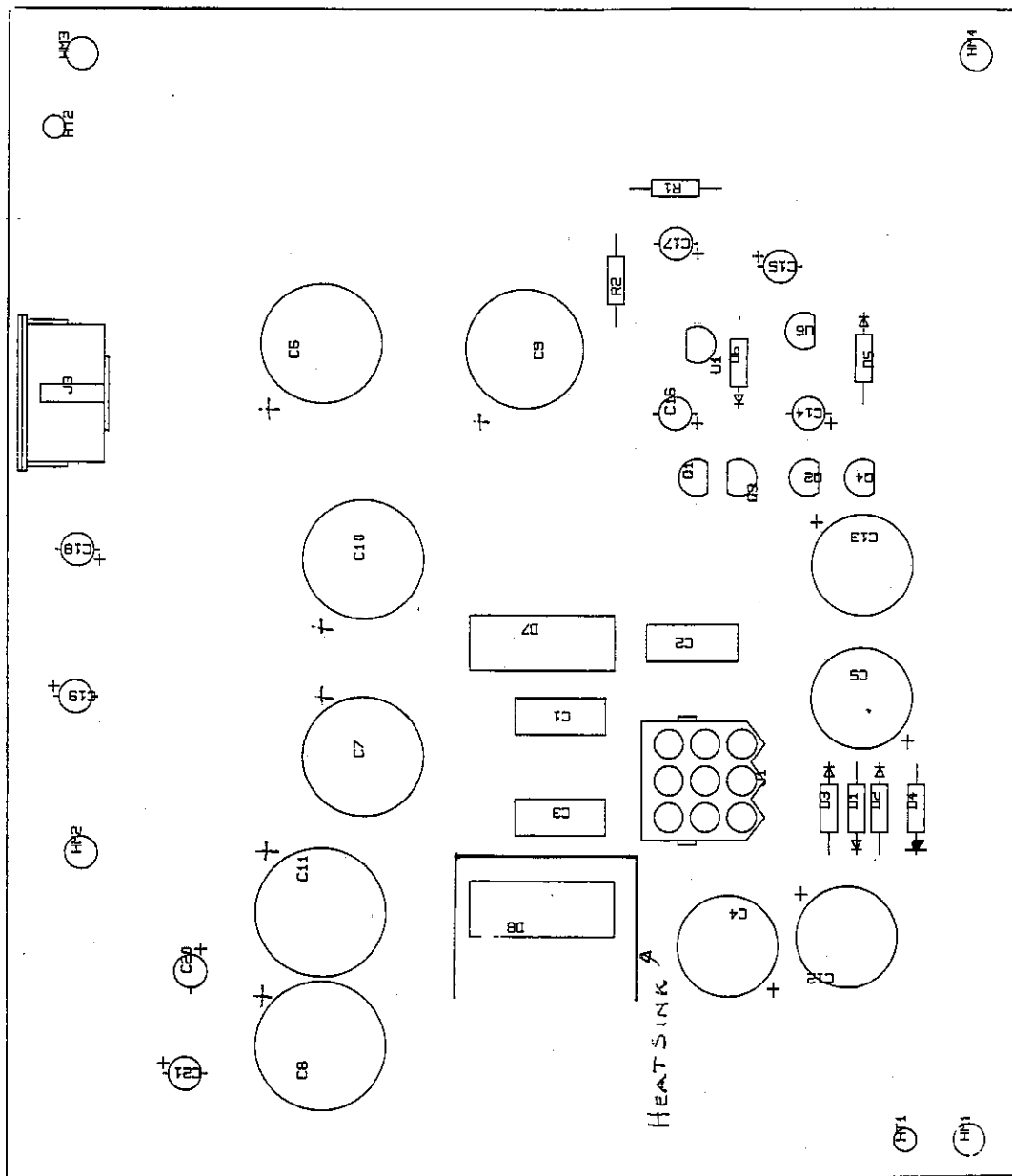


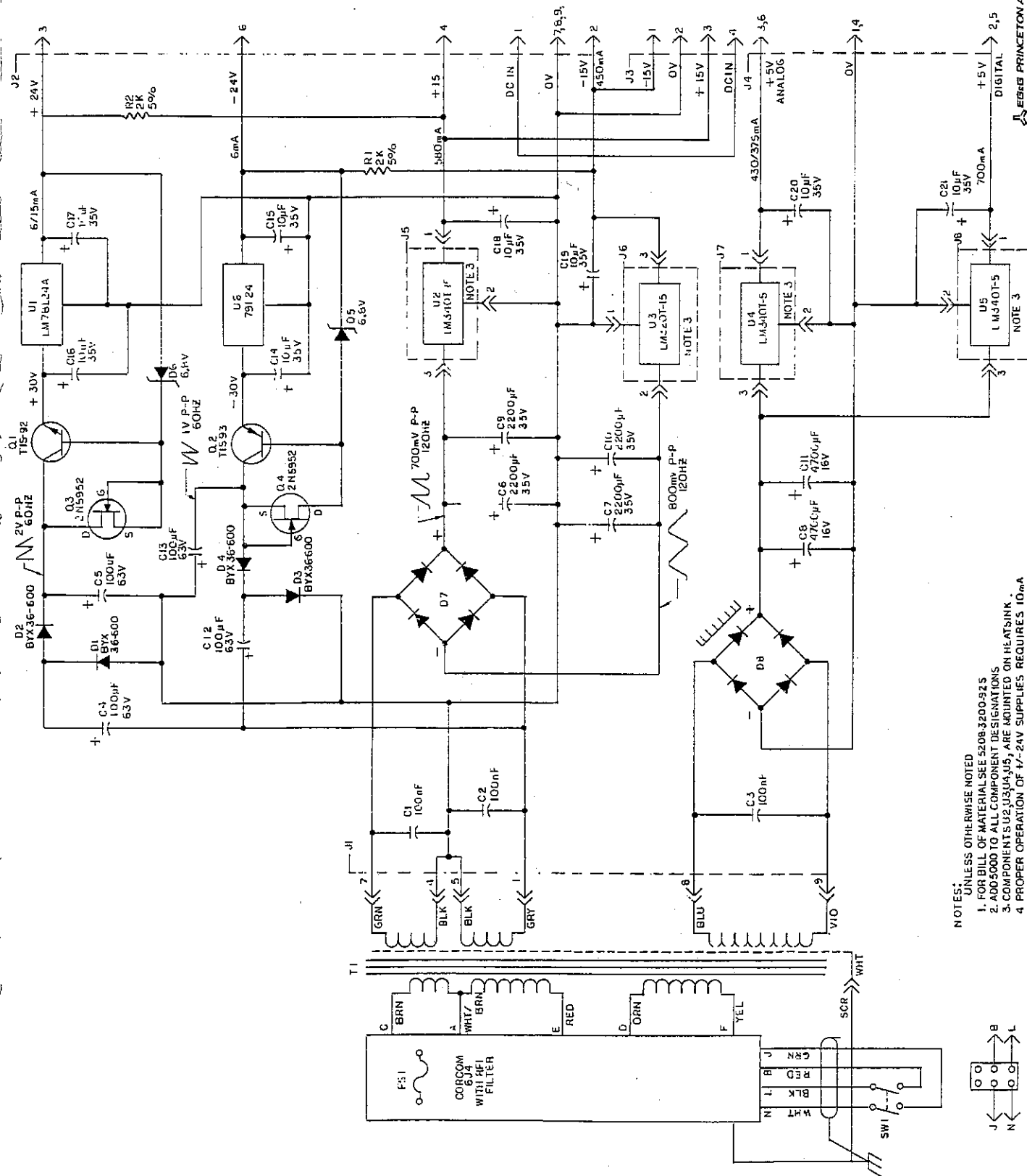
Chapter 11

Schematics and Layouts

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POWER SUPPLY BOARD



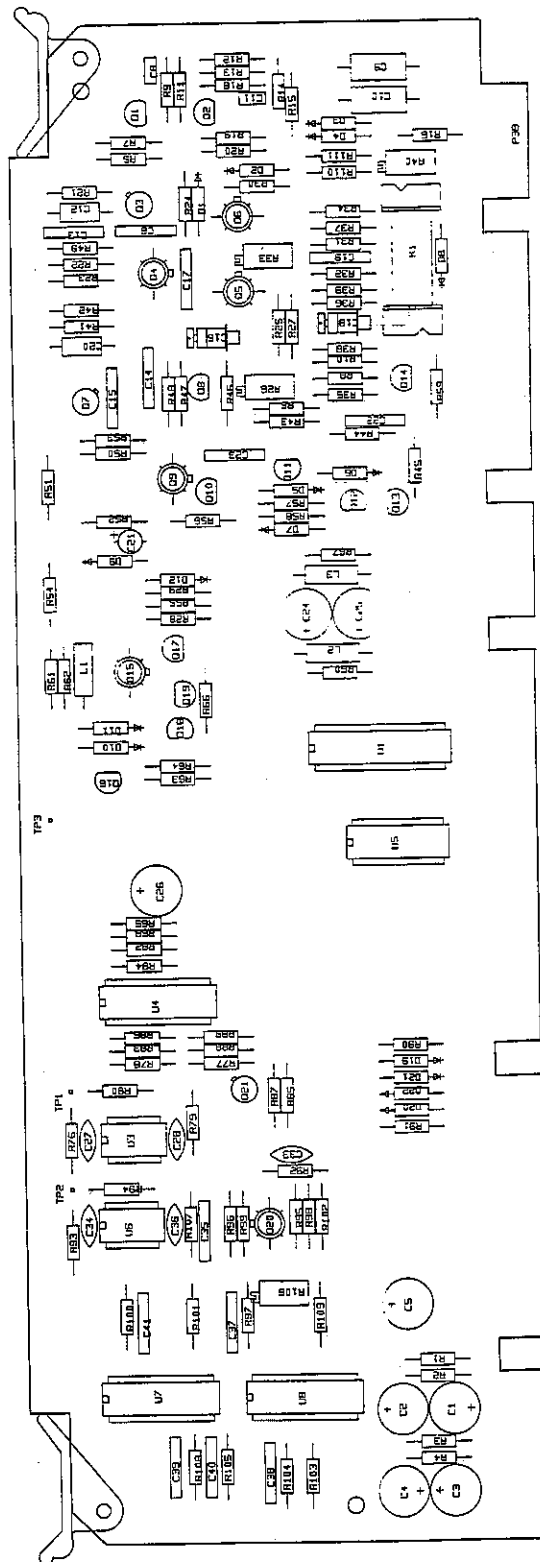
NOTES:
 UNLESS OTHERWISE NOTED
 1. FOR BILL OF MATERIALS SEE 5208-3200-925
 2. ADD 5000 TO ALL COMPONENT DESIGNATIONS
 3. COMPONENTS U2, U3, U4, U5, ARE MOUNTED ON HEATSINK.
 4. PROPER OPERATION OF 1/-24V SUPPLIES REQUIRES 10mA
 MINIMUM LOAD ON +/-15V SUPPLIES.

POWER SUPPLY 'BD
 M5207-8

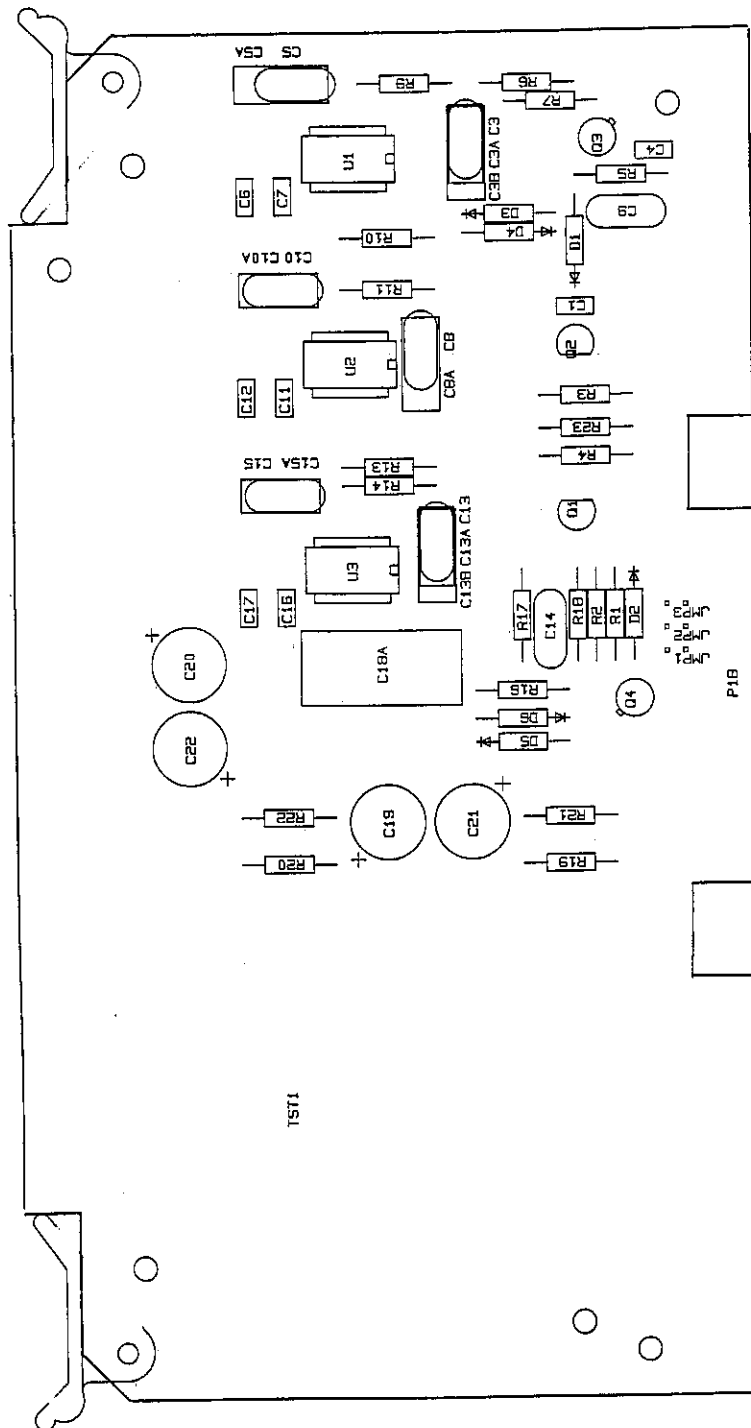
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APPROVED *[Signature]*
 DATE 7-23-85

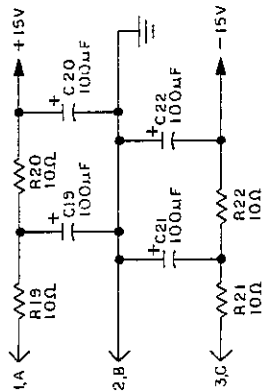
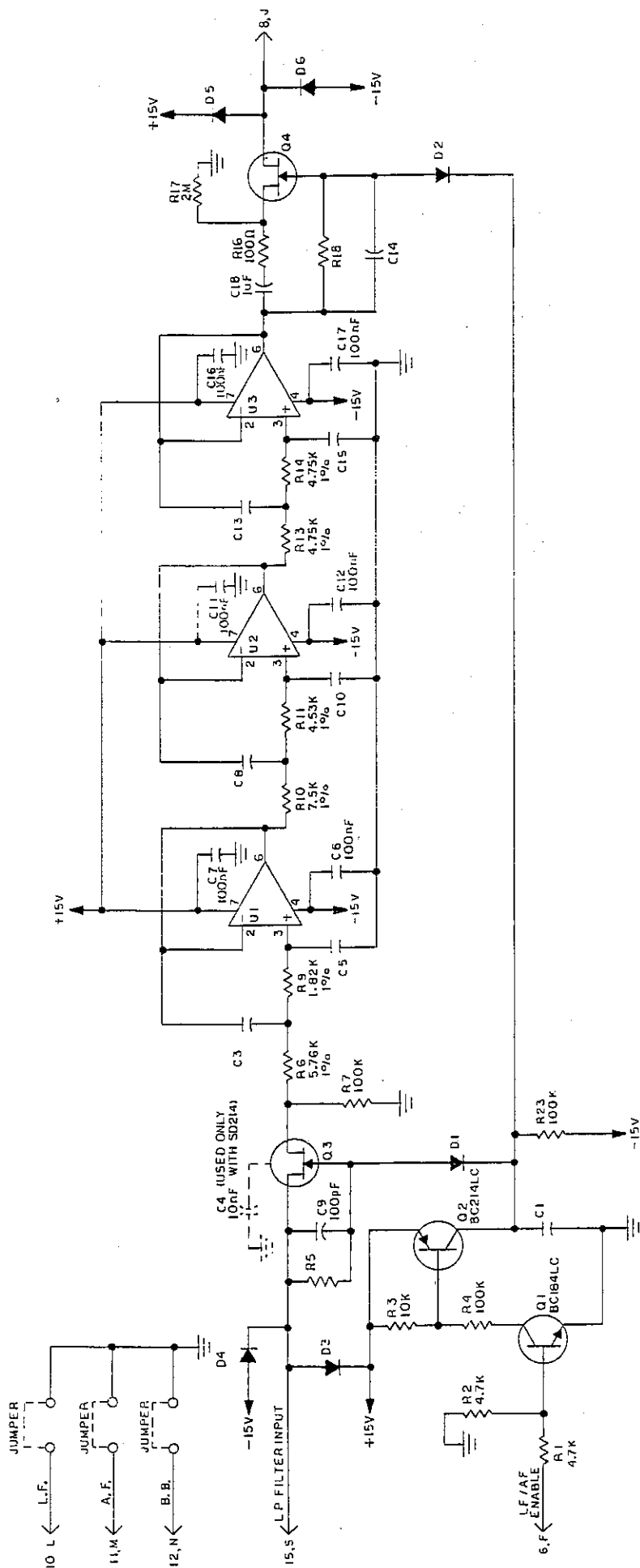
SHT. 1 of 1 [17401] [C] [SD] [A]



SIGNAL CHANNEL BOARD



AF/LF/BB BOARD



NOTES:

1. FOR BILL OF MAT'L SEE 5208-8100-925, 5208-8400-995, & 5208-8700-965.
2. RESISTORS ARE 1/4W, 5%, COMP UNLESS OTHERWISE NOTED.
3. 1% RESISTORS ARE 1/8W METAL FILM.
4. FOR BROAD BAND ADD 2100 FOR AF ADD 2200 FOR LF ADD 2300 } TO REF NO DESIG.

COMP	AF	LF	BROAD BAND
C3	1.5nF	15nF	150pF
C5	1nF	10nF	91pF
C6	1nF	10nF	100pF
C10	470pF	4.7nF	47pF
C13	3.3nF	3.3nF	330pF
C14	100pF	100pF	NOT USED
C15	220pF	2.2nF	22pF
U1	LF351	LF351	NE5534A
U2	LF351	LF351	NE5534A
U3	LF351	LF351	NE5534A
Q3	2N5952	2N5952	SD214
Q4	2N5952	2N5952	SD214
D1, D2	1N4009	1N4009	JUMPER
D3, D6	NOT USED	NOT USED	IN 4009
R5, R18	1M	1M	NOT USED

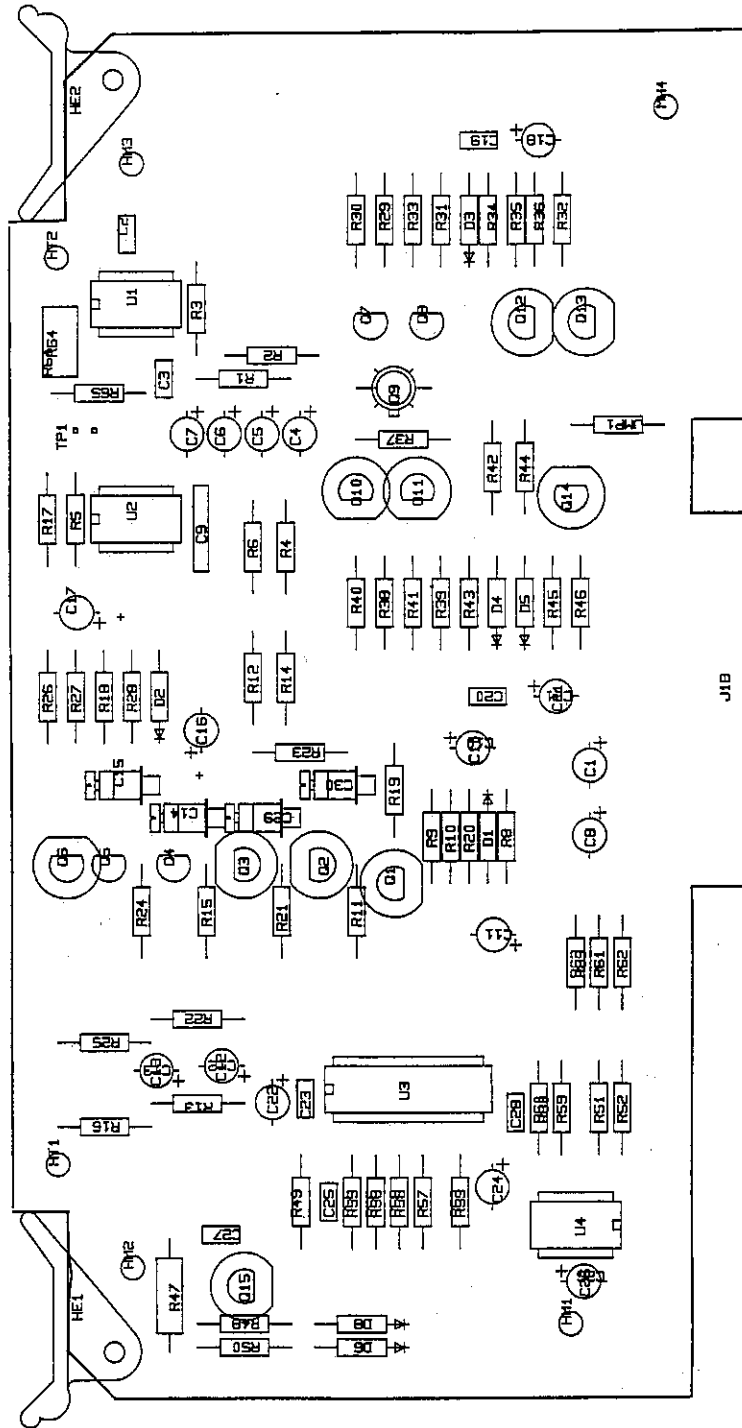
BROAD BAND
AF / LF RANGE
MODEL 5207/08

APPROVED _____ DATE 1-23-84

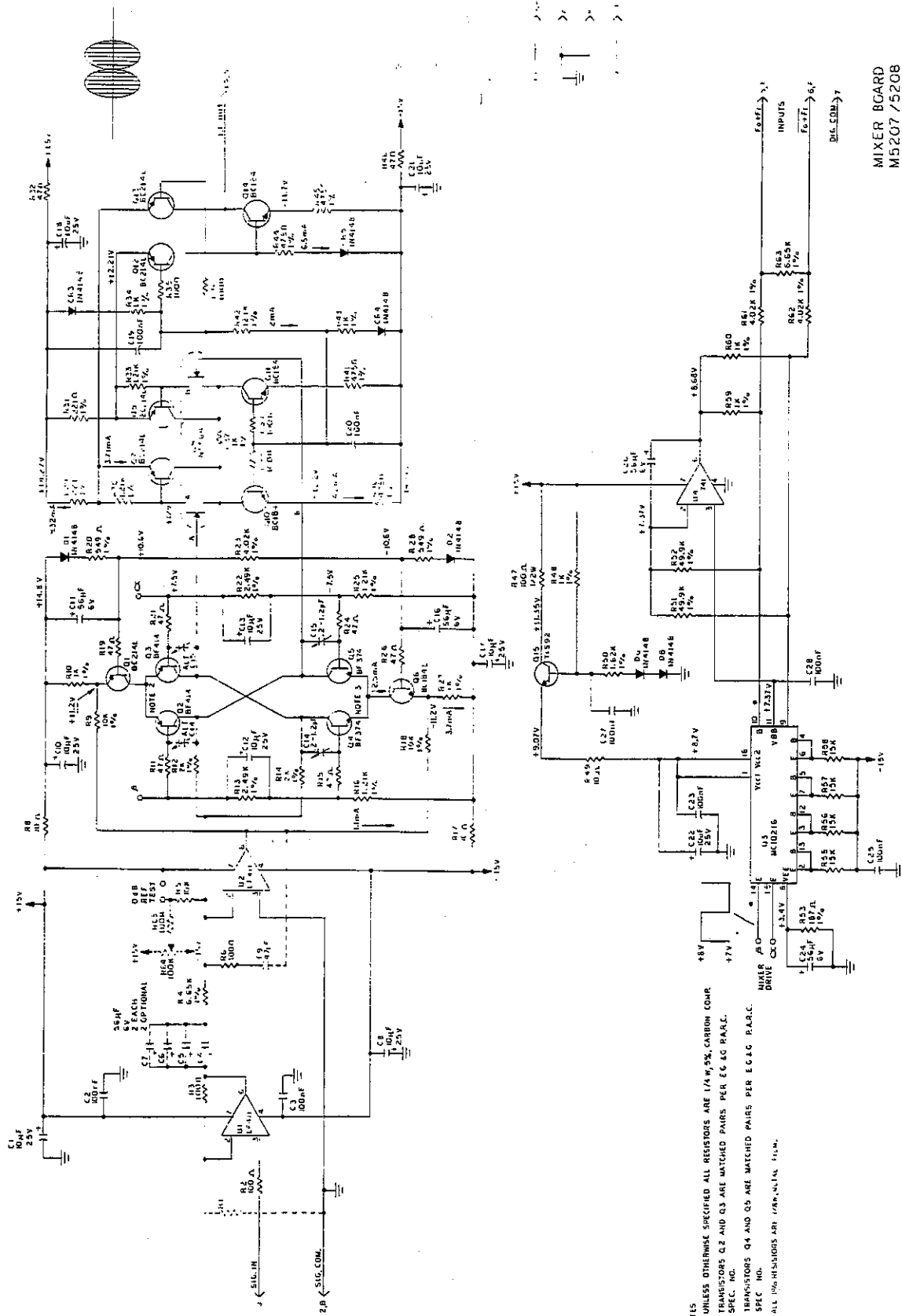
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SHT. 1 of 1 [17154] [CSD] [A]



MIXER BOARD

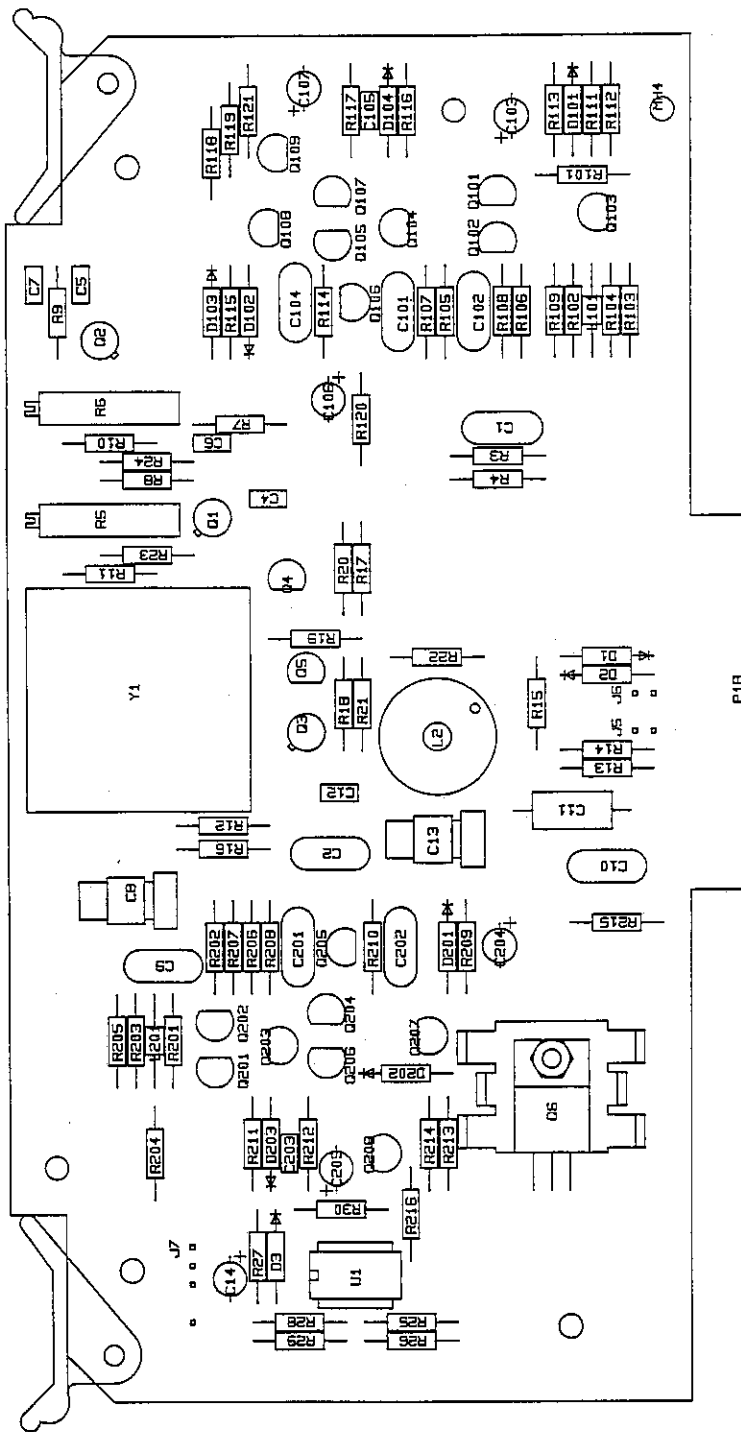


- NOTES
1. UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE 1/4 W, 5% CARBON COMR.
 2. TRANSISTORS Q2 AND Q3 ARE MATCHED PAIRS PER EC & C PANEL.
 3. TRANSISTORS Q4 AND Q5 ARE MATCHED PAIRS PER EC & C PANEL.
 4. ALL 1% RESISTORS ARE 1/8 W, 0.1% TYP.

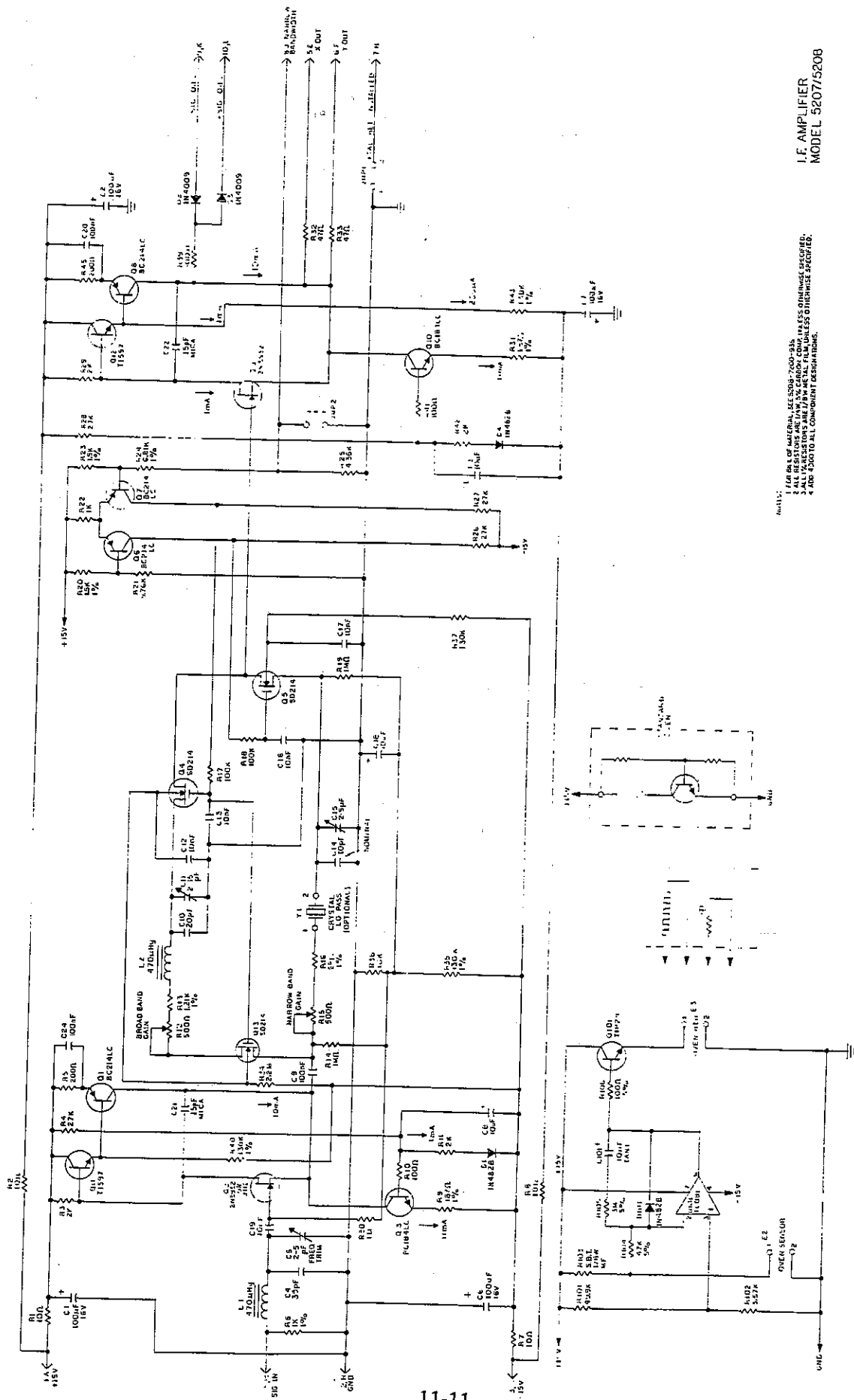
MIXER BOARD
M5207/5208

APPLIED MICROELECTRONICS RESEARCH
4000 UNIVERSITY AVENUE
ANN ARBOR, MICHIGAN 48106

REV 1 OF 1 17129 0506



IF AMPLIFIER BOARD

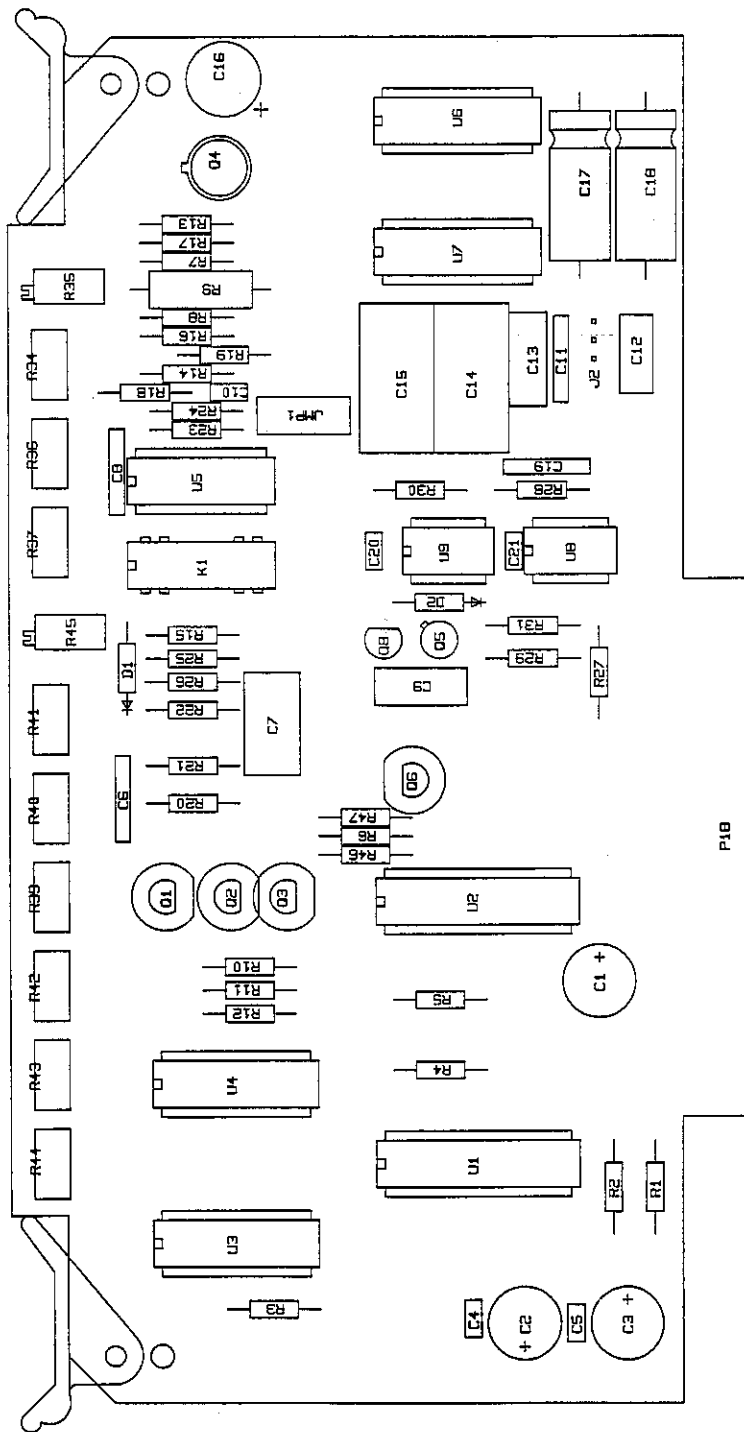


NOTE: 1 FOR BAL OF MATERIAL SEE 5208-7000-01
 2 ALL RESISTORS ARE 1/4W 5% CARBON COMB. UNLESS OTHERWISE SPECIFIED.
 3 ALL CAPACITORS ARE 50V UNLESS OTHERWISE SPECIFIED.
 4 AND 5200 TO ALL COMPONENT DESIGNATIONS.

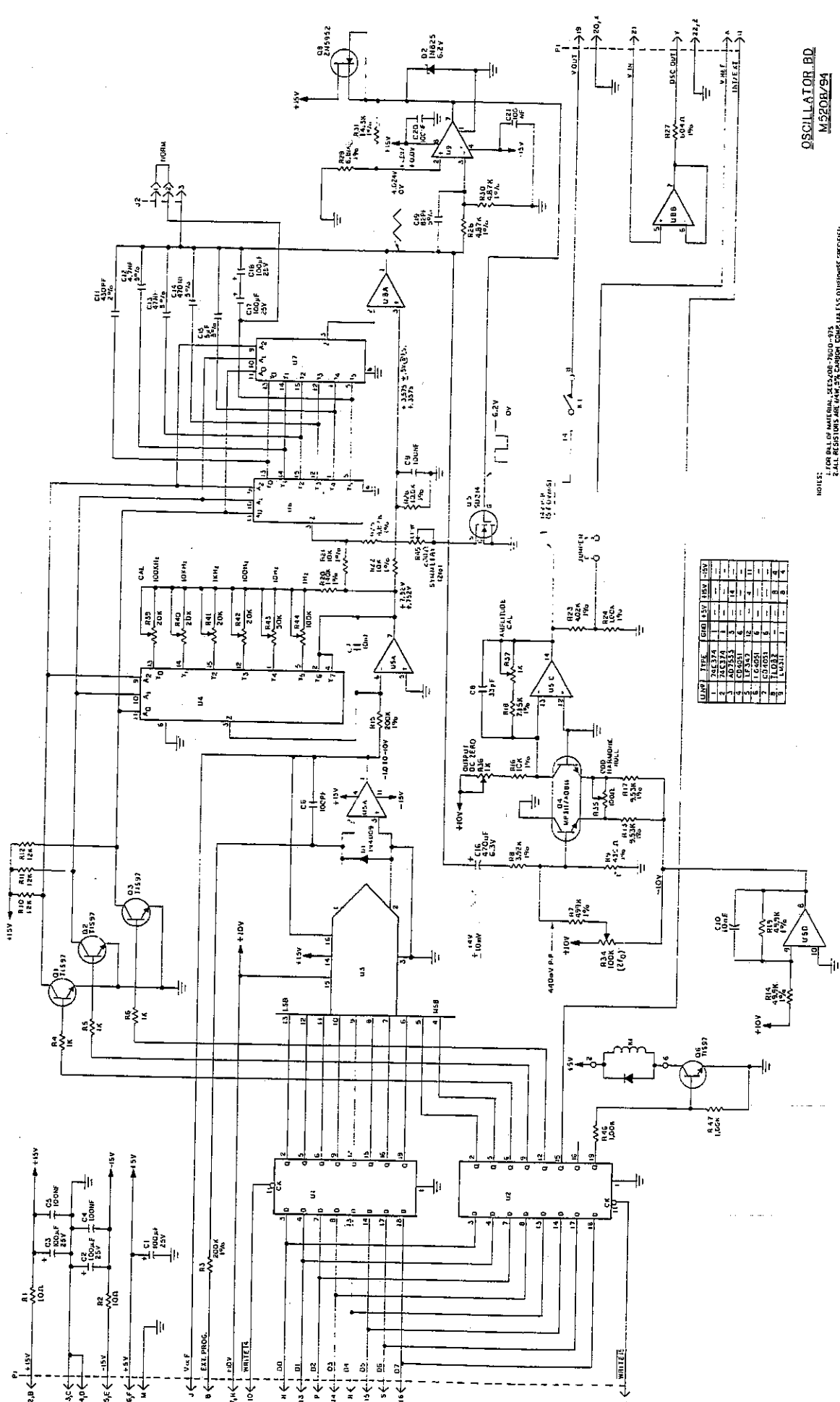
LF AMPLIFIER
 MODEL 5207/5208

APPROVED BY
 DATE 10/1/52

8640 PRINCIPAL APPLIED RESEARCH
 COMPANY 8640 PRINCIPAL APPLIED RESEARCH
 17112 DISDF



OSCILLATOR BOARD



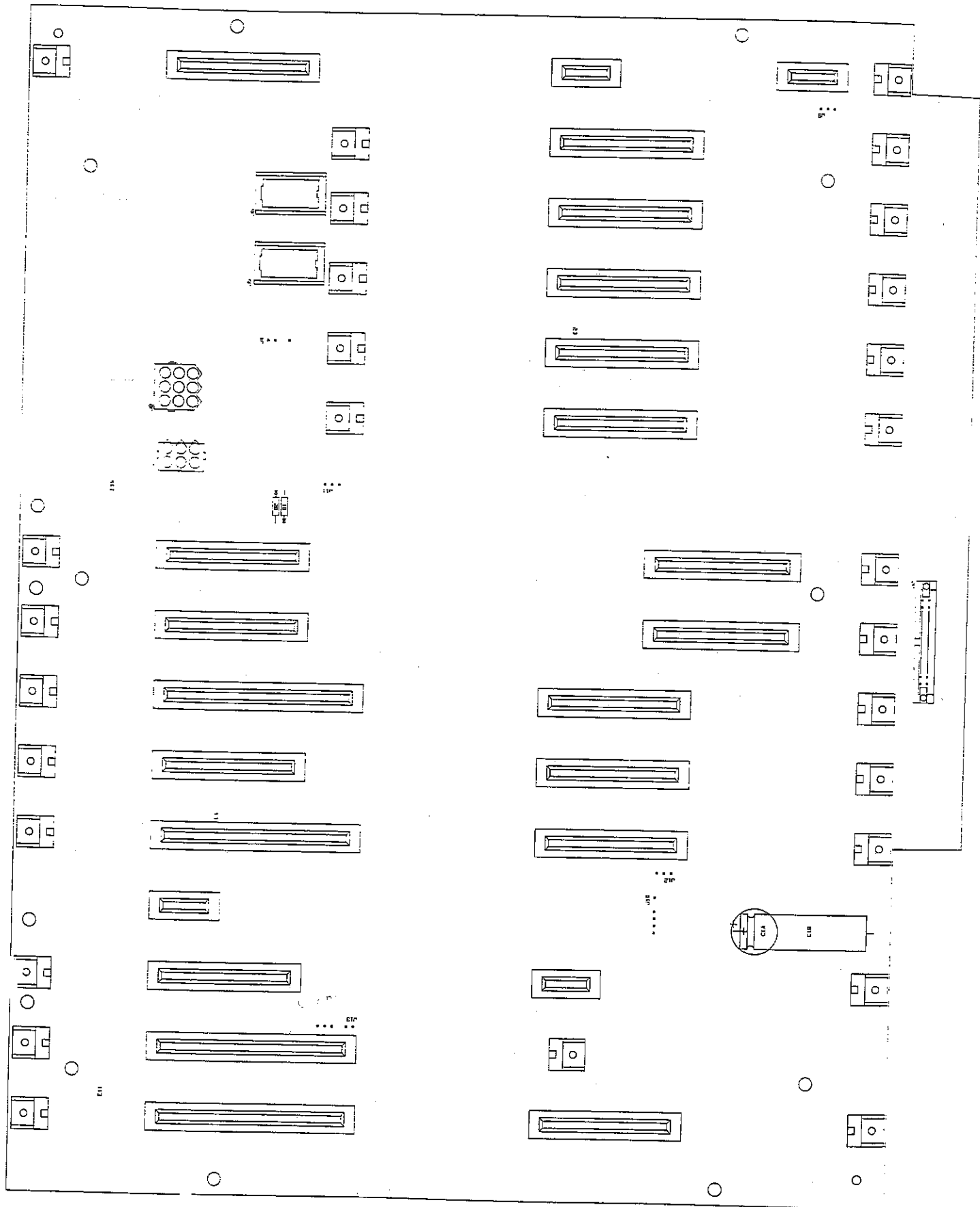
OSCILLATOR BD
M520B/94

- NOTES:
 1. FOR ALL VALUES, SEE 200-1000-0175
 2. ALL RESISTORS ARE 1/4 WATT UNLESS OTHERWISE SPECIFIED.
 3. ALL TRANSISTORS ARE OF NEW METAL TYPE UNLESS OTHERWISE SPECIFIED.
 4. ADD LOG TO ALL COMPONENT DESIGNATIONS.

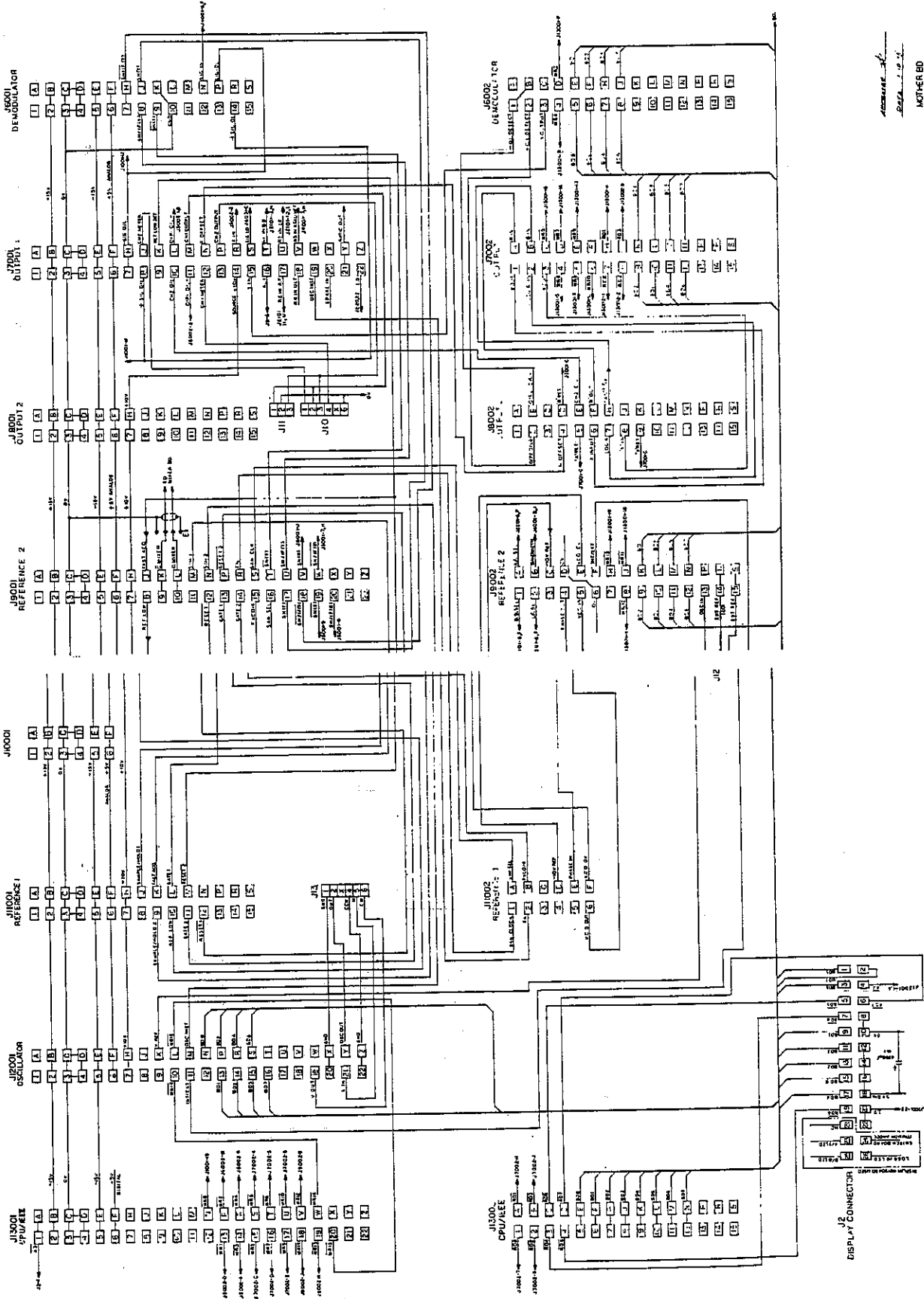
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6	74181	1			1
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APPROVED: [Signature]
 DATE: 1-2-58

17081 D SD C

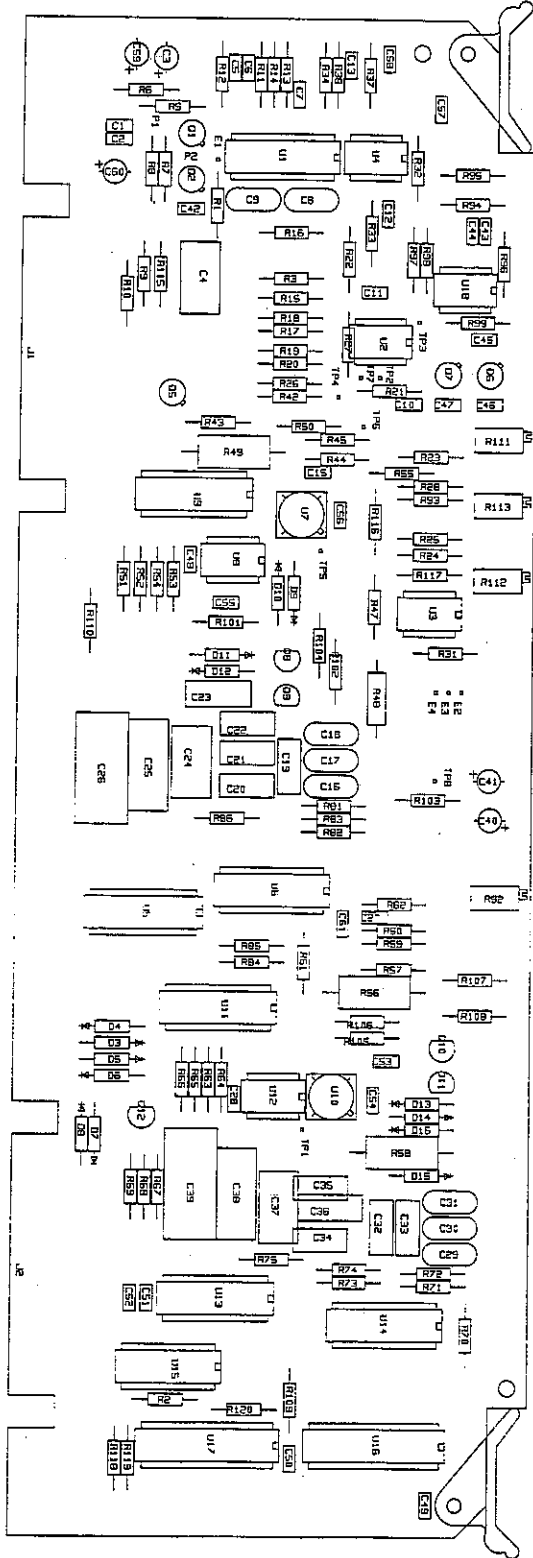


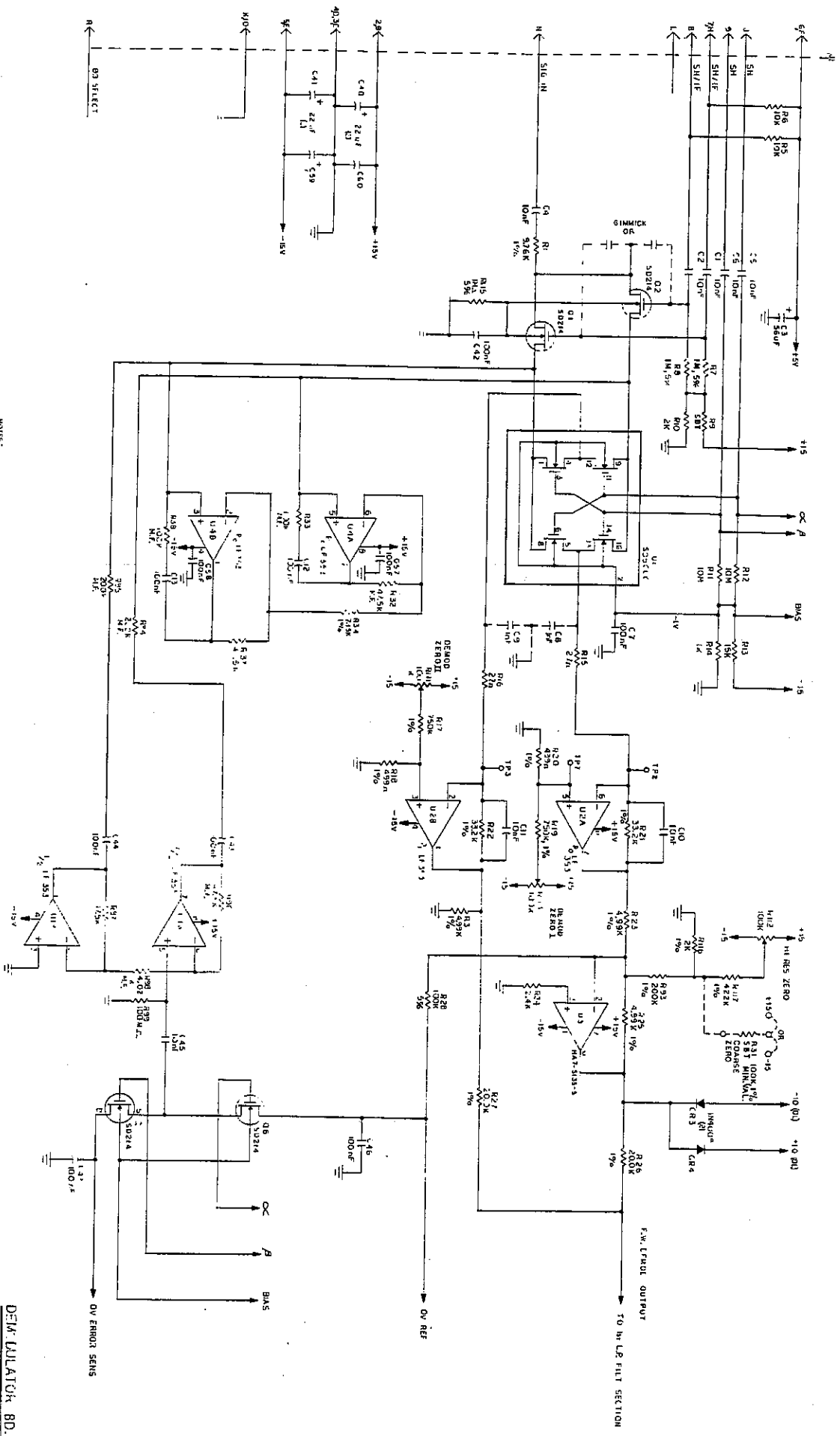
MOTHER BOARD



APPROVED: *[Signature]*
 DATE: 1-10-51
 MOTHER BO
 M200716
 PART NO. 1-2 (7160) E 00 0

DEMODULATOR BOARD

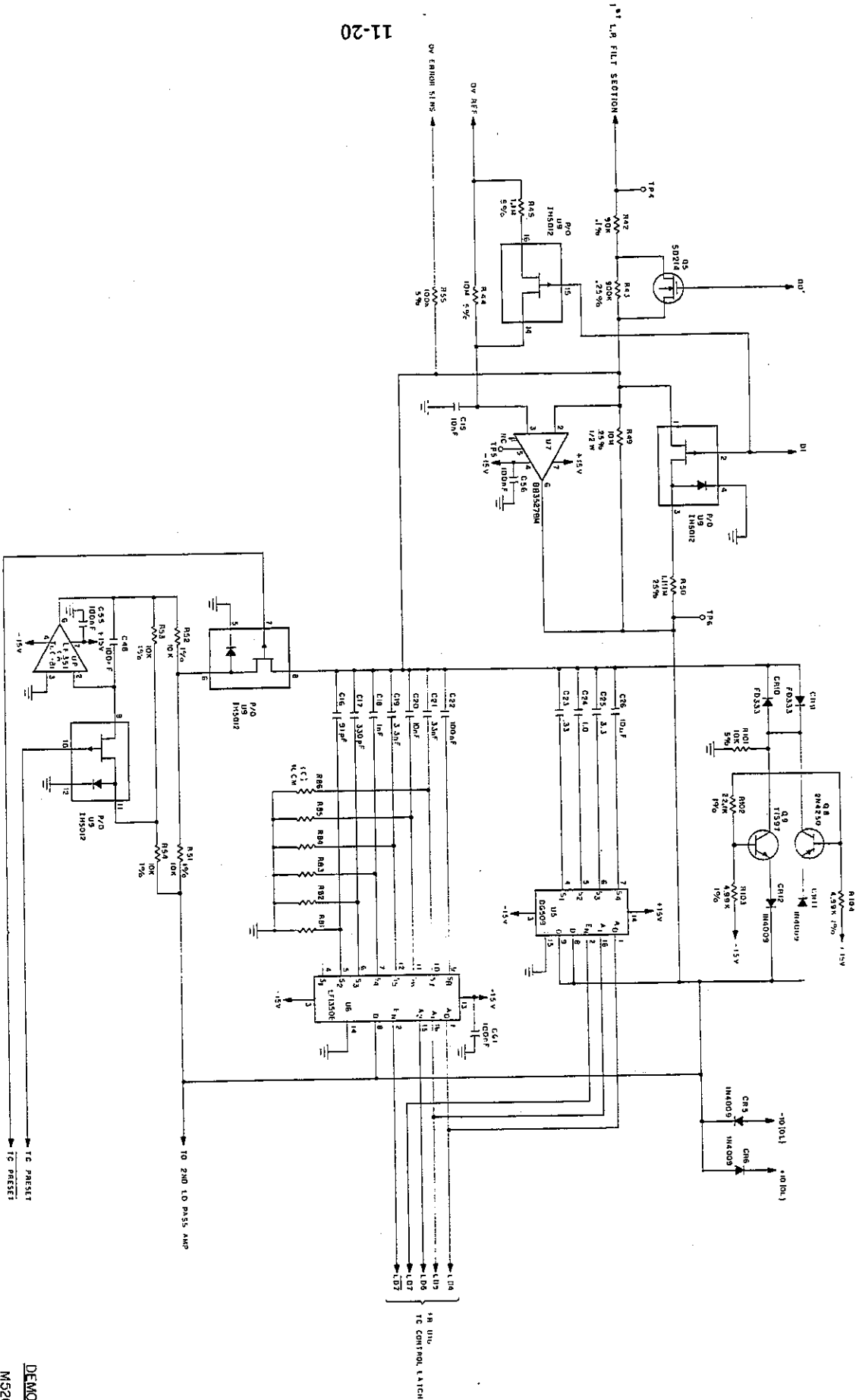




- NOTES:
1. FOR BILL OF MATERIAL, SEE 500-3400-953
 2. ALL RESISTORS ARE 1/4 W, 5%, CARBON COMPOSITION UNLESS OTHERWISE SPECIFIED. METAL FILM UNLESS OTHERWISE SPECIFIED.
 3. ALL 150 OHM RESISTORS ARE METAL FILM UNLESS OTHERWISE SPECIFIED.
 4. USED ONLY IN INITIAL UNITS.

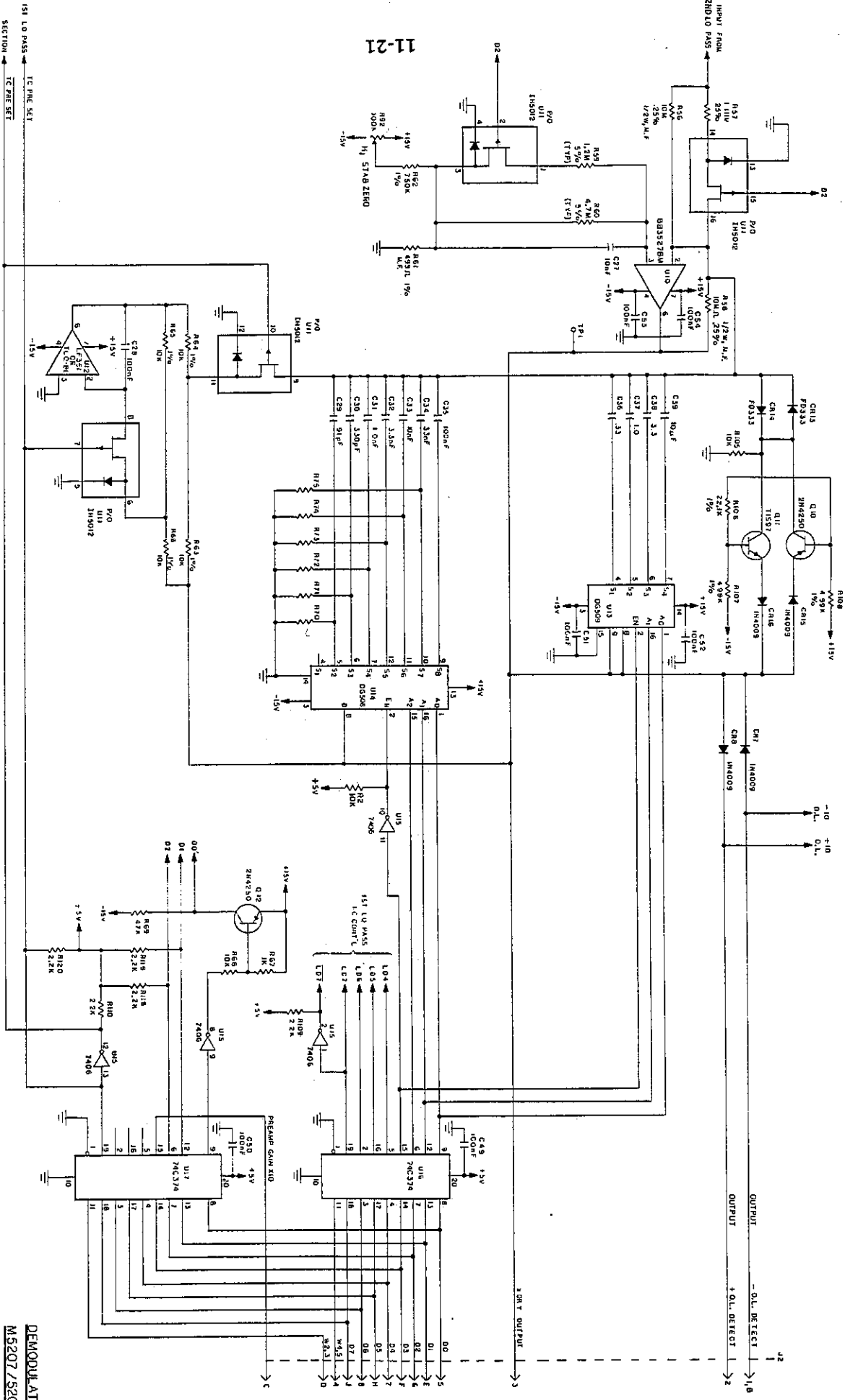
APPROVED: *[Signature]*
 DATE: 07-23-68

DEMULATOR BD.
 MS-07-7208
 APPROVED: *[Signature]*
 DATE: 07-23-68
 MIL-STD-883C
 100% TESTING REQUIRED
 ALL PARTS TO BE TESTED
 IN ACCORDANCE WITH
 MIL-STD-883C



DEMULATOR BD.
 MS207/5208
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 SH. 2 of 3 [17148] [D] [SOL] [2]

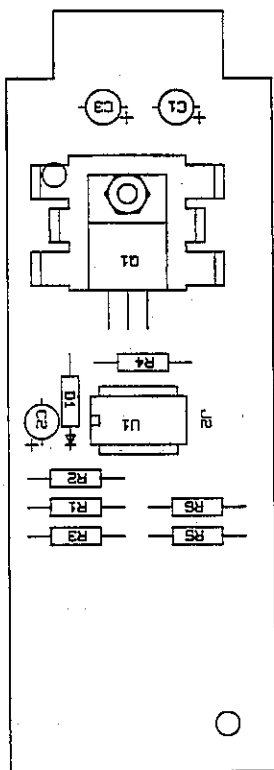
11-21

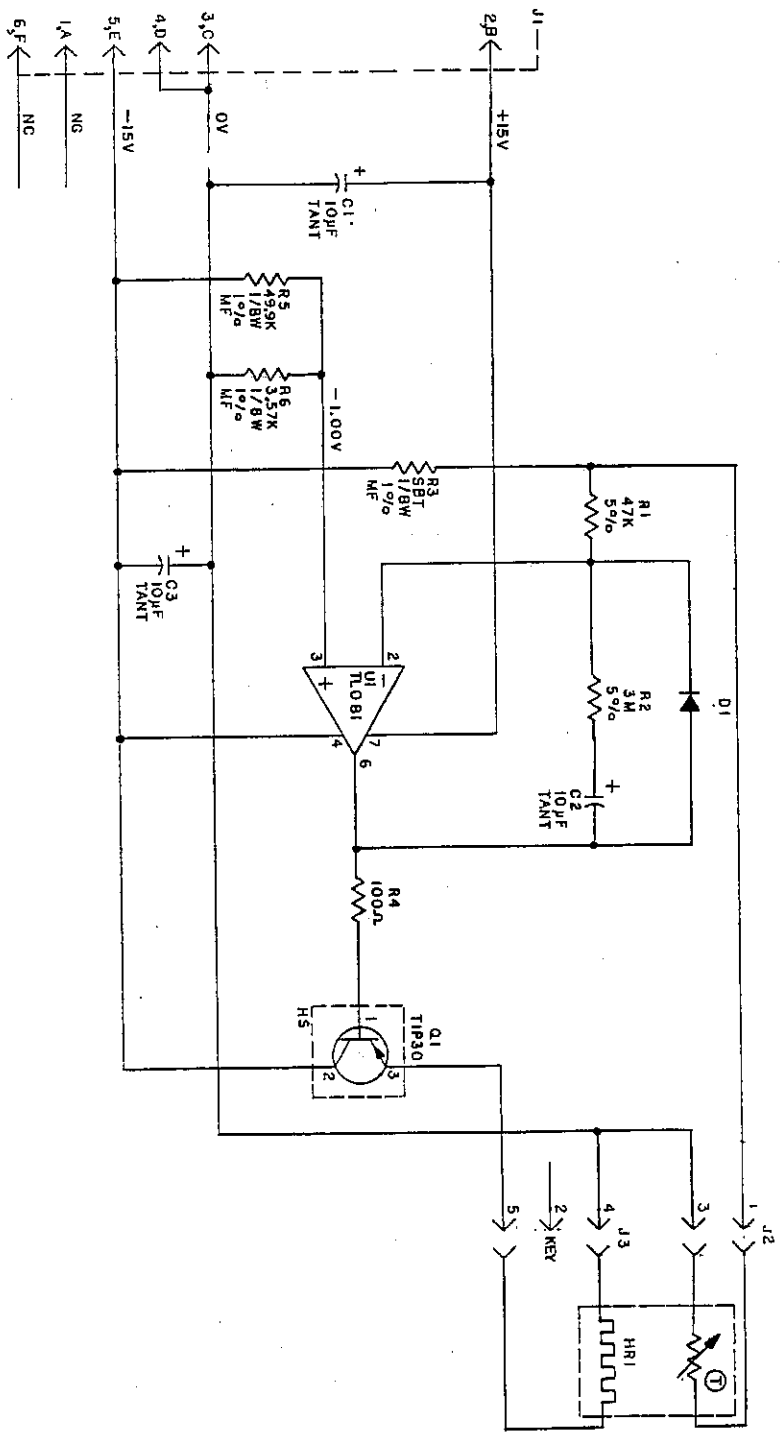


DEMULATOR BD
 M5207/5208
 2-800-451-1000
 17430501

11-22

REF. OSC. TEMP. CONTROL BOARD





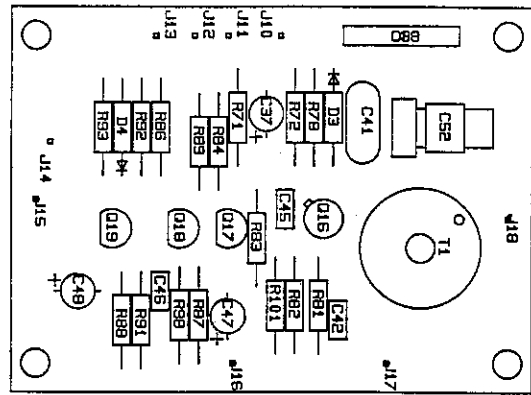
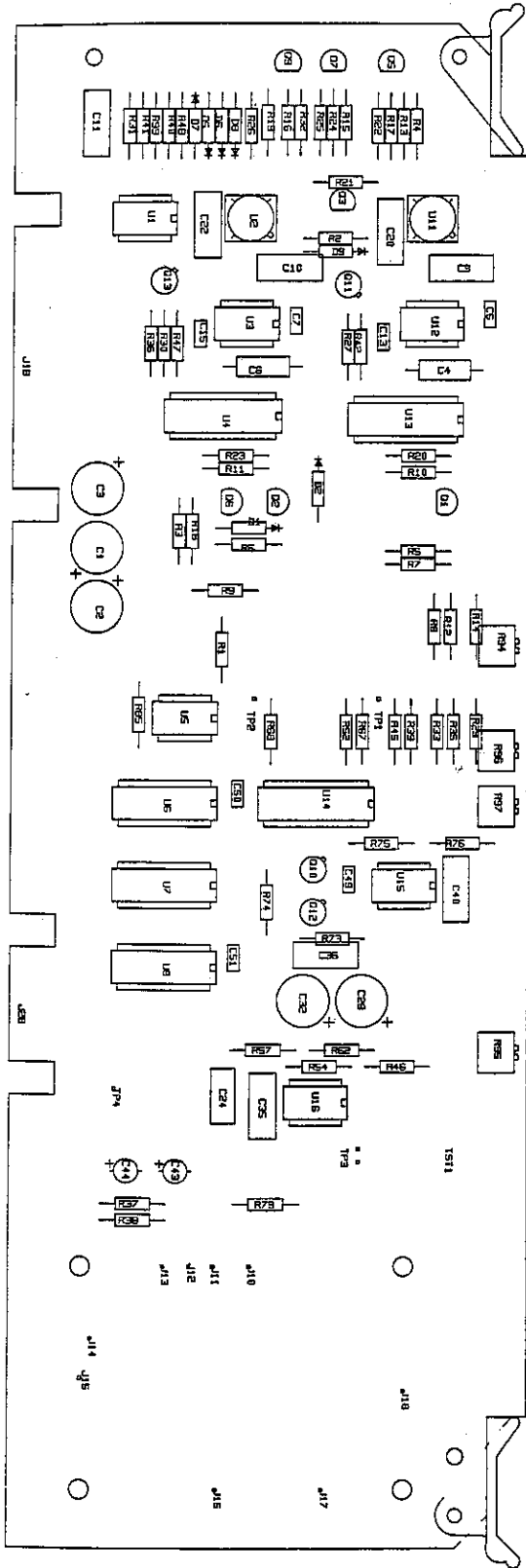
NOTES:
 1. FOR BILL OF MATERIAL SEE 5208-7100-345
 2. ADD10000 TO ALL COMPONENT DESIGNATIONS

REF. OSC. TEMP. CONTROL BD.
 M5207 / 5208-93

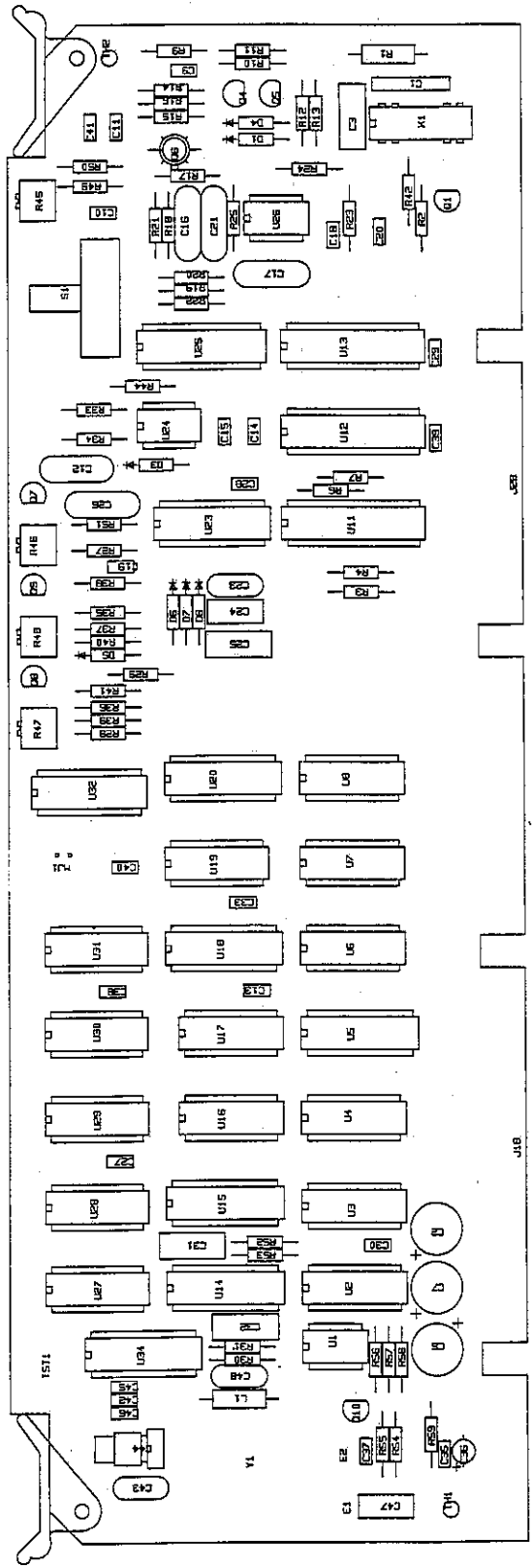
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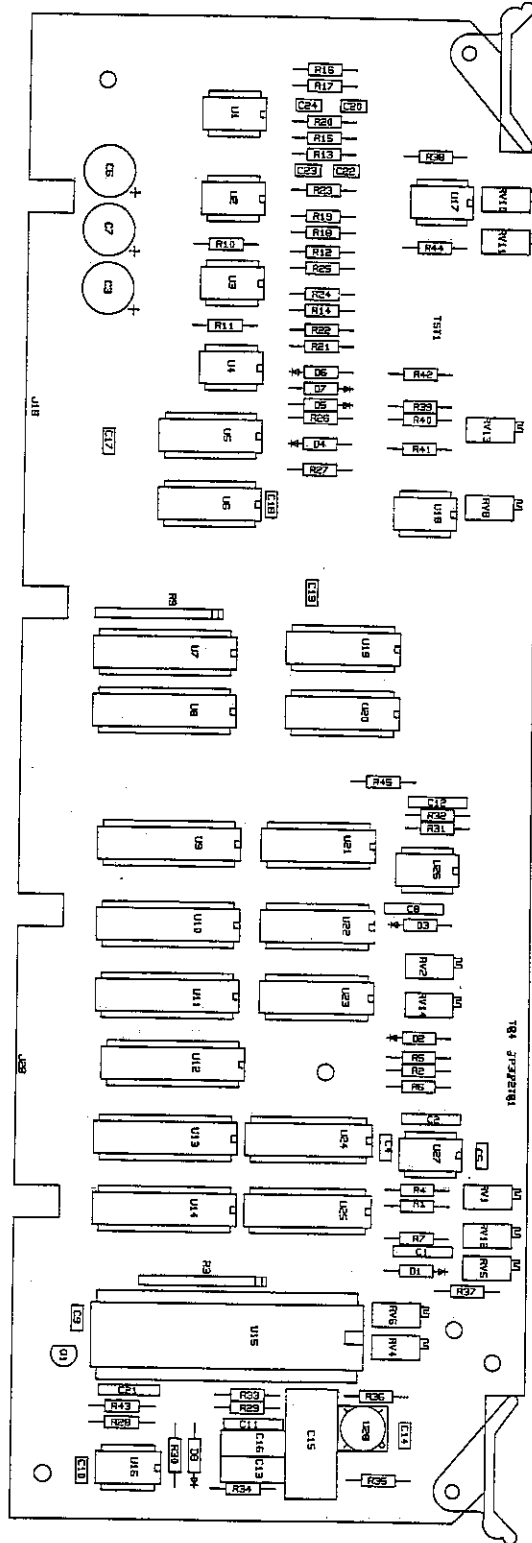
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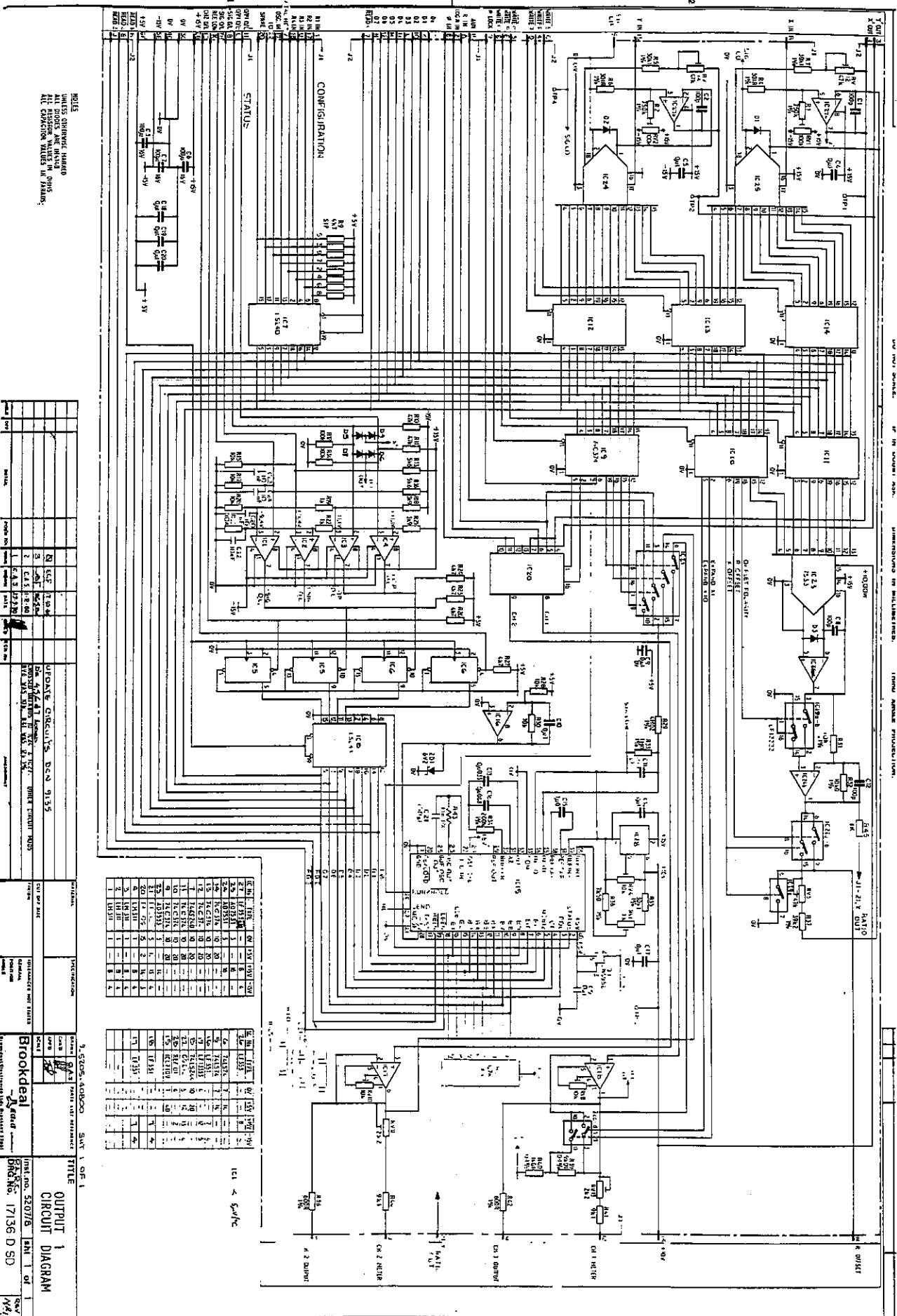


REFERENCE 2 BOARD



OUTPUT 1 BOARD





NOTES
UNLESS OTHERWISE INDICATED
ALL RESISTOR VALUES IN OHMS
ALL CAPACITOR VALUES IN FARADS.

REV	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR PRODUCTION	11/29/88	J. S. BROWN	
2	REVISION			
3	REVISION			
4	REVISION			
5	REVISION			

REV	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR PRODUCTION	11/29/88	J. S. BROWN	
2	REVISION			
3	REVISION			
4	REVISION			
5	REVISION			

1. 3.5205, 3.5206, SMT 1 OF 1
 TITLE
 OUTPUT
 CIRCUIT
 DIAGRAM
 INST. NO. 5207/6 SMT 1 OF 1
 BRN. NO. 17136 D SD
 M/S

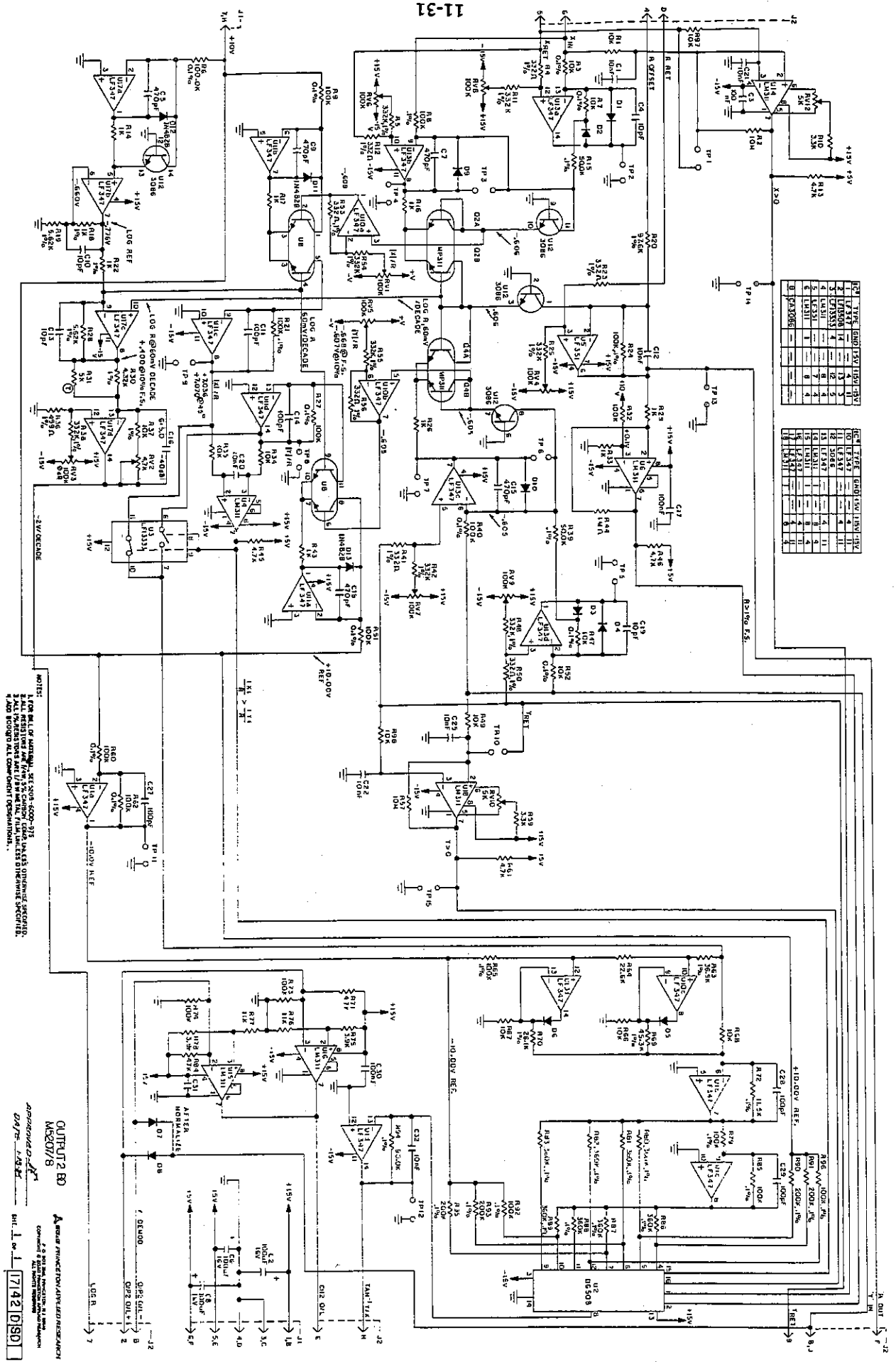


TABLE 1: LOG DECADE (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10)

LOG DECADE	1	2	3	4	5	6	7	8	9	10
R1	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R2	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R3	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R4	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R5	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R6	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R7	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R8	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R9	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R10	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K

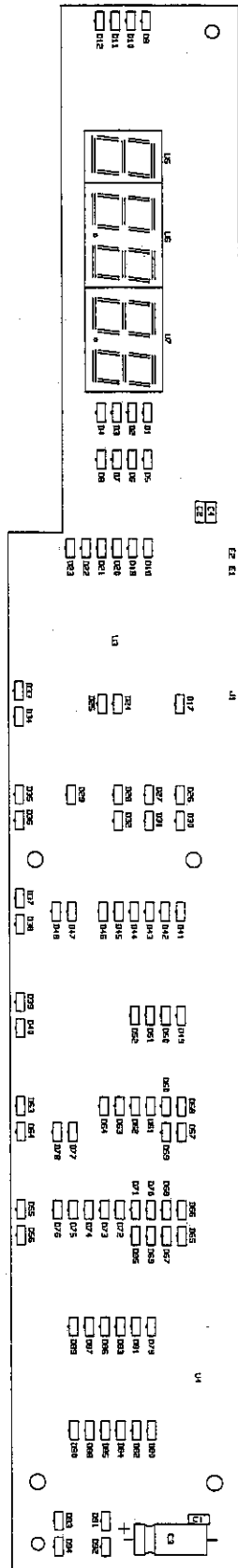
TABLE 2: LOG DECADE (R11, R12, R13, R14, R15, R16, R17, R18, R19, R20)

LOG DECADE	1	2	3	4	5	6	7	8	9	10
R11	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R12	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R13	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R14	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R15	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R16	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R17	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R18	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R19	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K
R20	100K	200K	300K	400K	500K	600K	700K	800K	900K	100K

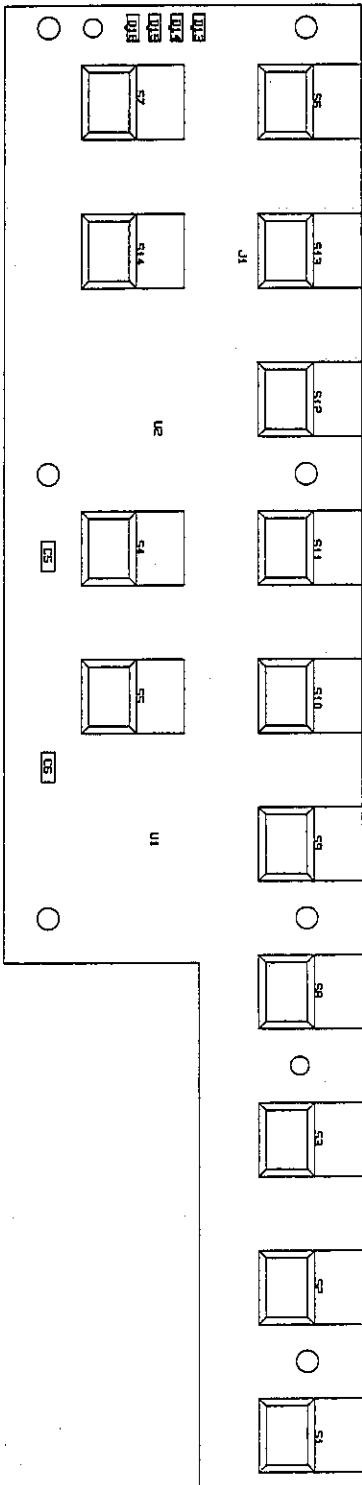
NOTE: FOR ALL RESISTORS, 0.5% TOLERANCE IS ASSUMED UNLESS OTHERWISE SPECIFIED. ALL RESISTORS ARE 1/4 WATT UNLESS OTHERWISE SPECIFIED. CAPACITORS ARE POLYESTER UNLESS OTHERWISE SPECIFIED.

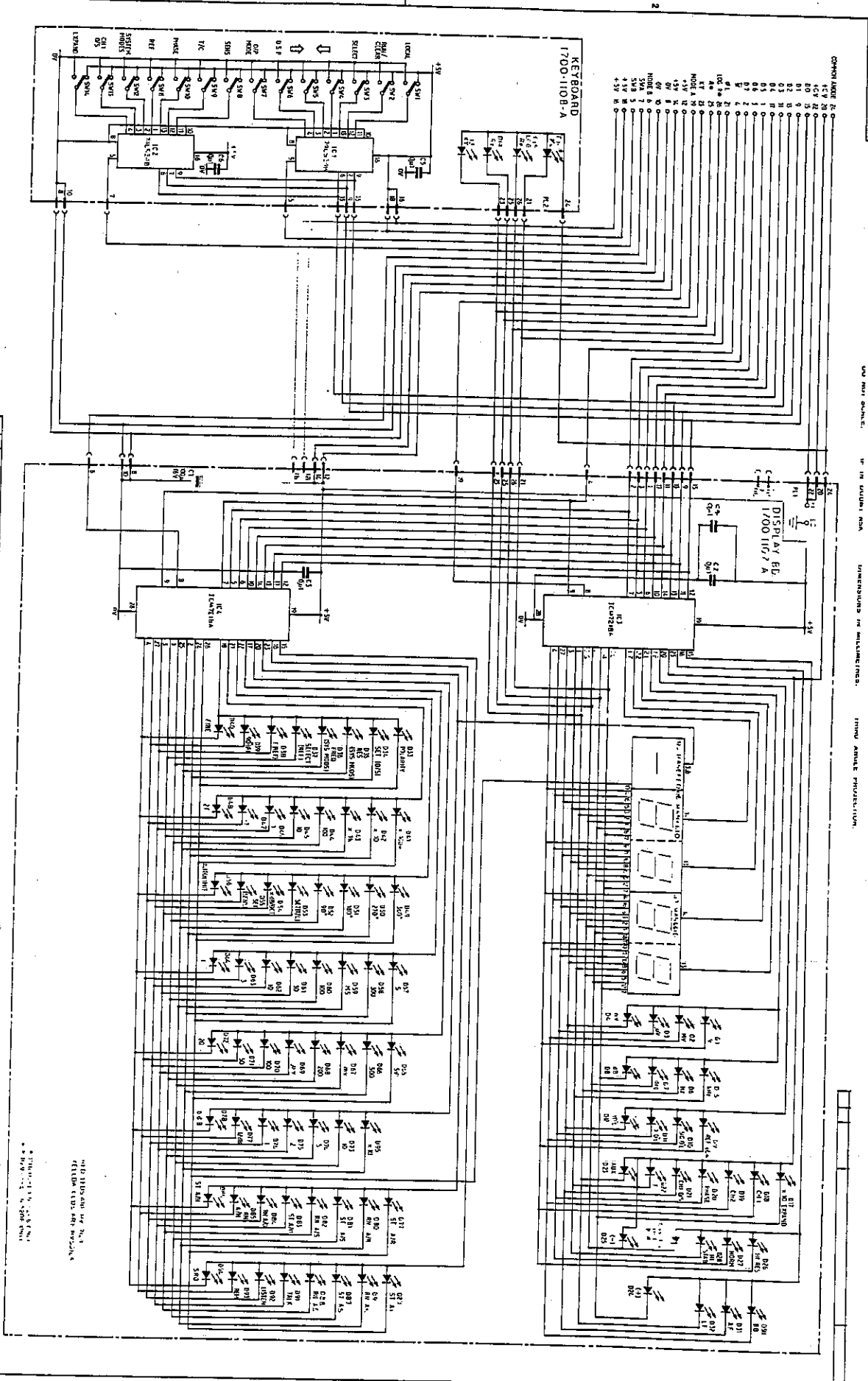
OUTPUT 2: BD
 M200/8
 APPROVED: [Signature]
 DATE: 1/28/72
 17420SD

DISPLAY BOARD



KEYBOARD



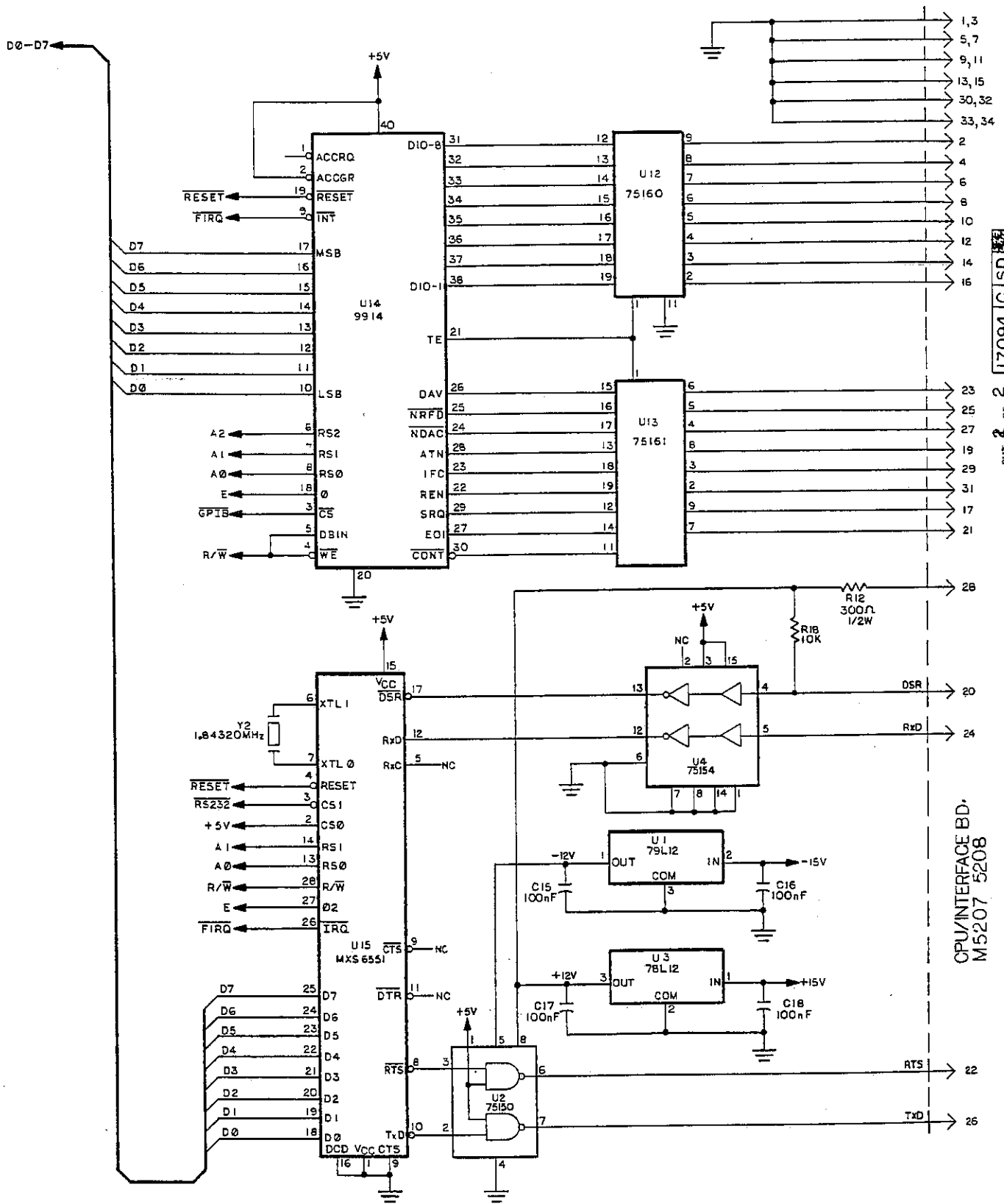


ALL DIMENSIONS IN MILLIMETERS. PRINTED AND PRODUCED BY THE MANUFACTURER.

WILD HIDEAWAY KEY No. 1
FIELD CODE: 487-875-2-1

37500-42500 SMT 1 OF 1

PART NO.		REV.		DATE		BY		CHKD.		APP'D.	
37500-42500		1		11/11/78		J. B. B.		J. B. B.		J. B. B.	
DESCRIPTION		QUANTITY		UNIT		MATERIAL		TEST		REMARKS	
FRONT PANEL		1		PCB		FRONT PANEL		TEST		REMARKS	
CIRCUIT DIAGRAM		1		PCB		FRONT PANEL		TEST		REMARKS	
TITLE		PART NO.		REV.		DATE		BY		CHKD.	
FRONT PANEL		37500-42500		1		11/11/78		J. B. B.		J. B. B.	
CIRCUIT DIAGRAM		37500-42500		1		11/11/78		J. B. B.		J. B. B.	
DRAWN BY		CHECKED BY		DATE		BY		CHKD.		REMARKS	
J. B. B.		J. B. B.		11/11/78		J. B. B.		J. B. B.		REMARKS	



SHT. 2 OF 2 17094 C I SD

CPU/INTERFACE BD.
M5207 5208