 1N 10% 100V	PHILIPS	2222 630 19102	A	EA	-	
C14	110035	CAP PE 220NF 20% 63V	WIMA	MKS2 0.22 20% 63V	A	EA	1	
C15	110050	CAP PE 22NF 10% 63V	WIMA	MKS2 0.022 10% 63V	A	EA	1	
C16	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C17	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C18	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C19	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C20	102471	CAP CD 470PF 20% 500V N4700	BECK	CD10EM470PMSCR	A	EA	1	
C21	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C22	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C23	100102	CAP CP 1N 10% 100V	PHILIPS	2222 630 19102	A	EA	-	
C24	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C25	120034	CAP CP 220NF 1% 63V	ASHCROFT	M2B22101E	A	EA	2	
C26	102100	CAP CD 10PF 20% 500V NPO	BECK	CD08CG10POMSCR	A	EA	1	
C27	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
C28	120035	CAP PC 22NF 1% 400V	ASHCROFT	M2B22004E	A	EA	2	
C29	102220	CAP CD 22PF 10% 500V N150	BECK	CD08PG22P0KSCR	A	EA	3	
C30	104017	CAP CD 0P56F +/-0P1F 400V	BECK	GD08AG0P56BS	A	EA	2	
C31	102108	CAP CD 1PF +/-0P5F 500V P100	BECK	CD06AG01P0DSCR	A	EA	2	
C32	102188	CAP CD 1P8F +/-5PF 500V	ITT	CD06AG01P8DSCR	A	EA	2	
C33	102398	CAP CD 3P9F +/-0P5F 500V P100	BECK	CD08AG03P9DSCR	A	EA	2	
C34	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C35	100102	CAP CP 1N 10% 100V	PHILIPS	2222 630 19102	A	EA	-	
C36	130083	CAP PS 2NF 1% 160V	PHILIPS	2222 425 42002	A	EA	2	
C37	110042	CAP PE 100PF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	7	
C38	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
C39	100101	CAP CP 100PF 2% 100V	PHILIPS	2222 683 34101	A	EA	3	
C40	100278	CAP CP 2P7F +/-0P25F 100V	PHILIPS	2222 683 09278	A	EA	2	
C41	130084	CAP PS 110PF 1% 630V	PHILIPS	2222 427 41101	A	EA	2	
C42	130042	CAP PS 100PF 1% 630V	SUFLEX	HS 100P/1-7/630	A	EA	2	
C43	102478	CAP CD 4P7F +/-5PF 500V NPO	BECK	CD08AG04P7DSCR	A	EA	2	
C44	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
C45	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C46	100102	CAP CP 1N 10% 100V	PHILIPS	2222 630 19102	A	EA	-	
C47	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C48	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C49	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
C50	120034	CAP PC 220NF 1% 63V	ASHCROFT	M2B22101E	A	EA	-	
C51	120035	CAP PC 22NF 1% 400V	ASHCROFT	M2B22004E	A	EA	-	
C52	104017	CAP CD 0P56F +/-0P1F 400V	BECK	GD08AG0P56BS	A	EA	-	
C53	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C54	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
C55	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
D9	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D10	210043	DIODE ZN 4V3 400mW	PHILIPS	BZX79C4V3	A	EA	4	
D11	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D12	210043	DIODE ZN 4V3 400mW	PHILIPS	BZX79C4V3	A	EA	-	
D13	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D14	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D15	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D16	210043	DIODE ZN 4V3 400mW	PHILIPS	BZX79C4V3	A	EA	-	
D17	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D18	210043	DIODE ZN 4V3 400mW	PHILIPS	BZX79C4V3	A	EA	-	
D19	210091	DIODE ZN 9V1 400mW	PHILIPS	BZX79C9V1	A	EA	-	
D20	213011	DIODE VR 1V4 250mW	PHILIPS	BZV86-1V4	A	EA	2	
D21	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D22	213011	DIODE VR 1V4 250mW	PHILIPS	BZV86-1V4	A	EA	-	
D23	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D24	210056	DIODE ZN 5V6 400mW	PHILIPS	BZX79C5V6	A	EA	2	
D25	210056	DIODE ZN 5V6 400mW	PHILIPS	BZX79C5V6	A	EA	-	
D26	213023	DIODE ZN 6V4 100PPM	PHILIPS	BZV10	A	EA	2	
D27	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D28	220010	DIODE SE	HP	1N5711/1N6263	A	EA	3	
D29	220010	DIODE SB	HP	1N5711/1N6263	A	EA	-	
D30	213023	DIODE ZN 6V4 100PPM	PHILIPS	BZV10	A	EA	-	
D31	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D32	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D33	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D34	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D35	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D36	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	2	
D37	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	-	
D38	220010	DIODE SB	HP	1N5711/1N6263	A	EA	-	
D39	213012	DIODE VR 2V0 250mW	PHILIPS	BZV86-2V0	A	EA	2	
D40	210062	DIODE ZN 6V2 400mW	PHILIPS	BZX79C6V2	A	EA	2	
D41	210062	DIODE ZN 6V2 400mW	PHILIPS	BZX79C6V2	A	EA	-	
D42	213012	DIODE VR 2V0 250mW	PHILIPS	BZV86-2V0	A	EA	-	
D43	210068	DIODE ZN 6V8 400mW	PHILIPS	BZX79C6V8	A	EA	1	
D44	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
Q1	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	35	
Q2	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q3	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q4	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q5	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	6	
Q6	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q7	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	4	
Q8	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q9	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	


DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
Q18	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q19	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506	A	EA	3	
Q20	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q21	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q22	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q23	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q24	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q25	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q26	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q27	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q28	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q29	239060-1	TRAN JFET N-CHAN DUAL + RES	DATRON	SEE DRG	A	S2	-	
Q30	263060	IC LIM 1 SOURCE	NATIONAL	LM334H	A	EA	1	
Q31	240043	TRAN NPN TO92 RESERVE STOCK	MOTOROLA	2N3904	A	EA	2	
Q32	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q33	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q34	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q35	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q36	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q37	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q38	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q39	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q40	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q41	230046	TRAN JFET N-CHAN DUAL	SILICONIX	VCR11N	A	EA	1	
Q42	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506	A	EA	-	
Q43	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506	A	EA	-	
Q44	240043	TRAN NPN TO92 RESERVE STOCK	MOTOROLA	2N3904	A	EA	-	
Q45	250001	TRAN PNP	MOTOROLA	BC214	A	EA	3	
Q46	250001	TRAN PNP	MOTOROLA	BC214	A	EA	-	
Q47	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q48	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q49	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q50	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q51	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q52	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q53	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q54	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q55	240017	TRAN NPN	NATIONAL	LM394H	A	EA	6	
Q56	240017	TRAN NPN	NATIONAL	LM394H	A	EA	-	
Q57	240017	TRAN NPN	NATIONAL	LM394H	A	EA	-	
Q58	240017	TRAN NPN	NATIONAL	LM394H	A	EA	-	
Q59	240017	TRAN NPN	NATIONAL	LM394H	A	EA	-	
Q60	240017	TRAN NPN	NATIONAL	LM394H	A	EA	-	
Q61	230050	TRAN JFET I LIM 2mA	SILICONIX	J508	A	EA	1	
Q62	240013	TRAN NPN TO18	MOTOROLA	BC184C	A	EA	4	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
Q63	240013	TRAN NPN TO18	MOTOROLA	EC124C	A	EA	-	
Q64	240013	TRAN NPN TO18	MOTOROLA	EC124C	A	EA	-	
Q65	240013	TRAN NPN TO18	MOTOROLA	EC124C	A	EA	-	
Q66	230042	TRAN JFET I LIM 3mA	SILICONIX	J509	A	EA	6	
Q67	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q68	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q69	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
Q70	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q71	250008	TRAN PNP TO18	MOTOROLA	BC214C	A	EA	2	
Q72	250008	TRAN PNP TO18	MOTOROLA	BC214C	A	EA	-	
Q73	230042	TRAN JFET I LIM 3mA	SILICONIX	J509	A	EA	-	
Q74	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A	EA	1	
Q75	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q76	239059-1	TRAN JFET N-CHAN DUAL X 2	DATRON	SEE DRG		S2	1	
Q77	239059-1	TRAN JFET N-CHAN DUAL X 2	DATRON	SEE DRG		S2	-	
Q78	240032	TRAN NPN	MOTOROLA	BF393		EA	4	
Q79	240032	TRAN NPN	MOTOROLA	BF393		EA	-	
Q80	240032	TRAN NPN	MOTOROLA	BF393		EA	-	
Q81	240032	TRAN NPN	MOTOROLA	BF393		EA	-	
Q82	230042	TRAN JFET I LIM 3mA	SILICONIX	J509		EA	-	
Q83	240001	TRAN NPN	MOTOROLA	BC184	A	EA	2	
Q84	230042	TRAN JFET I LIM 3mA	SILICONIX	J509		EA	-	
Q85	250001	TRAN PNP	MOTOROLA	BC214	A	EA	-	
Q86	240031	TRAN NPN	MOTOROLA	BD139		EA	2	
Q87	230042	TRAN JFET I LIM 3mA	SILICONIX	J509		EA	-	
Q88	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q89	230042	TRAN JFET I LIM 3mA	SILICONIX	J509		EA	-	
Q90	250004	TRAN NPN TO92	MOTOROLA	2N3906	A	EA	-	
Q91	240001	TRAN NPN	MOTOROLA	BC184	A	EA	-	
Q92	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q93	240031	TRAN NPN	MOTOROLA	BD139		EA	-	
Q94	250021	TRAN PNP	MOTOROLA	BD140		EA	1	
Q95	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	-	
M1	280101	IC DIG COUNT DEC BIN PL X2	MOTOROLA	MC14569BCP		EA	3	
M2	280057	IC DIG COUNT4 SYNC DEC PL UD	MOTOROLA	MC14510BCP	A	EA	1	
M3	280008	IC DIG NAND2 X4	MOTOROLA	MC14011BCP		EA	1	
M4	280011	IC DIG FLIP FLOP D X2	MOTOROLA	MC14013BCP	A	EA	2	
M5	280101	IC DIG COUNT DEC BIN PL X2	MOTOROLA	MC14569BCP		EA	-	
M6	280076	IC DIG MUX 8:1 ANALOG	MOTOROLA	MC14051BCL	A	EA	2	
M7	280079	IC DIG OR2 X4	MOTOROLA	MC14071BCP		EA	1	
M8	280076	IC DIG MUX 8:1 ANALOG	MOTOROLA	MC14051BCL	A	EA	-	
M9	280101	IC DIG COUNT DEC BIN PL X2	MOTOROLA	MC14569BCP		EA	-	
M10	280025	IC DIG SWITCH QUAD CMOS	MOTOROLA	MC14066BCP	A	EA	1	
M11	280197	IC DIG PHASE LOCKED LOOP	PHILIPS	74HCT4046AP		EA	1	
M12	280125	IC DIG PHASE DETECTOR	NATIONAL	MM74C932N		EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
M13	280011	IC DIG FLIP FLOP D X2	MOTOROLA	MC14013BCP	A	EA	-	
M14	280080	IC DIG HEX SCHMITT TRIGGER	NATIONAL	74C14N		EA	2	
M15	260046	IC LIN OP AMP	HARRIS	HA3 2525-5		EA	3	
M16	260076	IC LIN I MIRROR 1:1	TEXAS	TL011CLP		EA	4	
M17	290090	IC DIG DRIVER DARLINGTON X7	EXAR	XR2202CP	A	EA	4	
M18	260076	IC LIN I MIRROR 1:1	TEXAS	TL011CLP		EA	-	
M19	260134	IC LIN OP AMP FET IP F/SET	ANALOG DEVICES	AD744JN		EA	2	
M20	290090	IC DIG DRIVER DARLINGTON X7	EXAR	XR2202CP	A	EA	-	
M21	280080	IC DIG HEX SCHMITT TRIGGER	NATIONAL	74C14N		EA	-	
M22	260087	IC LIN OP AMP BIFET	MOTOROLA	MC34081BP		EA	5	
M23	260133	IC LIN OP AMP	MOTOROLA	MC34080BP		EA	2	
M24	260087	IC LIN OP AMP BIFET	MOTOROLA	MC34081BP		EA	-	
M25	260087	IC LIN OP AMP BIFET	MOTOROLA	MC34081BP		EA	-	
M26	260076	IC LIN I MIRROR 1:1	TEXAS	TL011CLP		EA	-	
M27	260076	IC LIN I MIRROR 1:1	TEXAS	TL011CLP		EA	-	
M28	290090	IC DIG DRIVER DARLINGTON X7	EXAR	XR2202CP	A	EA	-	
M29	280035	IC DIG DECODER BCDTODEC	MOTOROLA	MC14028BCP		EA	1	
M30	260134	IC LIN OP AMP FET IP F/SET	ANALOG DEVICES	AD744JN		EA	-	
M31	260133	IC LIN OP AMP	MOTOROLA	MC34080BP		EA	-	
M32	260057	IC LIN OP AMP	SIGNETICS	NE5534N		EA	1	
M33	290090	IC DIG DRIVER DARLINGTON X7	EXAR	XR2202CP	A	EA	-	
M34	290000	TRAN NPN ARRAY X 5	SILICON GENERAL	SG3083J	A	EA	2	
M35	260042	IC LIN OP AMP DUAL	SIGNETICS	NE5532N		EA	2	
M36	280023	IC DIG NOR2 QUAD	MOTOROLA	MC14001UBCP		EA	1	
M37	260078	IC LIN V COMP DUAL	NATIONAL	LM393AN	A	EA	1	
M38	280126	IC DIG DAC	ANALOG DEVICES	AD75271N	A	EA	1	
M39	260033	IC LIN REG 5V .1A	MOTOROLA	MC78L05ACP	A	EA	3	
M40	290000	TRAN NPN ARRAY X 5	SILICON GENERAL	SG3083J	A	EA	-	
M41	260042	IC LIN OP AMP DUAL	SIGNETICS	NE5532N		EA	-	
M42	280127	IC DIG DAC MULT 10BIT	ANALOG DEVICES	AD7533JN		EA	2	
M43	280127	IC DIG DAC MULT 10BIT	ANALOG DEVICES	AD7533JN		EA	-	
M44	260087	IC LIN OP AMP BIFET	MOTOROLA	MC34081BP		EA	-	
M45	260027	IC LIN OP AMP	FAIRCHILD	UA714HC	A	EA	1	
M46	260046	IC LIN OP AMP	HARRIS	HA3 2525-5		EA	-	
M47	260087	IC LIN OP AMP BIFET	MOTOROLA	MC34081BP		EA	-	
M48	260046	IC LIN OP AMP	HARRIS	HA3 2525-5		EA	-	
M49	260049	IC LIN V COMP DUAL	NATIONAL	LM319N		EA	1	
M50	260033	IC LIN REG 5V .1A	MOTOROLA	MC78L05ACP	A	EA	-	
M51	260033	IC LIN REG 5V .1A	MOTOROLA	MC78L05ACP	A	EA	-	
RL1	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134	TO DRG	EA	8	
RL2	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134	TO DRG	EA	-	
RL3	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134	TO DRG	EA	-	
RL4	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134	TO DRG	EA	-	
RL5	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134	TO DRG	EA	-	
RL6	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134	TO DRG	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
RL7	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134 TO DRG				EA -
RL8	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134 TO DRG				EA -
L1	370003	CHOKE RF 10UH 76mA	SIGMA	10-10-0549-10				EA 2
L2	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A			EA 6
L3	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A			EA -
L4	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A			EA -
L5	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A			EA -
L6	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A			EA -
L7	370026	CHOKE RF 1UH 880mA	SIGMA	10-10-0513-10				EA 1
L8	370003	CHOKE RF 10UH 76mA	SIGMA	10-10-0549-10				EA -
L9	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A			EA -
	410171-12	PCB SINE SOURCE 4800	MANCHESTER CIRCUITS	SEE DRG				EA 1
	420098	LABEL SERIAL/ASSY No	RS COMPONENTS	554-793				EA 1
	420112-1	LABEL SSD WARNING 12 X 12mm	TEKNIS	LN1212	A			EA 1
	450450-1	HEATSINK SINE SOURCE 4200	ADVANCE	SEE DRG				EA 1
	450841-1	SCREEN SINE SOURCE 4700	ADVANCE	SEE DRG				EA 1
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG				AR 1
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG				AR 1
	590001	SLEEVE NP 1.5 X 20MM BLK	BELLERMANN	H15 X 20MM BLK				EA 1
	602001	TERMINAL FSU	HILL-MAX	1065015013002102	A			EA 8
	604046	PLUG PCB 3-WAY .1"	MOLEX	22-10-2031				EA 2
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A			EA 17
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A			EA 9
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A			EA 16
	605065	SOCKET PCB 28-WAY DIL	JERMYN	J23-18028	A			EA 1
	605127	SOCKET LINK 2-WAY .1" BLK	ASSMANN	AKSPL-G				EA 2
	611007	SCREW M3 X 6 POZICKS SZP	GKN	SEE DRG				EA 4
	611016	SCREW M3 X 8 POZIPAN SZP	GKN	SEE DRG				EA 2
	611025	SCREW M3 X 16 POZICKS SZP	GKN	SEE DRG				EA 1
	612004-1	STANDOFF M3 X 4	SWIFT ENGINEERING	SEE DRG				EA 4
	612026-1	STANDOFF M3 X 6	SWIFT ENGINEERING	SEE DRG				EA 1
	613005	WASHER M3 INT SHAKP SZP	GKN	SEE DRG				EA 2
	615002	NUT FULL M3 SZP	GKN	SEE DRG				EA 2
	620003	PIN SOLDER	MILL-MAX	3130200010000080				EA 2
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30				EA 31
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2/D0006				EA 8
	630107	STRIP BRASS 15.5 X 0.38mm	RIGHTON	CZ108 1/2H				AR 1
	630120	PCB EJECTOR YELLOW	RICCO	CBE-15				EA 2
	900003	HEATSINK COMPOUND	RS COMPONENTS	554-311				AR 1
	920089-1	HEATSINK TO220	THERMALLOY	6073B				EA 2

End

DRAWING No. LD400536		CHK'D																						
DI WM		DATE		ECO		REVISION		ISSUE																
		1.0	2.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	3.0	3.0							
DESCRIPTION		DRAWING NUMBER		SHEET NUMBER		ISSUE - REVISION																		
COMPONENT LAYOUT		480536		1	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	2.0	2.1	2.2	3.0	3.0							
PARTS LIST		LP400536		ALL																				
SCHEMATIC		430536		1	1.0	1.1	1.1	1.1		1.2			2.0	2.1	2.1	3.0	3.1							
SCHEMATIC		430536		2	1.0	1.1																		
SCHEMATIC		430536		3	1.0	1.1																		
SCHEMATIC		430536		4	1.0	1.1																		
FUNCTIONAL TEST PROC.		460536/FT		ALL	1.0	1.1						2.0	2.0	3.0	3.0	3.1	3.1							
FUNC. TEST TICK LIST		470536/FT		ALL	1.0									3.0										
DC TEST PROC.		PT 400536		DISC																2.0				
P.C.B.		410258		1	1.0									2.0										
NOTES		INDICATES NO CHANGE TO DOC AT ISSUE LEVEL CHANGE.							DRN DATE C. 3. 86				CHK'D DATE 18/3/86				APPR DATE 9/8/86				TITLE DC. PCB. ASSY.		DRAWING No. LD 400536	

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB DC 4700 DRG NO: LP400536-4 REV: 7 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	000274	RES CF 270K 5% .25W	NEOHM	CFR25 270K 5%	A	EA	2	
R2	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	3	
R3	000274	RES CF 270K 5% .25W	NEOHM	CFR25 270K 5%	A	EA	-	
R4	019091	RES MF 9K09 1% .12W 50PPM	MEC	H8 9K09 1% 50PPM	A	EA	3	
R5	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	4	
R6	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R7	014992	RES MF 49K9 1% .12W 50PPM	MEC	H8 49K9 1% 50PPM	A	EA	1	
R8	012212	RES MF 22K1 1% .12W 50PPM	MEC	H8 22K1 1% 50PPM	A	EA	1	
R9	014322	RES MF 43K2 1% .12W 50PPM	MEC	H8 43K2 1% 50PPM	A	EA	1	
R10	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	3	
R11	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	-	
R12	000133	RES CF 13K 5% .25W	NEOHM	CFR25 13K 5%	A	EA	2	
R13	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	-	
R14	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	2	
R15	041005	RES MF 10M0 1% .12W 100PPM	STEATITE	MK2010MFC	A	EA	10	
R16	041005	RES MF 10M0 1% .12W 100PPM	STEATITE	MK2010MFC	A	EA	-	
R17	090157-1	RES FL SET 1M X 5/900K/100K	VISHAY MANN	HA518-10 TO DRG	A	S6	1	
R18	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	-	
R19	000244	RES CF 240K 5% .25W	NEOHM	CFR25 240K 5%	A	EA	1	
R20	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	4	
R21	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	5	
R22	000164	RES CF 160K 5% .25W	NEOHM	CFR25 160K 5%	A	EA	1	
R23	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R24	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R25	041005	RES MF 10M0 1% .12W 100PPM	STEATITE	MK2010MFC	A	EA	-	
R26	041005	RES MF 10M0 1% .12W 100PPM	STEATITE	MK2010MFC	A	EA	-	
R27	090157-1	RES FL SET 1M X 5/900K/100K	VISHAY MANN	HA518-10 TO DRG	A	S6	-	
R28	090159-1	RES FL NTWK 1K/111R11 0.02%R	VISHAY MANN	HA518-10 TO DRG	A	EA	1	
R30	045623	RES MF 562K 1% .12W 50PPM	MEC	H8 562K 1% 50PPM	A	EA	2	
R31	017500	RES MF 750R 1% .12W 50PPM	MEC	H8 750R 1% 50PPM	A	EA	1	
R32	045623	RES MF 562K 1% .12W 50PPM	MEC	H8 562K 1% 50PPM	A	EA	-	
R33	013161	RES MF 3K16 1% .12W 50PPM	MEC	H8 3K16 1% 50PPM	A	EA	2	
R34	000153	RES CF 15K 5% .25W	NEOHM	CFR25 15K 5%	A	EA	2	
R35	000153	RES CF 15K 5% .25W	NEOHM	CFR25 15K 5%	A	EA	-	
R36	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R37	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	2	
R38	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	-	
R39	013161	RES MF 3K16 1% .12W 50PPM	MEC	H8 3K16 1% 50PPM	A	EA	-	
R40	000272	RES CF 2K7 5% .25W	NEOHM	CFR25 2K7 5%	A	EA	1	
R41	000273	RES CF 27K 5% .25W	NEOHM	CFR25 27K 5%	A	EA	1	
R42	000155	RES CF 1M5 5% .25W	NEOHM	CFR25 1M5 5%	A	EA	1	
R43	041005	RES MF 10M0 1% .12W 100PPM	STEATITE	MK2010MFC	A	EA	-	
R44	041005	RES MF 10M0 1% .12W 100PPM	STEATITE	MK2010MFC	A	EA	-	
R45	090157-1	RES FL SET 1M X 5/900K/100K	VISHAY MANN	HA518-10 TO DRG	A	S6	-	
R46	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
D30	213011	DIODE VR 1V4 250mW	PHILIPS	BZV86-1V4			EA	1
D31	213001	DIODE ZN 10V 5W	MOTOROLA	1N5347B			EA	1
D32	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A		EA	-
D33	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A		EA	-
D34	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A		EA	-
D35	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A		EA	-
D36	210033	DIODE ZN 3V3 400mW	PHILIPS	BZX79C3V3	A		EA	-
D37	210033	DIODE ZN 3V3 400mW	PHILIPS	BZX79C3V3	A		EA	-
D38	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A		EA	2
D39	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A		EA	-
D40	214014	DIODE ZN 1V22 100PPM	TELEDYNE	9491BJ	A		EA	-
D41	214014	DIODE ZN 1V22 100PPM	TELEDYNE	9491BJ	A		EA	-
D42	220043	DIODE FET 10mA	SILICONIX	JPAD50			EA	2
D43	220043	DIODE FET 10mA	SILICONIX	JPAD50			EA	-
D44	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A		EA	-
D45	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A		EA	-
D46	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A		EA	-
D47	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A		EA	-
D48	210062	DIODE ZN 6V2 400mW	PHILIPS	BZX79C6V2	A		EA	2
D49	210062	DIODE ZN 6V2 400mW	PHILIPS	BZX79C6V2	A		EA	-
D50	210047	DIODE ZN 4V7 400mW	PHILIPS	BZX79C4V7	A		EA	2
D51	210047	DIODE ZN 4V7 400mW	PHILIPS	BZX79C4V7	A		EA	-
D52	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A		EA	-
D53	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A		EA	-
Q1	230036	TRAN JFET N-CHAN	SILICONIX	J108	A		EA	1
Q2	230042	TRAN JFET I LIM 3mA	SILICONIX	J509			EA	2
Q3	230042	TRAN JFET I LIM 3mA	SILICONIX	J509			EA	-
Q4	240001	TRAN NPN	MOTOROLA	BC184	A		EA	1
Q5	230031	TRAN JFET N-CHAN DUAL	SILICONIX	U404	A		EA	2
Q6	240018	TRAN NPN	MOTOROLA	MJE340			EA	1
Q7	250025	TRAN PNP	MOTOROLA	MJE350			EA	1
Q8	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506			EA	2
Q9	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506			EA	-
Q10	230031	TRAN JFET N-CHAN DUAL	SILICONIX	U404	A		EA	-
M1	260086	IC LIN AUDIO AMP DUAL 2W	NATIONAL	LM1877N			EA	1
M2	260042	IC LIN OP AMP DUAL	SIGNETICS	NE5532N			EA	3
M3	280023	IC DIG NOR2 QUAD	MOTOROLA	MC14001UBCP			EA	1
M4	280045	IC DIG NOR3 X3	MOTOROLA	MC14025BCP	A		EA	1
M5	280079	IC DIG OR2 X4	MOTOROLA	MC14071BCP			EA	2
M6	280035	IC DIG DECODER BCDTODEC	MOTOROLA	MC14028BCP	A		EA	1
M10	280079	IC DIG OR2 X4	MOTOROLA	MC14071BCP			EA	-
M11	280009	IC DIG INV X6	MOTOROLA	MC14049UBCP	A		EA	1
M12	280178	IC DIG MONO DUAL	PHILIPS	HEP4528BP	S		EA	1
M13	260075	IC LIN V COMP DUAL	NATIONAL	LM2903N	A		EA	1
M14	260042	IC LIN OP AMP DUAL	SIGNETICS	NE5532N			EA	-

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
M15	260042	IC LIN OP AMP DUAL	SIGNETICS	NE5532N			EA	-
M16	260073	IC LIN OP AMP	NATIONAL	LF411CN			EA	1
M17	260049	IC LIN V COMP DUAL	NATIONAL	LM319N			EA	1
M18	260080	IC LIN V COMP	NATIONAL	LM311N			EA	1
M19	220027	OPTO ISOL HIGH CMR	HP	HCPL2601	A		EA	1
M20	260027	IC LIN OP AMP	FAIRCHILD	UA714HC	A		EA	1
M21	260082	IC LIN OP AMP CHOPPER	LINEAR TECHNOLOGY	LTCL052CN8			EA	1
M22	260081	IC LIN OP AMP	SIGNETICS	NE5534AN			EA	1
M23	260059	IC LIN BUFF AMP	NATIONAL	LH0002CH			EA	1
RL1	330040	RELAY 1PCO LATCH 6V 1KV	SDS	DS1E-SL-6V			EA	5
RL2	330039	RELAY 4PNO 6V	SDS	S4-L-6V			EA	6
RL3	330040	RELAY 1PCO LATCH 6V 1KV	SDS	DS1E-SL-6V			EA	-
RL4	330039	RELAY 4PNO 6V	SDS	S4-L-6V			EA	-
RL5	330041	RELAY 2PCO LATCH 6V 1KV	SDS	DS2E-SL-6V			EA	2
RL6	330041	RELAY 2PCO LATCH 6V 1KV	SDS	DS2E-SL-6V			EA	-
RL7	330039	RELAY 4PNO 6V	SDS	S4-L-6V			EA	-
RL8	330042-2	RELAY 3PNO 1PNC 6V	SDS	S3-L-6V TO DRG			EA	1
RL9	330038	RELAY 2PNO 2PNC 6V	SDS	S2-L-6V			EA	3
RL10	330039	RELAY 4PNO 6V	SDS	S4-L-6V			EA	-
RL11	330039	RELAY 4PNO 6V	SDS	S4-L-6V			EA	-
RL12	330040	RELAY 1PCO LATCH 6V 1KV	SDS	DS1E-SL-6V			EA	-
RL13	330040	RELAY 1PCO LATCH 6V 1KV	SDS	DS1E-SL-6V			EA	-
RL14	330038	RELAY 2PNO 2PNC 6V	SDS	S2-L-6V			EA	-
RL15	330030	RELAY 4PNO 24V	SDS	S4-24V			EA	1
RL16	330038	RELAY 2PNO 2PNC 6V	SDS	S2-L-6V			EA	-
RL17	330040	RELAY 1PCO LATCH 6V 1KV	SDS	DS1E-SL-6V			EA	-
RL18	330039	RELAY 4PNO 6V	SDS	S4-L-6V			EA	-
L1	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A		EA	7
L2	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A		EA	-
L3	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A		EA	-
L4	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A		EA	-
L5	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A		EA	-
L6	370012	CHOKE RF 470NH 1A39	SIGMA	10-10-0509-10	A		EA	1
L7	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A		EA	-
L8	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A		EA	-
W1	209003	DIODE BR 1A5 100V	GI	W01G	A		EA	1
F1	920120	FUSE 1A 125V 7MM	LITTELFUSE	275.025			EA	5
F2	920190	FUSE 250mA PIGTAIL	BESWICK	TDC483	S		EA	1
F3	920120	FUSE 1A 125V 7MM	LITTELFUSE	275.025			EA	-
F4	920120	FUSE 1A 125V 7MM	LITTELFUSE	275.025			EA	-
F5	920120	FUSE 1A 125V 7MM	LITTELFUSE	275.025			EA	-
F6	920120	FUSE 1A 125V 7MM	LITTELFUSE	275.025			EA	-
	400668-1	ASSY PCB DC CLAMP 4700	DATRON	SEE DRG			EA	1
	410258-4	PCB DC 4700	MANCHESTER CIRCUITS	SEE DRG			EA	1
	512999	WIRE 7/.2 PTFE 1KV WHT	BTCC	SEE DRG			AR	1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG				AR 1
	590004	SLEEVE PTFE 1mm BLK	HELLERMANN	FE10BK				AR 1
	590007	LACING TAPE 1.6MM	ALPHA	LC134	S			AR 1
	602001	TERMINAL FSV	MILL-MAX	1065015013002102	A			EA 2
	604046	PLUG PCB 3-WAY .1"	MOLEX	22-10-2031				EA 6
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A			EA 9
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A			EA 6
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A			EA 3
	605070	SOCKET PCB 20-WAY DIL	JERMYN	J23-18020	A			EA 3
	605127	SOCKET LINK 2-WAY .1" BLK	ASSMANN	AKSPL-G				EA 6
	618004	PAD MNTG T018	JERMYN	T018-008D				EA 2
	620006	SOLDER TURRET	HARWIN	H9001-01				EA 10
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30				EA 21
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	NG2/D0006				EA 68
	630036	BEAD CERAMIC 18 SWG	PARK ROYAL PORCELAIN	NG1/D0005				EA 26
	630119	PCB EJECTOR ORANGE	RICHCO	CBE-14				EA 2
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL PREFORMS LT	M5363B/3				EA 34
	900004	SILICONE RUBBER COMPOUND	RS COMPONENTS	555-588				AR 1

End

DRAWING No. LD400537		CHK'D	DATE	RCD	REVISION	ISSUE	
DI WM		1-0	2162	12.3.86	1-1	2184	21.3.86
		1-1	2184	21.3.86	1-2	2260	25.8.86
		1-2	2260	25.8.86	1-3	2311	4.7.86
		1-3	2311	4.7.86	1-3	2386	30.1.87
		2-0	2507	15.3.87	2-1	2637	19.8.87
		2-1	2637	19.8.87	2-2	3070	20.8.88
		2-2	3070	20.8.88	2-3	3214	15.2.89
		2-3	3214	15.2.89	2-4	3345	3.8.89
		2-4	3345	3.8.89	2-5	3451	20.11.89
		2-5	3451	20.11.89	2-6	3570	3.4.90
		2-6	3570	3.4.90	2-7	3713	6.11.90
		2-7	3713	6.11.90	2-8	3755	8.1.91
		2-8	3755	8.1.91	2-9	3764	25.1.91
		2-9	3764	25.1.91			
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION				
COMPONENT LAYOUT	480537	1	1.0	1-1	1-2	1-3	2.0
PARTS LIST	LP400537	ALL					
SCHEMATIC	430537	1	1.0	1-1			2.0
FUNCTIONAL TEST PROC	460537/FT	ALL	1.0				2.0
FUNC. TEST TICK LIST	470537/FT	ALL	1.0				2.0
PCB	410327		1.0				2.0

NOTES	datron INSTRUMENTS LTD HOPWICH ENGLAND	DRN 11	CHKD R.H. COGGAN	APPD R	TITLE 4700 HV PCB ASSY	DRAWING No. LD400537
		DATE 12/3/86	DATE 13/3/86	DATE 14/3/86		

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB HV DRG NO: LP400537-2 REV: 9 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	008032	RES NW 270R 5% 2.5W	WELWYN	W21-270R		EA	1	
R2	008029	RES MF 18R 1% 0.6W	PHILIPS	MRS25-18R-1		EA	2	
R3	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	5	
R4	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R5	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R6	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	1	
R7	000103	RES CF 10R 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R8	008029	RES MF 18R 1% 0.6W	PHILIPS	MRS25-18R-1		EA	-	
R9	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	1	
R10	001151	RES CF 150R 5% .5W	NEOHM	CFR50 150R 5%		EA	1	
R12	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R13	00000N	NOT FITTED	DATRON	00000N		EA	1	
R14	008026	RES NW 2K7 5% 2.5W	WELWYN	W21-2K7		EA	1	
R15	000181	RES CF 180R 5% .25W	NEOHM	CFR25 180R 5%	A	EA	1	
AM1	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3S-R10K	A	EA	2	
AN2	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3S-R10K	A	EA	-	
AN3	090096	RES NTRK 1M X 8 2%	BECKMAN	LO9-1S-R1M	A	EA	1	
C1	140047	CAP PP 33NF 10% 1K5V	STEATITE	MKP 1841-333/15 5	A	EA	3	
C2	140047	CAP PP 33NF 10% 1K5V	STEATITE	MKP 1841-333/15 5	A	EA	-	
C3	180048	CAP AE 470UF 20% 63V	NIPPON CHEMI-CON	SMVB470/63M		EA	2	
C4	180048	CAP AE 470UF 20% 63V	NIPPON CHEMI-CON	SMVB470/63M		EA	-	
C5	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	3	
C6	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C7	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C8	102102	CAP CD 1NF 10% 500V	BECK	CD10K101N0KSCR	A	EA	1	
C9	102221	CAP CD 220PF 10% 500V N3300	BECK	CD10D1220PKSCR	A	EA	1	
C10	140048	CAP PP 47NF 10% 1K6V	STEATITE	MKP 1841-347/13 5	A	EA	1	
C11	102821	CAP CD 820PF 20% 500V	BECK	CD08K1820PMSCR	A	EA	1	
C12	102332	CAP CD 3N3F +40-20% 500V	BECK	CD08K303N3XSCR	A	EA	1	
C13	140047	CAP PP 33NF 10% 1K5V	STEATITE	MKP 1841-333/15 5	A	EA	-	
C14	104044	CAP CD 680PF 10% 2KV	BECK	BD09K2680PKSCR		EA	1	
D1	200020	DIODE FR 1A 1K5V	MOTOROLA	BY339		EA	9	
D2	200020	DIODE FR 1A 1K5V	MOTOROLA	BY339		EA	-	
D3	200020	DIODE FR 1A 1K5V	MOTOROLA	BY339		EA	-	
D4	200020	DIODE FR 1A 1K5V	MOTOROLA	BY339		EA	-	
D5	200020	DIODE FR 1A 1K5V	MOTOROLA	BY339		EA	-	
D6	200020	DIODE FR 1A 1K5V	MOTOROLA	BY339		EA	-	
D7	200020	DIODE FR 1A 1K5V	MOTOROLA	BY339		EA	-	
D8	200020	DIODE FR 1A 1K5V	MOTOROLA	BY339		EA	-	
D9	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	1	
D10	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	1	
D11	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	2	
D12	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	-	
D13	200020	DIODE FR 1A 1K5V	MOTOROLA	BY339		EA	-	
Q1	250011	TRAN PNF TO92	MOTOROLA	BC327	A	EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
M1	290089	IC DIG DRIVER DARLINGTON X7	EXAR	XR2203CP	A	EA	1	
M2	280039	IC DIG ENOR2 X4	MOTOROLA	MCI4077BCP		EA	1	
M3	280023	IC DIG NOR2 QUAD	MOTOROLA	MCI4001UBCP		EA	1	
RL1	330035	RELAY 1PNO 1PNC 24V	SDS	ST1-24V		EA	1	
RL2	330033	RELAY 2PNO 2KV	SDS	JC2ADC24V		EA	3	
RL3	330033	RELAY 2PNO 2KV	SDS	JC2ADC24V		EA	-	
RL4	330033	RELAY 2PNO 2KV	SDS	JC2ADC24V		EA	-	
RL5	330044-1	RELAY 2PCO 24V	OMRON	G2R-224VDC TO DRG	A	EA	1	
L2	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	3	
L3	370007-1	CHOKE DC FILTER 40mH 10R	SIGA	SEE DRG		EA	1	
L4	370015-2	CHOKE DC FILTER 26m5H 10R	SIGA	SEE DRG		EA	2	
L5	370015-2	CHOKE DC FILTER 26m5H 10R	SIGA	SEE DRG		EA	-	
L6	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L7	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
J2A	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041		EA	5	
J2B	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041		EA	-	
J2C	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041		EA	-	
J3A	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041		EA	-	
J3B	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041		EA	-	
	400563-3	ASSY PCB CONSTANT CURRENT 4700	DATRON	SEE DRG		EA	1	
	410327-3	PCB HIGH VOLTAGE 4700	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	420080-1	LABEL DANGER HIGH VOLTAGE	BRADY	SEE DRG		EA	1	
	420098	LABEL SERIAL/ASSY No	RS COMPONENTS	554-793		EA	1	
	420112-1	LABEL SSL WARNING 12 X 12mm	TEKNIS	1N1212	A	EA	1	
	450451-3	INSULATOR RML0 4700	PTFE FABRICATORS	SEE DRG		EA	1	
	450461-3	SAFETY SCREEN HV PCB 4700	JTF	SEE DRG		EA	1	
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG		AR	1	
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A	EA	2	
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A	EA	1	
	611006	SCREW M3 X 10 POZIPAN SZP	GKN	SEE DRG		EA	2	
	613005	WASHER M3 INT SHAKP SZP	GKN	SEE DRG		EA	2	
	613029	WASHER M3 CRINKLE SS	GKN	SEE DRG		EA	2	
	615002	NUT FULL M3 SZP	GKN	SEE DRG		EA	2	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	8	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2/D0006		EA	8	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL PREFORMS LT	M5363B/3		EA	6	

End

DRAWING No. LD400539	CHK'D	
	DATE	
	ECO	
DI WM	REVISION	
	ISSUE	

DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION																			
			7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	7.12							
COMPONENT LAYOUT	480539	1	7.0	7.1																		
PARTS LIST	LP400539	ALL																				
SCHEMATIC	430539	1	7.0	7.1	7.2																	
FUNCTIONAL TEST PROC	460539/FT	1-2	7.0			7.3	7.4					7.5	7.6									
FUNC. TEST TICK LIST	470539/FT	1	7.0									7.1	7.2									
PCB	410246	1				4								5								


NOTES	<input type="checkbox"/> DEMOTES NO CHANGE TO DOC AT ISSUE LEVEL CHANGE	 1000 TRINGHAM ST NORWICH ENGLAND	DRN 11 DATE 10.7.85	CHK'D WJS DATE 12.7.85	APPD DATE	TITLE 4200 PA (NEG) H/S ASSY.	DRAWING No. LD400539
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DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY HS PA NEG 4200 DRG NO: LP400539-7 REV: 12 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R2	008057	RES WW 22K 5% 9W	WELWYN	W23-22K				EA 1
R3	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A			EA 5
R4	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A			EA -
R5	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A			EA -
R6	008055	RES MF 2R2 1% .6W	PHILIPS	MRS25-2R2-1				EA 4
R7	008055	RES MF 2R2 1% .6W	PHILIPS	MRS25-2R2-1				EA -
R8	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A			EA -
R9	090155-1	THERMISTOR NTC 10K	DALE-ACI	SEE DRG				EA 2
R10	090155-1	THERMISTOR NTC 10K	DALE-ACI	SEE DRG				EA -
R11	008055	RES MF 2R2 1% .6W	PHILIPS	MRS25-2R2-1				EA -
R12	012743	RES MF 274K 1% .12W 50PPM	MEC	H8 274K 1% 50PPM	A			EA 4
R13	012743	RES MF 274K 1% .12W 50PPM	MEC	H8 274K 1% 50PPM	A			EA -
R14	008055	RES MF 2R2 1% .6W	PHILIPS	MRS25-2R2-1				EA -
R15	008071	RES WW OR47 5% 2.5W	WELWYN	W21-OR47				EA 1
R16	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A			EA -
R17	012743	RES MF 274K 1% .12W 50PPM	MEC	H8 274K 1% 50PPM	A			EA -
R18	012743	RES MF 274K 1% .12W 50PPM	MEC	H8 274K 1% 50PPM	A			EA -
C1	110043	CAP PE 10NF 20% 630V	WIMA	MKS4 0.01 20% 630V				EA 3
C2	110043	CAP PE 10NF 20% 630V	WIMA	MKS4 0.01 20% 630V				EA -
C3	110043	CAP PE 10NF 20% 630V	WIMA	MKS4 0.01 20% 630V				EA -
C4	120021	CAP PC 470NF 10% 63V	ASHCROFT	M2B47101B				EA 1
C5	110053	CAP PE 47NF 10% 630V	WIMA	MKS4 0.047 10% 630V				EA 4
C6	110053	CAP PE 47NF 10% 630V	WIMA	MKS4 0.047 10% 630V				EA -
C7	110053	CAP PE 47NF 10% 630V	WIMA	MKS4 0.047 10% 630V				EA -
C8	110053	CAP PE 47NF 10% 630V	WIMA	MKS4 0.047 10% 630V				EA -
C9	150002	CAP DT 10UF 20% 16V	AVX	TAP106K016F	A			EA 1
D1	213019	DIODE ZN 200V 500mW	THOMPSON	BZX55C200	A			EA 6
D2	213019	DIODE ZN 200V 500mW	THOMPSON	BZX55C200	A			EA -
D3	213019	DIODE ZN 200V 500mW	THOMPSON	BZX55C200	A			EA -
D4	213019	DIODE ZN 200V 500mW	THOMPSON	BZX55C200	A			EA -
D5	213019	DIODE ZN 200V 500mW	THOMPSON	BZX55C200	A			EA -
D6	213019	DIODE ZN 200V 500mW	THOMPSON	BZX55C200	A			EA -
D7	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A			EA 4
D8	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A			EA -
D9	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A			EA -
D10	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A			EA -
D11	200020	DIODE FR 1A 1K5V	MOTOROLA	BY339				EA 1
D12	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A			EA 1
D13	214012	DIODE ZN 2V45 2.8% 150PPM	FERRANTI	2N458	A			EA 1
Q1	239068-1	TRAN FET TMOS P-CHAN PAIR	DATRON	SEE DRG				S2 1
Q2	239068-1	TRAN FET TMOS P-CHAN PAIR	DATRON	SEE DRG				S2 -
Q3	239114-1	TRAN MOSFET P-CHAN 500V PAIR	DATRON	SEE DRG				S2 1
Q4	239114-1	TRAN MOSFET P-CHAN 500V PAIR	DATRON	SEE DRG				S2 -
Q5	250001	TRAN PNP	MOTOROLA	BC214	A			EA 1
Q6	240001	TRAN NPN	MOTOROLA	BC184	A			EA 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
Q7	230050	TRAN JFET I LIM 2m4A	SILICONIX	J508			EA	1
J2	605053	SOCKET HOUSING 12-WAY .1" PITCH	MOLEX	22-01-2125			EA	1
J1A	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041			EA	2
J1B	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041			EA	-
	410246-5	PCB PA NEG HEATSINK 4700	MANCHESTER CIRCUITS	SEE DRG			EA	1
	420080-1	LABEL DANGER HIGH VOLTAGE	BRADY	SEE DRG			EA	2
	420098	LABEL SERIAL/ASSY No	RS COMPONENTS	554-793			EA	1
	420112-1	LABEL SSD WARNING 12 X 12mm	TEFNIS	1N1212	A		EA	1
	450454-1	HEATSINK 64MM 4700	ADVANCE	SEE DRG			EA	1
	450455-1	HEATSINK 91MM 4700	ADVANCE	SEE DRG			EA	1
	512222	WIRE 7/.2 PTFE 1KV RED	BICC	SEE DRG			AR	1
	512333	WIRE 7/.2 PTFE 1KV ORG	BICC	SEE DRG			AR	1
	512444	WIRE 7/.2 PTFE 1KV YLW	BICC	SEE DRG			AR	1
	512666	WIRE 7/.2 PTFE 1KV BLU	BICC	SEE DRG			AR	1
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG			AR	1
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG			AR	1
	590001	SLEEVE NP 1.5 X 20MM BLK	HELLERMANN	H15 X 20MM BLK			EA	3
	590002	SLEEVE NP 3 X 25MM BLK	HELLERMANN	H30 X 25MM BLK			EA	3
	590005	SLEEVE NP 2 X 20MM BLK	HELLERMANN	H20 X 20MM BLK			EA	1
	605057-1	CRIMP TERM .100 GD PL REEL	MOLEX	08-56-0120 TO DRG			EA	5
	605118-1	SOCKET PCB 1.02MM DIA	CAMBION	SEE DRG			EA	8
	611006	SCREW M3 X 10 POZIPAN SZP	GKN	SEE DRG			EA	9
	611027	SCREW M3 X 20 POZIPAN SZP	GKN	SEE DRG			EA	3
	612004-1	STANDOFF M3 X 4	SWIFT ENGINEERING	SEE DRG			EA	8
	613007	WASHER M3 PLAIN SZP	GKN	SEE DRG			EA	3
	613029	WASHER M3 CRINKLE SS	GKN	SEE DRG			EA	15
	614001-1	SPACER M3 CLEAR X 4	SWIFT ENGINEERING	SEE DRG			EA	4
	615002	NUT FULL M3 SZP	GKN	SEE DRG			EA	6
	620003	PIN SOLDER	MILL-MAX	3130200010000080			EA	5
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA	4
	630003	CLIP 'P' 4.6	SES	CN5			EA	1
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	NO2/D0006			EA	2
	630036	BEAD CERAMIC 18 SWG	PARK ROYAL PORCELAIN	NO1/D0005			EA	2
	900003	HEATSINK COMPOUND	RS COMPONENTS	554-311			AR	1
FB2	920145	BEAD FERRITE	PHILIPS	FX4026	A		EA	1

End

DRAWING No. LD400540		CM'D															
DI WM		DATE															
		ECO															
		REVISION															
		ISSUE	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	6.12	6.13	6.14
DESCRIPTION		DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION													
COMPONENT LAYOUT		480540	1	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11		
PARTS LIST		LP400540	ALL														
SCHEMATIC		430540	1	6.0					6.1			6.2	6.3	6.4	6.13	6.10	6.11
FUNCTIONAL TEST PROC		460540/FT	1-5	6.0						6.1							
FUNC. TEST TICK LIST		470540/FT	1	6.0						6.1							
NOTES		<input type="checkbox"/> DENOTES NO CHANGE TO DOC <input type="checkbox"/> AT ISSUE LEVEL CHANGE				DRN	CHK'D	APPR	TITLE	DRAWING No.							
						DATE	DATE	DATE	4200 PS/I H/S ASSY	LD400540							
						10.7.85	12.7.85	21.7.85		SHEET 1 OF 1							


DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY HS PSU/I 4200 DRG NO: LP400540-6 REV: 14 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	000101	RES CF 100R 5% .25W	NEOHM	CPR25 100R 5%	A	EA	2	
R2	008037	RES WW OR18 10% 2.5W	WELWYN	W21-OR18		EA	2	
R3	008037	RES WW OR18 10% 2.5W	WELWYN	W21-OR18		EA	2	
R4	000101	RES CF 100R 5% .25W	NEOHM	CPR25 100R 5%	A	EA	2	
R5	008045	RES MF 10K 1% .6W	PHILIPS	MRS25-10K-1		EA	2	
R6	000102	RES CF 1K0 5% .25W	NEOHM	CPR25 1K0 5%	A	EA	1	
R7	000220	RES CF 22R 5% .25W	NEOHM	CPR25 22R 5%	A	EA	1	
R8	006105	RES MO 1M0 2% 1W	E-SIL COMPONENTS	FP1 1M0 2%		EA	4	
R9	014991	RES MF 4K99 1% .12W 50PPM	MEC	H8 4K99 1% 50PPM	A	EA	2	
R10	016811	RES MF 6K81 1% .12W 50PPM	MEC	H8 6K81 1% 50PPM	A	EA	2	
R12	000821	RES CF 820R 5% .25W	NEOHM	CPR25 820R 5%	A	EA	2	
R13	006105	RES MO 1M0 2% 1W	E-SIL COMPONENTS	FP1 1M0 2%		EA	4	
R14	007204	RES MO 200K 2% 2W	E-SIL COMPONENTS	FP2 200K 2%		EA	4	
R15	011821	RES MF 1K82 1% .12W 50PPM	MEC	H8 1K82 1% 50PPM	A	EA	2	
R16	016192	RES MF 61K9 1% .12W 50PPM	MEC	H8 61K9 1% 50PPM	A	EA	2	
R17	008062	RES WW 10R 1% 2.5W	WELWYN	W21-10R		EA	2	
R18	006105	RES MO 1M0 2% 1W	E-SIL COMPONENTS	FP1 1M0 2%		EA	4	
R19	007204	RES MO 200K 2% 2W	E-SIL COMPONENTS	FP2 200K 2%		EA	4	
R20	011821	RES MF 1K82 1% .12W 50PPM	MEC	H8 1K82 1% 50PPM	A	EA	2	
R21	016192	RES MF 61K9 1% .12W 50PPM	MEC	H8 61K9 1% 50PPM	A	EA	2	
R22	006105	RES MO 1M0 2% 1W	E-SIL COMPONENTS	FP1 1M0 2%		EA	4	
R23	008062	RES WW 10R 1% 2.5W	WELWYN	W21-10R		EA	2	
R24	008045	RES MF 10K 1% .6W	PHILIPS	MRS25-10K-1		EA	2	
R26	000821	RES CF 820R 5% .25W	NEOHM	CPR25 820R 5%	A	EA	2	
R27	014991	RES MF 4K99 1% .12W 50PPM	MEC	H8 4K99 1% 50PPM	A	EA	2	
R29	016811	RES MF 6K81 1% .12W 50PPM	MEC	H8 6K81 1% 50PPM	A	EA	2	
R30	007204	RES MO 200K 2% 2W	E-SIL COMPONENTS	FP2 200K 2%		EA	4	
R31	007204	RES MO 200K 2% 2W	E-SIL COMPONENTS	FP2 200K 2%		EA	4	
R32	005470	RES MO 47R 2% .5W	E-SIL COMPONENTS	TR5 47R 2%		EA	2	
R33	005470	RES MO 47R 2% .5W	E-SIL COMPONENTS	TR5 47R 2%		EA	2	
R34	013920	RES MF 392R 1% .12W 50PPM	MEC	H8 392R 1% 50PPM	A	EA	2	
R35	013920	RES MF 392R 1% .12W 50PPM	MEC	H8 392R 1% 50PPM	A	EA	2	
C1	104025	CAP CM 100NF +80%-20% 50V	AVX	SR175E104ZAA	A	EA	1	
C5	180045	CAP AE 47UF 63V	PHILIPS	2222 031 38479		EA	2	
C6	180045	CAP AE 47UF 63V	PHILIPS	2222 031 38479		EA	2	
C8	120033	CAP PC 2N2F 20% 1KV	WIMA	FKC3 2200 20% 1000V		EA	2	
C9	150006	CAP DT 4U7F 20% 16V	AVX	TAP475M016F	A	EA	2	
C10	120033	CAP PC 2N2F 20% 1KV	WIMA	FKC3 2200 20% 1000V		EA	2	
C11	150006	CAP DT 4U7F 20% 16V	AVX	TAP475M016F	A	EA	2	
C13	102221	CAP CD 220PF 10% 500V N3300	BECK	CD10DL220PKSCR	A	EA	2	
C14	102221	CAP CD 220PF 10% 500V N3300	BECK	CD10DL220PKSCR	A	EA	2	
C15	150010	CAP DT 330NF 20% 35V	AVX	TAP334M035F	A	EA	2	
C16	150010	CAP DT 330NF 20% 35V	AVX	TAP334M035F	A	EA	2	
D1	210056	DIODE ZN 5V6 400mW	PHILIPS	BZX79C5V6	A	EA	2	
D2	210150	DIODE ZN 15V 400mW	PHILIPS	BZX79C15	A	EA	4	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
D3	210300	DIODE ZN 30V 400mW	PHILIPS	BZX79C30	A	EA	2	
D4	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	4	
D5	213021	DIODE ZN 56V 400mW	PHILIPS	BZX79B56	A	EA	2	
D6	209006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	-	
D7	214014	DIODE ZN 1V22 100PPM	TELEBYNE	9491B3	A	EA	2	
D8	210150	DIODE ZN 15V 400mW	PHILIPS	BZX79C15	A	EA	-	
D9	210150	DIODE ZN 15V 400mW	PHILIPS	BZX79C15	A	EA	-	
D10	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	-	
D11	210300	DIODE ZN 30V 400mW	PHILIPS	BZX79C30	A	EA	-	
D12	213021	DIODE ZN 56V 400mW	PHILIPS	BZX79B56	A	EA	-	
D13	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	-	
D14	210150	DIODE ZN 15V 400mW	PHILIPS	BZX79C15	A	EA	-	
D15	210056	DIODE ZN 5V6 400mW	PHILIPS	BZX79C5V6	A	EA	-	
D16	214014	DIODE ZN 1V22 100PPM	TELEBYNE	9491B3	A	EA	-	
Q1	249052-1	TRAN NPN/PNP DARL PAIR	DATRON	SEE DRG		S2	1	
Q2	249052-1	TRAN NPN/PNP DARL PAIR	DATRON	SEE DRG		S2	-	
Q3	230063	TRAN FET T MOS N-CHAN	MOTOROLA	MTF2N85	A	EA	1	
Q4	250001	TRAN PNP	MOTOROLA	BC214	A	EA	1	
Q5	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	1	
Q6	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	1	
Q7	240001	TRAN NPN	MOTOROLA	BC184	A	EA	2	
Q8	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506	A	EA	2	
Q9	230062	TRAN FET T MOS P-CHAN	MOTOROLA	MTM2P50	A	EA	1	
Q10	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506	A	EA	-	
Q11	230064	TRAN FET T MOS P-CHAN	MOTOROLA	MTF2P50	A	EA	1	
Q12	230061	TRAN FET T MOS N-CHAN	MOTOROLA	MTM2N85	A	EA	1	
Q13	240001	TRAN NPN	MOTOROLA	BC184	A	EA	-	
M1	220018	OPTO ISOL HI-SPEED	HP	6N136	A	EA	2	
M2	220018	OPTO ISOL HI-SPEED	HP	6N136	A	EA	-	
	410247-3	PCB PS/1 HEATSINK 4700	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	420080-1	LABEL DANGER HIGH VOLTAGE	BRADY	SEE DRG		EA	1	
	450456-1	HEATSINK 160MM 4700	ADVANCE	SEE DRG		EA	1	
	512111	WIRE 7/.2 PTFE 1KV BRN	BICC	SEE DRG		AR	1	
	512222	WIRE 7/.2 PTFE 1KV RED	BICC	SEE DRG		AR	1	
	512444	WIRE 7/.2 PTFE 1KV YLW	BICC	SEE DRG		AR	1	
	512555	WIRE 7/.2 PTFE 1KV GRN	BICC	SEE DRG		AR	1	
	512666	WIRE 7/.2 PTFE 1KV BLU	BICC	SEE DRG		AR	1	
	512777	WIRE 7/.2 PTFE 1KV VLT	BICC	SEE DRG		AR	1	
	530000	WIRE 24/.2 PVC 1.5KV BLK	BICC	SEE DRG		AR	1	
	530111	WIRE 24/.2 PVC 1.5KV BRN	BICC	SEE DRG		AR	1	
	530222	WIRE 24/.2 PVC 1.5KV RED	BICC	SEE DRG		AR	1	
	530333	WIRE 24/.2 PVC 1.5KV ORG	BICC	SEE DRG		AR	1	
	530444	WIRE 24/.2 PVC 1.5KV YLW	BICC	SEE DRG		AR	1	
	530555	WIRE 24/.2 PVC 1.5KV GRN	BICC	SEE DRG		AR	1	
	530666	WIRE 24/.2 PVC 1.5KV BLU	BICC	SEE DRG		AR	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	530777	WIRE 24/.2 PVC 1.5KV VLT	BICC	SEE DRG		AR	1	
	530888	WIRE 24/.2 PVC 1.5KV GRY	BICC	SEE DRG		AR	1	
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG		AR	1	
	590001	SLEEVE NP 1.5 X 20MM BLK	HELLERMANN	H15 X 20MM BLK		EA	3	
	590004	SLEEVE PTFE 1mm BLK	HELLERMANN	FE10BK		AR	1	
	590005	SLEEVE NP 2 X 20MM BLK	HELLERMANN	H20 X 20MM BLK		EA	6	
	590013	CABLE TIE 3.6 X 142 MM	RS COMPONENTS	543-412		EA	1	
	590032	SLEEVE HS 4.8mm YLW	RS COMPONENTS	399-518		AR	1	
	590033	SLEEVE NP 5 X 25MM BLK	HELLERMANN	H50 X 25MM BLK		EA	3	
	605052	HOUSING 8-WAY .1"	MOLEX	6471 SERIES 22-01-20		EA	1	
	605057-1	CRIMP TERM .100 GD PL REEL	MOLEX	08-56-0120 TO DRG		EA	6	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	2	
	605077-1	CRIMP TERM .156 GD PL REEL	MOLEX	08-56-0105 TO DRG		EA	11	
	605118-1	SOCKET PCB 1.02MM DIA	CAMBION	SEE DRG		EA	8	
	605141	SOCKET HOUSING 5-WAY .156" PIT	MOLEX	09-91-0500		EA	2	
	605142	SOCKET HOUSING 9-WAY .156" PIT	MOLEX	09-91-0900		EA	1	
	606010	POLARISING KEY .156" HOUSING	MOLEX	15-04-0219		EA	1	
	606027	POLARISING PIN .156" HOUSING	MOLEX	15-04-0220		EA	3	
	611016	SCREW M3 X 8 POZIPAN SZP	GKN	SEE DRG		EA	2	
	611017	SCREW M3 X 16 POZIPAN SZP	GKN	SEE DRG		EA	5	
	611027	SCREW M3 X 20 POZIPAN SZP	GKN	SEE DRG		EA	3	
	612022-1	STANDOFF M3 X 3	HARWIN	SEE DRG		EA	8	
	613007	WASHER M3 PLAIN SZP	GKN	SEE DRG		EA	3	
	613029	WASHER M3 CRINKLE SS	GKN	SEE DRG		EA	13	
	615002	NUT FULL M3 SZP	GKN	SEE DRG		EA	5	
	618008	KIT INSUL TO3	FARNELL	170-012	S	EA	4	
	620003	PIN SOLDER	MILL-MAX	3130200010000080		EA	18	
	630004	CLIP 'P' 6.4	SES	CN6		EA	1	
	630126	CLIP 'P' 7.9	RICHCO	N5		EA	1	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL PREFORMS LT	M5363B/3		EA	2	
	900003	HEATSINK COMPOUND	RS COMPONENTS	554-311		AR	1	
	920087-1	HEATSINK TO92	ASSMANN	V5290	A	EA	1	

End

DRAWING No. LD 400554		CHK'D	4.0 1958 4.7.85	4.1 1981 10.9.85	4.2 2139 5.2.86	4.2 2386 2.2.87	4.2 2775 6.5.88	4.3 3185 14.2.89	4.4 3354 28.7.90	4.5 3402 7.9.83	4.6 3677 8.8.90	4.7 3842 3.5.91
DI WM		DATE										
		ECO										
		REVISION										
		ISSUE										
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION									
COMP. LAYOUT.	480554	1	4.0	4.1	4.1	4.2	4.3	4.4	4.5	4.5	4.5	
PARTS LIST	LP400554	ALL										
SCHEMATIC	430554	1	4.0	4.1		4.2						
SCHEMATIC	430554	2	4.0							4.1	4.3	4.7
FUNCTIONAL TEST. PROC.	460554/FT	1-2	4.0		4.1							
FUNCT. TEST TICK LIST.	470554/FT	1	4.0		4.1							
PCB	410282	ALL								4.0		
NOTES						DRN B. JACKSON	CHK'D MSD	APP'D LST	TITLE 4200	DRAWING No. LD 400554		
			INSTRUMENTS LTD NORWICH ENGLAND			DATE 4-7-85	DATE 10.7.85	DATE 23.7.85	PS(1G) PCB ASSY			SHEET 1 OF 1



DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB P/S IN GUARD 4200 DRG NO: LP400554-4 REV: 7 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	1	
R2	015230	RES MF 523R 1% .12W 50PPM	MEC	H8 523R 1% 50PPM	A	EA	1	
R3	021402	RES MF 14K0 1% .25W 50PPM	MEC	H4 14K0 1% 50PPM	A	EA	1	
R7	000272	RES CF 2K7 5% .25W	NEOHM	CFR25 2K7 5%	A	EA	2	
R8	000272	RES CF 2K7 5% .25W	NEOHM	CFR25 2K7 5%	A	EA	-	
R9	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	2	
R10	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R11	008005	RES WW 1R0 5% 2.5W	WELWYN	W21-1R0	A	EA	4	
R12	008005	RES WW 1R0 5% 2.5W	WELWYN	W21-1R0	A	EA	-	
R13	008023	RES WW 0R1 10% 2.5W	WELWYN	W21-0R1	A	EA	2	
R14	008023	RES WW 0R1 10% 2.5W	WELWYN	W21-0R1	A	EA	-	
R15	008005	RES WW 1R0 5% 2.5W	WELWYN	W21-1R0	A	EA	-	
R16	008005	RES WW 1R0 5% 2.5W	WELWYN	W21-1R0	A	EA	-	
C1	180042	CAP AE 3300UF 40V	PHILIPS	2222 021 17332	A	EA	2	
C2	180042	CAP AE 3300UF 40V	PHILIPS	2222 021 17332	A	EA	-	
C3	180047	CAP AE 1000UF 20% 40V	NIPPON CHEMI-CON	SMVB1000/40M	A	EA	7	
C4	180047	CAP AE 1000UF 20% 40V	NIPPON CHEMI-CON	SMVB1000/40M	A	EA	-	
C5	110020	CAP PE 47NF 20% 63V	WIMA	MKS2 0.047 20% 63V	A	EA	1	
C6	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	7	
C7	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	-	
C8	180047	CAP AE 1000UF 20% 40V	NIPPON CHEMI-CON	SMVB1000/40M	A	EA	-	
C9	180047	CAP AE 1000UF 20% 40V	NIPPON CHEMI-CON	SMVB1000/40M	A	EA	-	
C10	180048	CAP AE 470UF 20% 63V	NIPPON CHEMI-CON	SMVB470/63M	A	EA	2	
C11	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	-	
C12	104026	CAP CM 47NF +80% -20% 50V	AVX	SR175E4732AA	A	EA	3	
C13	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	-	
C14	180024	CAP AE 10UF 63V	PHILIPS	2222 030 38109	A	EA	1	
C15	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	-	
C16	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	-	
C17	104026	CAP CM 47NF +80% -20% 50V	AVX	SR175E4732AA	A	EA	-	
C18	150001	CAP DT 22UF 20% 16V	AVX	TAP226M016F	A	EA	2	
C19	150001	CAP DT 22UF 20% 16V	AVX	TAP226M016F	A	EA	-	
C20	104026	CAP CM 47NF +80% -20% 50V	AVX	SR175E4732AA	A	EA	-	
C21	180048	CAP AE 470UF 20% 63V	NIPPON CHEMI-CON	SMVB470/63M	A	EA	-	
C22	180047	CAP AE 1000UF 20% 40V	NIPPON CHEMI-CON	SMVB1000/40M	A	EA	-	
C23	180047	CAP AE 1000UF 20% 40V	NIPPON CHEMI-CON	SMVB1000/40M	A	EA	-	
C24	180047	CAP AE 1000UF 20% 40V	NIPPON CHEMI-CON	SMVB1000/40M	A	EA	-	
C25	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	2	
C26	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	-	
C27	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	-	
D1	200022	DIODE GP 3A 400V	MOTOROLA	BY252	A	EA	4	
D2	200022	DIODE GP 3A 400V	MOTOROLA	BY252	A	EA	-	
D3	200022	DIODE GP 3A 400V	MOTOROLA	BY252	A	EA	-	
D4	200022	DIODE GP 3A 400V	MOTOROLA	BY252	A	EA	-	
D5	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	4	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
D6	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	-	
D7	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	-	
D8	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	-	
D9	210200	DIODE ZN 20V 400mW	PHILIPS	BZX79C20	A	EA	2	
D10	210200	DIODE ZN 20V 400mW	PHILIPS	BZX79C20	A	EA	-	
D11	210033	DIODE ZN 3V3 400mW	PHILIPS	BZX79C3V3	A	EA	1	
Q1	240037	TRAN NPN DARL	MOTOROLA	TIP141		EA	1	
Q2	250026	TRAN PNP	MOTOROLA	TIP146		EA	1	
Q3	230065	TRAN JFET I LIM 4m7A	SILICONIX	J511		EA	2	
Q4	230065	TRAN JFET I LIM 4m7A	SILICONIX	J511		EA	-	
M1	260051	IC LIN REG -15V 1A	MOTOROLA	MC7915CT	A	EA	2	
M2	260006	IC LIN REG 15V 1A	MOTOROLA	MC7815CT		EA	2	
M3	260070	IC LIN REG VAR	NATIONAL	LM317HV		EA	1	
M4	260006	IC LIN REG 15V 1A	MOTOROLA	MC7815CT		EA	-	
M6	260005	IC LIN REG 5V 1A	MOTOROLA	MC7805CT		EA	1	
M7	260051	IC LIN REG -15V 1A	MOTOROLA	MC7915CT	A	EA	-	
M8	260072	IC LIN REG -8V 1A	NATIONAL	LM7908CT		EA	1	
M9	260071	IC LIN REG 8V 1A	NATIONAL	LM7808CT		EA	1	
L10	370019	CROKE COM MODE RML0 4700	SIGA	SEE DRG		EA	1	
W1	209015	DIODE BR 4A 800V	INT RECTIFIER	KBU4K		EA	1	
W2	209003	DIODE BR 1A5 100V	GI	W01G	A	EA	3	
W3	209003	DIODE BR 1A5 100V	GI	W01G	A	EA	-	
W4	209003	DIODE BR 1A5 100V	GI	W01G	A	EA	-	
F1	920128	FUSE 4A 250V 20MM SLO-BL	BELLING LEE	L2080A/4		EA	2	
F2	920128	FUSE 4A 250V 20MM SLO-BL	BELLING LEE	L2080A/4		EA	-	
F3	920143	FUSE 3.15A 250V 20MM SLO-BL	BELLING LEE	L2080A/3.15		EA	2	
F4	920143	FUSE 3.15A 250V 20MM SLO-BL	BELLING LEE	L2080A/3.15		EA	-	
F5	920116	FUSE 1A 250V 20MM SLO-BL	BELLING LEE	L2080A/1		EA	2	
F6	920116	FUSE 1A 250V 20MM SLO-BL	BELLING LEE	L2080A/1		EA	-	
	410282-4	PCB POWER SUPPLY I.G.4700	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	420098	LABEL SERIAL/ASSY No	RS COMPONENTS	554-793		EA	1	
	420112-1	LABEL SSD WARNING 12 X 12mm	TERNIS	LM1212	A	EA	1	
	540002	WIRE 1/7 TINNED COPPER	BICC	SEE DRG		AR	1	
	590004	SLEEVE PTFE 1mm BLK	HELLERMANN	FE10BK		AR	1	
	604042	PLUG PCB 4-WAY .156" GD PL	MOLEX	09-72-2041		EA	5	
	611006	SCREW M3 X 10 POZIPAN SZP	GKN	SEE DRG		EA	10	
	613005	WASHER M3 INT SHAKP SZP	GKN	SEE DRG		EA	10	
	613007	WASHER M3 PLAIN SZP	GKN	SEE DRG		EA	3	
	615002	NUT FULL M3 SZP	GKN	SEE DRG		EA	10	
	618001	BUSH INSUL TO220	PHILIPS	56359C		EA	2	
	618010	PRD INSUL SIL TO220	WARTH	4177-NA-54		EA	2	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	12	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	Mo2/D0006		EA	12	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL PREFORMS LT	M5363B/3		EA	6	
	900003	HEATSINK COMPOUND	RS COMPONENTS	554-311		AR	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	900004	SILICONE RUBBER COMPOUND	RS COMPONENTS	555-588		AR	1	
	920088-1	HEATSINK TO3	SEE DRG			EA	1	
	920089-1	HEATSINK TO220	THERMALLOY	6073B		EA	1	
	920105-1	HEATSINK TO-202	AAVID	SEE DRG		EA	3	
	920126	FUSE HOLDER PCB 20MM	BELLING LEE	L1426		EA	6	
	920142	HEATSINK 2 X TO220	REDPOINT	TV35H19		EA	2	

End



DRAWING No. LD400563		CHK'D												
DI WM		DATE												
		ECO												
		REVISION												
		ISSUE	1.0 216243 86.9	2.0 221321 4.86	2.1 226036 86	2.2 229615 9.86	2.3 250117 28.7	3.0 250616 3.87	3.1 2751 29.2.87					
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION											
COMPONENT LAYOUT	480563	1	1.0	2.0	2.1	2.2	2.3	3.0						
PARTS LIST	LP400563	ALL							3.0					
SCHEMATIC	430563	1	1.0	2.0				3.0						
FUNC. TEST PROC.	460563/FT	ALL	1.0	2.0				3.0	3.1					
FUNC. TEST TICK LIST	470563/FT	ALL	1.0	2.0				3.0	3.1					
PCB	410285	-	3.0	3.0				4.0						
NOTES			<input type="checkbox"/> INDICATES NO CHANGE TO DOCS AT ISSUE LEVEL CHANGE							DPH DATE 15.8.85	CHK'D R.K. COGGON DATE 5/3/86	APP'D  DATE 6.3.86	TITLE 4700 CONSTANT I ASSY.	DRAWING No. LD400563 SHEET 1 OF 1

DATRON INSTRUMENTS LTD. PARTS LIST 09-Mar-92 DESC: ASSY PCB CONSTANT CURRENT 4700 DRG NO: LP400563-3 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	2	
R2	005124	RES MO 120K 2% .5W	E-SIL COMPONENTS	TR5 120K 2%		EA	6	
R3	005124	RES MO 120K 2% .5W	E-SIL COMPONENTS	TR5 120K 2%		EA	-	
R4	005124	RES MO 120K 2% .5W	E-SIL COMPONENTS	TR5 120K 2%		EA	-	
R5	005124	RES MO 120K 2% .5W	E-SIL COMPONENTS	TR5 120K 2%		EA	-	
R6	005124	RES MO 120K 2% .5W	E-SIL COMPONENTS	TR5 120K 2%		EA	-	
R7	005124	RES MO 120K 2% .5W	E-SIL COMPONENTS	TR5 120K 2%		EA	-	
R8	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	1	
R9	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	1	
R10	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	1	
R11	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R12	008046	RES WN 10R 5% 2.5W	WELWYN	W21-10R		EA	1	
R13	000221	RES CF 220R 5% .25W	NEOHM	CFR25 220R 5%	A	EA	1	
R15	000223	RES CF 22K 5% .25W	NEOHM	CFR25 22K 5%	A	EA	1	
R16	000222	RES CF 2K2 6% .25W	NEOHM	CFR25 2K2 5%	A	EA	1	
R17	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	1	
C1	150012	CAP DT 100NF 20% 35V	AVX	TAP104M035F	A	EA	1	
C2	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	1	
D1	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	12	
D2	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	-	
D3	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	-	
D4	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	-	
D5	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	-	
D6	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	-	
D7	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	-	
D8	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	-	
D9	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	-	
D10	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	-	
D11	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	-	
D12	213026	DIODE ZN 120V 3.25W	PHILIPS	BZT03C120		EA	-	
D13	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A	EA	1	
D14	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	4	
D15	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D16	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D17	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D18	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	2	
D19	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
Q1	240032	TRAN NPN	MOTOROLA	BF393		EA	12	
Q2	240032	TRAN NPN	MOTOROLA	BF393		EA	-	
Q3	240032	TRAN NPN	MOTOROLA	BF393		EA	-	
Q4	240032	TRAN NPN	MOTOROLA	BF393		EA	-	
Q5	240032	TRAN NPN	MOTOROLA	BF393		EA	-	
Q6	240032	TRAN NPN	MOTOROLA	BF393		EA	-	
Q7	240032	TRAN NPN	MOTOROLA	BF393		EA	-	
Q8	240032	TRAN NPN	MOTOROLA	BF393		EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
Q9	240032	TRAN NPN	MOTOROLA	BF393			EA	-
Q10	240032	TRAN NPN	MOTOROLA	BF393			EA	-
Q11	240032	TRAN NPN	MOTOROLA	BF393			EA	-
Q12	240032	TRAN NPN	MOTOROLA	BF393			EA	-
Q13	230039	TRAN JFET P CHAN	SILICONIX	J175	A		EA	1
Q14	250011	TRAN PNP TO92	MOTOROLA	BC327	A		EA	1
M1	220015	OPTO ISOL 5KV	MOTOROLA	MOC1005	A		EA	1
	410285-4	PCB CONSTANT I SOURCE 4700	MANCHESTER CIRCUITS	SEE DRG			EA	1
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG			AR	1
	604003	PLUG PCB 11-WAY	AMP	163740-9			EA	1
	605066	SOCKET PCB 6-WAY DIL	JERMYN	J23-18006	A		EA	1
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA	1

End

DRAWING No. LD 400604		CHK'D																				
DI WM.		DATE																				
		ECO																				
		REVISION																				
		ISSUE																				
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION																			
COMPONENT LAYOUT	480604	1	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	3.0	3.1	3.2	
COMPONENT LAYOUT	480604	2	1.0						1.2	1.7			2.0	2.0					3.0	3.1	3.2	
PARTS LIST	LP400604	ALL																		3.2	3.1	3.2
SCHEMATIC	430604	1	1.0										2.0	2.0								
SCHEMATIC	430604	2	1.0										2.0	2.0								
SCHEMATIC	430604	3	1.0										2.0	2.0								
SCHEMATIC	430604	4	1.0										2.0	2.0								
SCHEMATIC	430604	5	1.0										2.0	2.0								
PCB	410361		1.0										3.0	4.0								
PCB	410348		2.0										3.0	4.0								
NOTES			<input type="checkbox"/> DEMOTES NO CHANGE TO DOC'S AT ISSUE LEVEL CHANGE.												DRN DATE 13.8.85	CHK'D A.L. COGGAN DATE 6/3/86	APP'D 	TITLE 4700 MOTHER PCB. ASSY.	DRAWING No. LD400604 SHEET 1 OF 1			

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB MOTHER 4700 DRG NO: LP400604-3 REV: 2 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA		24	
R2	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R3	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R4	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R5	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R6	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R7	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R8	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R9	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R10	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R11	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R12	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R13	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R14	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R15	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R16	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R17	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R18	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R19	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R20	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R21	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R22	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R23	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R24	001822	RES CF 8K2 5% .5W	NEOHM	CFR50 8K2 5%	EA			
R25	063205	RES CT 2M TOP ADJ S/T	BECKMAN	72PR2M	A		1	
R26	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A		1	
R27	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A		1	
R28	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A		33	
R29	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R30	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R31	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R32	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R33	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R34	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R35	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A		1	
R36	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R37	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R38	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R39	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R40	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R41	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R42	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R43	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			
R44	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A		8	
R45	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A			

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R46	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R47	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R50	000820	RES CF 82R 5% .25W	NEOHM	CFR25 82R 5%	A	EA	2	
R51	000820	RES CF 82R 5% .25W	NEOHM	CFR25 82R 5%	A	EA	-	
R52	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	1	
R58	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R59	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R60	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R61	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R63	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R64	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R65	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R67	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R68	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R69	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R70	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R71	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R72	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R73	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R74	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R75	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R76	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R77	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R78	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R79	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R80	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R81	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R82	000108	RES CF 1R0 5% .25W	NEOHM	CFR25 1R0 5%	A	EA	2	
R83	000108	RES CF 1R0 5% .25W	NEOHM	CFR25 1R0 5%	A	EA	-	
R84	008035	RES WW 33R 5% 2.5W	WELWYN	W21 33R +/-5%	A	EA	2	
R85	008035	RES WW 33R 5% 2.5W	WELWYN	W21 33R +/-5%	A	EA	-	
AN1	090090	RES PACK 47K X 8 2%	BECKMAN	898-3-R47K	A	EA	6	
AN2	090095	RES PACK 47K X 4 2%	BECKMAN	L08-3S-R47K	A	EA	3	
AN3	090090	RES PACK 47K X 8 2%	BECKMAN	898-3-R47K	A	EA	-	
AN4	090095	RES PACK 47K X 4 2%	BECKMAN	L08-3S-R47K	A	EA	-	
AN5	090095	RES PACK 47K X 4 2%	BECKMAN	L08-3S-R47K	A	EA	-	
AN6	090090	RES PACK 47K X 8 2%	BECKMAN	898-3-R47K	A	EA	-	
AN7	090090	RES PACK 47K X 8 2%	BECKMAN	898-3-R47K	A	EA	-	
AN8	090090	RES PACK 47K X 8 2%	BECKMAN	898-3-R47K	A	EA	-	
AN9	090090	RES PACK 47K X 8 2%	BECKMAN	898-3-R47K	A	EA	-	
AN10	090085	RES PACK 12K X 8 2%	BECKMAN	898-3-R12K	A	EA	3	
AN12	090085	RES PACK 12K X 8 2%	BECKMAN	898-3-R12K	A	EA	-	
AN13	090085	RES PACK 12K X 8 2%	BECKMAN	898-3-R12K	A	EA	-	
C1	140045	CAP PP 1UF 20% 1K5V	MPD	KP20 IUM1500	A	EA	1	
C2	180050	CAP AE 150UF 385V	PHILIPS	2222 052 58151	A	EA	4	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C3	180050	CAP AE 150UF 385V	PHILIPS	2222 052 58151	A	EA	-	
C4	180050	CAP AE 150UF 385V	PHILIPS	2222 052 58151	A	EA	-	
C5	180050	CAP AE 150UF 385V	PHILIPS	2222 052 58151	A	EA	-	
C6	104023	CAP CD 2N2F 20% 1KV	BECK	HD16K102N2MSAA	A	EA	2	
C7	104023	CAP CD 2N2F 20% 1KV	BECK	HD16K102N2MSAA	A	EA	-	
C8	180049	CAP AE 330UF 100V	PHILIPS	2222 035 59331	A	EA	2	
C9	180049	CAP AE 330UF 100V	PHILIPS	2222 035 59331	A	EA	-	
C10	110013	CAP PE 100NF 10% 250V	PHILIPS	2222 368 45104	A	EA	2	
C11	110013	CAP PE 100NF 10% 250V	PHILIPS	2222 368 45104	A	EA	-	
C12	104032	CAP CD 220PF 10% 2KV	BECK	HD09K1220PKSAB	A	EA	1	
C13	102102	CAP CD 1NF 10% 500V	BECK	CD10K101N0KSCR	A	EA	3	
C14	102102	CAP CD 1NF 10% 500V	BECK	CD10K101N0KSCR	A	EA	-	
C15	102102	CAP CD 1NF 10% 500V	BECK	CD10K101N0KSCR	A	EA	-	
C16	140090	CAP PP 100NF 20% 400V	STEATITE	MKP 1844-410/40 6	A	EA	2	
C17	140090	CAP PP 100NF 20% 400V	STEATITE	MKP 1844-410/40 6	A	EA	-	
C18	00000N	NOT FITTED	DATRON	00000N	A	EA	8	
C19	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
C20	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
CN1	104033	CAP NTWK 1NF X 7 20%	MURATA	B8XC011432N	A	EA	3	
CN2	104033	CAP NTWK 1NF X 7 20%	MURATA	B8XC011432N	A	EA	-	
CN3	104033	CAP NTWK 1NF X 7 20%	MURATA	B8XC011432N	A	EA	-	
CN4	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
CN5	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
CN6	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
CN7	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
CN8	00000N	NOT FITTED	DATRON	00000N	A	EA	-	
D1	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	2	
D2	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	-	
D3	200024	DIODE GP 3A 1K3V	MOTOROLA	BY255	A	EA	8	
D4	200024	DIODE GP 3A 1K3V	MOTOROLA	BY255	A	EA	-	
D5	200024	DIODE GP 3A 1K3V	MOTOROLA	BY255	A	EA	-	
D6	200024	DIODE GP 3A 1K3V	MOTOROLA	BY255	A	EA	-	
D7	200024	DIODE GP 3A 1K3V	MOTOROLA	BY255	A	EA	-	
D8	200024	DIODE GP 3A 1K3V	MOTOROLA	BY255	A	EA	-	
D9	200024	DIODE GP 3A 1K3V	MOTOROLA	BY255	A	EA	-	
D10	200024	DIODE GP 3A 1K3V	MOTOROLA	BY255	A	EA	-	
Q1	250004	TRAN PNP T092	MOTOROLA	2N3906	A	EA	1	
RL1	330038	RELAY 2PNO 2PNC 6V	SDS	S2-L-6V	A	EA	1	
RL2	330030	RELAY 4PNO 24V	SDS	S4-24V	A	EA	2	
RL3	330030	RELAY 4PNO 24V	SDS	S4-24V	A	EA	-	
RL4	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V	A	EA	1	
L1	370024-1	CHOKE COM MODE 4700	SIGA	SEE DRG	A	EA	1	
L2	370014	CHOKE RF 5UH 3A	APEX	RFS-3	A	EA	2	
L3	370014	CHOKE RF 5UH 3A	APEX	RFS-3	A	EA	-	
L4	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	2	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
L5	370001	CHOKO RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
W1	209014	DIODE BR 1A5 400V	GI	W04G	A	EA	1	
F1	920116	FUSE 1A 250V 20MM SLO-BL	BELLING LEE	L2080A/1		EA	2	
F2	920116	FUSE 1A 250V 20MM SLO-BL	BELLING LEE	L2080A/1		EA	-	
F3	920125	FUSE 2.5A 125V 7mm	LITTELFUSE	275 02.5		EA	2	
F4	920125	FUSE 2.5A 125V 7mm	LITTELFUSE	275 02.5		EA	-	
	410348-4	PCB MOTHER 4700	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	410361-1	PCB DIODE LINK 4700	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	420123-1	LABEL FUSE RATING 1.0A(T)	BRADY	SEE DRG		EA	2	
	512000	WIRE 7/.2 PTFE 1KV BLK	BICC	SEE DRG		AR	1	
	512111	WIRE 7/.2 PTFE 1KV BRN	BICC	SEE DRG		AR	1	
	512222	WIRE 7/.2 PTFE 1KV RED	BICC	SEE DRG		AR	1	
	512333	WIRE 7/.2 PTFE 1KV ORG	BICC	SEE DRG		AR	1	
	512444	WIRE 7/.2 PTFE 1KV YLW	BICC	SEE DRG		AR	1	
	512666	WIRE 7/.2 PTFE 1KV BLU	BICC	SEE DRG		AR	1	
	512777	WIRE 7/.2 PTFE 1KV VLT	BICC	SEE DRG		AR	1	
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG		AR	1	
	540006	WIRE 1/.4 PTFE 250V BLK	BICC	SEE DRG		AR	1	
	560002	CABLE CO-AX 7/34AWG 2.54 DIA	RAYPAST	5026A1311-0		AR	1	
	590001	SLEEVE NP 1.5 X 20MM BLK	HELLERMANN	B15 X 20MM BLK		EA	2	
	590031	SLEEVE HS 3.2mm YLW	RS COMPONENTS	399-502		AR	1	
	590074	SLEEVE SOLDER DIAM.3.0	RAYPAST	CWT-3		EA	2	
	604042	PLUG PCB 4-WAY .156" GD PL	MOLEX	09-72-2041		EA	6	
	605087-2	SOCKET PCB 48-WAY (2 X 24)	DOWTY INTERCONNECT	SEE DRG		EA	12	
	605088-2	SOCKET PCB 36-WAY (2 X 18)	DOWTY INTERCONNECT	SEE DRG		EA	6	
	605089-2	SOCKET PCB 24-WAY (2 X 12)	DOWTY INTERCONNECT	SEE DRG		EA	7	
	605090-2	SOCKET PCB 12-WAY (2 X 6)	DOWTY INTERCONNECT	SEE DRG		EA	8	
	605091-2	SOCKET PCB 12-WAY (2 X 4)	DOWTY INTERCONNECT	SEE DRG		EA	9	
	605092-2	SOCKET PCB 6-WAY (2 X 3)	DOWTY INTERCONNECT	SEE DRG		EA	5	
	605111	SOCKET PCB 48-WAY (2 X 24)	AMP	2-141592-4		EA	3	
	605114-2	SOCKET PCB 24-WAY (2 X 12)	DOWTY INTERCONNECT	SEE DRG		EA	1	
	605221-2	SOCKET PCB 44-WAY (2 X 22)	DOWTY INT	SEE DRG		EA	1	
	606038	POLARISING KEY PCB EDGE CONN	DOWTY INTERCONNECT	31151-007-0		EA	2	
	606043	POLARISING KEY PCB EDGE CONN	DOWTY INTERCONNECT	31151-202-0		EA	6	
	611016	SCREW M3 X 8 POZIPAN SZP	GKN	SEE DRG		EA	1	
	612004-1	STANDOFF M3 X 4	SWIFT ENGINEERING	SEE DRG		EA	12	
	612024-1	STANDOFF M3 X 12.7	SWIFT ENGINEERING	SEE DRG		EA	1	
	612027-1	STANDOFF M3 X 8	SWIFT ENGINEERING	SEE DRG		EA	10	
	613005	WASHER M3 INT SHAKP SZP	GKN	SEE DRG		EA	1	
	613019	WASHER M3 LARGE SZP	GKN	SEE DRG		EA	1	
	613029	WASHER M3 CPINKLE SS	GKN	SEE DRG		EA	1	
	615002	NUT FULL M3 SZP	GKN	SEE DRG		EA	1	
	617010	NYLATCH PLUNGER 3/16"	HARTWELL/C.J.FOX	EN3P-32-4-1		EA	20	
	617011	NYLATCH GROMMET 3/16"	HARTWELL/C.J.FOX	EN3G-32-1		EA	20	
	620003	PIN SOLDER	MILL-MAX	3130200010000080		EA	2	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	620005	CLOVERLEAF LARGE PTFE	SEALCTRO	011-6809-040599		EA	5	
	620006	SOLDER TURRET	HARWIN	H9001-01		EA	86	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	9	
	630024	BEAD CERAMIC 18 SWG	PARK ROYAL PORCELAIN	No2/D0006		EA	4	
	630036	BEAD CERAMIC 18 SWG	PARK ROYAL PORCELAIN	No1/D0005		EA	4	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL PREFORMS LT	M5363B/3		EA	4	
	630250	CLIP CABLE FLAT RIBBON	RICHCO	SFCC 4A-01		EA	2	
	630270	BLOCK MTG CABLE TIE	PANDUIT	TMEH-S8-0		EA	1	
	630271	TIE CABLE HEAVY DUTY	PANDUIT	PRT2EH		EA	1	
	900013	ADHESIVE CYANOACRYLATE	LOCTITE	496		AR	1	
	920126	FUSE HOLDER PCB 20MM	BELLING LEE	L1426		EA	2	

End

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R53	067201	RES CT 200R SIDE ADJ M/T	BECKMAN	68XR200R	A	EA	1	
R54	067502	RES CT 5K SIDE ADJ M/T	BECKMAN	68XR5K	A	EA	-	
R55	067503	RES CT 50K SIDE ADJ M/T	BECKMAN	68XR50K	A	EA	1	
R56	067504	RES CT 500K SIDE ADJ M/T	BECKMAN	68XR500K	A	EA	1	
R57	067205	RES CT 2M SIDE ADJ M/T	BECKMAN	68XR2M	A	EA	1	
R58	067100	RES CT 10R SIDE ADJ M/T	BECKMAN	68XR10R	A	EA	1	
R59	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R60	041655	RES MF 16M5 1% .12W 150PPM	MEPCO	5053YL16M50F	A	EA	1	
R61	011698	RES MF 16R9 1% .12W 50PPM	MEC	H8 16R9 1% 50PPM	A	EA	1	
R62	070134-3	RES WW 99X980 0.005% 1PPM	VISHAY MANN	UP400 TO DRG	A	EA	1	
R63	070133-3	RES WW 10K006 0.005% 1PPM	VISHAY MANN	UP400 TO DRG	A	EA	1	
R64	070132-3	RES WW 1K0004 0.005% 1PPM	VISHAY MANN	UP400 TO DRG	A	EA	1	
R65	070131-3	RES WW 100R04 0.005% 1PPM	VISHAY MANN	UP400 TO DRG	A	EA	1	
R66	012493	RES MF 249K 1% .12W 50PPM	MEC	H8 249K 1% 50PPM	A	EA	1	
R67	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	-	
R68	042264	RES MF 2M26 1% .12W 100PPM	MEC	H8 2M26 1% 100PPM	A	EA	1	
R69	011503	RES MF 150K 1% .12W 50PPM	MEC	H8 150K 1% 50PPM	A	EA	1	
R70	012672	RES MF 26K7 1% .12W 50PPM	MEC	H8 26K7 1% 50PPM	A	EA	1	
R71	080097-1	RES FL 99M8 0.1% 15PPM	CADDOCK	TF656R TO DRG	A	EA	1	
R72	070130-3	RES WW 10R004 0.005% 2PPM	VISHAY MANN	UP500 TO DRG	A	EA	1	
R73	070136-3	RES WW 9M9940 0.005% 3PPM	VISHAY MANN	UP500 TO DRG	A	EA	1	
R74	070196-1	RES WW 999K70 0.005% 3PPM	VISHAY MANN	SEE DRG	A	EA	1	
R75	014991	RES MF 4K99 1% .12W 50PPM	MEC	H8 4K99 1% 50PPM	A	EA	1	
R76	012670	RES MF 267R 1% .12W 50PPM	MEC	H8 267R 1% 50PPM	A	EA	-	
R77	064104	RES CT 100K SIDE ADJ M/T	BECKMAN	89PR100K	A	EA	1	
R78	064202	RES CT 2K SIDE ADJ M/T	BECKMAN	89PR2K	A	EA	1	
R79	080081-2	RES FL 10R000 0.1% 2PPM	VISHAY MANN	VHP4 TO DRG	A	EA	1	
R80	080022-1	RES FL 0R1 1% 3PPM	VISHAY MANN	SEE DRG	A	EA	1	
R81	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A	EA	1	
R82	041825	RES MF 18M2 1% .12W 150PPM	MEPCO	5053YL18M20F	A	EA	2	
R83	041825	RES MF 18M2 1% .12W 150PPM	MEPCO	5053YL18M20F	A	EA	-	
R85	000222	RES CF 2K2 5% .25W	NEOHM	CFR25 2K2 5%	A	EA	1	
R86	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R87	000274	RES CF 270K 5% .25W	NEOHM	CFR25 270K 5%	A	EA	2	
R88	000274	RES CF 270K 5% .25W	NEOHM	CFR25 270K 5%	A	EA	-	
R89	000220	RES CF 22R 5% .25W	NEOHM	CFR25 22R 5%	A	EA	1	
R91	014322	RES MF 43K2 1% .12W 50PPM	MEC	H8 43K2 1% 50PPM	A	EA	2	
R92	014322	RES MF 43K2 1% .12W 50PPM	MEC	H8 43K2 1% 50PPM	A	EA	-	
R93	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	2	
R94	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	-	
R95	012212	RES MF 22K1 1% .12W 50PPM	MEC	H8 22K1 1% 50PPM	A	EA	1	
R96	014992	RES MF 49K9 1% .12W 50PPM	MEC	H8 49K9 1% 50PPM	A	EA	1	
R97	019091	RES MF 9K09 1% .12W 50PPM	MEC	H8 9K09 1% 50PPM	A	EA	1	
AN1	090095	RES NTKW 1M X 8 2%	BECKMAN	LO9-1S-R1M	A	EA	2	
AN2	090085	RES PACK 12K X 8 2%	BECKMAN	898-3-R12K	A	EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
AN3	090096	RES NTKW 1M X 8 2%	BECKMAN	LO9-1S-R1M	A	EA	-	
AN4	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3S-R10K	A	EA	2	
AN5	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3S-R10K	A	EA	-	
C1	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	17	
C2	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C4	110035	CAP PE 220NF 20% 63V	WIMA	MKS2 0.22 20% 63V	A	EA	2	
C5	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C6	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C7	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C12	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C13	150016	CAP DT 10UF 20% 35V	AVX	TAP105M035F	A	EA	2	
C14	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C15	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	3	
C16	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C17	110035	CAP PE 220NF 20% 63V	WIMA	MKS2 0.22 20% 63V	A	EA	-	
C18	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C19	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	4	
C20	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C21	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C22	150004	CAP DT 100UF 20% 6V3	AVX	TAP107M006F	A	EA	1	
C23	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C24	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C25	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C26	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C27	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C28	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C29	150005	CAP DT 2U2F 20% 16V	AVX	TAP225M016F	A	EA	2	
C30	150005	CAP DT 2U2F 20% 16V	AVX	TAP225M016F	A	EA	-	
C31	102100	CAP CD 10PF 20% 500V NPO	BECK	CD08CG10P0M5CR	A	EA	1	
C32	150016	CAP DT 10UF 20% 35V	AVX	TAP105M035F	A	EA	-	
C33	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C34	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C35	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C36	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	2	
C37	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	-	
C38	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C39	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E4732AA	A	EA	-	
C40	140054	CAP PP 1NF 20% 1KV	WIMA	FKP1 1000 20% 1250V	A	EA	3	
C41	140054	CAP PP 1NF 20% 1KV	WIMA	FKP1 1000 20% 1250V	A	EA	-	
C42	140054	CAP PP 1NF 20% 1KV	WIMA	FKP1 1000 20% 1250V	A	EA	-	
C43	102330	CAP CD 33PF 5% 500V NPO	MURATA	DD07-69CH330J500	A	EA	2	
C44	102470	CAP CD 47PF 20% 500V NPO	BECK	CD10TH47P0M5CR	A	EA	2	
C46	102101	CAP CD 100PF 20% 500V NPO	BECK	CD10WK100P0M5CR	A	EA	1	
C47	102330	CAP CD 33PF 5% 500V NPO	MURATA	DD07-69CH330J500	A	EA	-	
C48	102270	CAP CD 27PF 20% 500V NPO	BECK	CD10CG27P0M5CR	A	EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C49	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
D1	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	5	
D2	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D3	210062	DIODE ZN 6V2 400mW	PHILIPS	BZX79C6V2	A	EA	2	
D4	210062	DIODE ZN 6V2 400mW	PHILIPS	BZX79C6V2	A	EA	-	
D5	213012	DIODE VR 2V0 250mW	PHILIPS	BZV86-2V0		EA	1	
D6	210033	DIODE ZN 3V3 400mW	PHILIPS	BZX79C3V3	A	EA	1	
D7	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	4	
D8	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D9	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D10	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D11	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D12	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D13	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D16	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	3	
D17	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	-	
D18	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	2	
D19	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	-	
Q1	250011	TRAN PNP TO92	MOTOROLA	BC327	A	EA	1	
Q2	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506		EA	3	
Q3	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	1	
Q4	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506		EA	-	
Q5	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	2	
Q6	230031	TRAN JFET N-CHAN DUAL	SILICONIX	U404	A	EA	1	
Q7	230036	TRAN JFET N CHAN	SILICONIX	J108	A	EA	1	
Q9	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506		EA	-	
Q11	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
M1	260069	IC LIN OP AMP	NATIONAL	LF411CH		EA	2	
M3	260083	IC LIN OP AMP CHOPPER	LINEAR TECHNOLOGY	LTC1052CN		EA	1	
M4	260065	IC LIN OP AMP	PMI	OP27FZ	A	EA	2	
M6	280035	IC DIG DECODER BCDTODEC	MOTOROLA	MC14028BCP	A	EA	1	
M7	260069	IC LIN OP AMP	NATIONAL	LF411CH		EA	-	
M8	260065	IC LIN OP AMP	PMI	OP27FZ	A	EA	-	
M9	280045	IC DIG NOR3 X3	MOTOROLA	MC14025BCP	A	EA	2	
M10	260086	IC LIN AUDIO AMP DUAL 2W	NATIONAL	LM1877N		EA	1	
M12	290090	IC DIG DRIVER DARLINGTON X7	EXAR	XR2202CP	A	EA	1	
M15	260039	IC LIN OP AMP QUAD	NATIONAL	LM324N		EA	1	
M16	280023	IC DIG NOR2 QUAD	MOTOROLA	MC14001UBCP		EA	1	
M17	280017	IC DIG INV X6	MOTOROLA	MC14069UBCP		EA	1	
M19	280045	IC DIG NOR3 X3	MOTOROLA	MC14025BCP	A	EA	-	
M20	260042	IC LIN OP AMP DUAL	SIGNETICS	NE5532N		EA	1	
RL1	330042-2	RELAY 2PNO 1PNC 6V	SDS	S3-1-6V TO DRG		EA	1	
RL2	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134 TO DRG		EA	4	
RL3	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134 TO DRG		EA	-	
RL4	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134 TO DRG		EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
RL5	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134 TO DRG		EA	-	
RL7	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	12	
RL8	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	2	
RL9	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
RL10	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL11	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL12	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL13	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL14	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL16	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL17	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL18	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL19	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL20	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL23	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL24	330030	RELAY 4PNO 24V	SDS	S4-24V		EA	2	
RL25	330030	RELAY 4PNO 24V	SDS	S4-24V		EA	-	
RL26	330040	RELAY 1PCO LATCH 6V 1KV	SDS	DS1E-S1-6V		EA	1	
L1	370001	CHOKO RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	2	
L2	370001	CHOKO RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
J1A	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041		EA	2	
J1B	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041		EA	-	
F2	920124	FUSE 375MA 125V 7MM	LITTELFUSE	275.375		EA	2	
F3	920120	FUSE 1A 125V 7MM	LITTELFUSE	275.025		EA	1	
F4	920124	FUSE 375MA 125V 7MM	LITTELFUSE	275.375		EA	-	
F5	920125	FUSE 2.5A 125V 7mm	LITTELFUSE	275.02.5		EA	1	
	400669-1	ASSY PCB I/OHMS CLAMP 4700	DATRON	SEE DRG		EA	1	
	410347-1	PCB CURRENT/OHMS 4700	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	450419-2	HEATSINK CURRENT 4700	ADVANCE	SEE DRG		EA	1	
	512000	WIRE 7/.2 PTFE 1KV BLK	BICC	SEE DRG		AR	1	
	512111	WIRE 7/.2 PTFE 1KV BRN	BICC	SEE DRG		AR	1	
	512222	WIRE 7/.2 PTFE 1KV RED	BICC	SEE DRG		AR	1	
	512333	WIRE 7/.2 PTFE 1KV ORG	BICC	SEE DRG		AR	1	
	512444	WIRE 7/.2 PTFE 1KV YLW	BICC	SEE DRG		AR	1	
	512555	WIRE 7/.2 PTFE 1KV GRN	BICC	SEE DRG		AR	1	
	512666	WIRE 7/.2 PTFE 1KV BLU	BICC	SEE DRG		AR	1	
	512777	WIRE 7/.2 PTFE 1KV VLT	BICC	SEE DRG		AR	1	
	512888	WIRE 7/.2 PTFE 1KV GRY	BICC	SEE DRG		AR	1	
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG		AR	1	
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG		AR	1	
	540006	WIRE 1/.4 PTFE 250V BLK	BICC	SEE DRG		AR	1	
	560008-3	CABLE 4-CORE 7/.2 PTFE SC	BICC	SEE DRG		AR	1	
	590001	SLEEVE NP 1.5 X 20MM BLK	HELLERMANN	H15 X 20MM BLK		EA	4	
	590007	LACING TAPE 1.6MM	ALPHA	LC134	S	AR	1	
	590029	SLEEVE HS 9.0mm BLK	HELLERMANN	SFM9-3BK		AR	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	590076	SOLDER SLEEVE DIAM.7.3	RAYFAST	CWT-7			EA 1	
	602001	TERMINAL FSV	MILL-MAX	1065015013002102	A		EA 16	
	605052	HOUSING 8-WAY .1"	MOLEX	6471 SERIES 22-01-20			EA 1	
	605057-1	CRIMP TERM .100 GD PL REEL	MOLEX	08-56-0120 TO DRG			EA 8	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A		EA 3	
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A		EA 7	
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A		EA 3	
	605070	SOCKET PCB 20-WAY DIL	JERMYN	J23-18020	A		EA 2	
	611004	SCREW M3 X 6 POZIPAN SZP	GKN	SEE DRG			EA 3	
	611008	SCREW M3 X 10 POZICSK SZP	GKN	SEE DRG			EA 2	
	611015	SCREW M3 X 8 POZICSK SZP	GKN	SEE DRG			EA 2	
	613005	WASHER M3 INT SHAKP SZP	GKN	SEE DRG			EA 2	
	613017	WASHER M3 PLAIN NYL	PLASTIC SCREWS	SEE DRG			EA 34	
	613029	WASHER M3 CRINKLE SS	GKN	SEE DRG			EA 5	
	615002	NUT FULL M3 SZP	GKN	SEE DRG			EA 4	
	618001	BUSH INSUL P0220	PHILIPS	56359C			EA 2	
	620001	CLOVERLEAF SMALL PTFE	SEAELECTRO	011-6808-040599			EA 16	
	620003	PIN SOLDER	MILL-MAX	3130200010000080			EA 1	
	620005	CLOVERLEAF LARGE PTFE	SEAELECTRO	011-6809-040599			EA 20	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA 11	
	630003	CLIP 'P' 4.8	SES	CN5			EA 2	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2/D0006			EA 14	
	630036	BEAD CERAMIC 18 SWG	PARK ROYAL PORCELAIN	No1/D0005			EA 16	
	630122	PCB EJECTOR BLUE	RICHCO	CBE-16			EA 2	
	630167	TAPE FOAM 6mm X 9mm WIDE	TESA	TESAMOLL 761/4763			AR 1	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MAN'SOL PREFORMS LT	M5363B/3			EA 32	
	900003	HEATSINK COMPOUND	RS COMPONENTS	554-311			AR 1	

End

DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE	REVISION	ECO	DATE	CHK'D
COMPONENT LAYOUT	480618	1	1.0	2.0		11.3.86 RMC	
PARTS LIST	LP400618	ALL	2.0			11.4.86	
SCHEMATIC	430618	1	2.1			21.4.86	
SCHEMATIC	430618	2	2.2			23.05.86	
SCHEMATIC	430618	3	2.3			25.5.86	
SCHEMATIC	430618	4	3.0			25.5.86	
SCHEMATIC	430618	5	3.1			24.61.1.286	
SCHEMATIC	430618	6	4.0			26.03.4.6.87	
FUNCTIONAL TEST PROC	460618/FT	ALL	4.1			25.5.87	
FUNC. TEST TICK LIST	470618/FT	ALL	4.2			26.42.5.8.87	
POWER AMP TEST PROC	PI400618	DISC	4.3			26.83.12.0.187	
PCB	410339		4.3			27.3.6.18.1.88	
			4.4			27.15.6.5.87	
			4.5			29.55.20.10.88	
			5.0			30.13.10.88	
			5.1			31.1.88	
			5.2			31.6.88	
			5.3			31.11.88	
			5.4			31.12.88	
			6.0			31.12.88	
			6.1			31.12.88	
			6.2			31.12.88	
			6.3			31.12.88	

NOTES: DENOTES NO CHANGE TO DOC AT ISSUE LEVEL CHANGE.

DATRON INSTRUMENTS LTD NORWICH ENGLAND

DRG NO: LP400618-6

DATE: 11.3.86

CHK'D: R. A. COGGLEY

DATE: 17/3/86

APPROVED: [Signature]

DATE: 18.3.86

TITLE: 4700 PA PCB ASSY

DRAWING No: LD400618

SHEET 1 OF 1

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB PA 4XXX DRG NO: LP400618-6 REV: 3 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	000222	RES CF 2K2 5% .25W	NEOHM	CFR25 2K2 5%	A	EA	3	
R2	000272	RES CF 2K7 5% .25W	NEOHM	CFR25 2K7 5%	A	EA	2	
R3	006105	RES MO 1M0 2% 1W	E-SIL COMPONENTS	FPI 1M0 2%		EA	2	
R4	006105	RES MO 1M0 2% 1W	E-SIL COMPONENTS	FPI 1M0 2%		EA	-	
R5	000152	RES CF 1K5 5% .25W	NEOHM	CFR25 1K5 5%	A	EA	1	
R6	000330	RES CF 33R 5% .25W	NEOHM	CFR25 33R 5%	A	EA	1	
R7	013161	RES MF 3K16 1% .12W 50PPM	MEC	H8 3K16 1% 50PPM	A	EA	2	
R8	013161	RES MF 3K16 1% .12W 50PPM	MEC	H8 3K16 1% 50PPM	A	EA	-	
R9	007100	RES MO 10R 2% 2W	E-SIL COMPONENTS	FP2 10R 2%		EA	2	
R10	015620	RES MF 562R 1% .12W 50PPM	MEC	H8 562R 1% 50PPM	A	EA	3	
R11	007393	RES MO 39K 2% 2W	E-SIL COMPONENTS	FP2 39K 2%		EA	2	
R12	007474	RES MO 470K 2% 2W	E-SIL COMPONENTS	FP2 470K 2%		EA	1	
R13	001561	RES CF 560R 5% .5W	NEOHM	CFR50 560R 5%		EA	1	
R14	000123	RES CF 12K 5% .25W	NEOHM	CFR25 12K 5%	A	EA	3	
R15	000222	RES CF 2K2 5% .25W	NEOHM	CFR25 2K2 5%	A	EA	-	
R16	018251	RES MF 8K25 1% .12W 50PPM	MEC	H8 8K25 1% 50PPM	A	EA	2	
R17	018251	RES MF 8K25 1% .12W 50PPM	MEC	H8 8K25 1% 50PPM	A	EA	-	
R18	000272	RES CF 2K7 5% .25W	NEOHM	CFR25 2K7 5%	A	EA	-	
R19	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	2	
R20	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	15	
R21	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R22	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R23	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R24	070066	RES NW 10K 0.1% 5PPM	VISHAY MANN	MX125B		EA	3	
R25	080041	RES FL 750R 0.1% 4PPM	VISHAY MANN	VSR 750R00 0.1%	A	EA	1	
R26	070066	RES NW 10K 0.1% 5PPM	VISHAY MANN	MX125B		EA	-	
R27	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R28	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R29	070066	RES NW 10K 0.1% 5PPM	VISHAY MANN	MX125B		EA	-	
R30	070170	RES NW 1K 0.1% 5PPM	VISHAY MANN	MX125B		EA	1	
R31	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R32	011542	RES MF 15K4 1% .12W 50PPM	MEC	H8 15K4 1% 50PPM	A	EA	1	
R33	013012	RES MF 30K1 1% .12W 50PPM	MEC	H8 30K1 1% 50PPM	A	EA	1	
R34	007100	RES MO 10R 2% 2W	E-SIL COMPONENTS	FP2 10R 2%		EA	-	
R35	015620	RES MF 562R 1% .12W 50PPM	MEC	H8 562R 1% 50PPM	A	EA	-	
R36	007393	RES MO 39K 2% 2W	E-SIL COMPONENTS	FP2 39K 2%		EA	-	
R37	014990	RES MF 499R 1% .12W 50PPM	MEC	H8 499R 1% 50PPM	A	EA	1	
R38	000123	RES CF 12K 5% .25W	NEOHM	CFR25 12K 5%	A	EA	-	
R39	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R40	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	16	
R47	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	3	
R48	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R49	008051	RES NW 43K 5% 9W	WELBYN	H23-43K		EA	1	
R50	000824	RES CF 820K 5% .25W	NEOHM	CFR25 820K 5%	A	EA	2	
R51	006204	RES MO 200K 2% 1W	E-SIL COMPONENTS	FPI 200K 2%		EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R52	011000	RES MF 100R 1% .12W 50PPM	MEC	H8 100R 1% 50PPM	A	EA	1	
R53	016198	RES MF 61R9 1% .12W 50PPM	MEC	H8 61R9 1% 50PPM	A	EA	1	
R54	000331	RES CF 330R 5% .25W	NEOHEM	CFR25 330R 5%	A	EA	1	
R55	000102	RES CF 1K0 5% .25W	NEOHEM	CFR25 1K0 5%	A	EA	6	
R56	012000	RES MF 200R 1% .12W 50PPM	MEC	H8 200R 1% 50PPM	A	EA	1	
R57	000470	RES CF 47R 5% .25W	NEOHEM	CFR25 47R 5%	A	EA	3	
R58	015620	RES MF 562R 1% .12W 50PPM	MEC	H8 562R 1% 50PPM	A	EA	-	
R60	000473	RES CF 47R 5% .25W	NEOHEM	CFR25 47R 5%	A	EA	-	
R61	000824	RES CF 820K 5% .25W	NEOHEM	CFR25 820K 5%	A	EA	-	
R63	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	4	
R64	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R65	008058	RES WW 22K 5% .12W	WELWYN	W24-22K	A	EA	1	
R66	015111	RES MF 5K11 1% .12W 50PPM	MEC	H8 5K11 1% 50PPM	A	EA	1	
R67	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R68	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R69	000223	RES CF 22K 5% .25W	NEOHEM	CFR25 22K 5%	A	EA	1	
R70	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	
R71	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	2	
R72	015110	RES MF 511R 1% .12W 50PPM	MEC	H8 511R 1% 50PPM	A	EA	2	
R73	000103	RES CF 10K 5% .25W	NEOHEM	CFR25 10K 5%	A	EA	-	
R74	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	-	
R76	000103	RES CF 10K 5% .25W	NEOHEM	CFR25 10K 5%	A	EA	-	
R77	066502	RES CT 5K SIDE ADJ S/T	BECKMAN	72XWR5K	A	EA	1	
R78	000621	RES CF 620R 5% .25W	NEOHEM	CFR25 620R 5%	A	EA	1	
R79	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	
R80	000105	RES CF 1M0 5% .25W	NEOHEM	CFR25 1M0 5%	A	EA	6	
R81	000222	RES CF 2K2 5% .25W	NEOHEM	CFR25 2K2 5%	A	EA	-	
R82	000102	RES CF 1K0 5% .25W	NEOHEM	CFR25 1K0 5%	A	EA	-	
R83	000472	RES CF 4K7 5% .25W	NEOHEM	CFR25 4K7 5%	A	EA	3	
R84	001182	RES CF 1K8 5% .5W	NEOHEM	CFR50 1K8 5%	A	EA	3	
R85	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	
R86	000226	RES HM 22M 5% .25W	ALLEN BRADLEY	CB 22M 5%	A	EA	2	
R87	000226	RES HM 22M 5% .25W	ALLEN BRADLEY	CB 22M 5%	A	EA	-	
R88	005204	RES MO 200K 2% .5W	E-SIL COMPONENTS	TR5 200K 2%	A	EA	2	
R89	000100	RES CF 10R 5% .25W	NEOHEM	CFR25 10R 5%	A	EA	3	
R90	001182	RES CF 1K8 5% .5W	NEOHEM	CFR50 1K8 5%	A	EA	-	
R91	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	
R92	000103	RES CF 10K 5% .25W	NEOHEM	CFR25 10K 5%	A	EA	-	
R93	016190	RES MF 619R 1% .12W 50PPM	MEC	H8 619R 1% 50PPM	A	EA	3	
R94	013320	RES MF 332R 1% .12W 50PPM	MEC	H8 332R 1% 50PPM	A	EA	2	
R95	012800	RES MF 280R 1% .12W 50PPM	MEC	H8 280R 1% 50PPM	A	EA	1	
R96	019090	RES MF 909R 1% .12W 50PPM	MEC	H8 909R 1% 50PPM	A	EA	1	
R97	011821	RES MF 1K82 1% .12W 50PPM	MEC	H8 1K82 1% 50PPM	A	EA	1	
R98	014421	RES MF 4K42 1% .12W 50PPM	MEC	H8 4K42 1% 50PPM	A	EA	1	
R99	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R100	000105	RES CF 1M0 5% .25W	NEOHEM	CFR25 1M0 5%	A	EA	-	
R101	000474	RES CF 470K 5% .25W	NEOHEM	CFR25 470K 5%	A	EA	1	
R102	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	
R103	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	
R104	000102	RES CF 1K0 5% .25W	NEOHEM	CFR25 1K0 5%	A	EA	-	
R105	000103	RES CF 10K 5% .25W	NEOHEM	CFR25 10K 5%	A	EA	-	
R106	000103	RES CF 10K 5% .25W	NEOHEM	CFR25 10K 5%	A	EA	-	
R107	000103	RES CF 10K 5% .25W	NEOHEM	CFR25 10K 5%	A	EA	-	
R108	000472	RES CF 4K7 5% .25W	NEOHEM	CFR25 4K7 5%	A	EA	-	
R109	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	
R110	000393	RES CF 39K 5% .25W	NEOHEM	CFR25 39K 5%	A	EA	1	
R111	000472	RES CF 4K7 5% .25W	NEOHEM	CFR25 4K7 5%	A	EA	-	
R112	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	
R113	000103	RES CF 10K 5% .25W	NEOHEM	CFR25 10K 5%	A	EA	-	
R114	001278	RES CF 2R7 5% .5W	NEOHEM	CFR50 2R7 5%	A	EA	1	
R115	011302	RES MF 13K0 1% .12W 50PPM	MEC	H8 13K0 1% 50PPM	A	EA	2	
R116	011101	RES MF 1K10 1% .12W 50PPM	MEC	H8 1K10 1% 50PPM	A	EA	2	
R117	011302	RES MF 13K0 1% .12W 50PPM	MEC	H8 13K0 1% 50PPM	A	EA	-	
R118	011101	RES MF 1K10 1% .12W 50PPM	MEC	H8 1K10 1% 50PPM	A	EA	-	
R119	000332	RES CF 3K3 5% .25W	NEOHEM	CFR25 3K3 5%	A	EA	2	
R120	000153	RES CF 15K 5% .25W	NEOHEM	CFR25 15K 5%	A	EA	1	
R121	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	
R122	012002	RES MF 20K0 1% .12W 50PPM	MEC	H8 20K0 1% 50PPM	A	EA	1	
R123	012001	RES MF 2K00 1% .12W 50PPM	MEC	H8 2K00 1% 50PPM	A	EA	1	
R124	015110	RES MF 511R 1% .12W 50PPM	MEC	H8 511R 1% 50PPM	A	EA	-	
R125	016190	RES MF 619R 1% .12W 50PPM	MEC	H8 619R 1% 50PPM	A	EA	-	
R126	016190	RES MF 619R 1% .12W 50PPM	MEC	H8 619R 1% 50PPM	A	EA	-	
R127	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	
R128	000104	RES CF 100K 5% .25W	NEOHEM	CFR25 100K 5%	A	EA	-	
R129	000102	RES CF 1K0 5% .25W	NEOHEM	CFR25 1K0 5%	A	EA	-	
R130	000270	RES CF 27R 5% .25W	NEOHEM	CFR25 27R 5%	A	EA	2	
R131	000220	RES CF 22R 5% .25W	NEOHEM	CFR25 22R 5%	A	EA	2	
R132	000470	RES CF 47R 5% .25W	NEOHEM	CFR25 47R 5%	A	EA	-	
R133	000271	RES CF 270R 5% .25W	NEOHEM	CFR25 270R 5%	A	EA	2	
R134	000271	RES CF 270R 5% .25W	NEOHEM	CFR25 270R 5%	A	EA	-	
R135	000470	RES CF 47R 5% .25W	NEOHEM	CFR25 47R 5%	A	EA	-	
R136	000220	RES CF 22R 5% .25W	NEOHEM	CFR25 22R 5%	A	EA	-	
R137	000270	RES CF 27R 5% .25W	NEOHEM	CFR25 27R 5%	A	EA	-	
R138	007184	RES MO 180K 2% .2W	E-SIL COMPONENTS	FP2 180K 2%	A	EA	2	
R139	000180	RES CF 18R 5% .25W	NEOHEM	CFR25 18R 5%	A	EA	2	
R141	000108	RES CF 1R0 5% .25W	NEOHEM	CFR25 1R0 5%	A	EA	2	
R143	000100	RES CF 10R 5% .25W	NEOHEM	CFR25 10R 5%	A	EA	-	
R144	000338	RES CF 3R3 5% .25W	NEOHEM	CFR25 3R3 5%	A	EA	1	
R145	000100	RES CF 10R 5% .25W	NEOHEM	CFR25 10R 5%	A	EA	-	
R147	000108	RES CF 1R0 5% .25W	NEOHEM	CFR25 1R0 5%	A	EA	-	

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R149	000180	RES CF 18R 5% .25W	NEOHM	CFR25 18R 5%	A	EA	-	
R150	001182	RES CF 1K8 5% .5W	NEOHM	CFR50 1K8 5%	A	EA	-	
R151	008082	RES NW 18R 5% 2.5W	WELWYN	W21	A	EA	1	
R152	000183	RES CF 18K 5% .25W	NEOHM	CFR25 18K 5%	A	EA	2	
R153	000561	RES CF 560R 5% .25W	NEOHM	CFR25 560R 5%	A	EA	1	
R154	000183	RES CF 18K 5% .25W	NEOHM	CFR25 18K 5%	A	EA	-	
R155	007184	RES MO 180K 2% .2W	E-SIL COMPONENTS	FR2 180K 2%	A	EA	-	
R156	018250	RES MF 825R 1% .12W 50PPM	MEC	H8 825R 1% 50PPM	A	EA	1	
R157	016811	RES MF 6K81 1% .12W 50PPM	MEC	H8 6K81 1% 50PPM	A	EA	2	
R158	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R159	011501	RES MF 1K50 1% .12W 50PPM	MEC	H8 1K50 1% 50PPM	A	EA	1	
R160	000332	RES CF 3K3 5% .25W	NEOHM	CFR25 3K3 5%	A	EA	-	
R161	016811	RES MF 6K81 1% .12W 50PPM	MEC	H8 6K81 1% 50PPM	A	EA	-	
R162	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R165	017500	RES MF 750R 1% .12W 50PPM	MEC	H8 750R 1% 50PPM	A	EA	1	
R166	000150	RES CF 15R 5% .25W	NEOHM	CFR25 15R 5%	A	EA	2	
R167	000150	RES CF 15R 5% .25W	NEOHM	CFR25 15R 5%	A	EA	-	
R168	000182	RES CF 1K8 5% .25W	NEOHM	CFR25 1K8 5%	A	EA	1	
R169	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R170	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R171	011621	RES MF 1K62 1% .12W 50PPM	MEC	H8 1K62 1% 50PPM	A	EA	1	
R172	000518	RES CF 5R1 5% .25W	NEOHM	CFR25 5R1 5%	A	EA	2	
R173	000518	RES CF 5R1 5% .25W	NEOHM	CFR25 5R1 5%	A	EA	-	
R174	000228	RES CF 2R2 5% .25W	NEOHM	CFR25 2R2 5%	A	EA	1	
R175	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R176	005204	RES MO 200K 2% .5W	E-SIL COMPONENTS	TR5 200K 2%	A	EA	-	
R177	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	-	
R178	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	-	
R180	011741	RES MF 1K74 1% .12W 50PPM	MEC	H8 1K74 1% 50PPM	A	EA	1	
R181	012492	RES MF 24K9 1% .12W 50PPM	MEC	H8 24K9 1% 50PPM	A	EA	1	
R182	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R183	000123	RES CF 12K 5% .25W	NEOHM	CFR25 12K 5%	A	EA	-	
R185	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	-	
R186	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	-	
R187	013320	RES MF 332R 1% .12W 50PPM	MEC	H8 332R 1% 50PPM	A	EA	-	
AN1	090132	RES PACK 4K7 X 4 2%	BECKMAN	LO8-3S-R47K	A	EA	1	
AN2	090095	RES PACK 47K X 4 2%	BECKMAN	LO8-3S-R47K	A	EA	1	
AN3	090165	RES PACK 68R X 4 2%	BECKMAN	LO8-3S-R68	A	EA	1	
AN4	090096	RES NTK 1M X 8 2%	BECKMAN	LO9-1S-R1M	A	EA	2	
AN5	090096	RES NTK 1M X 8 2%	BECKMAN	LO9-1S-R1M	A	EA	-	
AN8	090090	RES PACK 47K X 8 2%	BECKMAN	898-3-R47K	A	EA	1	
AN9	090144	RES PACK 1K X 8 1%	BECKMAN	698-3-R1K	A	EA	1	
C1	150023	CAP DT 33UF 20% 25V	AVX	TAP336M025F	A	EA	1	
C2	104018	CAP CD 1M0 20% 1KV	BECK	HD10K201N0MSAA	A	EA	2	
C3	150006	CAP DT 4U7F 20% 16V	AVX	TAP475M016F	A	EA	4	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C4	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V		EA	6	
C5	150012	CAP DT 100NF 20% 35V	AVX	TAP104M035F	A	EA	4	
C6	150012	CAP DT 100NF 20% 35V	AVX	TAP104M035F	A	EA	-	
C7	104018	CAP CD 1M0 20% 1KV	BECK	HD10K201N0MSAA	A	EA	-	
C8	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	13	
C9	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C10	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	3	
C11	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C12	104021	CAP CD 15PF 20% 1KV	BECK	HD10CG15P0MSAA	A	EA	1	
C13	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C14	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C15	110035	CAP PE 220NF 20% 63V	WIMA	MKS2 0.22 20% 63V	A	EA	2	
C16	150012	CAP DT 100NF 20% 35V	AVX	TAP104M035F	A	EA	-	
C17	102222	CAP CD 2N2F 20% 500V	BECK	CD10K202N2MSCR	A	EA	1	
C19	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C20	110015	CAP PE 15NF 20% 63V	WIMA	MKS2 0.015 20% 63V		EA	3	
C21	104026	CAP CM 47NF +80%-20% 50V	WIMA	SR175E473ZAA	A	EA	-	
C22	110044	CAP PE 680NF 20% 630V	WIMA	MKS4 0.68 20% 630V	A	EA	2	
C23	102221	CAP CD 220PF 10% 500V N3300	BECK	CD10DL220PKSCR	A	EA	3	
C24	102221	CAP CD 220PF 10% 500V N3300	BECK	CD10DL220PKSCR	A	EA	-	
C25	110041	CAP PE 10NF 20% 100V	WIMA	FKS2 0.01 20% 100V		EA	3	
C26	180041	CAP AE 100UF 40V	STEATITE	EKM00DC310G		EA	1	
C27	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C28	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C29	150006	CAP DT 4U7F 20% 16V	AVX	TAP475M016F	A	EA	-	
C30	102471	CAP CD 470PF 20% 500V N4700	BECK	CD10EM470PMSCR	A	EA	2	
C31	110044	CAP PE 680NF 20% 630V	WIMA	MKS4 0.68 20% 630V	A	EA	-	
C32	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C33	100272	CAP CP 2N7F 10% 100V	PHILIPS	2222 630 19272		EA	1	
C34	110015	CAP PE 15NF 20% 63V	WIMA	MKS2 0.015 20% 63V		EA	-	
C35	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V		EA	-	
C36	150024	CAP DT 47UF 20% 16V	AVX	TAP476M016F	A	EA	2	
C37	150024	CAP DT 47UF 20% 16V	AVX	TAP476M016F	A	EA	-	
C38	110035	CAP PE 220NF 20% 63V	WIMA	MKS2 0.22 20% 63V	A	EA	-	
C39	150022	CAP DT 2U2F 20% 35V	AVX	TAP225M035F	A	EA	5	
C40	102338	CAP CD 3P3F +/-0P5F 500V P100	BECK	CD08AG03P3DSCR	A	EA	1	
C41	150022	CAP DT 2U2F 20% 35V	AVX	TAP225M035F	A	EA	-	
C42	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C43	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C44	110015	CAP PE 15NF 20% 63V	WIMA	MKS2 0.015 20% 63V		EA	-	
C45	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N02SCR/SK250		EA	4	
C46	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N02SCR/SK250		EA	-	
C47	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V		EA	-	
C48	102221	CAP CD 220PF 10% 500V N3300	BECK	CD10DL220PKSCR	A	EA	-	
C49	180051	CAP AE 22UF 20% 350V	NIPPON CHEMI-CON	SMVB22/350M		EA	2	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C50	100101	CAP CP 100PF 2% 100V	PHILIPS	2222 683 34101	A	EA	2	
C51	180045	CAP AE 47UF 63V	PHILIPS	2222 031 38479	A	EA	2	
C52	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C53	100338	CAP CP 3P3F +/-0P25F 100V	PHILIPS	2222 683 09338	A	EA	1	
C54	180045	CAP AE 47UF 63V	PHILIPS	2222 031 38479	A	EA	-	
C55	102228	CAP CD 2P2F +/-1PF 500V P100	BECK	CD08AG02P2FSCR	A	EA	1	
C56	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C57	100101	CAP CP 100PF 2% 100V	PHILIPS	2222 683 34101	A	EA	-	
C58	100332	CAP CP 3N3F 10% 100V	PHILIPS	2222 630 19332	A	EA	1	
C59	180051	CAP AE 22UF 20% 350V	NIPPON CHEMI-CON	SMVB22/350M	A	EA	-	
C60	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C61	150022	CAP DT 2U2F 20% 35V	AVX	TAP225M035F	A	EA	-	
C62	150022	CAP DT 2U2F 20% 35V	AVX	TAP225M035F	A	EA	-	
C63	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310M03ESCR/SK250	A	EA	-	
C64	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310M02ESCR/SK250	A	EA	-	
C65	110046	CAP PE 1UF 20% 50V	WIMA	MKS2 1.0 20% 50V	A	EA	1	
C66	150012	CAP DT 100NF 20% 35V	AVX	TAP104M035F	A	EA	-	
C67	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102	A	EA	3	
C68	110026	CAP PE 68MF 20% 100V	WIMA	FKS2 6800 20% 100V	A	EA	1	
C69	150008	CAP DT 470NF 20% 35V	AVX	TAP474M035F	A	EA	1	
C70	150006	CAP DT 4U7F 20% 16V	AVX	TAP475M016F	A	EA	-	
C71	110041	CAP PE 10NF 20% 100V	WIMA	FKS2 0.01 20% 100V	A	EA	-	
C72	102100	CAP CD 10PF 20% 500V NPO	BECK	CD08CC10P0MSCR	A	EA	1	
C73	102102	CAP CD 1NF 10% 500V	BECK	CD10K101N0KSCR	A	EA	1	
C74	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C75	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	6	
C76	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	-	
C77	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	-	
C78	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	-	
C79	150006	CAP DT 4U7F 20% 16V	AVX	TAP475M016F	A	EA	-	
C80	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C81	110041	CAP PE 10NF 20% 100V	WIMA	FKS2 0.01 20% 100V	A	EA	-	
C83	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102	A	EA	-	
C84	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102	A	EA	-	
C85	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C86	110020	CAP PE 47NF 20% 63V	WIMA	MKS2 0.047 20% 63V	A	EA	1	
C87	150022	CAP DT 2U2F 20% 35V	AVX	TAP225M035F	A	EA	-	
C88	102471	CAP CD 470PF 20% 500V N4700	BECK	CD10EM470PMSCR	A	EA	-	
C89	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	-	
C90	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	-	
C91	100151	CAP CP 150PF 2% 100V	PHILIPS	2222 683 34151	A	EA	1	
D1	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A	EA	7	
D2	210047	DIODE ZN 4V7 400mW	PHILIPS	BZX79C4V7	A	EA	1	
D3	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	26	
D4	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	8	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
D5	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D6	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D7	210160	DIODE ZN 16V 400mW	PHILIPS	BZX79C16	A	EA	2	
D8	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D9	214012	DIODE ZN 2V45 2.8% 150PPM	FERRANTI	ZN458	A	EA	4	
D11	220008	DIODE LE RED DIFF	HP	HLMP3300	A	EA	2	
D12	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A	EA	-	
D13	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D14	210160	DIODE ZN 16V 400mW	PHILIPS	BZX79C16	A	EA	-	
D15	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D16	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D17	214012	DIODE ZN 2V45 2.8% 150PPM	FERRANTI	ZN458	A	EA	-	
D18	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D19	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	-	
D20	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D21	00000N	NOT FITTED	DATRON	00000N	A	EA	1	
D22	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D23	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D24	210150	DIODE ZN 15V 400mW	PHILIPS	BZX79C15	A	EA	1	
D25	214012	DIODE ZN 2V45 2.8% 150PPM	FERRANTI	ZN458	A	EA	-	
D26	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D27	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	-	
D28	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D29	214012	DIODE ZN 2V45 2.8% 150PPM	FERRANTI	ZN458	A	EA	-	
D30	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D31	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D32	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	-	
D33	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	1	
D34	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D35	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D36	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D39	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A	EA	-	
D40	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A	EA	-	
D41	211150	DIODE ZN 15V 1.3W	PHILIPS	BZV85C15	A	EA	1	
D42	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A	EA	-	
D43	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A	EA	-	
D44	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D46	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	12	
D47	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D48	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D49	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D51	210300	DIODE ZN 30V 400mW	PHILIPS	BZX79C30	A	EA	1	
D54	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A	EA	-	
D55	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	-	
D56	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
D57	213095	DIODE ZN 75V 500mW	MOTOROLA	BZX79C75	A	EA	1	
D58	200001	DIODE GP 75ma 75V	FAIRCHILD	1N4148	A	EA	-	
D59	200001	DIODE GP 75ma 75V	FAIRCHILD	1N4148	A	EA	-	
D61	213095	DIODE ZN 400V 500mW	THOMPSON	BZX79C200	A	EA	2	
D61	213095	DIODE ZN 300V 500mW	THOMPSON	BZX79C200	A	EA	-	
D62	200008	DIODE GP 200ma 125V	FAIRCHILD	1N458A	A	EA	-	
D63	200008	DIODE GP 200ma 125V	FAIRCHILD	1N458A	A	EA	-	
D64	200008	DIODE GP 200ma 125V	FAIRCHILD	1N458A	A	EA	-	
D65	200008	DIODE GP 200ma 125V	FAIRCHILD	1N458A	A	EA	-	
D66	200008	DIODE GP 200ma 125V	FAIRCHILD	1N458A	A	EA	-	
D67	200008	DIODE GP 200ma 125V	FAIRCHILD	1N458A	A	EA	-	
D68	200008	DIODE GP 200ma 125V	FAIRCHILD	1N458A	A	EA	-	
D69	200008	DIODE GP 200ma 125V	FAIRCHILD	1N458A	A	EA	-	
D70	220008	DIODE LE RED DIPP	HP	HMP3300	A	EA	-	
D71	200001	DIODE GP 75ma 75V	FAIRCHILD	1N4148	A	EA	-	
D72	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	-	
D73	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005	A	EA	-	
D74	200001	DIODE GP 75ma 75V	FAIRCHILD	1N4148	A	EA	-	
D75	210120	DIODE ZN 12V 400mW	PHILIPS	BZX79C12	A	EA	1	
D76	210033	DIODE ZN 3V3 400mW	PHILIPS	BZX79C3V3	A	EA	2	
D77	210033	DIODE ZN 3V3 400mW	PHILIPS	BZX79C3V3	A	EA	-	
D79	200001	DIODE GP 75ma 75V	FAIRCHILD	1N4148	A	EA	-	
D80	200001	DIODE GP 75ma 75V	FAIRCHILD	1N4148	A	EA	-	
D81	200001	DIODE GP 75ma 75V	FAIRCHILD	1N4148	A	EA	-	
Q1	240001	TRAN NPN	MOTOROLA	BC184	A	EA	4	
Q2	230063	TRAN FET T MOS N-CHAN	MOTOROLA	MTP2N85	A	EA	2	
Q3	250001	TRAN PNP	MOTOROLA	BC214	A	EA	4	
Q4	230064	TRAN FET T MOS P-CHAN	MOTOROLA	MTP2P50	A	EA	2	
Q5	250036	TRAN PNP DUAL LO NOISE	PMI	HAT-03FH	A	EA	1	
Q6	230036	TRAN JFET N CHAN	SILICONIX	J108	A	EA	4	
Q8	230064	TRAN FET T MOS P-CHAN	MOTOROLA	MTP2P50	A	EA	-	
Q9	230073	TRAN FET T MOS N-CHAN	SIEMENS	BU250B	A	EA	1	
Q10	250001	TRAN PNP	MOTOROLA	BC214	A	EA	-	
Q11	240001	TRAN NPN	MOTOROLA	BC184	A	EA	-	
Q12	240001	TRAN NPN	MOTOROLA	BC184	A	EA	-	
Q13	250001	TRAN PNP	MOTOROLA	BC214	A	EA	-	
Q14	230036	TRAN JFET N CHAN	SILICONIX	J108	A	EA	-	
Q15	230036	TRAN JFET N CHAN	SILICONIX	J108	A	EA	-	
Q18	230036	TRAN JFET N CHAN	SILICONIX	J108	A	EA	-	
Q19	230036	TRAN JFET N CHAN	SILICONIX	U1899JF	A	EA	6	
Q20	230063	TRAN FET T MOS N-CHAN	MOTOROLA	MTP2N85	A	EA	-	
Q21	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506	A	EA	2	
Q22	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	2	
Q23	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	2	
Q24	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506	A	EA	-	


DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
Q25	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A	EA	-	
Q26	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A	EA	-	
Q27	250009	TRAN PNP TO92	MOTOROLA	2N5401	A	EA	2	
Q28	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q29	240009	TRAN NPN TO18	MOTOROLA	2N5550	A	EA	2	
Q30	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q31	250009	TRAN PNP TO92	MOTOROLA	2N5401	A	EA	-	
Q32	240051	TRAN NPN 120V TO220	SANYO	2SC3781E	A	EA	1	
Q33	250035	TRAN PNP 120V TO220	SANYO	2SA1475E	A	EA	1	
Q34	240009	TRAN NPN TO18	MOTOROLA	2N5550	A	EA	-	
Q35	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A	EA	-	
Q36	250001	TRAN PNP	MOTOROLA	BC214	A	EA	-	
Q39	230019	TRAN MOSFET P CHAN 40V TO72	GE INTERSIL	3N163	A	EA	1	
Q40	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	1	
Q41	240001	TRAN NPN	MOTOROLA	BC184	A	EA	-	
Q42	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A	EA	-	
Q43	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A	EA	-	
M1	290077	IC DIG DRIVER DARLINGTON X7	EXAR	XR2204CP	A	EA	1	
M2	260049	IC LIN V COMP DUAL	NATIONAL	LM319N	A	EA	1	
M3	260039	IC LIN OP AMP QUAD	NATIONAL	LM324N	A	EA	1	
M4	280023	IC DIG NOR2 QUAD	MOTOROLA	MC14001BCP	A	EA	1	
M5	280011	IC DIG FLIP FLOP D X2	MOTOROLA	MC14013BCP	A	EA	1	
M6	280008	IC DIG NAND2 X4	MOTOROLA	MC14011BCP	A	EA	1	
M7	280090	IC DIG DECODER 2:4 X2	MOTOROLA	MC14555BCP	A	EA	1	
M8	260087	IC LIN OP AMP BIFET	MOTOROLA	MC34081BP	A	EA	1	
M9	280045	IC DIG NOR3 X3	MOTOROLA	MC14025BCP	A	EA	1	
M10	260027	IC LIN OP AMP	FAIRCHILD	UA714HC	A	EA	2	
M11	280009	IC DIG INV X6	MOTOROLA	MC14049UBCP	A	EA	1	
M12	280079	IC DIG OR2 X4	MOTOROLA	MC14071BCP	A	EA	1	
M13	290089	IC DIG DRIVER DARLINGTON X7	EXAR	XR2203CP	A	EA	1	
M15	260046	IC LIN OP AMP	HARRIS	HA3 2525-5	A	EA	2	
M16	220030	OPTO ISOL HI SPEED	HP	6N136	A	EA	1	
M17	260027	IC LIN OP AMP	FAIRCHILD	UA714HC	A	EA	-	
M18	260042	IC LIN OP AMP DUAL	SIGNETICS	NE5532N	A	EA	1	
M19	260046	IC LIN OP AMP	HARRIS	HA3 2525-5	A	EA	-	
M20	260028	IC LIN OP AMP DUAL	FAIRCHILD	UA1458CTC	A	EA	1	
M21	260079	IC LIN REG 12V	NATIONAL	LM78L12AC2	A	EA	1	
M22	260075	IC LIN V COMP DUAL	NATIONAL	LM2903N	A	EA	2	
M23	260075	IC LIN V COMP DUAL	NATIONAL	LM2903N	A	EA	-	
RL1	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V	A	EA	8	
RL2	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V	A	EA	-	
RL3	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V	A	EA	-	
RL4	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V	A	EA	-	
RL5	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V	A	EA	-	
RL6	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
RL7	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V	EA	-		
RL8	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V	EA	-		
L1	370025	CHOKER RF 2U2H 665mA	SIGMA	30-10-2517-10	EA	2		
L2	370025	CHOKER RF 2U2H 665mA	SIGMA	30-10-2517-10	EA	-		
L3	370001	CHOKER RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	5	
L4	370001	CHOKER RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L5	370001	CHOKER RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L6	370007-1	CHOKER DC FILTER 40mR 10R	SIGA	SEE DRG	EA	1		
L7	370012	CHOKER RF 470NH 1A39	SIGMA	10-10-0509-10	EA	2		
L8	370012	CHOKER RF 470NH 1A39	SIGMA	10-10-0509-10	EA	-		
L9	370001	CHOKER RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
LL0	370001	CHOKER RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
J4	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041	EA	10		
J5	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041	EA	-		
J1A	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041	EA	-		
J1B	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041	EA	-		
J2A	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041	EA	-		
J2B	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041	EA	-		
J2C	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041	EA	-		
J3A	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041	EA	-		
J3B	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041	EA	-		
J3C	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041	EA	-		
TLD	604085	PLUG PCB 2-WAY .1"	MOLEX	22-29-2021	EA	1		
S1	700081	SWITCH 1P2W SLIDE	ALCO	SLS-121-PC	EA	1		
F1	920191	FUSE THERMAL 147 DEG C	UMI	X150	EA	1		
410339-4		PCB POWER AMP 4700	MANCHESTER CIRCUITS	SEE DRG	EA	1		
420098		LABEL SERIAL/ASSY No	RS COMPONENTS	554-793	EA	1		
420112-1		LABEL SSD WARNING 12 X 12mm	TEKNIS	LN1212	A	EA	1	
512999		WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG	AR	1		
540002		WIRE 1/.7 TINNED COPPER	BICC	SEE DRG	AR	1		
540006		WIRE 1/.4 PTFE 250V BLK	BICC	SEE DRG	AR	1		
560002		CABLE CO-AX 7/34AWG 2.54 DIA	RAYFAST	5026A1311-0	AR	1		
590004		SLEEVE PTFE 1mm BLK	HELLERMANN	FE10BK	AR	1		
590031		SLEEVE BS 3.2mm YLW	RS COMPONENTS	399-502	AR	1		
590074		SLEEVE SOLDER DIAM.3.0	RAYFAST	CWT-3	EA	1		
604046		PLUG PCB 3-WAY .1"	MOLEX	22-10-2031	EA	1		
605059		SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	8	
605060		SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A	EA	7	
605061		SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A	EA	4	
605127		SOCKET LINK 2-WAY .1" BLK	ASSMANN	AKSPL-G	EA	1		
611006		SCREW M3 X 10 POZIPAN SZP	GKN	SEE DRG	EA	2		
611016		SCREW M3 X 8 POZIPAN SZP	GKN	SEE DRG	EA	4		
613005		WASHER M3 INT SHAKP SZP	GKN	SEE DRG	EA	3		
613007		WASHER M3 PLAIN SZP	GKN	SEE DRG	EA	1		
613029		WASHER M3 CRINKLE SS	GKN	SEE DRG	EA	3		

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	615002	NUF FULL M3 SZP	GKN	SEE DRG	EA	6		
	618001	BUSH INSUL TO220	PHILLIPS	56359C	EA	1		
	618004	PAD MNTG TO18	JERMYN	TO18-008D	EA	4		
	618010	PAD INSUL SIL TO220	WARTH	4177-NA-54	EA	1		
	620003	PIN SOLDER	MILL-MAX	3130200010000080	EA	3		
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30	EA	29		
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	NO2/D0006	EA	52		
	630036	BEAD CERAMIC 18 SWG	PARK ROYAL PORCELAIN	NO1/D0005	EA	8		
	630123	PCB EJECTOR VIOLET	RICCO	CBE-17	EA	2		
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL PREFORMS LT	M5363B/3	EA	26		
	920091-1	HEATSINK TO220	AAVID	SEE DRG	EA	1		
	920152	HEATSINK TO-220	AAVID	542502T00000	EA	3		
	920153	HEATSINK TO220	ASSMANN	V4330	EA	1		
LP1	920148	NEON 200/250V T1.25 BI-PIN	RS COMPONENTS	586-431	EA	2		
LP2	920148	NEON 200/250V T1.25 BI-PIN	RS COMPONENTS	586-431	EA	-		

End

DRG. TITLE No. 7 LD400636		CH'D	DATE	ECD	REVISION	ISSUE	1.0	1.1	1.2	2.0	2.1	2.2	3.0	3.1	3.2																																									
DI WM							01.28.92	12.26.92	01.01.93	11.06.93	02.02.94	11.08.94	02.01.95	02.02.95	03.01.95	03.04.95	04.08.95	01.07.96																																						
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION																																																					
COMPONENT LAYOUT	480636	1	1.0	1.1	1.2	2.0	2.1	2.2	3.0	3.1	3.2																																													
PARTS LIST	LP400636	ALL																																																						



Datron
INSTRUMENTS LTD
NORWICH ENGLAND

DRG CH'D APP'D
DATE DATE DATE

13.8.85 29.12.85 7.3.91

TITLE
4700

REAR PANEL ASSY

DRAWING No
LD400636

SHEET 1 OF 1

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY REAR PANEL 4700 DRG NO: LP400636-3 REV: 2 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	400184-2	ASSY EARTH BRAID	DATRON	SEE DRG			EA	1
	400641-1	ASSY CABLE I/O PORT 4700	DATRON	SEE DRG			EA	1
	400830-1	ASSY PCB INTERCONNECTION	DATRON	SEE DRG			EA	1
	450309-2	SCREW IEEE MOUNTING	SWIFT ENGINEERING	SEE DRG			EA	2
	450682-2	PANEL REAR 4700	ADVANCE	SEE DRG			EA	1
	512333	WIRE 7/.2 PTFE 1KV ORG	BICC	SEE DRG			AR	1
	512555	WIRE 7/.2 PTFE 1KV GRN	BICC	SEE DRG			AR	1
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG			AR	1
	530000	WIRE 24/.2 PVC 1.5KV BLK	BICC	SEE DRG			AR	1
	530111	WIRE 24/.2 PVC 1.5KV BRN	BICC	SEE DRG			AR	1
	530222	WIRE 24/.2 PVC 1.5KV RED	BICC	SEE DRG			AR	1
	530333	WIRE 24/.2 PVC 1.5KV ORG	BICC	SEE DRG			AR	1
	530444	WIRE 24/.2 PVC 1.5KV YLW	BICC	SEE DRG			AR	1
	530666	WIRE 24/.2 PVC 1.5KV BLU	BICC	SEE DRG			AR	1
	530777	WIRE 24/.2 PVC 1.5KV VLT	BICC	SEE DRG			AR	1
	530888	WIRE 24/.2 PVC 1.5KV GRY	BICC	SEE DRG			AR	1
	530999	WIRE 24/.2 PVC 1.5KV NHT	BICC	SEE DRG			AR	1
	560002	CABLE CO-AX 7/34AWG 2.54 DIA	RAYFAST	5026A1311-0			AR	1
	560008-3	CABLE 4-CORE 7/.2 PTFE SC	BICC	SEE DRG			AR	1
	590001	SLEEVE NP 1.5 X 20MM BLK	HELLERMANN	H15 X 20MM BLK			EA	5
	590005	SLEEVE NP 2 X 20MM BLK	HELLERMANN	H20 X 20MM BLK			EA	5
	590006	SLEEVE HS 2.4mm YLW	RS COMPONENTS	399-495			AR	1
	590029	SLEEVE HS 9.0mm BLK	HELLERMANN	SFM9-3BK			AR	1
	590031	SLEEVE HS 3.2mm YLW	RS COMPONENTS	399-502			AR	1
	590074	SLEEVE SOLDER DIAM.3.0	RAYFAST	CWT-3			EA	2
	590076	SOLDER SLEEVE DIAM.7.3	RAYFAST	CWT-7			EA	1
	601001	SOCKET BULKHEAD BNC 50 OHMS	GREENPAR	GE350275			EA	1
	601007	TERMINAL TAB 4.8 X 0.8 RT ANG	ROSS COURTNEY	755228			EA	1
	605051	HOUSING 4-WAY	MOLEX	6471 SERIES 22-01-20			EA	1
	605057-1	CRIMP TERM .100 GD PL REEL	MOLEX	08-56-0120 TO DRG			EA	2
	605135	SOCKET PANEL MNT 6-WAY	MOLEX	03-09-1061			EA	2
	605136-1	CRIMP TERM .093 GD PL MALE	MOLEX	02-09-6122 TO DRG			EA	4
	605137-1	CRIMP TERM .093 GD PL FEMALE	MOLEX	02-09-5143 TO DRG			EA	5
	605181	SOCKET PANEL MNT 6-WAY	LEMO	EGG2B306CNL			EA	1
	606013	JACKSCREW 'D' CONNECTOR	T & B ANSLY	609-004			EA	2
	606014	JACKSOCKET 'D' CONNECTOR	T & B ANSLY	609-006			EA	2
	606034	CHASSIS MNT DUST COVER	LEMO	BRF2S200PZSG			EA	1
	611016	SCREW M3 X 8 POZIPAN SZP	GKN	SEE DRG			EA	2
	611017	SCREW M3 X 16 POZIPAN SZP	GKN	SEE DRG			EA	1
	611027	SCREW M3 X 20 POZIPAN SZP	GKN	SEE DRG			EA	1
	611049	SCREW M4 X 20 POZIPAN SZP	GKN	SEE DRG			EA	4
	613005	WASHER M3 INT SHAKP SZP	GKN	SEE DRG			EA	6
	613009	SOLDER TAG 4 BA BTP	RS COMPONENTS	532-535			EA	2
	613021	WASHER M4 INT SHAKP SZP	GKN	SEE DRG			EA	4
	615002	NUT FULL M3 SZP	GKN	SEE DRG			EA	2


DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS UM	QUANTITY	CHANGES
	615011	NUT FULL M4 SZP	GEN	SEE DRG		EA 4	
	630099	TAPE MASKING 25MM	3M	N230		AR 1	
	630133	HOLE PLUG 1/4" BLK	HEVCO	DP250		EA 6	
	700071-1	SWITCH 1PNO KEY	LORLIN	SEE DRG		EA 1	
	900009	LOCKING COMPOUND	LOCTITE	222		AR 1	
	920086	MAINS INPUT FILTER	CORCOM	6J4		EA 1	
	920098	FUSE 3A 250V 1.25" SLOW BLOW	LITTELFUSE	313003		EA 1	
	920150	FAN 115V AC AXIAL 119MM	ZIERL-EBM	W2S107-AA15-16		EA 1	

End

DRAWING No. LD 400637	CHK'D	
	DATE	
	ECO	
DI WM	REVISION	1.0 21.62.4.5.86
	ISSUE	1.1 22.70.33.486 1.2 22.76.13.6.86 1.3 25.33.5.3.87 1.4 25.51.12.6.87 1.5 26.63.28.0.87 1.6 27.24.10.12.87 1.7 27.51.28.2.87 1.8 29.56.12.8.88 1.9 30.15.5.2.88 1.10 32.72.16.8.89 1.11 34.11.11.5.89 1.12 35.72.23.3.90 1.13 36.59.11.7.90

DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION												
COMPONENT LAYOUT	480637	1	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	1.11	1.12
PARTS LIST	LP400637	ALL	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	1.11	1.12
SCHEMATIC	430637	1	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	1.11	1.12
FUNCTIONAL TEST PROC.	460637/FT	1-2	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	1.11	1.12
FUNCT. TEST TICK LIST	470637/FT	1	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	1.11	1.12
PCB	410245		1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	1.11	1.12

NOTES
 DENOTES NO CHANGE TO DOC AT ISSUE LEVEL CHANGE.



DRN	11	CHK'D	R.K. COGGM	APPR	<i>SR</i>
DATE	20.12.85	DATE	5/3/86	DATE	8.6.86

TITLE	4700 PA (POS) H/S ASSY.
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DRAWING No.	LD 400637
SHEET	1 OF 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R2	008057	RES WW 22K 5% 9W	WELWYN	W23-22K			EA 1	
R3	000101	RES CF 100R 5% .25W	NEOHEM	CFR25 100R 5%	A		EA 5	
R4	000101	RES CF 100R 5% .25W	NEOHEM	CFR25 100R 5%	A		EA -	
R5	000101	RES CF 100R 5% .25W	NEOHEM	CFR25 100R 5%	A		EA -	
R6	000101	RES CF 100R 5% .25W	NEOHEM	CFR25 100R 5%	A		EA -	
R7	008055	RES MF 2R2 1% .6W	PHILLIPS	MRS25-2R2-1			EA 4	
R8	008055	RES MF 2R2 1% .6W	PHILLIPS	MRS25-2R2-1			EA -	
R9	008055	RES MF 2R2 1% .6W	PHILLIPS	MRS25-2R2-1			EA -	
R10	064105	RES CT 1M SIDE ADJ M/T	BECKMAN	89PR1M	A		EA 1	
R11	090155-1	THERMISTOR NTC 10K	DALE-ACI	SEE DRG			EA 2	
R12	090155-1	THERMISTOR NTC 10K	DALE-ACI	SEE DRG			EA -	
R13	008055	RES MF 2R2 1% .6W	PHILLIPS	MRS25-2R2-1			EA -	
R14	008021	RES WW OR47 5% 2.5W	WELWYN	W21-OR47			EA 1	
R15	012743	RES MF 274K 1% .12W 50PPM	MEC	H8 274K 1% 50PPM	A		EA 4	
R16	012743	RES MF 274K 1% .12W 50PPM	MEC	H8 274K 1% 50PPM	A		EA -	
R19	000101	RES CF 100R 5% .25W	NEOHEM	CFR25 100R 5%	A		EA -	
R20	000102	RES CF 1K0 5% .25W	NEOHEM	CFR25 1K0 5%	A		EA 1	
R21	000470	RES CF 47R 5% .25W	NEOHEM	CFR25 47R 5%	A		EA 1	
R22	012743	RES MF 274K 1% .12W 50PPM	MEC	H8 274K 1% 50PPM	A		EA -	
R23	012743	RES MF 274K 1% .12W 50PPM	MEC	H8 274K 1% 50PPM	A		EA -	
C1	110043	CAP PE 10NF 20% 630V	WIMA	MKS4 0.01 20% 630V			EA 1	
C3	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A		EA 1	
C5	102471	CAP CD 470PF 20% 500V N4700	BECK	CD10EM470PMSCR	A		EA 2	
C6	102471	CAP CD 470PF 20% 500V N4700	BECK	CD10EM470PMSCR	A		EA -	
C7	150006	CAP DT 4UF 20% 16V	AVX	TAP475M016F	A		EA 1	
C8	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250			EA 2	
C9	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250			EA -	
C10	110053	CAP PE 47NF 10% 630V	WIMA	MKS4 0.047 10% 630V			EA 4	
C11	110053	CAP PE 47NF 10% 630V	WIMA	MKS4 0.047 10% 630V			EA -	
C12	110053	CAP PE 47NF 10% 630V	WIMA	MKS4 0.047 10% 630V			EA -	
C13	110053	CAP PE 47NF 10% 630V	WIMA	MKS4 0.047 10% 630V			EA -	
C14	150002	CAP DT 10UF 20% 16V	AVX	TAP106M016F	A		EA 1	
D1	210100	DIODE ZN 10V 400mW	PHILLIPS	BZX79C10	A		EA 4	
D2	210100	DIODE ZN 10V 400mW	PHILLIPS	BZX79C10	A		EA -	
D3	210100	DIODE ZN 10V 400mW	PHILLIPS	BZX79C10	A		EA -	
D4	210100	DIODE ZN 10V 400mW	PHILLIPS	BZX79C10	A		EA -	
D5	200020	DIODE FR 1A 1K5V	MOTOROLA	BY339			EA 1	
D6	200001	DIODE GP 75ma 75V	FAIRCHILD	1N4148	A		EA 1	
D8	214027	DIODE ZN 5V0 2% 70PPM	PLESSEY	REF50Z			EA 1	
D9	214012	DIODE ZN 2V45 2.8% 150PPM	FERRANTI	ZN458	A		EA 1	
Q1	239067-1	TRAN MOSFET N-CHAN PAIR	DATRON	SEE DRG			S2 2	
Q2	239067-1	TRAN MOSFET N-CHAN PAIR	DATRON	SEE DRG			S2 -	
Q3	239067-1	TRAN MOSFET N-CHAN PAIR	DATRON	SEE DRG			S2 -	
Q4	239067-1	TRAN MOSFET N-CHAN PAIR	DATRON	SEE DRG			S2 -	
Q5	240021	TRAN NPN	MOTOROLA	BD135			EA 1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
Q6	240001	TRAN NPN	MOTOROLA	BC184	A	EA	2	
Q7	250001	TRAN PNP	MOTOROLA	BC214	A	EA	1	
Q8	240001	TRAN NPN	MOTOROLA	BC184	A	EA	-	
Q9	230055	TRAN JFET I LIM 430uA	SILICONIX	J502		EA	1	
M1	260048	IC LIN OP AMP CMOS	INTERSIL	ICL7611 DCPA		EA	1	
J1	605052	HOUSING 8-WAY .1"	MOLEX	6471 SERIES 22-01-20		EA	1	
J3	605053	SOCKET HOUSING 12-WAY .1"PTCH	MOLEX	22-01-2125		EA	1	
	410245-5	PCS PA POS HEATSINK 4700	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	420080-1	LABEL DANGER HIGH VOLTAGE	BRADY	SEE DRG		EA	2	
	420098	LABEL SERIAL/ASSY No	RS COMPONENTS	554-793		EA	1	
	420112-1	LABEL SSD WARNING 1.2 X 12mm	TEKNTS	LN1212	A	EA	1	
	450454-1	HEATSINK 64MM 4700	ADVANCE	SEE DRG		EA	1	
	450455-1	HEATSINK 91MM 4700	ADVANCE	SEE DRG		EA	1	
	512000	WIRE 7/.2 PTFE 1KV BLK	BICC	SEE DRG		AR	1	
	512111	WIRE 7/.2 PTFE 1KV BRN	BICC	SEE DRG		AR	1	
	512222	WIRE 7/.2 PTFE 1KV RED	BICC	SEE DRG		AR	1	
	512333	WIRE 7/.2 PTFE 1KV ORG	BICC	SEE DRG		AR	1	
	512444	WIRE 7/.2 PTFE 1KV YLW	BICC	SEE DRG		AR	1	
	512555	WIRE 7/.2 PTFE 1KV GRN	BICC	SEE DRG		AR	1	
	512666	WIRE 7/.2 PTFE 1KV BLU	BICC	SEE DRG		AR	1	
	512777	WIRE 7/.2 PTFE 1KV VLT	BICC	SEE DRG		AR	1	
	512888	WIRE 7/.2 PTFE 1KV GRY	BICC	SEE DRG		AR	1	
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG		AR	1	
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG		AR	1	
	560001	CABLE 2-CORE 7/.2 PVC SC	RS COMPONENTS	367-527		AR	1	
	590001	SLEEVE NP 1.5 X 20MM BLK	HELLERMANN	H15 X 20MM BLK		EA	6	
	590002	SLEEVE NP 3 X 25MM BLK	HELLERMANN	H30 X 25MM BLK		EA	3	
	590004	SLEEVE PTFE 1mm BLK	HELLERMANN	FE10BK		AR	1	
	590033	SLEEVE NP 5 X 25MM BLK	HELLERMANN	H50 X 25MM BLK		EA	1	
	590076	SOLDER SLEEVE DIAM.7.3	RAYFAST	CWT-7		EA	2	
	605057-1	CRIMP TERM .100 GD PL REEL	MOLEX	08-56-0120 TO DRG		EA	12	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	1	
	605118-1	SOCKET PCB 1.02MM DIA	CAMBION	SEE DRG		EA	8	
	611006	SCREW M3 X 10 POZIPAN SZP	GKN	SEE DRG		EA	8	
	611027	SCREW M3 X 20 POZIPAN SZP	GKN	SEE DRG		EA	4	
	612004-1	STANDOFF M3 X 4	SWIFT ENGINEERING	SEE DRG		EA	8	
	613007	WASHER M3 PLAIN SZP	GKN	SEE DRG		EA	4	
	613017	WASHER M3 PLAIN NYL	PLASTIC SCREWS	SEE DRG		EA	1	
	613029	WASHER M3 CRINKLE SS	GKN	SEE DRG		EA	16	
	614001-1	SPACER M3 CLEAR X 4	SWIFT ENGINEERING	SEE DRG		EA	4	
	615002	NUT FULL M3 SZP	GKN	SEE DRG		EA	4	
	620003	PIN SOLDER	MILL-MAX	3130200010000080		EA	12	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	4	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2/D0006		EA	2	
	630126	CLIP 'P' 7.9	RICHCO	N5		EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
FBI	900003	HEATSINK COMPOUND	RS COMPONENTS	554-311		AR	1	
	920145	BEAD FERRITE	PHILIPS	FX4026	A	EA	1	

End

DRAWING No. LD400648		CHK'D	DATE	ECC	REVISION	ISSUE																	
DI WM		1.0	1.1	1.2	1.3	1.4	1.5	1.6															
DESCRIPTION		DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION																			
COMP. LAYOUT	480648	1	1.0	1.1	1.2	1.3	1.4	1.5															
PARTS LIST	LP400648	ALL	1.0	1.1	1.2	1.3	1.4	1.5															
SCHEMATIC	430648	1	1.0	1.1	1.2	1.3	1.4	1.5															
SCHEMATIC	430648	2	1.0	1.1	1.2	1.3	1.4	1.5															
SCHEMATIC	430648	3	1.0	1.1	1.2	1.3	1.4	1.5															
SCHEMATIC	430648	4	1.0	1.1	1.2	1.3	1.4	1.5															
FUNCTIONAL TEST PROC.	480648/FT		1.0	1.1	1.2	1.3	1.4	1.5															
FUNCT. TEST TCK LIST	470648/FT	1	1.0	1.1	1.2	1.3	1.4	1.5															
PCB	410264	1	1.0	1.1	1.2	1.3	1.4	1.5															
NOTES			INDICATES NO CHANGE TO DOCS AT ISSUE LEVEL CHANGE					datron INSTRUMENTS NORWICH ENGLAND		DRH B. JACKSON	CHK'D R. J. COOPER	APP'D [Signature]	TITLE 4700	DRAWING NO. LD400648									
										DATE 9/1/86	DATE 10/5/86	DATE 11.5.91	ANALOG. INTERFACE ASSY	SHEET 1 OF 1									

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB ANALOGUE INTF 4700 DRG NO: LP400648-1 REV: 6 PAGE NO: 1





DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	008031	RES MF 100R 5% 1.5W	PHILIPS	PR37-100R-5			EA 2	
R2	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A		EA 8	
R3	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A		EA -	
R4	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A		EA -	
R5	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A		EA -	
R6	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A		EA -	
R7	000472	RES CF 470K 5% .25W	NEOHM	CFR25 470K 5%	A		EA 2	
R8	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A		EA -	
R9	000273	RES CF 27K 5% .25W	NEOHM	CFR25 27K 5%	A		EA 1	
R10	000474	RES CF 470K 5% .25W	NEOHM	CFR25 470K 5%	A		EA -	
R11	011212	RES MF 12K1 1% .12W 50PPM	MFC	H8 12K1 1% 50PPM	A		EA 1	
R12	012492	RES MF 24K9 1% .12W 50PPM	MFC	H9 24K9 1% 50PPM	A		EA 1	
R13	000153	RES CF 15K 5% .25W	NEOHM	CFR25 15K 5%	A		EA 1	
R14	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A		EA 8	
R15	008031	RES MF 100R 5% 1.5W	PHILIPS	PR37-100R-5			EA -	
R16	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A		EA 1	
R19	000821	RES CF 820R 5% .25W	NEOHM	CFR25 820R 5%	A		EA 1	
R20	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A		EA -	
R21	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A		EA -	
R22	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A		EA -	
R23	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A		EA -	
R24	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A		EA -	
R25	000331	RES CF 330R 5% .25W	NEOHM	CFR25 330R 5%	A		EA 1	
R26	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A		EA -	
R27	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A		EA 2	
R28	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A		EA -	
R29	000561	RES CF 560R 5% .25W	NEOHM	CFR25 560R 5%	A		EA 4	
R30	000561	RES CF 560R 5% .25W	NEOHM	CFR25 560R 5%	A		EA -	
R31	000561	RES CF 560R 5% .25W	NEOHM	CFR25 560R 5%	A		EA -	
R32	000561	RES CF 560R 5% .25W	NEOHM	CFR25 560R 5%	A		EA -	
R33	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A		EA 1	
R34	000154	RES CF 150K 5% .25W	NEOHM	CFR25 150K 5%	A		EA 1	
R35	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A		EA -	
R36	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A		EA -	
R37	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A		EA -	
AN1	090079	RES NTWK 5K6 X 8 2%	BECKMAN	LO9-1S-R5K6	A		EA 2	
AN2	090079	RES NTWK 5K6 X 8 2%	BECKMAN	LO9-1S-R5K6	A		EA -	
C1	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A		EA 46	
C2	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A		EA -	
C3	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A		EA -	
C4	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A		EA -	
C5	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A		EA -	
C6	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A		EA -	
C7	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A		EA -	
C8	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A		EA -	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C9	100221	CAP CP 220PF 2% 100V	PHILIPS	2222 683 58221			EA	1
C10	100272	CAP CP 2N7F 10% 100V	PHILIPS	2222 630 19272			EA	1
C11	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C12	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C13	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C14	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C15	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C16	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C17	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C18	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C19	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C20	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C21	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C22	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C23	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C24	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C25	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C26	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C27	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C28	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C29	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A		EA	2
C30	100182	CAP CP 1N8F 10% 100V	PHILIPS	2222 630 19182			EA	1
C31	100331	CAP CP 330PF 2% 100V	PHILIPS	2222 683 58331			EA	2
C32	150012	CAP DT 100NF 20% 35V	AVX	TAP104M035F	A		EA	1
C33	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C34	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C35	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C36	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C37	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C38	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C39	102220	CAP CD 22PF 10% 500V M150	BECK	CD08PG22P0KSCR	A		EA	1
C40	102330	CAP CD 33PF 5% 500V NPO	MURATA	DD07-69CH330J500	A		EA	1
C41	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C42	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C43	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C44	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C45	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C46	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C47	150024	CAP DT 47UF 20% 16V	AVX	TAP47M016F	A		EA	1
C48	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C49	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C50	100331	CAP CP 330PF 2% 100V	PHILIPS	2222 683 58331			EA	-
C51	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C52	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C53	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C54	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C55	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C59	110042	CAP PE 100NF 20% 63V	WIMA	MS2 0.1 20% 63V			EA	1
C60	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A		EA	-
C61	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A		EA	-
C62	104041	CAP CD 10NF 25% 250V	BECK	CD10K310N0ESCR			EA	1
D1	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A		EA	2
D2	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A		EA	-
Q1	240014	TRAN NPN TO92	MOTOROLA	BC337	A		EA	1
M1	270050	IC DIG INV X6	NATIONAL	DM74LS04N			EA	1
M2	280008	IC DIG NAND2 X4	MOTOROLA	MC14011BCP			EA	1
M3	280011	IC DIG FLIP FLOP D X2	MOTOROLA	MC14013BCP	A		EA	2
M4	280059	IC DIG COUNT4 SYNC BIN X2	MOTOROLA	MC14520BCP	A		EA	1
M5	280037	IC DIG BUFF X6	MOTOROLA	MC14050BCP			EA	1
M6	270048	IC DIG NAND2 X4	NATIONAL	DM74LS00N			EA	2
M7	270072	IC DIG NOR2 X4	NATIONAL	DM74LS02N			EA	2
M8	270002	IC DIG NAND2 QUAD OC	NATIONAL	DM7401N			EA	2
M9	270094	IC DIG RECEIVER DIFF LINE DUAL	TEXAS	SN75182N	A		EA	1
M10	270076	IC DIG MONO RETRIG X2	NATIONAL	DM74LS123N			EA	1
M11	270095	IC DIG COUNT4 ASYNC DEC X2	NATIONAL	DM74LS390N			EA	2
M12	270072	IC DIG NOR2 X4	NATIONAL	DM74LS02N			EA	-
M13	270055	IC DIG NAND4 X2	NATIONAL	DM74LS20N			EA	1
M14	270075	IC DIG FLIP FLOP D X2	NATIONAL	DM74LS74N			EA	1
M15	280095	IC DIG COUNT4 SYNC BIN PL	PHILIPS	HEF40163BP	S		EA	3
M16	280095	IC DIG COUNT4 SYNC BIN PL	PHILIPS	HEF40163BP	S		EA	-
M17	280095	IC DIG COUNT4 SYNC BIN PL	PHILIPS	HEF40163BP	S		EA	-
M18	270096	IC DIG MUX 4:1 X2	NATIONAL	DM74LS153N			EA	1
M19	280093	IC DIG EOR2 X4	MOTOROLA	MC14070BCP			EA	6
M20	280093	IC DIG EOR2 X4	MOTOROLA	MC14070BCP			EA	-
M21	280093	IC DIG EOR2 X4	MOTOROLA	MC14070BCP			EA	-
M22	270074	IC DIG NOR3 X3	NATIONAL	DM74LS27N			EA	3
M23	270074	IC DIG NOR3 X3	NATIONAL	DM74LS27N			EA	-
M24	270074	IC DIG NOR3 X3	NATIONAL	DM74LS27N			EA	-
M25	280093	IC DIG EOR2 X4	MOTOROLA	MC14070BCP			EA	-
M26	280093	IC DIG EOR2 X4	MOTOROLA	MC14070BCP			EA	-
M27	280093	IC DIG EOR2 X4	MOTOROLA	MC14070BCP			EA	-
M28	270095	IC DIG COUNT4 ASYNC DEC X2	NATIONAL	DM74LS390N			EA	-
M29	280068	IC DIG MONO RETRIG PREC	MOTOROLA	MC14538BCP	A		EA	1
M30	280145	IC DIG PHASE LOCKED LOOP	MOTOROLA	MC14046B	A		EA	1
M31	280015	IC DIG FLIP FLOP4 D 3S MR	MOTOROLA	MC14076BCP	A		EA	7
M32	280015	IC DIG FLIP FLOP4 D 3S MR	MOTOROLA	MC14076BCP	A		EA	-
M33	280015	IC DIG FLIP FLOP4 D 3S MR	MOTOROLA	MC14076BCP	A		EA	-
M34	280015	IC DIG FLIP FLOP4 D 3S MR	MOTOROLA	MC14076BCP	A		EA	-
M35	270073	IC DIG AND2 OC X4	NATIONAL	DM74LS09N			EA	2
M36	270073	IC DIG AND2 OC X4	NATIONAL	DM74LS09N			EA	-

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
M37	280015	IC DIG FLIP FLOP4 D 3S MR	MOTOROLA	MC14076BCP	A	EA	-	
M38	280015	IC DIG FLIP FLOP4 D 3S MR	MOTOROLA	MC14076BCP	A	EA	-	
M39	280015	IC DIG FLIP FLOP4 D 3S MR	MOTOROLA	MC14076BCP	A	EA	-	
M40	270036	IC DIG MONOSTABLE	NATIONAL	DM74121N		EA	1	
M41	270057	IC DIG FLIP FLOP JK X2	NATIONAL	DM74LS76N		EA	2	
M42	270057	IC DIG FLIP FLOP JK X2	NATIONAL	DM74LS76N		EA	-	
M43	270048	IC DIG NAND2 X4	NATIONAL	DM74LS00N		EA	-	
M44	280094	IC DIG SERIAL DATA ADAPTOR	MOTOROLA	MC6852P		EA	1	
M45	280024	IC DIG BUFF6 3S	MOTOROLA	MC14503BCP	A	EA	1	
M46	270002	IC DIG NAND2 QUAD OC	NATIONAL	DM7401N		EA	-	
M47	280038	IC DIG FLIP FLOP6 D MR	MOTOROLA	MC14174BCP		EA	4	
M48	280038	IC DIG FLIP FLOP6 D MR	MOTOROLA	MC14174BCP		EA	-	
M49	280011	IC DIG FLIP FLOP6 D X2	MOTOROLA	MC14013BCP	A	EA	-	
M50	280105	IC DIG NAND8	MOTOROLA	MC14068BCP		EA	1	
M51	280038	IC DIG FLIP FLOP6 D MR	MOTOROLA	MC14174BCP		EA	-	
M52	280038	IC DIG FLIP FLOP6 D MR	MOTOROLA	MC14174BCP		EA	-	
M53	270086	IC DIG COUNTER BIN4 LS	NATIONAL	DM74LS93N		EA	1	
M54	280023	IC DIG NOR2 QUAD	MOTOROLA	MC14001UBCP		EA	1	
M55	290149	IC DIG CMOS TIMER	INTERSIL	ICM7555 1PA		EA	1	
T1	310003	TRANSF PULSE	NEWPORT	76610/1		EA	1	
X1	800029	CRYSTAL OSC 4.096MHZ	IQD	IQXO-100		EA	1	
	410264-2	PCB ANALOGUE INTERFACE 4700	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG		AR	1	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	27	
	630117	PCB EJECTOR BROWN	RICHCO	CBE-12		EA	2	
	630243	BEAD GLASS 2.4 X 0.61 X 1.8	MANSOL PREFORMS LT	M5363B/3		EA	92	
	900004	SILICONE RUBBER COMPOUND	RS COMPONENTS	555-588		AR	1	

End

DRAWING No. LD400651		CHK'D	1.0 2162 4.3.86	1.1 2575 21.4.87	1.2 2607 23.6.87	1.3 2683 10.08.87	1.4 3004 23.8.88	1.5 3317 18.4.89	1.6 3713 20.09.89	1.7 3755 21.08.91	1.8 3804 24.08.91	1.9 3920 25.09.91
DI WM		DATE										
		ECO										
		REVISION										
		ISSUE										
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION									
COMP LAYOUT	400651	1	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7		
PARTS LIST	LP400651	ALL								1.9		
NOTES												
					 DATE 22.1.01	 DATE 29.01	 DATE 00.07.01	TO LF 4700 TRANSFORMER ASSY	DRAWING No. LD400651			

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY TRANSF LF DRG NO: LP400651-1 REV: 9 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	008086	RES WW 39K 5% 50W	CGS	HSA50				EA 1
	300025-3	TRANSF LF OUTPUT 4700	SIGA	SEE DRG				EA 1
	450402-3	PLATE MTC LF TX 4700	ADVANCE	SEE DRG				EA 1
	450405-1	BAR SUPPORT PLATE LF TX 4700	TUENOL	SEE DRG				EA 2
	450408-1	BRACKET CONN MTC 4700	ADVANCE	SEE DRG				EA 1
	512000	WIRE 7/.2 PTFE 1KV BLK	BICC	SEE DRG				AR 1
	512111	WIRE 7/.2 PTFE 1KV BRN	BICC	SEE DRG				AR 1
	512220	WIRE 7/.2 PTFE 1KV RED/BLK	BICC	SEE DRG				AR 1
	512222	WIRE 7/.2 PTFE 1KV RED	BICC	SEE DRG				AR 1
	512225	WIRE 7/.2 PTFE 1KV RED/GRN	BICC	SEE DRG				AR 1
	512226	WIRE 7/.2 PTFE 1KV RED/BLU	BICC	SEE DRG				AR 1
	512330	WIRE 7/.2 PTFE 1KV ORG/BLK	BICC	SEE DRG				AR 1
	512333	WIRE 7/.2 PTFE 1KV ORG	BICC	SEE DRG				AR 1
	512444	WIRE 7/.2 PTFE 1KV YLW	BICC	SEE DRG				AR 1
	512555	WIRE 7/.2 PTFE 1KV GRN	BICC	SEE DRG				AR 1
	512666	WIRE 7/.2 PTFE 1KV BLU	BICC	SEE DRG				AR 1
	512777	WIRE 7/.2 PTFE 1KV VLT	BICC	SEE DRG				AR 1
	512888	WIRE 7/.2 PTFE 1KV GRY	BICC	SEE DRG				AR 1
	512992	WIRE 7/.2 PTFE 1KV WHT/RED	BICC	SEE DRG				AR 1
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG				AR 1
	513001	WIRE 7/.2 PTFE 1KV PNK	BICC	SEE DRG				AR 1
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG				AR 1
	560012	CABLE COAX 1/0.6 93-OHM BLK	BICC	RG62R/U				AR 1
	590003	SLEEVE HS 6.4mm YLW	RS COMPONENTS	399-524				AR 1
	590006	SLEEVE HS 2.4mm YLW	RS COMPONENTS	399-495				AR 1
	590031	SLEEVE HS 3.2mm YLW	RS COMPONENTS	399-502				AR 1
	605051	HOUSING 4-WAY	MOLEX	6471 SERIES 22-01-20				EA 1
	605052	HOUSING 8-WAY .1"	MOLEX	6471 SERIES 22-01-20				EA 1
	605057-1	CRIMP TERM .100 GD PL REEL	MOLEX	08-56-0120 TO DRG				EA 4
	605116-2	SOCKET PCB 64-WAY (2 X 32)	DOWTY INTERCONNECT	SEE DRG				EA 1
	611007	SCREW M3 X 6 POZICSK SZP	GKN	SEE DRG				EA 7
	611015	SCREW M3 X 8 POZICSK SZP	GKN	SEE DRG				EA 2
	611016	SCREW M3 X 8 POZIPAN SZP	GKN	SEE DRG				EA 3
	611081-2	SCREW M5 X 12	PSM FASTENERS LTD	SEE DRG				EA 2
	613005	WASHER M3 INT SHAKP SZP	GKN	SEE DRG				EA 6
	613007	WASHER M3 PLAIN SZP	GKN	SEE DRG				EA 1
	613009	SOLDER TAG 4 BA BTP	RS COMPONENTS	532-535				EA 1
	613028	WASHER M5 INT SHAKP SZP	GKN	SEE DRG				EA 2
	615002	NUT FULL M3 SZP	GKN	SEE DRG				EA 3
	630004	CLIP 'P' 6.4	SES	CNG				EA 1
	630170	PCB GUIDE	RICHCO	RCG-2				EA 2
	900003	HEATSINK COMPOUND	RS COMPONENTS	554-311				AR 1
	900009	LOCKING COMPOUND	LOCTITE	222				AR 1

End

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R47	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R48	011000	RES MF 100R 1% .12W 50PPM	MEC	H8 100R 1% 50PPM	A	EA	-	
R49	014320	RES MF 432R 1% .12W 50PPM	MEC	H8 432R 1% 50PPM	A	EA	-	
R50	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R51	014320	RES MF 432R 1% .12W 50PPM	MEC	H8 432R 1% 50PPM	A	EA	-	
R52	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R53	011000	RES MF 100R 1% .12W 50PPM	MEC	H8 100R 1% 50PPM	A	EA	-	
R54	014320	RES MF 432R 1% .12W 50PPM	MEC	H8 432R 1% 50PPM	A	EA	-	
R55	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R56	000474	RES CF 470K 5% .25W	NEOHM	CFR25 470K 5%	A	EA	1	
R57	000184	RES CF 180K 5% .25W	NEOHM	CFR25 180K 5%	A	EA	1	
R58	013742	RES MF 37K4 1% .12W 50PPM	MEC	H8 37K4 1% 50PPM	A	EA	1	
R59	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R60	000338	RES CF 3R3 5% .25W	NEOHM	CFR25 3R3 5%	A	EA	1	
R61	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	2	
R62	018872	RES MF 88K7 1% .12W 50PPM	MEC	H8 88K7 1% 50PPM	A	EA	1	
R63	017872	RES MF 78K7 1% .12W 50PPM	MEC	H8 78K7 1% 50PPM	A	EA	2	
R64	070144	RES WW 36K0 .01% 5PPM	VISHAY MANN	MX125B				EA 1
R65	070142	RES WW 12K0 .01% 5PPM	VISHAY MANN	MX125B				EA 2
R66	017872	RES MF 78K7 1% .12W 50PPM	MEC	H8 78K7 1% 50PPM	A	EA	-	
R67	000912	RES CF 9K1 5% .25W	NEOHM	CFR25 9K1 5%	A	EA	1	
R72	000682	RES CF 6K8 5% .25W	NEOHM	CFR25 6K8 5%	A	EA	2	
R73	000272	RES CF 2K7 5% .25W	NEOHM	CFR25 2K7 5%	A	EA	-	
R74	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	3	
R75	011183	RES MF 118K 1% .12W 50PPM	MEC	H8 118K 1% 50PPM	A	EA	1	
R76	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	4	
R77	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	-	
R78	012672	RES MF 26K7 1% .12W 50PPM	MEC	H8 26K7 1% 50PPM	A	EA	1	
R79	080032	RES MF 78K7 0.1% 10PPM	VISHAY MANN	V53C5 78K700 0.1%				EA 1
R80	070143	RES WW 16K0 .01% 5PPM	VISHAY MANN	MX125B				EA 1
R81	070142	RES WW 12K0 .01% 5PPM	VISHAY MANN	MX125B				EA -
R84	012212	RES MF 22K1 1% .12W 50PPM	MEC	H8 22K1 1% 50PPM	A	EA	2	
R85	013162	RES MF 31K6 1% .12W 50PPM	MEC	H8 31K6 1% 50PPM	A	EA	1	
R86	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R90	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R91	011182	RES MF 11K8 1% .12W 50PPM	MEC	H8 11K8 1% 50PPM	A	EA	1	
R92	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	-	
R93	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	-	
R94	014532	RES MF 45K3 1% .12W 50PPM	MEC	H8 45K3 1% 50PPM	A	EA	1	
R95	011402	RES MF 14K0 1% .12W 50PPM	MEC	H8 14K0 1% 50PPM	A	EA	1	
R96	019531	RES MF 9K53 1% .12W 50PPM	MEC	H8 9K53 1% 50PPM	A	EA	1	
R98	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	4	
R99	070156	RES WW 555K41 .01% 5PPM	VISHAY MANN	AX175B				EA 1
R100	070145	RES WW 475R .01% 5PPM	VISHAY MANN	AX175B				EA 1
R101	012212	RES MF 22K1 1% .12W 50PPM	MEC	H8 22K1 1% 50PPM	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R102	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	4	
R103	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R104	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R105	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R106	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R107	000393	RES CF 39K 5% .25W	NEOHM	CFR25 39K 5%	A	EA	4	
R108	012001	RES MF 2K00 1% .12W 50PPM	MEC	H8 2K00 1% 50PPM	A	EA	4	
R109	011302	RES MF 13K0 1% .12W 50PPM	MEC	H8 13K0 1% 50PPM	A	EA	4	
R110	012001	RES MF 2K00 1% .12W 50PPM	MEC	H8 2K00 1% 50PPM	A	EA	-	
R111	000393	RES CF 39K 5% .25W	NEOHM	CFR25 39K 5%	A	EA	-	
R112	011302	RES MF 13K0 1% .12W 50PPM	MEC	H8 13K0 1% 50PPM	A	EA	-	
R113	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R114	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R115	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R116	000222	RES CF 2K2 5% .25W	NEOHM	CFR25 2K2 5%	A	EA	1	
R118	006132	RES MO 1K3 2% 1W	E-SIL COMPONENTS	FP1 1K3 2%				EA 2
R119	006132	RES MO 1K3 2% 1W	E-SIL COMPONENTS	FP1 1K3 2%				EA -
R120	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R121	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R122	000823	RES CF 82K 5% .25W	NEOHM	CFR25 82K 5%	A	EA	1	
R123	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R124	000152	RES CF 1K5 5% .25W	NEOHM	CFR25 1K5 5%	A	EA	2	
R125	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R126	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R127	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R128	012001	RES MF 2K00 1% .12W 50PPM	MEC	H8 2K00 1% 50PPM	A	EA	-	
R129	011302	RES MF 13K0 1% .12W 50PPM	MEC	H8 13K0 1% 50PPM	A	EA	-	
R130	012001	RES MF 2K00 1% .12W 50PPM	MEC	H8 2K00 1% 50PPM	A	EA	-	
R131	011302	RES MF 13K0 1% .12W 50PPM	MEC	H8 13K0 1% 50PPM	A	EA	-	
R132	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R133	000682	RES CF 6K8 5% .25W	NEOHM	CFR25 6K8 5%	A	EA	-	
R134	000821	RES CF 820R 5% .25W	NEOHM	CFR25 820R 5%	A	EA	2	
R135	000821	RES CF 820R 5% .25W	NEOHM	CFR25 820R 5%	A	EA	-	
R136	000393	RES CF 39K 5% .25W	NEOHM	CFR25 39K 5%	A	EA	-	
R137	000393	RES CF 39K 5% .25W	NEOHM	CFR25 39K 5%	A	EA	-	
R138	000220	RES CF 22R 5% .25W	NEOHM	CFR25 22R 5%	A	EA	2	
R139	000220	RES CF 22R 5% .25W	NEOHM	CFR25 22R 5%	A	EA	-	
R140	000152	RES CF 1K5 5% .25W	NEOHM	CFR25 1K5 5%	A	EA	-	
R141	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R142	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R143	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R144	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R145	000202	RES CF 2K0 5% .25W	NEOHM	CFR25 2K0 5%	A	EA	-	
R146	000303	RES CF 30K 5% .25W	NEOHM	CFR25 30K 5%	A	EA	1	
R147	000155	RES CF 1M5 5% .25W	NEOHM	CFR25 1M5 5%	A	EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R148	000273	RES CF 27K 5% .25W	NEOHM	CFR25 27K 5%	A	EA	1	
R161	000201	RES CF 200R 5% .25W	NEOHM	CFR25 200R 5%	A	EA	1	
R162	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	1	
AN1	090031	RES NTRK 1K X 7 2%	BECKMAN	LO9-1S-RLK	A	EA	1	
AN2	090096	RES NTRK 1M X 8 2%	BECKMAN	LO9-1S-RLM	A	EA	2	
AN3	090096	RES NTRK 1M X 8 2%	BECKMAN	LO9-1S-RLM	A	EA	-	
C1	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	23	
C2	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C3	150003	CAP DT 47UF 20% 63V	AVX	TAP476M006F	A	EA	1	
C4	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	1	
C6	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C7	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	4	
C8	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C9	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C10	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C11	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C12	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C13	102101	CAP CD 100PF 20% 500V NPO	BECK	CD10WK100PMSCR	A	EA	1	
C14	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C15	110013	CAP PE 100NF 10% 250V	PHILIPS	2222 368 45104	A	EA	2	
C16	110013	CAP PE 100NF 10% 250V	PHILIPS	2222 368 45104	A	EA	-	
C17	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C18	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C19	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C20	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C21	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C22	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C23	140016	CAP PP 470NF 5% 250V	EVOX	PMR22.5 474J250L4	TR	EA	10	
C24	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	3	
C25	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C26	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C27	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C28	140016	CAP PP 470NF 5% 250V	EVOX	PMR22.5 474J250L4	TR	EA	-	
C30	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C31	140016	CAP PP 470NF 5% 250V	EVOX	PMR22.5 474J250L4	TR	EA	-	
C32	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C33	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	8	
C34	180015	CAP AE 470UF 25V	PHILIPS	2222 032 16471	A	EA	1	
C35	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C38	110030	CAP PE 1NF 20% 100V	WIMA	FKS2 1000 20% 100V	A	EA	3	
C39	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C40	102270	CAP CD 27PF 20% 500V NPO	BECK	CD10CG27POMSCR	A	EA	2	
C41	140016	CAP PP 470NF 5% 250V	EVOX	PMR22.5 474J250L4	TR	EA	-	
C42	140016	CAP PP 470NF 5% 250V	EVOX	PMR22.5 474J250L4	TR	EA	-	
C43	140016	CAP PP 470NF 5% 250V	EVOX	PMR22.5 474J250L4	TR	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C44	140016	CAP PP 470NF 5% 250V	EVOX	PMR22.5 474J250L4	TR	EA	-	
C45	102270	CAP CD 27PF 20% 500V NPO	BECK	CD10CG27POMSCR	A	EA	-	
C46	140016	CAP PP 470NF 5% 250V	EVOX	PMR22.5 474J250L4	TR	EA	-	
C47	140016	CAP PP 470NF 5% 250V	EVOX	PMR22.5 474J250L4	TR	EA	-	
C48	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C49	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C50	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C51	140044	CAP PP 10NF 20% 400V	SREATITE	MKP 1841-310/40 6	A	EA	1	
C52	110050	CAP PE 22NF 10% 63V	WIMA	MKS2 0.022 10% 63V	A	EA	2	
C53	140016	CAP PP 470NF 5% 250V	EVOX	PMR22.5 474J250L4	TR	EA	-	
C54	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	4	
C55	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C56	110039	CAP PE 470NF 20% 63V	WIMA	MKS2 0.47 20% 63V	A	EA	3	
C57	110039	CAP PE 470NF 20% 63V	WIMA	MKS2 0.47 20% 63V	A	EA	-	
C58	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	-	
C59	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C61	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C62	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C63	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C64	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C65	102221	CAP CD 220PF 10% 500V N3300	BECK	CD10DL220PMSCR	A	EA	2	
C66	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C67	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C68	110050	CAP PE 22NF 10% 63V	WIMA	MKS2 0.022 10% 63V	A	EA	-	
C69	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	-	
C70	110039	CAP PE 470NF 20% 63V	WIMA	MKS2 0.47 20% 63V	A	EA	-	
C71	110030	CAP PE 1NF 20% 100V	WIMA	FKS2 1000 20% 100V	A	EA	-	
C72	110030	CAP PE 1NF 20% 100V	WIMA	FKS2 1000 20% 100V	A	EA	-	
C73	102221	CAP CD 220PF 10% 500V N3300	BECK	CD10DL220PMSCR	A	EA	-	
C74	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	-	
C75	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	-	
C76	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C94	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250	A	EA	2	
C95	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250	A	EA	-	
D1	210027	DIODE ZN 2V7 400mW	PHILIPS	BZX79C2V7	A	EA	4	
D2	210120	DIODE ZN 12V 400mW	PHILIPS	BZX79C12	A	EA	1	
D3	210027	DIODE ZN 2V7 400mW	PHILIPS	BZX79C2V7	A	EA	-	
D5	210027	DIODE ZN 2V7 400mW	PHILIPS	BZX79C2V7	A	EA	-	
D6	210027	DIODE ZN 2V7 400mW	PHILIPS	BZX79C2V7	A	EA	-	
D7	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	5	
D8	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D9	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D10	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	1	
D11	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D14	210062	DIODE ZN 6V2 400mW	PHILIPS	BZX79C6V2	A	EA	2	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
D15	210062	DIODE ZN 6V2 400mW	PHILIPS	BZX79C6V2	A	EA	-	
D18	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	9	
D19	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D20	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D21	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D22	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D23	210056	DIODE ZN 5V6 400mW	PHILIPS	BZX79C5V6	A	EA	2	
D24	210056	DIODE ZN 5V6 400mW	PHILIPS	BZX79C5V6	A	EA	-	
D25	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	1	
D26	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D27	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D28	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D29	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D30	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
Q1	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	13	
Q2	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	14	
Q3	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q4	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q5	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q6	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q7	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q8	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q9	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q10	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q11	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q12	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q19	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q20	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q21	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q22	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q23	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q24	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q25	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q26	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q27	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q28	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q29	230039	TRAN JFET P-CHAN	SILICONIX	J175	A	EA	2	
Q30	230039	TRAN JFET P-CHAN	SILICONIX	J175	A	EA	-	
Q31	230038	TRAN JFET N-CHAN	SILICONIX	J112	A	EA	1	
Q32	239037-1	TRAN JFET SET N-CHAN J108 X 4	DATRON	SEE DRG			54	1
Q33	230048	TRAN JFET P-CHAN	SILICONIX	J174	A	EA	2	
Q34	239037-1	TRAN JFET SET N-CHAN J108 X 4	DATRON	SEE DRG			54	-
Q35	239037-1	TRAN JFET SET N-CHAN J108 X 4	DATRON	SEE DRG			54	-
Q36	230048	TRAN JFET P-CHAN	SILICONIX	J174	A	EA	-	
Q37	239037-1	TRAN JFET SET N-CHAN J108 X 4	DATRON	SEE DRG			54	-

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
Q40	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q41	230031	TRAN JFET N-CHAN DUAL	SILICONIX	U404	A	EA	4	
Q42	230031	TRAN JFET N-CHAN DUAL	SILICONIX	U404	A	EA	-	
Q43	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q44	230031	TRAN JFET N-CHAN DUAL	SILICONIX	U404	A	EA	-	
Q45	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q46	230042	TRAN JFET I LIM 3mA	SILICONIX	J509	A	EA	2	
Q47	230042	TRAN JFET I LIM 3mA	SILICONIX	J509	A	EA	-	
Q48	250021	TRAN PNP	MOTOROLA	BD140	A	EA	1	
Q49	240031	TRAN NPN	MOTOROLA	BD139	A	EA	1	
Q51	230031	TRAN JFET N-CHAN DUAL	SILICONIX	U404	A	EA	-	
Q52	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q53	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
M1	220027	OPTO ISOL HIGH CMR	HP	HCPL2601	A	EA	7	
M3	220027	OPTO ISOL HIGH CMR	HP	HCPL2601	A	EA	-	
M4	220017-3	OPTO ISOL DUAL	ISOCOM	SEE DRG	A	EA	1	
M6	220027	OPTO ISOL HIGH CMR	HP	HCPL2601	A	EA	-	
M7	220027	OPTO ISOL HIGH CMR	HP	HCPL2601	A	EA	-	
M8	220027	OPTO ISOL HIGH CMR	HP	HCPL2601	A	EA	-	
M9	220027	OPTO ISOL HIGH CMR	HP	HCPL2601	A	EA	-	
M10	280068	IC DIG MONO RTRIG PREC	MOTOROLA	MC14538BCP	A	EA	1	
M11	280037	IC DIG BUFF X6	MOTOROLA	MC14050BCP	A	EA	1	
M12	260025	IC LIN OP AMP	NATIONAL	LM101AH	A	EA	3	
M13	280011	IC DIG FLIP FLOP D X2	MOTOROLA	MC14013BCP	A	EA	2	
M14	280009	IC DIG INV X6	MOTOROLA	MC14049UBCP	A	EA	1	
M15	280089	IC DIG SHIFTR8 LATCH8 3S	MOTOROLA	MC14094BCP	A	EA	6	
M16	260025	IC LIN OP AMP	NATIONAL	LM101AH	A	EA	-	
M18	280088	IC DIG SHIFTR8 PL	MOTOROLA	MC14021BCP	A	EA	2	
M19	280089	IC DIG SHIFTR8 LATCH8 3S	MOTOROLA	MC14094BCP	A	EA	-	
M20	260025	IC LIN OP AMP	NATIONAL	LM101AH	A	EA	-	
M22	280088	IC DIG SHIFTR8 PL	MOTOROLA	MC14021BCP	A	EA	-	
M23	260027	IC LIN OP AMP	FAIRCHILD	UA714HC	A	EA	5	
M24	280023	IC DIG NOR2 QUAD	MOTOROLA	MC14001UBCP	A	EA	1	
M25	280089	IC DIG SHIFTR8 LATCH8 3S	MOTOROLA	MC14094BCP	A	EA	-	
M26	260057	IC LIN OP AMP	SIGNETICS	NE5534N	A	EA	2	
M27	280089	IC DIG SHIFTR8 LATCH8 3S	MOTOROLA	MC14094BCP	A	EA	-	
M28	260057	IC LIN OP AMP	SIGNETICS	NE5534N	A	EA	-	
M29	290090	IC DIG DRIVER DARLINGTON X7	EXAR	XR2202CP	A	EA	1	
M30	280089	IC DIG SHIFTR8 LATCH8 3S	MOTOROLA	MC14094BCP	A	EA	-	
M31	280089	IC DIG SHIFTR8 LATCH8 3S	MOTOROLA	MC14094BCP	A	EA	-	
M32	260027	IC LIN OP AMP	FAIRCHILD	UA714HC	A	EA	-	
M33	260083	IC LIN OP AMP CHOPPER	LINEAR TECHNOLOGY	LT1052CN	A	EA	2	
M34	260027	IC LIN OP AMP	FAIRCHILD	UA714HC	A	EA	-	
M35	260027	IC LIN OP AMP	FAIRCHILD	UA714HC	A	EA	-	
M36	280106	IC DIG BUFF LEVEL SHIFT X6	MOTOROLA	MC14504BCP	A	EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
M37	280011	IC DIG FLIP FLOP D X2	MOTOROLA	MC14013BCP	A	EA	-	
M38	260083	IC LIN OP AMP CROPPER	LINEAR TECHNOLOGY	LTC1052CN	A	EA	-	
M39	260027	IC LIN OP AMP	FAIRCHILD	UA714HC	A	EA	-	
M40	220027	OPTO ISOL HIGH CNR	EP	HCPL2601	A	EA	-	
M41	290149	IC DIG CMOS TIMER	INTERMIL	ICM7555 1PA		EA	1	
T1	310002-2	TRANSF PULSE	NEWPORT	SEE DRG		EA	5	
T2	310002-2	TRANSF PULSE	NEWPORT	SEE DRG		EA	-	
T3	310002-2	TRANSF PULSE	NEWPORT	SEE DRG		EA	-	
T4	310002-2	TRANSF PULSE	NEWPORT	SEE DRG		EA	-	
T5	310002-2	TRANSF PULSE	NEWPORT	SEE DRG		EA	-	
RL1	330030	RELAY 4PNO 24V	SDS	S4-24V		EA	2	
RL2	330030	RELAY 4PNO 24V	SDS	S4-24V		EA	-	
L1	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	9	
L2	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L3	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L4	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L5	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L6	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L7	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L8	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L9	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
S1	700070	SWITCH 2PCO SLIDE	APR	25446NAB6		EA	1	
	410257-5	PCB REF DIVIDER 4700	DATRON	SEE DRG		EA	1	
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG		AR	1	
	540006	WIRE 1/.4 PTFE 250V BLK	BICC	SEE DRG		AR	1	
	590004	SLEEVE PTFE 1mm BLK	BELLERMANN	FE10BK		AR	1	
	602001	TERMINAL FSV	MILL-MAX	1065015013002102	A	EA	14	
	604053	PLUG PCB 4-WAY .1" GD PL	MOLEX	22-10-2044		EA	2	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18003	A	EA	11	
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A	EA	5	
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A	EA	13	
	612025-1	STANDOFF M3 X 5	SHIFT ENGINEERING	SEE DRG		EA	1	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	32	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2/D0006		EA	20	
	630118	PCB EJECTOR RED	RICHCO	CBE-13		EA	2	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL PREFORMS LT	M5363B/3		EA	42	
	900004	SILICONE RUBBER COMPOUND	RS COMPONENTS	555-588		AR	1	

End

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
Q1	250026	TRAN PNP	MOTOROLA	TIP146			EA 1	
Q2	240037	TRAN NPN DARL	MOTOROLA	TIP141			EA 1	
Q3	250018	TRAN PNP	MOTOROLA	BC556	A		EA 3	
Q4	250018	TRAN PNP	MOTOROLA	BC556	A		EA -	
Q5	240029	TRAN NPN	MOTOROLA	BC546	A		EA 3	
Q6	240029	TRAN NPN	MOTOROLA	BC546	A		EA -	
Q7	250018	TRAN PNP	MOTOROLA	BC556	A		EA -	
Q8	240029	TRAN NPN	MOTOROLA	BC546	A		EA -	
M1	260043	IC LIN OP AMP DUAL	MOTOROLA	LM358N	A		EA 1	
F1	920120	FUSE 1A 125V 7MM	LITTELFUSE	275.025			EA 2	
F2	920120	FUSE 1A 125V 7MM	LITTELFUSE	275.025			EA -	
	410254-2	PCB 38V POWER SUPPLY 4700	MANCHESTER CIRCUITS	SEE DRG			EA 1	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A		EA 1P	
	611006	SCREW M3 X 10 POZIPAN SZP	GKN	SEE DRG			EA 1	
	611016	SCREW M3 X 8 POZIPAN SZP	GKN	SEE DRG			EA 1	
	613005	WASHER M3 INT SHAKP SZP	GKN	SEE DRG			EA 2	
	613007	WASHER M3 PLAIN SZP	GKN	SEE DRG			EA 1	
	615002	NUT FULL M3 SZP	GKN	SEE DRG			EA 2	
	618001	BUSE IMSUL TO220	PHILIPS	56359C			EA 1	
	618004	PAD MNTG T018	JERMYN	T018-008D			EA 2	
	618014	PAD INSUL SIL TIP36	WARTH	4177-NA-53			EA 1	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA 8	
	900003	HEATSINK COMPOUND	RS COMPONENTS	554-311			AR 1	
	920141	HEATSINK T0220	AAVID	504102E00000			EA 2	

End

DRAWING NO. LD400796			CHK'D												
DI WM			DATE	25 NOV 87											
			ECO	1.0 12858	1.1 3413	2.0 3780	2.1 3884								
			REVISION												
			ISSUE												
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION												
COMPONENT LAYOUT	480796	1	A	1.0	2.0										
PARTS LIST	LP400796	ALL													
SCHMATIC	430796	1	A	1.0	2.0										
SCHMATIC	430796	2	A	1.0	2.0										
SCHMATIC	430796	3	A	1.0	2.0										
SCHMATIC	430796	4	A	1.0	2.0										
SCHMATIC	430796	5	A	1.0	2.0										
FUNCTIONAL TEST PROC	460796/FT	1-7	N/R												
FUNC. TEST TICK LIST	470796/FT	1	N/R												
PCB	410248	1		3	4	5									

NOTES
 DENOTES NO CHANGE TO DOCS
 AT ISSUE LEVEL CHANGE
 N/R = NOT RELEASED.

	DRW NO.	CHK'D	APP'D	TITLE	DRAWING NO.
	DATE	DATE	DATE	CALIBRATOR DIGITAL PCB ASSY.	LD400796

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R2	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	11	
R3	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R4	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R5	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R6	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	5	
R7	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	9	
R8	000122	RES CF 1K2 5% .25W	NEOHM	CFR25 1K2 5%	A	EA	2	
R9	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R10	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R11	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R12	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R13	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R14	000561	RES CF 560R 5% .25W	NEOHM	CFR25 560R 5%	A	EA	2	
R15	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R16	000182	RES CF 1K8 5% .25W	NEOHM	CFR25 1K8 5%	A	EA	1	
R17	014751	RES MF 4K75 1% .12W 50PPM	MEC	H8 4K75 1% 50PPM	A	EA	1	
R18	000122	RES CF 1K2 5% .25W	NEOHM	CFR25 1K2 5%	A	EA	-	
R19	012491	RES MF 2K49 1% .12W 50PPM	MEC	H8 2K49 1% 50PPM	A	EA	1	
R20	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	22	
R21	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R22	000223	RES CF 22K 5% .25W	NEOHM	CFR25 22K 5%	A	EA	1	
R23	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R24	000332	RES CF 3K3 5% .25W	NEOHM	CFR25 3K3 5%	A	EA	2	
R25	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	2	
R26	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R27	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R28	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A	EA	3	
R29	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R30	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R31	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R32	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R33	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R34	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R35	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R36	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R37	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R38	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R39	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R40	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R41	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R42	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R43	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R44	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R45	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R46	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	

Table with columns: DESIG, PART NO, DESCRIPTION, PRINC MANUF, MANUF PART NUMBER, CLASS, UM, QUANTITY, CHANGES. Lists components like RES CF 1K0 5% .25W, CAP DT 10UF 20% 16V, etc.

Table with columns: DESIG, PART NO, DESCRIPTION, PRINC MANUF, MANUF PART NUMBER, CLASS, UM, QUANTITY, CHANGES. Lists components like CAP CM 47NF +80%-20% 50V, DIODE GP 75mA 75V, IC DIG BUFF6 3S, etc.

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
M16	280107	IC DIG RAM STAT 2KX9 200NS	HITACHI	HM6116P-4	A	EA	2	
M17	270048	IC DIG NAND2 X4	NATIONAL	DM74LS00N		EA	3	
M18	00000N	NOT FITTED	DATRON	00000N		EA	-	
M22	280107	IC DIG RAM STAT 2KX8 200NS	HITACHI	HM6116P-4	A	EA	-	
M23	280162	IC DIG RAM STAT 8KX8 LP 150MS	TOSHIBA	TC5564PL-1	A	EA	1	
M24	280170	IC DIG NOR2 X4	TEXAS	SN74HCT02N		EA	1	
M25	280086	IC DIG BUFF8 GPIB	MOTOROLA	MC3447		EA	3	
M26	280081	IC DIG PIA	MOTOROLA	MC6821P		EA	1	
M27	280134	IC DIG TRNCVTR 3S	PHILIPS	PC74HCT245P	A	EA	1	
M28	260043	IC LIN OP AMP DUAL	MOTOROLA	LM358N	A	EA	1	
M29	280064	IC DIG GPIA IEEE 488	MOTOROLA	MC68488P		EA	1	
M30	280005	IC DIG NAND4 X2 OR NOR	MOTOROLA	MC14501UBCP		EA	1	
M31	270045	IC DIG MUX 2:1 X4	NATIONAL	DM74LS157N		EA	1	
M32	280092	IC DIG LATCH4 3S MR X2	MOTOROLA	MC14508BCP	A	EA	1	
M33	270048	IC DIG NAND2 X4	NATIONAL	DM74LS00N		EA	-	
M34	280087	IC DIG MICROPROCESSOR	MOTOROLA	MC6802P		EA	1	
M35	270057	IC DIG FLIP FLOP JK X2	NATIONAL	DM74LS76N		EA	1	
M36	280024	IC DIG BUFF6 3S	MOTOROLA	MC14503BCP	A	EA	-	
M37	270077	IC DIG BUFF6 3S	NATIONAL	DM74LS367N		EA	1	
M39	220015	OPTO ISOL 5KV	MOTOROLA	MOC1005	A	EA	-	
M40	280086	IC DIG BUFF8 GPIB	MOTOROLA	MC3447		EA	-	
M41	280059	IC DIG COUNT4 SYNC BIN X2	MOTOROLA	MC14520BCP	A	EA	1	
M42	280085	IC DIG AND2 X4	MOTOROLA	MC14081BCP	A	EA	4	
M43	280085	IC DIG AND2 X4	MOTOROLA	MC14081BCP	A	EA	-	
M44	280008	IC DIG NAND2 X4	MOTOROLA	MC14011BCP		EA	-	
M45	280085	IC DIG AND2 X4	MOTOROLA	MC14081BCP	A	EA	-	
M46	280085	IC DIG AND2 X4	MOTOROLA	MC14081BCP	A	EA	-	
M47	280024	IC DIG BUFF6 3S	MOTOROLA	MC14503BCP	A	EA	-	
M48	280086	IC DIG BUFF8 GPIB	MOTOROLA	MC3447		EA	-	
M49	270048	IC DIG NAND2 X4	NATIONAL	DM74LS00N		EA	-	
M50	270050	IC DIG INV X6	NATIONAL	DM74LS04N		EA	-	
M51	270058	IC DIG DECODER 2:4 X2	NATIONAL	DM74LS155N		EA	2	
M52	270058	IC DIG DECODER 2:4 X2	NATIONAL	DM74LS155N		EA	-	
M53	280068	IC DIG MONO RTRIG PREC	MOTOROLA	MC14538BCP	A	EA	1	
S1	700065	SWITCH 1P MOMENTARY	LIPA & ISOSTAT	532.000.007		EA	1	
S2	700114	SWITCH 1PST X 6 DIL	AB ELECTRONICS	206-006ST		EA	1	
	410248-5	PCB DIGITAL 4700	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	420098	LABEL SERIAL/ASSY No	RS COMPONENTS	554-793		EA	1	
	420112-1	LABEL SSD WARNING 12 X 12mm	TEKNIS	LN1212	A	EA	1	
	605050	SOCKET PCB 40-WAY DIL	JERMYN	J23-18040	A	EA	3	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	1	
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A	EA	14	
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A	EA	17	
	605064	SOCKET PCB 24-WAY DIL	JERMYN	J23-18024	A	EA	6	
	605065	SOCKET PCB 28-WAY DIL	JERMYN	J23-18028	A	EA	2	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	605066	SOCKET PCB 6-WAY DIL	JERMYN	J23-18006	A	EA	2	
	605070	SOCKET PCB 20-WAY DIL	JERMYN	J23-18020	A	EA	2	
	618004	PAD MNTG T018	JERMYN	T018-008D		EA	1	
	620003	PIN SOLDER	MILL-MAX	3130200010000080		EA	1	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	21	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2/D0006		EA	2	
	630098	CLIP COMPONENT 12.7 DIA	RICHCO	KKU-8		EA	1	
	630112	PCB EJECTOR BLACK	RICHCO	CBE-11		EA	2	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL PREFORMS LT	M5363B/3		EA	28	

End

DRAWING NO. LD400830		CHK'D																		
DOCUMENT LIST. DI/WM		DATE																		
		ECD																		
		REVISION																		
		ISSUE																		
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER																		
PARTS LIST.	LP400830	ALL	1	1	1	1														
ASSEMBLY DRAWING.	480830	1	1	1	1															
CIRCUIT DIAGRAM.	430830	1	1																	
TEST PROCEDURE.																				
TEST SPECIFICATION.																				
PCB.	410424	ALL	1	1																
<input type="checkbox"/> DENOTES NO CHANGE TO EXISTING AT ISSUE LEVEL CHANGE																				
														DATE: 25 MAY 88 TIME: 2030 NAME: P??		TITLE: 4700 INTERCONNECTION PCB	DRAWING NO.: LD400830			

DATRON INSTRUMENTS LTD PARTS LIST 09-May-92 DESC: ASSY PCB INTERCONNECTION DRG NO: LP400830-1 REV: 2 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C1	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310NOZSCR/SK250	EA	1		
J1	605002	SOCKET PCB 16-WAY DIL	CA	CA-16S-105D	EA	2		
J2	605002	SOCKET PCB 16-WAY DIL	CA	CA-16S-105D	EA	-		
J3	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041	EA	1		
J27	605086	SOCKET PCB 24-WAY	AMPHENOL	57-20240-8	EA	1		
S1	700114	SWITCH 1PST X 6 DIL	AB ELECTRONICS	206-006ST	EA	1		
S2	700080	SWITCH 1P3W SLIDE	ALCO	SLS-131-PC	EA	1		
S53	700081	SWITCH 1P2W SLIDE	ALCO	SLS-121-PC	EA	1		
	410424-1	PCB INTERCONNECTION 4700	MANCHESTER CIRCUITS	SEE DRG	EA	1		
	450296-2	SCREEN EARTH 4700	ADVANCE	SEE DRG	EA	1		
	450540-1	BRACKET CONNECTOR SUPPORT 4700	ADVANCE	SEE DRG	EA	1		
	611004	SCREW M3 X 6 POZIPAM SZP	GKN	SEE DRG	EA	2		
	611007	SCREW M3 X 6 POZICKS SZP	GKN	SEE DRG	EA	2		
	612004-1	STANDOFF M3 X 4	SWIFT ENGINEERING	SEE DRG	EA	2		
	612026-1	STANDOFF M3 X 6	SWIFT ENGINEERING	SEE DRG	EA	2		
	613029	WASHER M3 CRINKLE SS	GKN	SEE DRG	EA	2		
	614003-1	SPACER M3 CLEAR X 6	SWIFT ENGINEERING	SEE DRG	EA	2		

End


DRAWING No. LD400842		CNR'D			
DOCUMENT LIST		DATE	1.0 13099 171088		
DISTRIBUTION		SCO			
DI		REVISION	1.0 13099 171088		
		ISSUE	1.1 13244 24FEB89		
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE + REVISION		
PARTS LIST	LP400842	ALL	1.0 1.0		
ASSEMBLY DRAWING	DA400842	1	1.1 1.1		
CIRCUIT DIAGRAM	DC400842	1	1.0		
TEST PROCEDURE					
TEST SPECIFICATION					
P.C.B.	410421	1	1.0		
NOTES DENOTES NO CHANGE TO DOCS AT ISSUE LEVEL CHANGE				DRN SRA DATE 1710.88	CNR'D KB DATE 23.11.88
		APPD Kuf DATE 29.08.86		TITLE A.C. SENSE P.C.B. ASSY.	DRAWING No. LD400842 SHEET 1 OF

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB AC SENSE 4708 DRG NO: LP400842-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R101	014758	RES MF 47R5 1% .12W 50PPM	MEC	H8 47R5 1% 50PPM	A	EA	9	
R102	014758	RES MF 47R5 1% .12W 50PPM	MEC	H8 47R5 1% 50PPM	A	EA	-	
R103	014758	RES MF 47R5 1% .12W 50PPM	MEC	H8 47R5 1% 50PPM	A	EA	-	
R104	011822	RES MF 18K2 1% .12W 50PPM	MEC	H8 18K2 1% 50PPM	A	EA	2	
R105	014758	RES MF 47R5 1% .12W 50PPM	MEC	H8 47R5 1% 50PPM	A	EA	-	
R106	050083	RES MF 1K50 0.1% .12W 25PPM	MEC	H8 1K50 0.1% 25PPM	A	EA	4	
R107	050083	RES MF 1K50 0.1% .12W 25PPM	MEC	H8 1K50 0.1% 25PPM	A	EA	-	
R108	050083	RES MF 1K50 0.1% .12W 25PPM	MEC	H8 1K50 0.1% 25PPM	A	EA	-	
R109	050083	RES MF 1K50 0.1% .12W 25PPM	MEC	H8 1K50 0.1% 25PPM	A	EA	-	
R110	014758	RES MF 47R5 1% .12W 50PPM	MEC	H8 47R5 1% 50PPM	A	EA	-	
R111	014758	RES MF 47R5 1% .12W 50PPM	MEC	H8 47R5 1% 50PPM	A	EA	-	
R112	014758	RES MF 47R5 1% .12W 50PPM	MEC	H8 47R5 1% 50PPM	A	EA	-	
R113	016811	RES MF 6K81 1% .12W 50PPM	MEC	H8 6K81 1% 50PPM	A	EA	2	
R114	013161	RES MF 3K16 1% .12W 50PPM	MEC	H8 3K16 1% 50PPM	A	EA	1	
R115	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A	EA	2	
R116	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	1	
R117	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A	EA	-	
R118	013920	RES MF 392R 1% .12W 50PPM	MEC	H8 392R 1% 50PPM	A	EA	1	
R119	011000	RES MF 100R 1% .12W 50PPM	MEC	H8 100R 1% 50PPM	A	EA	5	
R120	011000	RES MF 100R 1% .12W 50PPM	MEC	H8 100R 1% 50PPM	A	EA	-	
R121	011000	RES MF 100R 1% .12W 50PPM	MEC	H8 100R 1% 50PPM	A	EA	-	
R122	014758	RES MF 47R5 1% .12W 50PPM	MEC	H8 47R5 1% 50PPM	A	EA	-	
R123	011000	RES MF 100R 1% .12W 50PPM	MEC	H8 100R 1% 50PPM	A	EA	-	
R124	016811	RES MF 6K81 1% .12W 50PPM	MEC	H8 6K81 1% 50PPM	A	EA	-	
R125	013328	RES MF 33R2 1% .12W 50PPM	MEC	H8 33R2 1% 50PPM	A	EA	1	
R126	011000	RES MF 100R 1% .12W 50PPM	MEC	H8 100R 1% 50PPM	A	EA	-	
R127	050084	RES MF 10K0 0.1% .12W 25PPM	MEC	H8 10K0 0.1% 25PPM	A	EA	2	
R128	050084	RES MF 10K0 0.1% .12W 25PPM	MEC	H8 10K0 0.1% 25PPM	A	EA	-	
R129	011822	RES MF 18K2 1% .12W 50PPM	MEC	H8 18K2 1% 50PPM	A	EA	-	
R130	014758	RES MF 47R5 1% .12W 50PPM	MEC	H8 47R5 1% 50PPM	A	EA	-	
AN101	090137	RES PACK 3K3 X 8 .5%	BECKMAN	698-3-R3K3D	A	EA	1	
C103	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339	A	EA	1	
C105	110026	CAP PE 6N8F 20% 100V	WIMA	FKS2 6800 20% 100V	A	EA	4	
C106	150016	CAP DT LUF 20% 35V	AVX	TAP105M035F	A	EA	1	
C107	110026	CAP PE 6N8F 20% 100V	WIMA	FKS2 6800 20% 100V	A	EA	-	
C108	110026	CAP PE 6N8F 20% 100V	WIMA	FKS2 6800 20% 100V	A	EA	-	
C109	110026	CAP PE 6N8F 20% 100V	WIMA	FKS2 6800 20% 100V	A	EA	-	
C110	100222	CAP CP 2N2F 10% 100V	PHILIPS	2222 630 19222	A	EA	1	
D101	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	2	
D102	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D103	210051	DIODE ZN 5V1 400mW	PHILIPS	BZX79C5V1	A	EA	1	
Q101	250008	TRAN PNP TOL8	MOTOROLA	BC214C	A	EA	2	
Q102	250008	TRAN PNP TOL8	MOTOROLA	BC214C	A	EA	-	
Q103	240041	TRAN NPN	MOTOROLA	BF374	A	EA	4	
Q104	240041	TRAN NPN	MOTOROLA	BF374	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
Q105	240041	TRAN NPN	MOTOROLA	BF374	A		EA -	
Q106	240041	TRAN NPN	MOTOROLA	BF374	A		EA -	
Q107	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A		EA 2	
Q108	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A		EA -	
Q109	240013	TRAN NPN TOL8	MOTOROLA	BC184C	A		EA 2	
Q110	240013	TRAN NPN TOL8	MOTOROLA	BC184C	A		EA -	
Q111	230029	TRAN JFET N-CHAN	SILICONIX	J309	A		EA 2	
Q112	230029	TRAN JFET N-CHAN	SILICONIX	J309	A		EA -	
Q113	240001	TRAN NPN	MOTOROLA	BC184	A		EA 1	
Q115	230098	TRAN JFET I LIM 1.8mA	SILICONIX	J507			EA 1	
Q116	240020	TRAN NPN DUAL	PMI	MAT-01GR			EA 2	
Q117	240020	TRAN NPN DUAL	PMI	MAT-01GR			EA -	
M101	240044	TRAN NPN QUAD	PMI	MAT-04EY			EA 2	
M102	240044	TRAN NPN QUAD	PMI	MAT-04EY			EA -	
M103	260119	IC LIN OP AMP DUAL	PMI	OP270PP	A		EA 1	
M104	260079	IC LIN REG 12V	NATIONAL	LM78L12ACZ			EA 1	
M105	260075	IC LIN V COMP DUAL	NATIONAL	LM2903N	A		EA 1	
TP9	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA 3	
TP26	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA -	
TP29	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA -	
	410421-A	PCB SENSE 4708	MANCHESTER CIRCUITS	SEE DRG			EA 1	
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG			AR 1	
	540001	WIRE 1/.56 TINNED COPPER	BICC	SEE DRG			AR 1	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A		EA 2	
	618015	COMPONENT CARRIER	JERMYN	J22-4019			EA 32	

End

DRAWING NO. LD400844		CHK'D	17.10.88	17.10.88	25.JAN.89	24.FEB.89	7.AUG.89	6.NOV.89	11.MAY.90	19.MAR.91
DOCUMENT LIST		DATE								
DISTRIBUTION		ECO								
DI	Wm	REVISION								
ISSUE		ISSUE								
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION							
PARTS LIST	LP400844	ALL	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
ASSEMBLY DRAWING	DA400844	1	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
CIRCUIT DIAGRAM	DC400844	1	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
	"	2	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
	"	3	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
	"	4	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
	"	5	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
	"	6	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
TEST PROCEDURE	PT400844		1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
TEST SPECIFICATION			1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
PCB	410172		1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
NOTES	<input type="checkbox"/> DENOTES NO CHANGE TO DOCS AT ISSUE LEVEL CHANGE		 DRG SRG DATE 17.10.88 NORWICH ENGLAND		CHK'D KS DATE 28.11.88	APP'D DATE	TITLE AC. PCB. ASSY	DRAWING NO. LD400844 SHEET 1 OF 1		

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB AC 4700 DRG NO: LP400844-1 REV: 6 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R2	000332	RES CF 3K3 5% .25W	NEOHM	CFR25 3K3 5%	A	EA	2	
R3	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	11	
R4	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	3	
R5	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A	EA	4	
R6	014021	RES MF 4K02 1% .12W 50PPM	MEC	H8 4K02 1% 50PPM	A	EA	2	
R9	014021	RES MF 4K02 1% .12W 50PPM	MEC	H8 4K02 1% 50PPM	A	EA	-	
R10	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	7	
R11	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R12	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R13	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A	EA	-	
R14	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A	EA	-	
R15	090138-1	RES FL NTWX 10K/10K 0.1%R	VISHAY MANN	300144C TO DRG	A	EA	1	
R16	000100	RES CF 10R 5% .25W	NEOHM	CFR25 10R 5%	A	EA	2	
R17	000100	RES CF 10R 5% .25W	NEOHM	CFR25 10R 5%	A	EA	-	
R18	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6	1	
R19	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6	-	
R20	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6	-	
R21	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6	-	
R22	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6	-	
R23	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6	-	
R24	000121	RES CF 120R 5% .25W	NEOHM	CFR25 120R 5%	A	EA	2	
R25	000390	RES CF 39R 5% .25W	NEOHM	CFR25 39R 5%	A	EA	2	
R26	000121	RES CF 120R 5% .25W	NEOHM	CFR25 120R 5%	A	EA	-	
R27	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	8	
R28	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R29	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R30	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R31	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	2	
R32	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R33	000390	RES CF 39R 5% .25W	NEOHM	CFR25 39R 5%	A	EA	-	
R34	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R36	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R37	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R38	018451	RES MF 8K45 1% .12W 50PPM	MEC	H8 8K45 1% 50PPM	A	EA	1	
R39	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R40	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R47	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	-	
R48	000220	RES CF 22R 5% .25W	NEOHM	CFR25 22R 5%	A	EA	1	
R50	016810	RES MF 681R 1% .12W 50PPM	MEC	H8 681R 1% 50PPM	A	EA	1	
R51	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R52	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R53	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	5	
R54	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A	EA	-	
R63	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	2	
R64	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R65	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R66	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	2	
R67	000392	RES CF 3K9 5% .25W	NEOHM	CFR25 3K9 5%	A	EA	1	
R68	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R69	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R70	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R72	000272	RES CT 2K7 5% .25W	NEOHM	CFR25 2K7 5%	A	EA	1	
R73	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R74	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R75	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
R76	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R77	000221	RES CF 220R 5% .25W	NEOHM	CFR25 220R 5%	A	EA	6	
R78	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R79	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R80	000821	RES CF 820R 5% .25W	NEOHM	CFR25 820R 5%	A	EA	2	
R81	000223	RES CF 22K 5% .25W	NEOHM	CFR25 22K 5%	A	EA	3	
R82	000223	RES CF 22K 5% .25W	NEOHM	CFR25 22K 5%	A	EA	-	
R84	000221	RES CF 220R 5% .25W	NEOHM	CFR25 220R 5%	A	EA	-	
R85	000153	RES CF 15K 5% .25W	NEOHM	CFR25 15K 5%	A	EA	1	
R86	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R87	000332	RES CF 3K3 5% .25W	NEOHM	CFR25 3K3 5%	A	EA	-	
R88	000223	RES CF 22K 5% .25W	NEOHM	CFR25 22K 5%	A	EA	-	
R89	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	3	
R90	000821	RES CF 820R 5% .25W	NEOHM	CFR25 820R 5%	A	EA	-	
R91	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R92	000473	RES CF 47K 5% .25W	NEOHM	CFR25 47K 5%	A	EA	-	
R93	000273	RES CF 27K 5% .25W	NEOHM	CFR25 27K 5%	A	EA	1	
R94	000432	RES CF 4K3 5% .25W	NEOHM	CFR25 4K3 5%	A	EA	1	
R95	000221	RES CF 220R 5% .25W	NEOHM	CFR25 220R 5%	A	EA	-	
R96	000221	RES CF 220R 5% .25W	NEOHM	CFR25 220R 5%	A	EA	-	
R97	013321	RES MF 3K32 1% .12W 50PPM	MEC	H8 3K32 1% 50PPM	A	EA	2	
R98	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A	EA	-	
R99	013321	RES MF 3K32 1% .12W 50PPM	MEC	H8 3K32 1% 50PPM	A	EA	-	
R100	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	2	
R101	000221	RES CF 220R 5% .25W	NEOHM	CFR25 220R 5%	A	EA	-	
R102	011690	RES MF 169R 1% .12W 50PPM	MEC	H8 169R 1% 50PPM	A	EA	2	
R103	011690	RES MF 169R 1% .12W 50PPM	MEC	H8 169R 1% 50PPM	A	EA	-	
R104	000680	RES CF 68R 5% .25W	NEOHM	CFR25 68R 5%	A	EA	1	
R105	014641	RES MF 4K64 1% .12W 50PPM	MEC	H8 4K64 1% 50PPM	A	EA	1	
R106	012371	RES MF 2K37 1% .12W 50PPM	MEC	H8 2K37 1% 50PPM	A	EA	1	
R107	066104	RES CT 100K SIDE ADJ S/T	BECKMAN	72XWR100K		EA	1	
R108	014640	RES MF 464R 1% .12W 50PPM	MEC	H8 464R 1% 50PPM	A	EA	2	
R109	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R110	080074	RES FL 111R11 0.1% 3PPM	VISHAY MANN	S102C 111R11 0.1%	A	EA	1	
R111	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A	EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R112	090129-3	RES FL NTRK 100R/12R346 0.05%R	VISHAY MANN	SEE DRG		EA	1	
R113	014640	RES MF 464R 1% .12W 50PPM	MEC	H8 464R 1% 50PPM	A	EA	-	
R114	080854	RES XX 220R 5% .12W	KAYOKO	CF1/8S	A	EA	4	
R115	090148-1	RES MF SER BURNIT-IN	DATRON	SEE DRG		S2	1	
R118	080095	RES FL 1K1 1% 1PPM	VISHAY MANN	S102C 1K1000 1%	A	EA	1	
R120	080075	RES FL 10K 1% 1PPM	VISHAY MANN	S102C 10K000 1%	A	EA	2	
R121	090148-1	RES MF SER BURNIT-IN	DATRON	SEE DRG		S2	-	
R122	066103	RES CT 10K SIDE ADJ S/T	BECKMAN	72XWR10K		EA	1	
R123	080075	RES FL 10K 1% 1PPM	VISHAY MANN	S102C 10K000 1%	A	EA	-	
R124	080043-2	RES FL 1K 0.1% 3PPM	VISHAY MANN	S102C TO DRG	A	EA	1	
R125	080854	RES XX 220R 5% .12W	KAYOKO	CF1/8S	A	EA	-	
R126	080854	RES XX 220R 5% .12W	KAYOKO	CF1/8S	A	EA	-	
R145	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R146	080854	RES XX 220R 5% .12W	KAYOKO	CF1/8S	A	EA	-	
R147	000222	RES CF 2K2 5% .25W	NEOHM	CFR25 2K2 5%	A	EA	1	
R148	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R149	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R150	012002	RES MF 20K0 1% .12W 50PPM	MEC	H8 20K0 1% 50PPM	A	EA	1	
R152	00000N	NOT FITTED	DATRON	00000N		EA	2	
R153	00000N	NOT FITTED	DATRON	00000N		EA	-	
R154	011000	RES MF 100K 1% .12W 50PPM	MEC	H8 100R 1% 50PPM	A	EA	1	
R157	080864	RES CF 33R 5% .12W	KAYOKO	CF1/8S	A	EA	1	
R158	000221	RES CF 220R 5% .25W	NEOHM	CFR25 220R 5%	A	EA	-	
R159	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	-	
R160	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	-	
AN1	090136	RES PACK 2K X 8 .5%	BECKMAN	698-3-R2KD		EA	1	
AN2	090144	RES PACK 1K X 8 1%	BECKMAN	698-3-R1KF		EA	1	
AN4	090096	RES NTRK 1M X 8 2%	BECKMAN	LO9-1S-R1M	A	EA	2	
AN5	090096	RES NTRK 1M X 8 2%	BECKMAN	LO9-1S-R1M	A	EA	-	
C1	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V		EA	3	
C2	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V		EA	-	
C3	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	3	
C5	110030	CAP PE 1NF 20% 100V	WIMA	FKS2 1000 20% 100V		EA	2	
C6	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	20	
C7	100102	CAP CM 1NF 10% 100V	PHILIPS	2222 630 19102		EA	4	
C8	100102	CAP CM 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C9	100102	CAP CM 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C10	100102	CAP CM 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C11	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C12	120014	CAP PC 2U2F 10% 63V	ASECROFT	M2B22201B		EA	2	
C13	120014	CAP PC 2U2F 10% 63V	ASECROFT	M2B22201B		EA	-	
C14	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C15	102100	CAP CD 10PF 20% 500V NPO	BECK	CD08CG10P0M5SCR	A	EA	4	
C16	110041	CAP PE 10NF 20% 100V	WIMA	FKS2 0.01 20% 100V		EA	1	
C17	110030	CAP PE 1NF 20% 100V	WIMA	FKS2 1000 20% 100V		EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C18	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V		EA	-	
C19	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	8	
C20	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C21	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C22	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C23	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C24	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C25	120025	CAP PC 4U7F 10% 63V	ASHCROFT	M2B47201B		EA	2	
C26	120025	CAP PC 4U7F 10% 63V	ASHCROFT	M2B47201B		EA	-	
C27	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C28	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C29	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C30	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C31	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C32	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C33	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C34	102100	CAP CD 10PF 20% 500V NPO	BECK	CD08CG10POMSCR	A	EA	-	
C35	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C36	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C40	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C42	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C43	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C44	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	14	
C45	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C46	150015	CAP DT 10UF 20% 35V	AVX	TAP106M035F	A	EA	2	
C47	150015	CAP DT 10UF 20% 35V	AVX	TAP106M035F	A	EA	-	
C48	101103	CAP CD 10NF +20%+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	-	
C49	102100	CAP CD 10PF 20% 500V NPO	BECK	CD08CG10POMSCR	A	EA	-	
C50	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	6	
C51	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	-	
C52	150006	CAP DT 4U7F 20% 16V	AVX	TAP475M016F	A	EA	1	
C53	130024	CAP DT 4U7F 20% 16V	AVX	TAP476M016F	A	EA	2	
C54	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C55	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C56	150024	CAP DT 4U7F 20% 16V	AVX	TAP476M016F	A	EA	-	
C60	102338	CAP CD 3P3F +/-OP5F 500V P100	BECK	CD08AG03P3DSCR	A	EA	1	
C62	102150	CAP CD 15PF 10% 500V NPO	BECK	CD08CG15POMSCR	A	EA	1	
C64	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C65	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C66	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C67	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C68	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	-	
C69	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	-	
C70	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C71	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C72	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C73	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C74	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C75	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C76	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C77	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C78	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	-	
C79	101103	CAP CD 10NF +20%+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	-	
C80	102100	CAP CD 10PF 20% 500V NPO	BECK	CD08CG10POMSCR	A	EA	-	
C81	100471	CAP CP 470PF 10% 100V	PHILIPS	2222 630 19471		EA	2	
C82	100471	CAP CP 470PF 10% 100V	PHILIPS	2222 630 19471		EA	-	
C83	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C84	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C85	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C86	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C87	10000N	CAP NOT FITTED	DATRON	10000N		EA	1	
C88	102222	CAP CD 2N2F 20% 500V	BECK	CD10K202N2MSCR	A	EA	1	
C89	140063	CAP PP 6N8F 5% 63V	WIMA	FKP2 6800 5% 63V		EA	1	
C90	102101	CAP CD 100PF 20% 500V NPO	BECK	CD10NK100PMSR	A	EA	1	
C91	102221	CAP CD 220PF 10% 500V N3300	BECK	CD10DL220PKSCR	A	EA	1	
C92	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47POMSCR	A	EA	-	
C96	150025	CAP DT 3U3F 20% 35V	AVX	TAP335M035F	A	EA	1	
C97	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	-	
C98	100478	CAP CP 4P7F +/-OP25F 100V	PHILIPS	2222 683 09478		EA	1	
D1	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	2	
D2	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	-	
D3	213012	DIODE VR 2V0 250mW	PHILIPS	BZV86-2V0		EA	2	
D4	213012	DIODE VR 2V0 250mW	PHILIPS	BZV86-2V0		EA	-	
D5	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	20	
D6	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D7	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D8	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D9	213022	DIODE TS 10V 5/500W	UNITRODE	TVS510	A	EA	4	
D10	213022	DIODE TS 10V 5/500W	UNITRODE	TVS510	A	EA	-	
D12	213022	DIODE TS 10V 5/500W	UNITRODE	TVS510	A	EA	-	
D13	213022	DIODE TS 10V 5/500W	UNITRODE	TVS510	A	EA	-	
D14	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	2	
D15	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D16	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	3	
D17	210200	DIODE ZN 20V 400mW	PHILIPS	BZX79C20	A	EA	1	
D20	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	9	
D22	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D21	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D23	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D24	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	


DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
D25	210130	DIODE ZN 13V 400mW	PHILIPS	BZX79C13	A	EA	1	
D26	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	-	
D27	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	-	
D28	213002	DIODE ZN 5V1 5W	MOTOROLA	1N5338B	A	EA	2	
D29	213002	DIODE ZN 5V1 5W	MOTOROLA	1N5338B	A	EA	-	
D30	213023	DIODE ZN 6V4 100PPM	PHILIPS	BZV10	A	EA	1	
D31	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D32	210081	DIODE ZN 9V1 400mW	PHILIPS	BZX79C9V1	A	EA	1	
D33	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D34	210056	DIODE ZN 5V6 400mW	PHILIPS	BZX79C5V6	A	EA	2	
D35	210056	DIODE ZN 5V6 400mW	PHILIPS	BZX79C5V6	A	EA	-	
D37	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D38	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D39	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D40	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D41	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D42	213011	DIODE VR 1V4 250mW	PHILIPS	BZV86-1V4	A	EA	2	
D43	213011	DIODE VR 1V4 250mW	PHILIPS	BZV86-1V4	A	EA	-	
D44	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D45	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D46	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D47	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D49	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D50	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D52	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D53	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D54	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D55	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D56	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D59	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D60	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D61	210082	DIODE ZN 8V2 400mW	PHILIPS	BZX79C8V2	A	EA	1	
Q1	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	9	
Q2	230069	TRAN JFET N-CHAN	SILICONIX	2N4416	A	EA	2	
Q3	230069	TRAN JFET N-CHAN	SILICONIX	2N4416	A	EA	-	
Q4	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A	EA	4	
Q5	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A	EA	-	
Q6	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A	EA	-	
Q19	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q20	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q21	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q22	230042	TRAN JFET I LIM 3mA	SILICONIX	J509	A	EA	3	
Q23	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q24	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	5	
Q25	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
Q26	240025	TRAN NPN DARR	MOTOROLA	MPSA13	A	EA	1	
Q27	240013	TRAN NPN TO18	MOTOROLA	BC184C	A	EA	1	
Q28	230042	TRAN JFET I LIM 3mA	SILICONIX	J509	A	EA	-	
Q29	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q30	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q31	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q32	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q33	250004	TRAN PNP TO92	MOTOROLA	2N3906	A	EA	-	
Q34	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q35	240006	TRAN NPN TO92	MOTOROLA	2N3904	A	EA	-	
Q36	230042	TRAN JFET I LIM 3mA	SILICONIX	J509	A	EA	-	
Q37	250008	TRAN PNP TO18	MOTOROLA	BC214C	A	EA	1	
Q38	239072-1	TRAN JFET N CHAN VP2.5-3.5	DATRON	U1899 TO DRG	A	EA	2	
Q39	239072-1	TRAN JFET N CHAN VP2.5-3.5	DATRON	U1899 TO DRG	A	EA	-	
Q40	230070	TRAN JFET N-CHAN DUAL	SILICONIX	2N5911	A	EA	2	
Q41	230070	TRAN JFET N-CHAN DUAL	SILICONIX	2N5911	A	EA	-	
Q42	230065	TRAN JFET I LIM 4m7A	SILICONIX	J511	A	EA	2	
Q43	230065	TRAN JFET I LIM 4m7A	SILICONIX	J511	A	EA	-	
Q46	230035	TRAN JFET N-CHAN	SILICONIX	U1897JF	A	EA	1	
Q48	230029	TRAN JFET N-CHAN	SILICONIX	J309	A	EA	2	
Q51	230029	TRAN JFET N-CHAN	SILICONIX	J309	A	EA	-	
Q52	230003	TRAN JFET N CHAN	SILICONIX	U1899JF	A	EA	-	
M1	260053	IC LIN OP AMP	INTERNATL	ICL7650SCPD	A	EA	1	
M2	260073	IC LIN OP AMP	NATIONAL	LF411CN	A	EA	2	
M3	260042	IC LIN OP AMP DUAL	SIGNETICS	NE5532N	A	EA	1	
M4	260108	IC LIN OP AMP	PMI	OP97FP	A	EA	2	
M5	260108	IC LIN OP AMP	PMI	OP97FP	A	EA	-	
M6	260075	IC LIN V COMP DUAL	NATIONAL	LM2903N	A	EA	1	
M7	280025	IC DIG SWITCH QUAD CMOS	MOTOROLA	MC14066BCP	A	EA	4	
M8	280025	IC DIG SWITCH QUAD CMOS	MOTOROLA	MC14066BCP	A	EA	-	
M9	280124	IC DIG FLIP FLOP6 D MR	PHILIPS	HEF40174BP	S	EA	2	
M10	280079	IC DIG OR2 X4	MOTOROLA	MC14071BCP	A	EA	1	
M11	280032	IC DIG COUNT DIV10	MOTOROLA	MC14017BCP	A	EA	2	
M12	260120	IC LIN OP AMP DUAL FET	LINEAR TECHNOLOGY	LT 1057 CM8	A	EA	1	
M13	280085	IC DIG AND2 X4	MOTOROLA	MC14081BCP	A	EA	1	
M14	280025	IC DIG SWITCH QUAD CMOS	MOTOROLA	MC14066BCP	A	EA	-	
M15	280032	IC DIG COUNT DIV10	MOTOROLA	MC14017BCP	A	EA	-	
M16	280025	IC DIG SWITCH QUAD CMOS	MOTOROLA	MC14066BCP	A	EA	-	
M17	280124	IC DIG FLIP FLOP6 D MR	PHILIPS	HEF40174BP	S	EA	-	
M18	280122	IC DIG OR3 X3	MOTOROLA	MC14075BCP	A	EA	2	
M19	260027	IC LIN OP AMP	FAIRCHILD	UA7148C	A	EA	2	
M20	280023	IC DIG NOR2 QUAD	MOTOROLA	MC14001UBCP	A	EA	3	
M22	290135	TRAN HV ARRAY	PLESSEY	SL3183	A	EA	1	
M23	280023	IC DIG NOR2 QUAD	MOTOROLA	MC14001UBCP	A	EA	-	
M24	260027	IC LIN OP AMP	FAIRCHILD	UA7148C	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
M25	280035	IC DIG DECODER BCDTODEC	MOTOROLA	MC14028BCP	A	EA	1	
M26	280023	IC DIG NOR2 QUAD	MOTOROLA	MC14001UBCP	A	EA	-	
M27	280122	IC DIG OR3 X3	MOTOROLA	MC14075BCP	A	EA	-	
M28	290090	IC DIG DRIVER DARLINGTON X7	EXAR	XR2202CP	A	EA	2	
M29	290090	IC DIG DRIVER DARLINGTON X7	EXAR	XR2202CP	A	EA	-	
M30	280125	IC DIG PHASE DETECTOR	NATIONAL	MM74C932N		EA	1	
M31	260073	IC LIN OP AMP	NATIONAL	LF411CN		EA	-	
M32	260087	IC LIN OP AMP BIFET	MOTOROLA	MC34081BP		EA	1	
RL2	330030	RELAY 4PNO 24V	SDS	S4-24V		EA	5	
RL3	330032	RELAY 1PCO MINIATURE	TAKAMISAWA	M224HSC		EA	1	
RL4	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	11	
RL5	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
RL6	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
RL7	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
RL8	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
RL9	330030	RELAY 4PNO 24V	SDS	S4-24V		EA	-	
RL10	330030	RELAY 4PNO 24V	SDS	S4-24V		EA	-	
RL11	330031	RELAY 2PNO 2PNC 24V	SDS	S2-24V		EA	1	
RL12	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134 TO DRG		EA	1	
RL13	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
RL14	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
RL15	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
RL16	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
RL17	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
RL18	330030	RELAY 4PNO 24V	SDS	S4-24V		EA	-	
RL19	330030	RELAY 4PNO 24V	SDS	S4-24V		EA	-	
RL20	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
L1	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	6	
L2	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L3	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L4	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L6	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L7	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
L8	370027	CHOKE RF 47UH 198mA	SIGMA	30-10-2533-10		EA	1	
F1	920120	FUSE 1A 125V 7MM	LITTELFUSE	275.025		EA	2	
F2	920120	FUSE 1A 125V 7MM	LITTELFUSE	275.025		EA	-	
LKA	604046	PLUG PCB 3-WAY .1"	MOLEX	22-10-2031		EA	2	
LKA	605127	SOCKET LINK 2-WAY .1" BLK	ASSMANN	AKSPL-G		EA	2	
LKB	604046	PLUG PCB 3-WAY .1"	MOLEX	22-10-2031		EA	-	
LKB	605127	SOCKET LINK 2-WAY .1" BLK	ASSMANN	AKSPL-G		EA	-	
	400639-1	ASSY PCB ATTENUATOR CAGE	DATRON	SEE DRG		EA	1	
	400842-1	ASSY PCB AC SENSE 4708	DATRON	SEE DRG		EA	1	
	410172-11	PCB AC 4200	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	420098	LABEL SERIAL/ASSY No	RS COMPONENTS	554-793		EA	1	
	420112-1	LABEL SSD WARNING 12 X 12mm	TEKNIS	LN1212	A	EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	450424-1	GUARD SHIELD TOP	ADVANCE	SEE DRG		EA	1	
	450425-1	GUARD SHIELD BOTTOM	ADVANCE	SEE DRG		EA	1	
	512000	WIRE 7/.2 PTPE 1KV BLK	BICC	SEE DRG		AR	1	
	512999	WIRE 7/.2 PTPE 1KV WHT	BICC	SEE DRG		AR	1	
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG		AR	1	
	560002	CABLE CO-AX 7/34AWG 2.54 DIA	RAYFAST	5026A1311-0		AR	1	
	590001	SLEEVE NP 1.5 X 20MM BLK	HELLERMANN	H15 X 20MM BLK		EA	2	
	590004	SLEEVE PTFE 1mm BLK	HELLERMANN	FEL0BK		AR	1	
	590006	SLEEVE HS 2.4mm YLW	RS COMPONENTS	399-495		AR	1	
	590007	LACING TAPE 1.6MM	ALPHA	LC134	S	AR	1	
	590031	SLEEVE HS 3.2mm YLW	RS COMPONENTS	399-502		AR	1	
	590074	SLEEVE SOLDER DIAM.3.0	RAYFAST	CWT-3		EA	1	
	604056	PLUG PCB 4-WAY .1"	MOLEX	22-10-2041		EA	10	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	9	
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A	EA	12	
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A	EA	8	
	611004	SCREW M3 X 6 POZIPAN SZP	GKN	SEE DRG		EA	1	
	611012	SCREW M3 X 12 POZICKS SZP	GKN	SEE DRG		EA	3	
	612030-1	STANDOFF M3 X 14	SWIFT ENGINEERING	SEE DRG		EA	1	
	613029	WASHER M3 CRINKLE SS	GKN	SEE DRG		EA	1	
	614001-1	SPACER M3 CLEAR X 4	SWIFT ENGINEERING	SEE DRG		EA	3	
	620003	PIN SOLDER	MILL-MAX	3130200010000080		EA	3	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	39	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2/D0006		EA	24	
	630036	BEAD CERAMIC 18 SWG	PARK ROYAL PORCELAIN	No1/D0005		EA	10	
	630121	PCB EJECTOR GREEN	RICHO	CBE-9		EA	2	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL PREFORMS LT	M5363B/3		EA	40	
	900004	SILICONE RUBBER COMPOUND	RS COMPONENTS	555-588		AR	1	

End

DRAWING No. LD400909		CHK'D																		
DOCUMENT LIST		DATE																		
DISTRIBUTION		ECCO																		
BI WM		REVISION																		
		ISSUE																		
DESCRIPTION		DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION																
PARTS LIST		LP400909	1	1.0	1.1	1.2	1.3	1.4												
ASSEMBLY DRAWING		DA400909	1	1.0	1.1	1.2	1.3	1.4												
CIRCUIT DIAGRAM		DC400909	1	1.0	1.1	2.1														
		DC400909	2	1.0	1.1															
		DC400909	3	1.0	1.1															
C/P CONTROL TEST PROC.		PI400909	DISC																	
TEST PROCEDURE		PT460909	ALL																	
TEST SPECIFICATION																				
PCB		410258	1	1.0	1.1	4														
NOTES		☐ DENOTES NO CHANGE TO DDCS AT ISSUE LEVEL CHANGE				DRN D.T. (TRVCO) DATE 20.2.89		CHK'D R.S. DATE 10.3.89		TITLE 4708 OUTPUT CONTROL PCB ASSY		DRAWING No. LD400909 SHEET 1 OF 1								

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB OUTPUT CONTROL 4708 DRG NO: LP400909-1 REV: 4 PAGE NO: 1


DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	000274	RES CF 270K 5% .25W	NEOHM	CFR25 270K 5%	A	EA	2	
R2	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	2	
R3	000274	RES CF 270K 5% .25W	NEOHM	CFR25 270K 5%	A	EA	-	
R4	019091	RES MF 9K09 1% .12W 50PPM	MEC	H8 9K09 1% 50PPM	A	EA	1	
R5	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	2	
R6	000472	RES CF 4K7 5% .25W	NEOHM	CFR25 4K7 5%	A	EA	-	
R7	014992	RES MF 49K9 1% .12W 50PPM	MEC	H8 49K9 1% 50PPM	A	EA	1	
R8	012212	RES MF 22K1 1% .12W 50PPM	MEC	H8 22K1 1% 50PPM	A	EA	1	
R9	014322	RES MF 43K2 1% .12W 50PPM	MEC	H8 43K2 1% 50PPM	A	EA	1	
R10	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	3	
R11	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	-	
R12	000133	RES CF 13K 5% .25W	NEOHM	CFR25 13K 5%	A	EA	-	
R13	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	-	
R14	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	2	
R18	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	-	
R19	000244	RES CF 240K 5% .25W	NEOHM	CFR25 240K 5%	A	EA	1	
R20	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	3	
R21	000103	RES CF 10K 5% .25W	NEOHM	CFR25 10K 5%	A	EA	1	
R22	000164	RES CF 160K 5% .25W	NEOHM	CFR25 160K 5%	A	EA	1	
R23	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R24	000104	RES CF 100K 5% .25W	NEOHM	CFR25 100K 5%	A	EA	-	
R61	017501	RES MF 7K50 1% .12W 50PPM	MEC	H8 7K50 1% 50PPM	A	EA	1	
R62	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R63	018251	RES MF 8K25 1% .12W 50PPM	MEC	H8 8K25 1% 50PPM	A	EA	1	
R64	046813	RES MF 681K 1% .12W 50PPM	MEC	H8 681K 1% 50PPM	A	EA	2	
R65	012211	RES MF 2K21 1% .12W 50PPM	MEC	H8 2K21 1% 50PPM	A	EA	2	
R66	000683	RES CF 68K 5% .25W	NEOHM	CFR25 68K 5%	A	EA	2	
R68	017321	RES MF 7K32 1% .12W 50PPM	MEC	H8 7K32 1% 50PPM	A	EA	1	
R69	012211	RES MF 2K21 1% .12W 50PPM	MEC	H8 2K21 1% 50PPM	A	EA	-	
R70	046813	RES MF 681K 1% .12W 50PPM	MEC	H8 681K 1% 50PPM	A	EA	-	
R71	000683	RES CF 68K 5% .25W	NEOHM	CFR25 68K 5%	A	EA	-	
R72	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	2	
R78	000470	RES CF 47R 5% .25W	NEOHM	CFR25 47R 5%	A	EA	-	
R79	000562	RES CF 5K6 5% .25W	NEOHM	CFR25 5K6 5%	A	EA	1	
R80	000391	RES CF 390R 5% .25W	NEOHM	CFR25 390R 5%	A	EA	1	
R81	000222	RES CF 2K2 5% .25W	NEOHM	CFR25 2K2 5%	A	EA	1	
R82	000133	RES CF 13K 5% .25W	NEOHM	CFR25 13K 5%	A	EA	-	
R83	050059	RES TF 1M5 1% 2W 15KV	MEC	H803RE 1M5 1%	A	EA	1	
R84	013011	RES MF 3K01 1% .12W 50PPM	MEC	H8 3K01 1% 50PPM	A	EA	1	
R97	090001	THERMISTOR PTC 80R	PHILLIPS	VAB650	A	EA	1	
R98	012008	RES MF 20R0 1% .12W 50PPM	MEC	H8 20R0 1% 50PPM	A	EA	1	
R107	050062	RES MO 51R 1% 1W	WELWYN	FA 1 51R0 +/-1%	A	EA	1	
R108	021820	RES MF 182R 1% .25W 50PPM	MEC	H4 182R 1% 50PPM	A	EA	1	
R121	000221	RES CF 220R 5% .25W	NEOHM	CFR25 220R 5%	A	EA	1	
R123	000474	RES CF 470K 5% .25W	NEOHM	CFR25 470K 5%	A	EA	1	

Table with 8 columns: DESIG, PART NO, DESCRIPTION, PRINC MANUF, MANUF PART NUMBER, CLASS, UM, QUANTITY, CHANGES. Rows include components like RES CF 2M2 5% .25W, CAP CM 47NF +80%-20% 50V, DIODE TS 15V 5/500W, etc.

Table with 8 columns: DESIG, PART NO, DESCRIPTION, PRINC MANUF, MANUF PART NUMBER, CLASS, UM, QUANTITY, CHANGES. Rows include components like DIODE GP 1A 50V, IC LIN OP AMP DUAL 2N, RELAY 1PCO LATCH 6V 1KV, FUSE 1A 125V 7MM, etc.

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A		EA 3	
	605070	SOCKET PCB 20-WAY DIL	JERMYN	J23-18020	A		EA 3	
	605127	SOCKET LINK 2-WAY .1" BLK	ASSMANN	AKSPL-G			EA 3	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA 9	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	NO2/D0006			EA 12	
	630036	BEAD CERAMIC 18 SWG	PARK ROYAL PORCELAIN	NO1/D0005			EA 18	
	630119	PCB EJECTOR ORANGE	RICHCO	CBE-14			EA 2	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL PREFORMS LT	M5363B/3			EA 22	


End

DRAWING No. LD 400942		CHRD																			
DOCUMENT LIST		DATE																			
DISTRIBUTION		ECO																			
		REVISION																			
		ISSUE																			
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE . REVISION																		
PARTS LIST.	LP400942	1	1.0	1.1	1.2	1.3															
ASSEMBLY DRAWING	DA400942	1	1.1	1.2	1.3																
CIRCUIT DIAGRAM	---	---																			
TEST PROCEDURE																					
TEST SPECIFICATION																					
PCB	DP410450		A																		
NOTES <input type="checkbox"/> DENOTES NO CHANGE TO DCC'S AT ISSUE LEVEL CHANGE'S						DRM	DATE	CHE	DATE	FILE	4700	DRAWING No. LD 400942									
			RODRICH ENGLAND			DATE	13 NOV 89	DATE	12-4-90	DATE	12-4-90	HF TRANSFORMER									
											SHEET	1 OF 1									

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB HF TRANSF 47XX DRG NO: LP400942-1 REV: 1 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	008042	RES WW 6R8 5% 9W	WELWYN	W23-6R8	EA		1	
R2	008084	RES WW 82R 5% 2.5W	WELWYN	W21-82R	EA		2	
R3	008084	RES WW 82R 5% 2.5W	WELWYN	W21-82R	EA		1	
T1	300035-1	TRANSF COIL HF 47XX	SIGA	SEE DRG	EA		1	
J2	605053	SOCKET HOUSING 12-WAY .1"PITCH	MOLEX	22-01-2125	EA		1	
J5	605051	HOUSING 4-WAY	MOLEX	6471 SERIES 22-01-20	EA		1	
	410450-A	PCB HF TRANSF 47XX	MANCHESTER CIRCUITS	SEE DRG	EA		1	
	512000	WIRE 7/.2 PTFE 1KV BLK	BICC	SEE DRG	AR		1	
	512111	WIRE 7/.2 PTFE 1KV BRN	BICC	SEE DRG	AR		1	
	512222	WIRE 7/.2 PTFE 1KV RED	BICC	SEE DRG	AR		1	
	512444	WIRE 7/.2 PTFE 1KV YLW	BICC	SEE DRG	AR		1	
	512666	WIRE 7/.2 PTFE 1KV BLU	BICC	SEE DRG	AR		1	
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG	AR		1	
	590001	SLEEVE NP 1.5 X 20MM BLK	HELLERMANN	H15 X 20MM BLK	EA		2	
	590005	SLEEVE NP 2 X 20MM BLK	HELLERMANN	H20 X 20MM BLK	EA		3	
	605057-1	CRIMP TERM .100 GD PL REEL	MOLEX	08-56-0120 TO DRG	EA		6	
	611006	SCREW M3 X 10 POZIPAN SZP	GKN	SEE DRG	EA		1	
	612028-1	STANDOFF M3 X 10	SWIFT ENGINEERING	SEE DRG	EA		4	
	613005	WASHER M3 INT SHARP SZP	GKN	SEE DRG	EA		2	
	613019	WASHER M3 LARGE SZP	GKN	SEE DRG	EA		2	
	613029	WASHER M3 CRINKLE SS	GKN	SEE DRG	EA		1	
	615002	NUT FULL M3 SZP	GKN	SEE DRG	EA		1	
	630003	CLIP 'P' 4.8	SES	CN5	EA		1	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2/D0006	EA		6	
	630356	PM62 TRANSF CORE AL9200	SIEMENS	B65684-A0000-R027	EA		1	
	630358	PM62 YOKE/PLATE	SIEMENS	B65685-A2000-X000	EA		1	
	900009	LOCKING COMPOUND	LOCTITE	222	AR		1	
	900016	CLEANING FLUID	RS COMPONENTS	556-654	AR		1	

End

DRAWING No.		CHK'D	DATE	DOCUMENT LIST		DISTRIBUTION		ECO	REVISION	ISSUE
LD400990										
DESCRIPTION		DRAWING NUMBER	SHEET NUMBER	ISSUE . REVISION						
PARTS LIST	LP400990	ALL	1.0	1.0	1.1	1.2				
ASSEMBLY DRAWING	DA400990	1	1.0	1.0	1.1	1.2				
	DA400990	2	1.0	1.0	1.1	1.2				
	DA400990	3	1.0	1.0	1.1	1.2				
	DA400990	4	1.0	1.0	1.1	1.2				
	DA400990	5	1.0	1.0	1.1	1.2				
	DA400990	6	1.0	1.0	1.1	1.2				
	DA400990	7	1.0	1.0	1.1	1.2				
	DC400990	1	1.0	1.0						
	DC400990	2	1.0	1.0						
TEST PROCEDURE										
TEST SPECIFICATION										
PCB										
NOTES		<input type="checkbox"/> DEFICIES NO CHANGE TO DCS AT ISSUE LEVEL CHANGE				DRG: JL DATE: 27/03/92	CHK'D: 770 DATE: 31/03/92	<i>Rick</i> DATE: 11/3/92	TITLE: 4800 CHASSIS ASSY.	DRAWING No. LD400990

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY CHASSIS 4800 DRG NO: LP400990-1 REV: 2 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	400463-2	ASSY CABLE DIGITAL PSU	DATRON	SEE DRG			EA 1	
	400471-1	ASSY RIBBON CABLE	DATRON	SEE DRG			EA 2	
	400560-1	ASSY CABLE IN/GU PSU 4200	DATRON	SEE DRG			EA 1	
	400604-3	ASSY PCB MOTHER 4700	DATRON	SEE DRG			EA 1	
	400636-3	ASSY REAR PANEL 4700	DATRON	SEE DRG			EA 1	
	400651-1	ASSY TRANS LF	DATRON	SEE DRG			EA 1	
	400942-1	ASSY PCB HF TRANSF 47XX	DATRON	SEE DRG			EA 1	
	400993-1	ASSY PCB DISPLAY 4800	DATRON	SEE DRG			EA 1	
	400994-1	ASSY PCB SWITCH 4800	DATRON	SEE DRG			EA 1	
	400995-2	ASSY PCB TERMINAL 4800	DATRON	SEE DRG			EA 1	
	400997-1	ASSY TRANSF MAINS 4800	DATRON	SEE DRG			EA 1	
	400999-1	ASSY CABLE POWER SWITCH 4800	DATRON	SEE DRG			EA 1	
	450265-4	CHASSIS MOULDED 4700	TAYLORS	SEE DRG			EA 1	
	450271-2	FILTER GRILLE 4700	ADVANCE	SEE DRG			EA 1	
	450272-1	TRANSF BOLT PLATE 4700	ADVANCE	SEE DRG			EA 2	
	450277-1	AIR FILTER 4700	CUSTOM FOAMS	SEE DRG			EA 1	
	450293-1	PCB SUPPORT	WITHERSDALE	SEE DRG			EA 3	
	450301-2	EARTH BRACKET	ADVANCE	SEE DRG			EA 1	
	450316-1	PS GUARD SCREEN	ADVANCE	SEE DRG			EA 1	
	450406-1	BRACKET 40V PSU 4700	ADVANCE	SEE DRG			EA 1	
	450414-2	EARTH SHEET	ADVANCE	SEE DRG			EA 1	
	450418-1	SPACER M5 BOLT	SWIFT ENGINEERING	SEE DRG			EA 4	
	450431-1	HEATSINK GUARD SCREEN 4200	ADVANCE	SEE DRG			EA 1	
	450436-1	PLATE TRANSFORMER BOLT	ADVANCE	SEE DRG			EA 2	
	450446-1	PCB GUARD SCREEN ALUM	ADVANCE	SEE DRG			EA 5	
	450447-1	PCB EARTH SCREEN	ADVANCE	SEE DRG			EA 1	
	450452-3	CABLE BRIDGE	ADVANCE	SEE DRG			EA 1	
	450477-1	SPACER GUARD/EARTH 4700	JTF	SEE DRG			EA 1	
	450549-1	PCB GUARD SCREEN STEEL 4700	ADVANCE	SEE DRG			EA 1	
	450550-1	GUARD SHEET STEEL 4700	ADVANCE	SEE DRG			EA 1	
	450559-1	DISPLAY BOARD MTG BLOCK 1281	WITHERSDALE	SEE DRG			EA 4	
	450602-2	BADGE DATRON LOGO 1281	DIAMETRICS	SEE DRG			EA 1	
	450833-1	INSULATOR HF TX PCB 4700	KENSULAT	SEE DRG			EA 1	
	450874-1	BEZEL FRONT 4800	TAYLORS	SEE DRG			EA 1	
	450884-2	PANEL FRONT 4800	ADVANCE	SEE DRG			EA 1	
	450885-1	FILTER DISPLAY 4800	OPTICAL FILTERS	SEE DRG			EA 2	
	450890-1	SIDE EXTRUSION RH 4800	ADVANCE	SEE DRG			EA 1	
	450891-1	SIDE EXTRUSION LH 4800	ADVANCE	SEE DRG			EA 1	
	450892-1	HANDLE 4800	ADVANCE	SEE DRG			EA 2	
	450915-1	WINDOW ADHESIVE 4800	3M	SEE DRG			EA 2	
	450931-1	REAR SPACER 4800	ADVANCE	SEE DRG			EA 2	
	510999	WIRE 7/.2 PVC 1KV WHT	BICC	SEE DRG			AR 1	
	590001	SLEEVE NP 1.5 X 20MM BLK	BELLERMANN	R15 X 20MM BLK			EA 1	
	590003	SLEEVE HS 5.4mm YLW	RS COMPONENTS	399-524			AR 1	
	590006	SLEEVE HS 2.4mm YLW	RS COMPONENTS	399-495			AR 1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	590007	LACING TAPE 1.6MM	ALPHA	IC134	S		AR 1	
	590013	CABLE TIE 3.6 X 142 MM	RS COMPONENTS	543-412			EA 2	
	590032	SLEEVE HS 4.8mm YLM	RS COMPONENTS	399-518			AR 1	
	606005	SOCKET CLIP DIL 16-WAY	CA	CA16-200-DL			EA 2	
	611004	SCREW M3 X 6 POZIPAN SZP	GKN	SEE DRG			EA 48	
	611005	SCREW M3 X 12 POZIPAN SZP	GKN	SEE DRG			EA 2	
	611006	SCREW M3 X 10 POZIPAN SZP	GKN	SEE DRG			EA 1	
	611007	SCREW M3 X 6 POZICSK SZP	GKN	SEE DRG			EA 8	
	611008	SCREW M3 X 10 POZICSK SZP	GKN	SEE DRG			EA 4	
	611015	SCREW M3 X 8 POZICSK SZP	GKN	SEE DRG			EA 2	
	611016	SCREW M3 X 8 POZIPAN SZP	GKN	SEE DRG			EA 23	
	611038	SCREW M4 X 12 SKT CSK HTSBKZP	UNBRAKO	SEE DRG			EA 6	
	611045	SCREW M5 X 65 POZIPAN SZP	GKN	SEE DRG			EA 4	
	611047	SCREW M5 X 12 POZICSK SZP	GKN	SEE DRG			EA 8	
	611051	SCREW M8 X 110 HEX HD SZP	GKN	SEE DRG			EA 4	
	611078	SCREW M4 X 12 POZICSK TT BKZPL	GKN	SEE DRG			EA 8	
	611125	SCREW M4 X 6 SKT CAP HTSZP	UNBRAKO	SEE DRG			EA 4	
	612059	SPACER M3 X 24.4 NYL P/F	TRIO MOULDINGS	6.5M3II24.4+/-0.2			EA 4	
	613005	WASHER M3 INT SHAKP SZP	GKN	SEE DRG			EA 34	
	613007	WASHER M3 PLAIN SZP	GKN	SEE DRG			EA 8	
	613009	SOLDER TAG 4 BA BTP	RS COMPONENTS	532-535			EA 2	
	613013	WASHER M5 PLAIN SZP	GKN	SEE DRG			EA 4	
	613025	WASHER M8 PLAIN SZP	GKN	SEE DRG			EA 4	
	613028	WASHER M5 INT SHAKP SZP	GKN	SEE DRG			EA 4	
	613029	WASHER M3 CRINKLE SS	GKN	SEE DRG			EA 43	
	613032	WASHER M4 SQ SPRING SZP	GKN	SEE DRG			EA 4	
	613038-1	WASHER LARGE M5 SZP	SWIFT ENGINEERING	SEE DRG			EA 2	
	615002	NUT FULL M3 SZP	GKN	SEE DRG			EA 4	
	615007	NUT FULL M5 SZP	GKN	SEE DRG			EA 4	
	615012	NUT NYLOCK M5 SZP	GKN	SEE DRG			EA 4	
	615015	NUT NYLOCK M8 SZP	GKN	SEE DRG			EA 4	
	630003	CLIP 'P' 4.8	SES	CN5			EA 2	
	630004	CLIP 'P' 6.4	SES	CN6			EA 9	
	630019	GROMMET 9.5 DIA	RS COMPONENTS	543-210			EA 1	
	630020	CLIP CABLE 4 DIA	3M	708			EA 1	
	630029	TAPE 1/4" X 1/32" DBL SIDED	3M	4032			AR 1	
	630042	CLIP CABLE	RICHCO	CFCC-8			EA 1	
	630132	TAPE POLYAMIDE/KAPTON 3/4"W	3M	5413			AR 1	
	630175	PCB CARD GUIDE	RICHCO	RCG1			EA 2	
	630268	CLIP CABLE MINIATURE	RICHCO	MWS			EA 1	
	630269	CLIP CABLE SELF-ADHESIVE	RICHCO	MWSB			EA 3	
	900009	LOCKING COMPOUND	LOCTITE	222			AR 1	
	900016	CLEANING FLUID	RS COMPONENTS	556-654			AR 1	


End

DRAWING NO. LD400991		CNR'D	10 380 7699 10																							
DOCUMENT LIST		DATE																								
DISTRIBUTION		ECO																								
		REVISION																								
		ISSUE																								
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER		ISSUE . REVISION																						
PARTS LIST.	LP400991	ALL		10																						
ASSEMBLY DRAWING.																										
CIRCUIT DIAGRAM.																										
TEST PROCEDURE.																										
TEST SPECIFICATION.																										
PCB.																										
NOTES <input type="checkbox"/> DENOTES NO CHANGE TO DDCS AT ISSUE LEVEL CHANGE		datron		DRN NL	CNR'D M30	DATE 4.1.92	TITLE 4800 DIGITAL ASSY.	DRAWING No. LD400991																		

DATRON INSTRUMENTS LTD PARTS LIST 10-Mar-92 DESC: ASSY DIGITAL 4800 DRG NO: LP400991-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS UM	QUANTITY	CHANGES
M18	400992-1	ASSY EPROM 4800	DATRON	SEE DRG			EA 1
	400796-2	ASSY PCB DIGITAL 4XXX	DATRON	SEE DRG			EA 1

End

DRAWING No.		LD400993		CHK'D		DATE		1.0 3780 7 FEB 92		1.1 3821 4 MAR 92			
DOCUMENT LIST				DISTRIBUTION									
DESCRIPTION		DRAWING NUMBER		SHEET NUMBER		ISSUE - REVISION							
PARTS LIST		LP400993		ALL		1.0 1.0							
ASSEMBLY DRAWING		DA400993		1		1.1 1.1							
CIRCUIT DIAGRAM		DC400993		1		1.0 1.0							
CIRCUIT DIAGRAM		DC400993		2		1.1 1.1							
TEST PROCEDURE		PT400993		-		1.0 1.0							
TEST SPECIFICATION													
PCB		410465		-		1.0 1.0							
NOTES		DENOTES NO CHANGE TO DCS AT ISSUE LEVEL CHANGE				DRW <i>JL</i> DATE 7.1.91		CHK'D <i>AW</i> DATE 19 JAN 92		TITLE 4800 DISPLAY PCB ASSY.		DRAWING No. LD400993 SHEET 1 OF 1	

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB DISPLAY 4800 DRG NO: LP400993-1 REV: 1 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R101	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A	EA	3	
R102	090121	RES NTWK 100K X 8 2%	BECKMAN	LO9-1S-R100K	A	EA	4	
R103	090121	RES NTWK 100K X 8 2%	BECKMAN	LO9-1S-R100K	A	EA	-	
R104	090121	RES NTWK 100K X 8 2%	BECKMAN	LO9-1S-R100K	A	EA	-	
R105	090121	RES NTWK 100K X 8 2%	BECKMAN	LO9-1S-R100K	A	EA	-	
R106	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	8	
R109	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R110	090179	RES NTWK 4K7 X 8 2%	BECKMAN	LO9-1S-R4K7	A	EA	3	
R111	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A	EA	-	
R112	014991	RES MF 4K99 1% .12W 50PPM	MEC	H8 4K99 1% 50PPM	A	EA	1	
R201	090179	RES NTWK 4K7 X 8 2%	BECKMAN	LO9-1S-R4K7	A	EA	-	
R202	090165	RES PACK 68R X 4 2%	BECKMAN	LO8-3S-R68	A	EA	2	
R203	090165	RES PACK 68R X 4 2%	BECKMAN	LO8-3S-R68	A	EA	-	
R204	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R205	090179	RES NTWK 4K7 X 8 2%	BECKMAN	LO9-1S-R4K7	A	EA	-	
R206	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R207	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R208	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R209	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R210	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A	EA	-	
R211	011002	RES MF 10K0 1% .12W 50PPM	MEC	H8 10K0 1% 50PPM	A	EA	-	
R212	012741	RES MF 2K74 1% .12W 50PPM	MEC	H8 2K74 1% 50PPM	A	EA	1	
R213	016818	RES MF 68R1 1% .12W 50PPM	MEC	H8 68R1 1% 50PPM	A	EA	1	
C101	150002	CAP DT 10UF 20% 16V	AVX	TAP106M016F	A	EA	2	
C102	104025	CAP CM 100NF +80%-20% 50V	AVX	SRL75E104ZAA	A	EA	1	
C103	150001	CAP DT 22UF 20% 16V	AVX	TAP226M016F	A	EA	1	
C104	104026	CAP CM 47NF +80%-20% 50V	AVX	SRL75E473ZAA	A	EA	1	
C105	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	12	
C106	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C107	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C108	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C109	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C110	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C111	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C112	110013	CAP PE 100NF 10% 250V	PHILIPS	2222 368 45104	A	EA	1	
C113	180022	CAP AE 33UF 40V	PHILIPS	2222 030 37339	A	EA	3	
C114	180022	CAP AE 33UF 40V	PHILIPS	2222 030 37339	A	EA	-	
C115	180022	CAP AE 33UF 40V	PHILIPS	2222 030 37339	A	EA	-	
C201	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	1	
C202	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C203	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C204	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C205	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	
C206	150002	CAP DT 10UF 20% 16V	AVX	TAP106M016F	A	EA	-	
C207	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
D101	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	1	
D102	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	4	
D103	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	-	
D104	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	-	
D105	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	-	
Q201	250011	TRAN PNP TO92	MOTOROLA	BC127	A	EA	1	
Q202	240025	TRAN NPN DARL	MOTOROLA	MPSA13	A	EA	4	
Q203	240025	TRAN NPN DARL	MOTOROLA	MPSA13	A	EA	-	
Q204	240025	TRAN NPN DARL	MOTOROLA	MPSA13	A	EA	-	
Q205	240025	TRAN NPN DARL	MOTOROLA	MPSA13	A	EA	-	
U101	280043	IC DIG LATCH DECODER 4:16	NATIONAL	CD4515BCN		EA	1	
U102	280083	IC DIG NOR2 X4	PHILIPS	HEF4001BP	S	EA	8	
U103	280083	IC DIG NOR2 X4	PHILIPS	HEF4001BP	S	EA	-	
U104	280083	IC DIG NOR2 X4	PHILIPS	HEF4001BP	S	EA	-	
U105	290180	IC DIG DRIVER DARLINGTON X8 OE	ALLEGRO	UDN-2580A	A	EA	5	
U106	290180	IC DIG DRIVER DARLINGTON X8 OE	ALLEGRO	UDN-2580A	A	EA	-	
U107	290180	IC DIG DRIVER DARLINGTON X8 OE	ALLEGRO	UDN-2580A	A	EA	-	
U108	290180	IC DIG DRIVER DARLINGTON X8 OE	ALLEGRO	UDN-2580A	A	EA	-	
U109	280011	IC DIG FLIP FLOP D X2	MOTOROLA	MC14013BCP	A	EA	2	
U110	260143	IC LIN OP AMP DUAL POWER	SGS-THOMSON	L272M		EA	1	
U111	280083	IC DIG NOR2 X4	PHILIPS	HEF4001BP	S	EA	-	
U112	280083	IC DIG NOR2 X4	PHILIPS	HEF4001BP	S	EA	-	
U113	280007	IC DIG NAND3 X3	MOTOROLA	MC14023BCP	A	EA	1	
U201	280103	IC DIG KEYBOARD/DISPLAY I/F	MITSUBISHI	MSL8279P-5	A	EA	1	
U202	270071	IC DIG DECODER 2:4 OC X2	NATIONAL	DM74LS156N	A	EA	1	
U203	280090	IC DIG DECODER 2:4 X2	MOTOROLA	MC14555BCP		EA	1	
U204	280083	IC DIG NOR2 X4	PHILIPS	HEF4001BP	S	EA	-	
U205	280011	IC DIG FLIP FLOP D X2	MOTOROLA	MC14013BCP	A	EA	-	
U206	290180	IC DIG DRIVER DARLINGTON X8 OE	ALLEGRO	UDN-2580A	A	EA	-	
U207	260097	IC LIN REG 5V 1A	SGS	L7805ACV	A	EA	1	
U208	280083	IC DIG NOR2 X4	PHILIPS	HEF4001BP	S	EA	-	
U209	280083	IC DIG NOR2 X4	PHILIPS	HEF4001BP	S	EA	-	
J101	604119	PLUG PCB 48-WAY .1" 2-ROW	SAMTEK	TSW-124-17-G-D		EA	3	
J102	604119	PLUG PCB 48-WAY .1" 2-ROW	SAMTEK	TSW-124-17-G-D		EA	-	
J103	604119	PLUG PCB 48-WAY .1" 2-ROW	SAMTEK	TSW-124-17-G-D		EA	-	
J204	604077	PLUG PCB 16-WAY 90 DEG HEADER	3M	3599-5002UN		EA	2	
J205	604077	PLUG PCB 16-WAY 90 DEG HEADER	3M	3599-5002UN		EA	-	
TP101	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	8	
TP102	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP103	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP104	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP201	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP202	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP203	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP204	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
DS101	800038-1	DISPLAY V.F.18MM X 8.5 DIGIT	ITRON	SEE DRG		EA	2	
DS102	800038-1	DISPLAY V.F.18MM X 8.5 DIGIT	ITRON	SEE DRG		EA	-	
LS201	920096	BUZZER PIEZO	TOKO	PB2720	A	EA	1	
	410465-B	PCB DISPLAY 4800	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	450902-1	BLOCK DISPLAY MTC 4800	JTF	SEE DRG		EA	4	
	540001	WIRE 1/.56 TINNED COPPER	BICC	SEE DRG		AR	1	
	611016	SCREW M3 X 8 POZIPAN SZP	GN	SEE DRG		EA	1	
	611097	SCREW M2 X 6 POZIPAN SZP	GN	SEE DRG		EA	2	
	613005	WASHER M3 INT SHAKP SZP	GN	SEE DRG		EA	1	
	613026	WASHER M2 PLAIN SZP	GN	SEE DRG		EA	2	
	613027	WASHER M2 INT SHAKP SZP	GN	SEE DRG		EA	2	
	614003-1	SPACER M3 CLEAR X 6	SWIFT ENGINEERING	SEE DRG		EA	2	
	615002	NUT FULL M3 SZP	GN	SEE DRG		EA	1	
	615016	NUT FULL M2 SZP	GN	SEE DRG		EA	2	
	620006	SOLDER TURRET	HARWIN	H9001-01		EA	2	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2/D0006		EA	2	
	630092	TAPE 1"x1/32" DBL SIDED	3M	4032		AR	1	

End

DRAWING No.		DATE	ISSUE	REVISION	ISSUE - REVISION
LD400995					
DOCUMENT LIST					
DISTRIBUTION					
PARTS LIST					
ASSEMBLY DRAWING					
CIRCUIT DIAGRAM					
TEST PROCEDURES					
TEST SPECIFICATION					
PCB					
NOTES					

1.0 3189 12 APR 72
 1.1 3829 28 APR 72
 2.0 5784 17 MAY 72
 2.1 13942 8 OCT 72

NOTES: DENOTES NO CHANGE TO DCS AT ISSUE LEVEL CHANGE


DATRON *JL* *AK* TITLE: 4800 DRAWING No. LD400995

DATE DATE DATE TERMINAL BOARD ASS

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB TERMINAL 4800 DRG NO: LP400995-2 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C1	120037	CAP PC 330PF 20% 400V	WIMA	FKC3 330 20% 400V			EA 1	
C2	104037	CAP CD 22PF 10% 2KV	BECK	HD10UJ22PKSAB	A		EA 2	
C3	104037	CAP CD 22PF 10% 2KV	BECK	HD10UJ22PKSAB	A		EA -	
C4	104032	CAP CD 220PF 10% 2KV	BECK	HD09K1220PKSAB	A		EA 2	
C5	104032	CAP CD 220PF 10% 2KV	BECK	HD09K1220PKSAB	A		EA -	
C6	104068	CAP CD 220PF 10% 2KV	BECK	HD16K1220PKSAB			EA 1	
K1	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V			EA 1	
L1	370027	CHOKO RF 47UH 198mA	SIGMA	30-10-2533-10			EA 2	
L2	370027	CHOKO RF 47UH 198mA	SIGMA	30-10-2533-10			EA -	
B1	920181	BEAD FERRITE	PHILIPS	FX4029			EA 2	
B2	920181	BEAD FERRITE	PHILIPS	FX4029			EA -	
B3	920145	BEAD FERRITE	PHILIPS	FX4026	A		EA 4	
B4	920145	BEAD FERRITE	PHILIPS	FX4026	A		EA -	
B5	920145	BEAD FERRITE	PHILIPS	FX4026	A		EA -	
B6	920145	BEAD FERRITE	PHILIPS	FX4026	A		EA -	
400184-2		ASSY EARTH BRAID	DATRON	SEE DRG			EA 1	
401027-1		ASSY SAFETY TERMINAL GRY/BLK	DATRON	SEE DRG			EA 1	
401028-1		ASSY SAFETY TERMINAL GRY/RED	DATRON	SEE DRG			EA 1	
401029-1		ASSY SAFETY TERMINAL GRY/BRN	DATRON	SEE DRG			EA 1	
401030-1		ASSY SAFETY TERMINAL GRY/BLU	DATRON	SEE DRG			EA 1	
401031-1		ASSY SAFETY TERMINAL GRY/WHT	DATRON	SEE DRG			EA 1	
401032-1		ASSY SAFETY TERMINAL GRY/GRN	DATRON	SEE DRG			EA 1	
401033-1		ASSY CABLE FRONT G/P 4800	DATRON	SEE DRG			EA 2	
410467-1		PCB TERMINAL 4800	MANCHESTER CIRCUITS	SEE DRG			EA 1	
450823-1		SPACER SAFETY TERM 4700	SWIFT ENGINEERING	SEE DRG			EA 1	
450883-1		PLATE TERMINAL 4800	ADVANCE	SEE DRG			EA 1	
512444		WIRE 7/.2 PTFE 1KV YLW	BICC	SEE DRG			AR 1	
512888		WIRE 7/.2 PTFE 1KV GRY	BICC	SEE DRG			AR 1	
512999		WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG			AR 1	
521006		WIRE 16/.2 PVC 1KV GRN/YLW	BICC	SEE DRG			AR 1	
540002		WIRE 1/.7 TINNED COPPER	BICC	SEE DRG			AR 1	
590003		SLEEVE HS 6.4mm YLW	RS COMPONENTS	399-524			AR 1	
590006		SLEEVE HS 2.4mm YLW	RS COMPONENTS	399-495			AR 1	
590017		HEATSRINK MARKER 1	HELLERMANN	LVR127-YELLOW 5MM			EA 1	
590018		HEATSRINK MARKER 2	HELLERMANN	LVR127-YELLOW 5MM			EA 1	
590032		SLEEVE HS 4.8mm YLW	RS COMPONENTS	399-518			AR 1	
590101		SLEEVE NP 1.5 X 10MM BLK	HELLERMANN	H15 2.10MM BLK			EA 12	
613009		SOLDER TAG 4 BR STP	RS COMPONENTS	532-535			EA 3	
613020		WASHER M4 PLAIN SZP	GKN	SEE DRG			EA 6	
613021		WASHER M4 INT SHAKP SZP	GKN	SEE DRG			EA 6	
620003		PIN SOLDER	MILL-MAX	3130200010000080			EA 16	

End

DRAWING No. LD400996		CHK'D	
DOCUMENT LIST		DATE	
DISTRIBUTION		ECO	
		REVISION	
		ISSUE	1.0 3780 FEB 91
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE, REVISION
PARTS LIST	LP400996	ALL	1.0 1.0
ASSEMBLY DRAWING	DA400996	1	1.0 1.0
CIRCUIT DIAGRAM	DC400996	1	1.0
TEST PROCEDURE	PT400996	-	1.0
TEST SPECIFICATION			
PCB	410468	-	AD
NOTES <input type="checkbox"/> DENOTES NO CHANGE TO DCOS AT ISSUE LEVEL CHANGE			
		DRN 1JL DATE 7 JAN 91	CHK'D MJD DATE 7 FEB 91
		TITLE 4800 POWER SUPPLY O.C. PCB. ASSY.	
		DRAWING No. LD400996 SHEET 1 OF 1	

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB P/S OUT GUARD 4800 DRG NO: LP400996-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R101	008024	RES WW OR27 10% 2.5W	WELWYN	W21-OR27				EA 1
R102	008022	RES MF OR27 10% .5W	STC	RN05/R27/10				EA 2
R103	008022	RES MF OR27 10% .5W	STC	RN05/R27/10				EA -
R104	013528	RES MF 33R2 1% .12W 50PPM	MEC	H8 33R2 1% 50PPM	A			EA 1
R105	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A			EA 2
R106	014758	RES MF 47R5 1% .12W 50PPM	MEC	H8 47R5 1% 50PPM	A			EA 2
R107	013922	RES MF 39K2 1% .12W 50PPM	MEC	H8 39K2 1% 50PPM	A			EA 1
R108	013742	RES MF 37K4 1% .12W 50PPM	MEC	H8 37K4 1% 50PPM	A			EA 1
R109	014758	RES MF 47R5 1% .12W 50PPM	MEC	H8 47R5 1% 50PPM	A			EA -
R110	011821	RES MF 1K82 1% .12W 50PPM	MEC	H8 1K82 1% 50PPM	A			EA 1
R111	012210	RES MF 221R 1% .12W 50PPM	MEC	H8 221R 1% 50PPM	A			EA 1
R112	090001	THERMISTOR PTC 80R	PHILIPS	VA8650				EA 1
R113	011001	RES MF 1K00 1% .12W 50PPM	MEC	H8 1K00 1% 50PPM	A			EA -
R114	011782	RES MF 17K8 1% .12W 50PPM	MEC	H8 17K8 1% 50PPM	A			EA 1
R115	015230	RES MF 523R 1% .12W 50PPM	MEC	H8 523R 1% 50PPM	A			EA 1
R116	011000	RES MF 100R 1% .12W 50PPM	MEC	H8 100R 1% 50PPM	A			EA 1
R117	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A			EA 3
R118	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A			EA -
R119	066205	RES CT 2M SIDE ADJ S/T	BECKMAN	72XWR2M				EA 1
R120	011003	RES MF 100K 1% .12W 50PPM	MEC	H8 100K 1% 50PPM	A			EA -
C101	180004	CAP AE 4700UF 16V	STRATITE	EG001G447D				EA 1
C102	102222	CAP CD 2N2F 20% 500V	BECK	CD10K202N2MSCR	A			EA 1
C103	110005	CAP PE 10NF 10% 400V	PHILIPS	2222 368 55103				EA 1
C104	150006	CAP DT 4U7F 20% 16V	AVX	TAP475M016F	A			EA 1
C105	150017	CAP DT 100UF 20% 16V	AVX	TAP107M016F	A			EA 1
C106	180071	CAP AE 100UF 100V	PHILIPS	2222 021 19101				EA 1
C107	180054	CAP AE 1UF 20% 100V	NIPPON CHEMI-CON	KMVB1/100M				EA 2
C108	180072	CAP AE 3300UF 25V	PHILIPS	2222 021 16332				EA 1
C109	180054	CAP AE 1UF 20% 100V	NIPPON CHEMI-CON	KMVB1/100M				EA -
C110	104030	CAP CD 100PF 10% 4KV	BECK	HD16WK100PKSCR				EA 1
D101	200022	DIODE GP 3A 400V	MOTOROLA	BY252	A			EA 6
D102	200022	DIODE GP 3A 400V	MOTOROLA	BY252	A			EA -
D103	210027	DIODE 2N 2V7 400mW	PHILIPS	BZX79C2V7	A			EA 1
D104	214012	DIODE 2N 2V45 2.8% 150PPM	FERRANTI	ZN458	A			EA 1
D105	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A			EA 1
D106	200022	DIODE GP 3A 400V	MOTOROLA	BY252	A			EA -
D107	200022	DIODE GP 3A 400V	MOTOROLA	BY252	A			EA -
D108	200022	DIODE GP 3A 400V	MOTOROLA	BY252	A			EA -
D109	200022	DIODE GP 3A 400V	MOTOROLA	BY252	A			EA -
Q101	250011	TRAN PNP TO92	MOTOROLA	BC327	A			EA 2
Q102	250016	TRAN PNP	MOTOROLA	MJ2955				EA 2
Q103	250016	TRAN PNP	MOTOROLA	MJ2955				EA -
Q104	240024	TRAN NPN	MOTOROLA	TIP31A				EA 1
U101	260061	IC LIN OP AMP	RCA	CA3140E				EA 1
U102	260037	IC LIN REG 1.2-37V 1A POS	NATIONAL	LM317T	A			EA 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
U103	260038	IC LIN REG 1.2-37V 1A NEG	NATIONAL	LM337T			EA 1	
J4	99027C	PLUG PCB EDGE 27 NOT FITTED	DATRON	99027C			EA 1	
J5	604121	PLUG PCB 4-WAY .156 RT ANG GPL	MOLEX	26-28-2041			EA 1	
J31	604042	PLUG PCB 4-WAY .156" GD PL	MOLEX	09-72-2041			EA 2	
J32	604042	PLUG PCB 4-WAY .156" GD PL	MOLEX	09-72-2041			EA -	
TP101	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA 10	
TP102	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA -	
TP103	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA -	
TP104	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA -	
TP105	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA -	
TP106	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA -	
TP107	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA -	
TP108	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA -	
TP109	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA -	
TP110	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30			EA -	
F101	920128	FUSE 4A 250V 20MM SLO-BL	BELLING LEE	L2080A/4			EA 1	
	410468-A	PCB PS OG 4800	MANCHESTER CIRCUITS	SEE DRG			EA 1	
	420098	LABEL SERIAL/ASSY No	RS COMPONENTS	554-793			EA 1	
	420112-1	LABEL SSD WARNING 12 X 12mm	TEKNIS	LN1212		A	EA 1	
	420126-1	LABEL FUSE RATING 4.0A(T)	BRADY	SEE DRG			EA 1	
	611006	SCREW M3 X 10 POZIPAN SZP	GKN	SEE DRG			EA 4	
	611016	SCREW M3 X 8 POZIPAN SZP	GKN	SEE DRG			EA 3	
	613005	WASHER M3 INT SHAKP SZP	GKN	SEE DRG			EA 7	
	613007	WASHER M3 PLAIN SZP	GKN	SEE DRG			EA 4	
	615002	NUT FULL M3 SZP	GKN	SEE DRG			EA 7	
	618004	PAD MNTG T018	JERMYN	T018-008D			EA 1	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2/D0006			EA 20	
	900003	HEATSINK COMPOUND	RS COMPONENTS	554-311			AR 1	
	900004	SILICONE RUBBER COMPOUND	RS COMPONENTS	555-588			AR 1	
	920088-1	HEATSINK T03	SEE DRG				EA 2	
	920089-1	HEATSINK T0220	THERMALLOY	6073B			EA 1	
	920126	FUSE HOLDER PCB 20MM	BELLING LEE	L1426			EA 1	
	920144	HEATSINK T0220	REDPOINT	TV1500			EA 1	
ST101	99908S	STAR-POINT 08 NOT FITTED	DATRON	99908S			EA 1	

End

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R59	000101	RES CF 100R 5% .25W	NEOHM	CFR25 100R 5%	A	EA	-	
R79	080081-2	RES FL 10R000 0.1% 2PPM	VISHAY MANN	VHP4 TO DRG		EA	1	
R80	080022-1	RES FL 0R1 1% 3PPM	VISHAY MANN	SEE DRG		EA	1	
R81	000471	RES CF 470R 5% .25W	NEOHM	CFR25 470R 5%	A	EA	1	
R82	041825	RES MF 18M2 1% .12W 150PPM	MEPCO	5053Y118M20F	A	EA	2	
R83	041825	RES MF 18M2 1% .12W 150PPM	MEPCO	5053Y118M20F	A	EA	-	
R85	000222	RES CF 2K2 5% .25W	NEOHM	CFR25 2K2 5%	A	EA	1	
R86	000102	RES CF 1K0 5% .25W	NEOHM	CFR25 1K0 5%	A	EA	-	
R87	000274	RES CF 270K 5% .25W	NEOHM	CFR25 270K 5%	A	EA	2	
R88	000274	RES CF 270K 5% .25W	NEOHM	CFR25 270K 5%	A	EA	-	
R89	000220	RES CF 22R 5% .25W	NEOHM	CFR25 22R 5%	A	EA	1	
R91	014322	RES MF 43K2 1% .12W 50PPM	MEC	H8 43K2 1% 50PPM	A	EA	2	
R92	014322	RES MF 43K2 1% .12W 50PPM	MEC	H8 43K2 1% 50PPM	A	EA	-	
R93	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	2	
R94	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	-	
R95	012212	RES MF 22K1 1% .12W 50PPM	MEC	H8 22K1 1% 50PPM	A	EA	1	
R96	014992	RES MF 49K9 1% .12W 50PPM	MEC	H8 49K9 1% 50PPM	A	EA	1	
R97	019091	RES MF 9K09 1% .12W 50PPM	MEC	H8 9K09 1% 50PPM	A	EA	1	
AN1	090096	RES NTKW 1M X 8 2%	BECKMAN	LO9-1S-R1M	A	EA	2	
AN2	090085	RES PACK 12K X 8 2%	BECKMAN	898-3-R12K	A	EA	1	
AN3	090096	RES NTKW 1M X 8 2%	BECKMAN	LO9-1S-R1M	A	EA	-	
AN4	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3S-R10K	A	EA	2	
AN5	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3S-R10K	A	EA	-	
C1	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	17	
C2	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C4	110035	CAP PE 220NF 20% 63V	WIMA	MKS2 0.22 20% 63V		EA	2	
C5	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C6	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C7	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C12	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C13	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	2	
C14	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C15	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V		EA	3	
C16	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V		EA	-	
C17	110035	CAP PE 220NF 20% 63V	WIMA	MKS2 0.22 20% 63V		EA	-	
C18	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V		EA	-	
C19	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	4	
C20	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C21	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C22	150004	CAP DT 100UF 20% 6V3	AVX	TAP107M006F	A	EA	1	
C23	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C24	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C25	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C26	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C27	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C28	150020	CAP DT 10UF 20% 25V	AVX	TAP106M025F	A	EA	-	
C29	150005	CAP DT 2U2F 20% 16V	AVX	TAP225M016F	A	EA	2	
C30	150005	CAP DT 2U2F 20% 16V	AVX	TAP225M016F	A	EA	-	
C31	102100	CAP CD 10PF 20% 500V NPO	BECK	CD08CG10P0M5CR	A	EA	1	
C32	150016	CAP DT 1UF 20% 35V	AVX	TAP105M035F	A	EA	-	
C33	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C34	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C35	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C36	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	2	
C37	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	-	
C38	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C39	104026	CAP CM 47NF +80%-20% 50V	AVX	SRI75E473ZAA	A	EA	-	
C43	102330	CAP CD 33PF 5% 500V NPO	MURATA	DD07-69CH330J500	A	EA	2	
C44	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47P0M5CR	A	EA	2	
C47	102330	CAP CD 33PF 5% 500V NPO	MURATA	DD07-69CH330J500	A	EA	-	
C48	102270	CAP CD 27PF 20% 500V NPO	BECK	CD10CG27P0M5CR	A	EA	1	
C49	102470	CAP CD 47PF 20% 500V N470	BECK	CD10TH47P0M5CR	A	EA	-	
D1	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	5	
D2	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D3	210062	DIODE ZN 6V2 400mW	PHILIPS	BZX79C6V2	A	EA	2	
D4	210062	DIODE ZN 6V2 400mW	PHILIPS	BZX79C6V2	A	EA	-	
D5	213012	DIODE VR 2V0 250mW	PHILIPS	BZV86-2V0	A	EA	1	
D6	210033	DIODE ZN 3V3 400mW	PHILIPS	BZX79C3V3	A	EA	1	
D7	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	4	
D8	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D9	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D10	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148	A	EA	-	
D11	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D12	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D13	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D16	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	2	
D17	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	-	
D18	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	2	
D19	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	-	
Q1	250011	TRAN PNP T092	MOTOROLA	BC327	A	EA	1	
Q2	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506		EA	3	
Q3	250004	TRAN PNP T092	MOTOROLA	2N3906	A	EA	1	
Q4	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506		EA	-	
Q5	240006	TRAN NPN T092	MOTOROLA	2N3904	A	EA	2	
Q6	230031	TRAN JFET N-CHAN DUAL	SILICONIX	U404	A	EA	1	
Q7	230036	TRAN JFET N CHAN	SILICONIX	J108	A	EA	1	
Q9	230001	TRAN JFET I LIM 1.4mA	SILICONIX	J506		EA	-	
Q11	240006	TRAN NPN T092	MOTOROLA	2N3904	A	EA	-	
M1	260069	IC LIM OP AMP	NATIONAL	LF411CH		EA	2	
M3	260083	IC LIN OP AMP CHOPPER	LINEAR TECHNOLOGY	LTC1052CN		EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
M4	260065	IC LIN OP AMP	PMI	OP27FZ	A	EA	2	
M6	280035	IC DIG DECODER BCDTODEC	MOTOROLA	MC14028BCP	A	EA	1	
M7	260069	IC LIN OP AMP	NATIONAL	LF411CH	A	EA	-	
M8	260065	IC LIN OP AMP	PMI	OP27FZ	A	EA	-	
M9	280045	IC DIG NOR3 X3	MOTOROLA	MC14025BCP	A	EA	2	
M10	260086	IC LIN AUDIO AMP DUAL 2W	NATIONAL	LM1877N		EA	1	
M12	290090	IC DIG DRIVER DARLINGTON X7	EXAR	XR2202CP	A	EA	1	
M15	260039	IC LIN OP AMP QUAD	NATIONAL	LM324N		EA	1	
M16	280023	IC DIG NOR2 QUAD	MOTOROLA	MC14001UBCP		EA	1	
M17	280017	IC DIG INV X6	MOTOROLA	MC14069UBCP		EA	1	
M19	290045	IC DIG NOR3 X3	MOTOROLA	MC14025BCP	A	EA	-	
M20	260042	IC LIN OP AMP DUAL	SIGNETICS	NE5532N		EA	1	
RL1	330042-2	RELAY 3PNO 1PNC 6V	SDS	S3-L-6V TO DRG		EA	1	
RL2	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134 TO DRG		EA	4	
RL3	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134 TO DRG		EA	-	
RL4	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134 TO DRG		EA	-	
RL5	330012-3	RELAY 1PNO REED GUARDED	HAMLIN	HE721A5134 TO DRG		EA	-	
RL7	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	2	
RL8	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	2	
RL9	330029	RELAY 2PCO 24V	SDS	DS2E-DC24V		EA	-	
RL23	330039	RELAY 4PNO 6V	SDS	S4-L-6V		EA	-	
RL26	330040	RELAY 1PCO LATCH 6V 1KV	SDS	DSL1-SL-6V		EA	1	
L1	370001	CHOKO RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	2	
L2	370001	CHOKO RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
J1A	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041		EA	2	
J1B	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041		EA	-	
F5	920125	FUSE 2.5A 125V 7mm	LITTELFUSE	275 02.5		EA	1	
	400669-1	ASSY PCB I/OHMS CLAMP 4700	DATRON	SEE DRG		EA	1	
	410347-1	PCB CURRENT/OHMS 4700	MANCHESTER CIRCUITS	SEE DRG		EA	1	
	450419-2	HEATSINK CURRENT 4700	ADVANCE	SEE DRG		EA	1	
	512000	WIRE 7/.2 PTFE 1KV BLK	BICC	SEE DRG		AR	1	
	512111	WIRE 7/.2 PTFE 1KV BRN	BICC	SEE DRG		AR	1	
	512222	WIRE 7/.2 PTFE 1KV RED	BICC	SEE DRG		AR	1	
	512333	WIRE 7/.2 PTFE 1KV ORG	BICC	SEE DRG		AR	1	
	512444	WIRE 7/.2 PTFE 1KV YLW	BICC	SEE DRG		AR	1	
	512555	WIRE 7/.2 PTFE 1KV GRN	BICC	SEE DRG		AR	1	
	512666	WIRE 7/.2 PTFE 1KV BLU	BICC	SEE DRG		AR	1	
	512777	WIRE 7/.2 PTFE 1KV VLT	BICC	SEE DRG		AR	1	
	512888	WIRE 7/.2 PTFE 1KV GRY	BICC	SEE DRG		AR	1	
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG		AR	1	
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG		AR	1	
	560008-3	CABLE 4-CORE 7/.2 PTFE SC	BICC	SEE DRG		AR	1	
	590001	SLEEVE NP 1.5 X 20MM BLK	HELLERMANN	H15 X 20MM BLK		EA	4	
	590007	LACING TAPE 1.6MM	ALPHA	LCL134	S	AR	1	
	590029	SLEEVE HS 9.0mm BLK	HELLERMANN	SFM9-3BK		AR	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	590076	SOLDER SLEEVE DIAM. 7.3	RAYFAST	CWT-7		EA	1	
	605052	BOUSING 8-WAY .1"	MOLEX	6471 SERIES 22-01-20		EA	1	
	605057-1	CRIMP TERM .100 GD PL REEL	MOLEX	08-56-0120 TO DRG		EA	8	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	3	
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A	EA	7	
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A	EA	3	
	605070	SOCKET PCB 20-WAY DIL	JERMYN	J23-18020	A	EA	2	
	611004	SCREW M3 X 6 POZIPAN SZP	GKN	SEE DRG		EA	3	
	611008	SCREW M3 X 10 POZICKS SZP	GKN	SEE DRG		EA	2	
	611015	SCREW M3 X 8 POZICKS SZP	GKN	SEE DRG		EA	2	
	613005	WASHER M3 INT SHAKP SZP	GKN	SEE DRG		EA	2	
	613017	WASHER M3 PLAIN NYL	PLASTIC SCREWS	SEE DRG		EA	12	
	613029	WASHER M3 CRINKLE SS	GKN	SEE DRG		EA	5	
	615002	NUT FULL M3 SZP	GKN	SEE DRG		EA	4	
	618001	BUSH INSUL TO220	PHILIPS	56359C		EA	2	
	620001	CLOVERLEAF SMALL PTFE	SEALCTRO	011-6808-040599		EA	2	
	620003	FIN SOLDER	MILL-MAX	3130200010000080		EA	1	
	620005	CLOVERLEAF LARGE PTFE	SEALCTRO	011-6809-040599		EA	9	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	11	
	630003	CLIP 'P' 4.8	SES	CN5		EA	2	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2/D0006		EA	14	
	630036	BEAD CERAMIC 18 SWG	PARK ROYAL PORCELAIN	No1/D0005		EA	12	
	630122	PCB EJECTOR BLUE	RICCHCO	CBE-16		EA	2	
	630167	TAPE FOAM 6mm X 9mm WIDE	TESA	TESAMOLL 761/4763		AR	1	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL PREFORMS LT	M5363E/3		EA	32	
	900003	HEATSINK COMPOUND	RS COMPONENTS	554-311		AR	1	

End

DRAWING NO. LD401046		CHG D	1.0 3780 02.91.92												
DOCUMENT LIST		DATE													
DISTRIBUTION		E.C.O.													
		REVISION ISSUE													
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION												
PARTS LIST	LD401046	ALL	1.0												
ASSEMBLY DRAWING															
CIRCUIT DIAGRAM															
TEST PROCEDURE															
TEST SPECIFICATION															
P.C.L.															

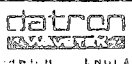
NOTE: DEMOTES NO CHANGE TO DOCS AT ISSUE LEVEL CHANGE

datron	DRM	CHG D	PD	TITLE	DRAWING NO.
<small>HORVICH ENG. CO.</small>	1.0	1.0	1.0	4808	LD401046
	DATE	DATE	DATE	CURRENT ASSY.	
	13 FEB 91	14 FEB 91	27 FEB 91		

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY CURRENT 4808 DRG NO: LP401046-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	401008-1	ASSY PCB CURRENT 4708	DATRON	SEE DRG			EA 1	

End

DRAWING NO LD401047		CHRG	
DOCUMENT LIST		DATE	
DISTRIBUTION		ECO	
		REVISION	
		ISSUE	
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION
PARTS LIST	LP401047	ALL	I.O. I.D.
ASSEMBLY DRAWING	DA401047	1	I.O. I.O.
CIRCUIT DIAGRAM	DC401047	1	I.O. I.O.
	DC401047	2	I.O. I.O.
TEST PROCEDURE			
TEST SPECIFICATION			
PCB			
NOTES □ DENOTES NO CHANGE TO DCS AT ISSUE LEVEL CHANGE		 UHN JL DATE 4-11-91 CHRG d.d. DATE 6-11-91 TITLE 4800 OHMS PCB ASSY DRAWING NO LD401047	


DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY PCB OHMS 4808 DRG NO: LP401047-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R51	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	2	
R52	000153	RES CF 15K 5% .25W	NEOHM	CFR25 15K 5%	A	EA	1	
R53	067201	RES CT 200R SIDE ADJ M/T	BECKMAN	68XR200R	A	EA	1	
R54	067502	RES CT 5K SIDE ADJ M/T	BECKMAN	68XR5K	A	EA	1	
R55	067503	RES CT 50K SIDE ADJ M/T	BECKMAN	68XR50K	A	EA	1	
R56	067504	RES CT 500K SIDE ADJ M/T	BECKMAN	68XR500K	A	EA	1	
R57	067205	RES CT 2M SIDE ADJ M/T	BECKMAN	68XR2M	A	EA	1	
R58	067100	RES CT 10R SIDE ADJ M/T	BECKMAN	68XR10R	A	EA	1	
R60	041655	RES MF 16M5 1% .12W 150PPM	MEPCO	5053YL16M50F	A	EA	1	
R61	011698	RES MF 16R9 1% .12W 50PPM	MEC	H8 16R9 1% 50PPM	A	EA	1	
R62	070134-3	RES WW 99K980 0.005% 1PPM	VISHAY MANN	UP400 TO DRG	A	EA	1	
R63	070133-3	RES WW 10K006 0.005% 1PPM	VISHAY MANN	UP400 TO DRG	A	EA	1	
R64	070132-3	RES WW 1K0004 0.005% 1PPM	VISHAY MANN	UP400 TO DRG	A	EA	1	
R65	070131-3	RES WW 100R04 0.005% 1PPM	VISHAY MANN	UP400 TO DRG	A	EA	1	
R66	012493	RES MF 249K 1% .12W 50PPM	MEC	H8 249K 1% 50PPM	A	EA	1	
R67	000105	RES CF 1M0 5% .25W	NEOHM	CFR25 1M0 5%	A	EA	-	
R68	042264	RES MF 2M26 1% .12W 100PPM	MEC	H8 2M26 1% 100PPM	A	EA	1	
R69	011503	RES MF 150K 1% .12W 50PPM	MEC	H8 150K 1% 50PPM	A	EA	1	
R70	012672	RES MF 26K7 1% .12W 50PPM	MEC	H8 26K7 1% 50PPM	A	EA	1	
R71	068097-1	RES FL 99M8 0.1% 15PPM	CADDOCK	TF656R TO DRG	A	EA	1	
R72	070130-3	RES WW 10R004 0.005% 2PPM	VISHAY MANN	UP500 TO DRG	A	EA	1	
R73	070136-3	RES WW 9M9940 0.005% 3PPM	VISHAY MANN	UP500 TO DRG	A	EA	1	
R74	070196-1	RES WW 999K70 0.005%	VISHAY MANN	SEE DRG	A	EA	1	
R75	014991	RES MF 4K99 1% .12W 50PPM	MEC	H8 4K99 1% 50PPM	A	EA	1	
R76	012670	RES MF 267R 1% .12W 50PPM	MEC	H8 267R 1% 50PPM	A	EA	1	
R77	064104	RES CT 100K SIDE ADJ M/T	BECKMAN	89PR100K	A	EA	1	
R78	064202	RES CT 2K SIDE ADJ M/T	BECKMAN	89PR2K	A	EA	1	
R79	000274	RES CF 270K 5% .25W	NEOHM	CFR25 270K 5%	A	EA	2	
R88	000274	RES CF 270K 5% .25W	NEOHM	CFR25 270K 5%	A	EA	-	
R89	000220	RES CF 22R 5% .25W	NEOHM	CFR25 22R 5%	A	EA	1	
R91	014322	RES MF 43K2 1% .12W 50PPM	MEC	H8 43K2 1% 50PPM	A	EA	2	
R92	014322	RES MF 43K2 1% .12W 50PPM	MEC	H8 43K2 1% 50PPM	A	EA	-	
R93	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	2	
R94	012742	RES MF 27K4 1% .12W 50PPM	MEC	H8 27K4 1% 50PPM	A	EA	-	
R95	012212	RES MF 22K1 1% .12W 50PPM	MEC	H8 22K1 1% 50PPM	A	EA	1	
R96	014992	RES MF 49K9 1% .12W 50PPM	MEC	H8 49K9 1% 50PPM	A	EA	1	
R97	019091	RES MF 9K09 1% .12W 50PPM	MEC	H8 9K09 1% 50PPM	A	EA	1	
AN1	090096	RES NTHK 1M X 8 2%	BECKMAN	LO8-1S-R1M	A	EA	2	
AN3	090096	RES NTHK 1M X 8 2%	BECKMAN	LO9-1S-R1M	A	EA	-	
AN4	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3S-R10K	A	EA	2	
AN5	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3S-R10K	A	EA	-	
C6	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	8	
C7	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
CL8	110042	CAP PE 100NF 20% 63V	WIMA	MKS2 0.1 20% 63V	A	EA	1	
C24	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C33	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C34	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C35	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C36	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	2	
C37	150021	CAP DT 22UF 20% 25V	AVX	TAP226M025F	A	EA	-	
C38	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C39	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZAA	A	EA	-	
C40	140054	CAP PP 1NF 20% 1KV	WIMA	FKP1 1000 20% 1250V	A	EA	3	
C41	140054	CAP PP 1NF 20% 1KV	WIMA	FKP1 1000 20% 1250V	A	EA	-	
C42	140054	CAP PP 1NF 20% 1KV	WIMA	FKP1 1000 20% 1250V	A	EA	-	
C46	102101	CAP CD 100PF 20% 500V NPO	BECK	CD10WK100PMSCR	A	EA	1	
D1	200001	DIODE GP 75mA 75V	FAIRCHILD	IN4148	A	EA	2	
D2	200001	DIODE GP 75mA 75V	FAIRCHILD	IN4148	A	EA	-	
D5	213012	DIODE VR 2V0 250mW	PHILLIPS	BZV86-2V0	A	EA	1	
D7	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	4	
D11	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D12	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
D13	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
Q1	250011	TRAN PNE T092	MOTOROLA	BC327	A	EA	1	
Q7	230036	TRAN JFET N CHAN	SILICONIX	J108	A	EA	1	
M6	280035	IC DIG DECODER BCDTODEC	MOTOROLA	MC14028BCP	A	EA	1	
M9	280045	IC DIG NOR3 X3	MOTOROLA	MC14025BCP	A	EA	2	
M10	260086	IC LIN AUDIO AMP DUAL 2W	NATIONAL	LM1877N	A	EA	1	
M12	290090	IC DIG DRIVER DARLINGTON X7	EXAR	XR2202CP	A	EA	1	
M16	280023	IC DIG NOR2 QUAD	MOTOROLA	MC14001UBCP	A	EA	1	
M17	280017	IC DIG INV X6	MOTOROLA	MC14069UBCP	A	EA	1	
M19	280045	IC DIG NOR3 X3	MOTOROLA	MC14025BCP	A	EA	-	
M20	260042	IC LIN OP AMP DUAL	SIGNETICS	NE5532N	A	EA	1	
RL10	330039	RELAY 4PNO 6V	SDS	S4-L-6V	A	EA	11	
RL11	330039	RELAY 4PNO 6V	SDS	S4-L-6V	A	EA	-	
RL12	330039	RELAY 4PNO 6V	SDS	S4-L-6V	A	EA	-	
RL13	330039	RELAY 4PNO 6V	SDS	S4-L-6V	A	EA	-	
RL14	330039	RELAY 4PNO 6V	SDS	S4-L-6V	A	EA	-	
RL16	330039	RELAY 4PNO 6V	SDS	S4-L-6V	A	EA	-	
RL17	330039	RELAY 4PNO 6V	SDS	S4-L-6V	A	EA	-	
RL18	330039	RELAY 4PNO 6V	SDS	S4-L-6V	A	EA	-	
RL19	330039	RELAY 4PNO 6V	SDS	S4-L-6V	A	EA	-	
RL20	330039	RELAY 4PNO 6V	SDS	S4-L-6V	A	EA	-	
RL23	330039	RELAY 4PNO 6V	SDS	S4-L-6V	A	EA	-	
RL24	330030	RELAY 4PNO 24V	SDS	S4-24V	A	EA	2	
RL25	330030	RELAY 4PNO 24V	SDS	S4-24V	A	EA	-	
L1	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	2	
L2	370001	CHOKE RF 10UH 510mA	SIGMA	10-10-0525-10	A	EA	-	
F2	920124	FUSE 375MA 125V 7MM	LITTELFUSE	275.375	A	EA	2	
F3	920120	FUSE 1A 125V 7MM	LITTELFUSE	275.025	A	EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
F4	920124	FUSE 375MA 125V 7MM	LITTELFUSE	275.375	A	EA	-	
	400669-1	ASSY PCB I/OHMS CLAMP 4700	DATRON	SEE DRG	A	EA	-	
	410347-1	PCB CURRENT/OHMS 4700	MANCHESTER CIRCUITS	SEE DRG	A	EA	-	
	512111	WIRE 7/.2 PTFE 1KV BRN	BICC	SEE DRG	A	AR	1	
	512222	WIRE 7/.2 PTFE 1KV RED	BICC	SEE DRG	A	AR	1	
	512333	WIRE 7/.2 PTFE 1KV ORG	BICC	SEE DRG	A	AR	1	
	512444	WIRE 7/.2 PTFE 1KV YLN	BICC	SEE DRG	A	AR	1	
	512555	WIRE 7/.2 PTFE 1KV GRN	BICC	SEE DRG	A	AR	1	
	512666	WIRE 7/.2 PTFE 1KV BLU	BICC	SEE DRG	A	AR	1	
	512777	WIRE 7/.2 PTFE 1KV VLT	BICC	SEE DRG	A	AR	1	
	512888	WIRE 7/.2 PTFE 1KV GRY	BICC	SEE DRG	A	AR	1	
	512999	WIRE 7/.2 PTFE 1KV WHT	BICC	SEE DRG	A	AR	1	
	540002	WIRE 1/.7 TINNED COPPER	BICC	SEE DRG	A	AR	1	
	540006	WIRE 1/.4 PTFE 250V BLK	BICC	SEE DRG	A	AR	1	
	602001	TERMINAL PSV	MIL-MAX	1065015013002102	A	EA	16	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	1	
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A	EA	5	
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A	EA	3	
	605070	SOCKET PCB 20-WAY DIL	JERMYN	J23-18020	A	EA	2	
	613017	WASHER M3 PLAIN NYL	PLASTIC SCREWS	SEE DRG	A	EA	22	
	620001	CLOVERLEAF SMALL PTFE	SEAELECTRO	011-6808-040599	A	EA	16	
	620005	CLOVERLEAF LARGE PTFE	SEAELECTRO	011-6809-040599	A	EA	15	
	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30	A	EA	5	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	NO2/D0006	A	EA	4	
	630036	BEAD CERAMIC 18 SWG	PARK ROYAL PORCELAIN	NO1/D0005	A	EA	8	
	630122	PCB EJECTOR BLUE	RICBEO	CBE-16	A	EA	2	


End

DRAWING No. LD401063		CNR'D	
DOCUMENT LIST		DATE	
DISTRIBUTION		ECO	
		REVISION	
		ISSUE	
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE, REVISION
PARTS LIST.	LD401063	ALL	1-0
ASSEMBLY DRAWING.			
CIRCUIT DIAGRAM.			
TEST PROCEDURE.			
TEST SPECIFICATION.			
PCB.			
NOTES			DRN IJL DATE 18 FEB 91
<input type="checkbox"/> DENOTES NO CHANGE TO DOCS AT ISSUE LEVEL CHANGE	DRAWING No. LD401063		TITLE 4808 AC ASSY.

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY AC 4808 DRG NO: LP401063-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS UM	QUANTITY	CHANGES
	400844-1	ASSY PCB AC 4700	DATRON	SEE DRG	EA	1	

END

DRAWING NO. LD401064		CHAD																					
DOCUMENT LIST		DATE																					
DISTRIBUTION		ECC																					
		REVISION																					
		ISSUE																					
DESCRIPTION	DRAWING NUMBER	SHEET NUMBER	ISSUE - REVISION																				
PARTS LIST.	LD401064	ALL	1.0																				
ASSEMBLY DRAWING.																							
CIRCUIT DIAGRAM.																							
TEST PROCEDURE.																							
TEST SPECIFICATION.																							
PCB.																							
NOTES <input type="checkbox"/> DENOTES NO CHANGE TO DCDS AT ISSUE LEVEL CHANGE		 <table border="1"> <tr> <td>DRN</td> <td>CHK</td> <td>ALL</td> <td>TITLE</td> <td>DRAWING NO.</td> </tr> <tr> <td>IJL</td> <td>AJG</td> <td></td> <td>4808</td> <td>LD401064</td> </tr> <tr> <td>DATE</td> <td>DATE</td> <td></td> <td>CURRENT/OHMS ASS</td> <td>SHEET 1 OF 1</td> </tr> <tr> <td>18 FEB 91</td> <td>19 FEB 91</td> <td></td> <td></td> <td></td> </tr> </table>		DRN	CHK	ALL	TITLE	DRAWING NO.	IJL	AJG		4808	LD401064	DATE	DATE		CURRENT/OHMS ASS	SHEET 1 OF 1	18 FEB 91	19 FEB 91			
DRN	CHK	ALL	TITLE	DRAWING NO.																			
IJL	AJG		4808	LD401064																			
DATE	DATE		CURRENT/OHMS ASS	SHEET 1 OF 1																			
18 FEB 91	19 FEB 91																						

DATRON INSTRUMENTS LTD PARTS LIST 09-Mar-92 DESC: ASSY CURRENT/OHMS 4808 DRG NO: LP401064-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS UM	QUANTITY	CHANGES
	400614-1	ASSY PCB CURRENT/OHMS 4700	DATRON	SEE DRG		EA 1	

End

DATRON INSTRUMENTS FAILURE REPORT.

Please complete all sections and return with your instrument.

Company:
Division:Department/Mail Stop
User, Name:TelephoneExt
Serial number:
Datron Return Authorisation numberDate of failure

Brief description of fault:
.....
.....
.....

Fault details:

is the fault present on all ranges? Yes No Not Applicable

if no describe:

is the fault present on all functions? Yes No Not Applicable

is the fault: Permanent Intermittent

if intermittent under what conditions does the fault re-appear

Does the instrument pass 'self test'? Yes No

Any fail/error message displayed:

Now: Yes No if yes describe

At the time of fault: Yes No

if yes describe

Prior to fault: Yes No

if yes describe

Is the instrument used on I.E.E.E 488 bus? Yes No

Is the instrument normally enclosed in a rack? Yes No

Approximate ambient temperature

TERMS AND CONDITIONS OF SALE

1. GENERAL

The acceptance of a quotation, of any goods supplied, advice given or service rendered includes the acceptance of the following terms and conditions and no variation of or addition to the same shall be binding upon us unless expressly agreed in writing by us. Any order shall be subject to our written acceptance.

2. QUOTATION

Unless previously withdrawn our quotation is open to acceptance in writing within the period stated or where no period is stated within thirty (30) days after its date. We reserve the right to correct any errors or omissions in our quotation. Unless otherwise stated all quotations are firm and fixed. The prices quoted are based on manufacture of the quantity and type ordered and are subject to revision when interruptions, engineering changes or changes in quantity are caused or requested by the customer.

3. LIABILITY FOR DELAY

Any delivery times quoted are from the date of our written acceptance of any order and on receipt of all information and drawings to enable us to put the work in hand. Where delivery is to take place by instalments each such instalment shall constitute a separate contract. We will use our best endeavours to complete delivery of the goods or services in the period stated but accept no liability in damages or otherwise for failure to do so for any cause whatsoever. In all cases of delay the delivery time shall be extended by reasonable period having regard to the cause of delay.

4. PAYMENT

Payment shall be made net cash within thirty (30) days of delivery or in accordance with the payment terms set out in the quotation. Unless specifically stated to the contrary payment shall be in pounds sterling. In the event of any payment to us being overdue we may without prejudice to any other right suspend delivery to you or terminate the contract and/or charge you simple interest on overdue amounts at the rate of 2.5% above the ruling Bank of England Minimum Lending Rate. No payment to us shall in any circumstance be offset against any sum owing by us to you whether in respect of the present transaction or otherwise.

5. INSPECTION & TEST

All goods are fully inspected at our works and where practicable subjected to our standard tests before despatch. If tests are required to be witnessed by your representative notice of this must be given at the time of placing the order and notice of readiness will then be given to you seven (7) days in advance of such tests being carried out. In the event of any delay on your part in attending such tests or in carrying out inspection by you after seven (7) days notice of readiness the tests will proceed in your absence and shall be deemed to have been made in your presence and the inspection deemed to have been made by you. In any event you shall be required promptly after witnessing a test or receiving test results of witnessed or unwitnessed tests to notify us in writing of any claimed defects in the goods or of any respect in which it is claimed that the goods do not conform with the contract. Before you become entitled to reject any goods we are to be given reasonable time and opportunity to rectify them. You assume the responsibility that the goods stipulated by you are sufficient and suitable for your purpose and take all steps to ensure that the goods will be safe and without risk to health when properly used. Any additional certification demanded may incur extra cost for which a special quotation will be issued.

6. DELIVERY AND PACKING

All shipments are, unless otherwise specifically provided, Ex-works which is the address given on the invoice. An additional charge will be made for carriage and insurance as necessary with the provision that all shipments shall be insured and this insurance expense shall be paid by the purchaser. Where special domestic or export packing is specified a charge will be made to cover the extra expense involved.

7. DAMAGE IN TRANSIT

Claims for damage in transit or loss in delivery of the goods will only be considered if the carriers and ourselves receive notice of such damage within seven (7) days of delivery or in the event of loss of goods in transit within fourteen (14) days of consignment.

8. TRANSFER OF PROPERTY & RISK

Title and property of the goods shall pass when full payment has been received of all sums due to us whether in respect of the present transaction or not. The risk in the goods shall be deemed to have passed on delivery.

9. WARRANTY

We agree to correct, either by repair, or at our election, by replacement, any defects of material or workmanship which develop within the warranty period specified in the sales literature or quotation after delivery to the original purchaser. All items claimed defective must be promptly returned to us carriage paid unless otherwise arranged and will be returned to you free of charge. Unless otherwise agreed no warranty is made concerning components or accessories not manufactured by us. We will be released from all obligations under warranty in the event of repairs or modifications made by persons other than our own authorised service personnel unless such repairs are made with our prior written consent.

10. PATENTS

We will indemnify you against any claim of infringement of Letters Patent, Registered Design, Trade Mark or Copyright (published at the date of the contract) by the use or sale of any goods supplied or service rendered by us to you and against all costs and damages which you may incur and for which you may become liable in any action for such infringement. Provided always that this indemnity shall not apply to any infringement which is due to our having followed a design or instruction furnished or given by you or to the use of such goods or service in association or combination with any other article, material or service not supplied by us. This indemnity is conditional on your giving to us the earliest possible notice in writing of any claim being made or action threatened or brought against you and on your permitting us at our own expense to conduct litigation that may ensue and all negotiations for a settlement of the claim or action. You on your part warrant that any design or instruction furnished or given by you shall not cause us to infringe any Letter Patent, Registered Design, Trade Mark or Copyright in the execution of your order.

11. DOCUMENTATION

All drawings, plans, designs, software specifications, manuals and technical documents and information supplied by us for your use or information shall remain at all times our exclusive property and must not be copied, reproduced, transmitted or communicated to a third party without our prior written consent.

12. FRUSTRATION

If any contract or any part of it shall become impossible of performance or otherwise frustrated we shall be entitled to a fair and reasonable proportion of the price in respect of the work done up to the date thereof. For this purpose any monies previously paid by you shall be retained against the sum due to us under this provision. We may dispose of the goods as we think fit due allowance being made to you for the net proceeds thereof.

13. BANKRUPTCY

If the purchaser shall become bankrupt or insolvent, or being a Limited Company commence to be wound up or suffer a Receiver to be appointed, we shall be at liberty to treat the contract as terminated and be relieved of further obligations. This shall be without prejudice to our right to claim for damages for breach of contract.

14. LEGAL INTERPRETATION

Any contract will be deemed to be made in England and shall be governed and construed for all purposes and in all respects in accordance with English Law and only the Courts of England shall have jurisdiction.



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