

3. Assemblies and Schematics

A. General

This section contains component layout drawings for all Assemblies and PC Board Assemblies, Interconnect Diagrams and Circuit Schematics within the ATC-601-2.

B. How To Use Schematics

To trace coaxial cable conductors from one schematic to another, follow the procedure outlined in para 2-2-3B(1). To trace conductors for multiple pin connectors, follow the procedure outlined in para 2-2-3B(2).

(1) Coaxial Cables

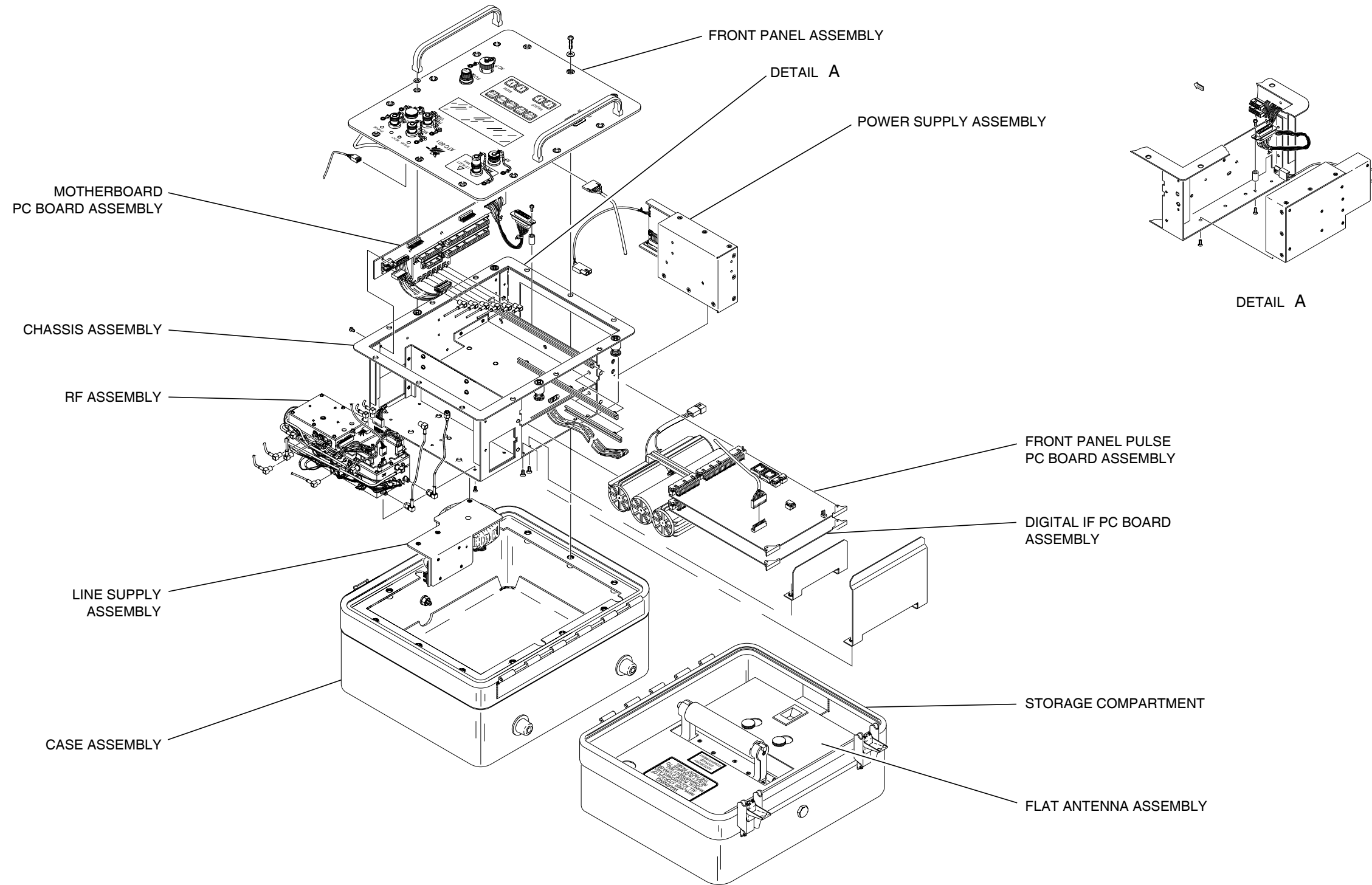
| STEP | PROCEDURE |
|------|--|
| 1. | Locate desired assembly on Interconnect Diagram. |
| 2. | Locate desired coaxial cable on Interconnect Diagram. NOTE: Connectors are identified by reference designators. |
| 3. | Follow coaxial cable on Interconnect Diagram to locate opposite end of conductor. Note coaxial cable reference designator and destination. |
| 4. | Locate schematic of desired assembly in para 2-2-3C. |
| 5. | Locate reference designator of coaxial cable and continue tracing circuit. |

(2) Multiple Pin Connectors

| STEP | PROCEDURE |
|------|---|
| 1. | Locate desired module on Interconnect Diagram. |
| 2. | Locate desired assembly multiple pin connector on Interconnect Diagram. NOTE: Connectors are identified by reference designators. |
| 3. | Note reference designator of mating connector. Note assembly or wire harness, connector is mounted on or grouped with. |
| 4. | Locate schematic of desired assembly in para 2-2-3C. |
| 5. | Locate reference designator of multiple pin connector and corresponding pin number. Continue tracing circuit. |

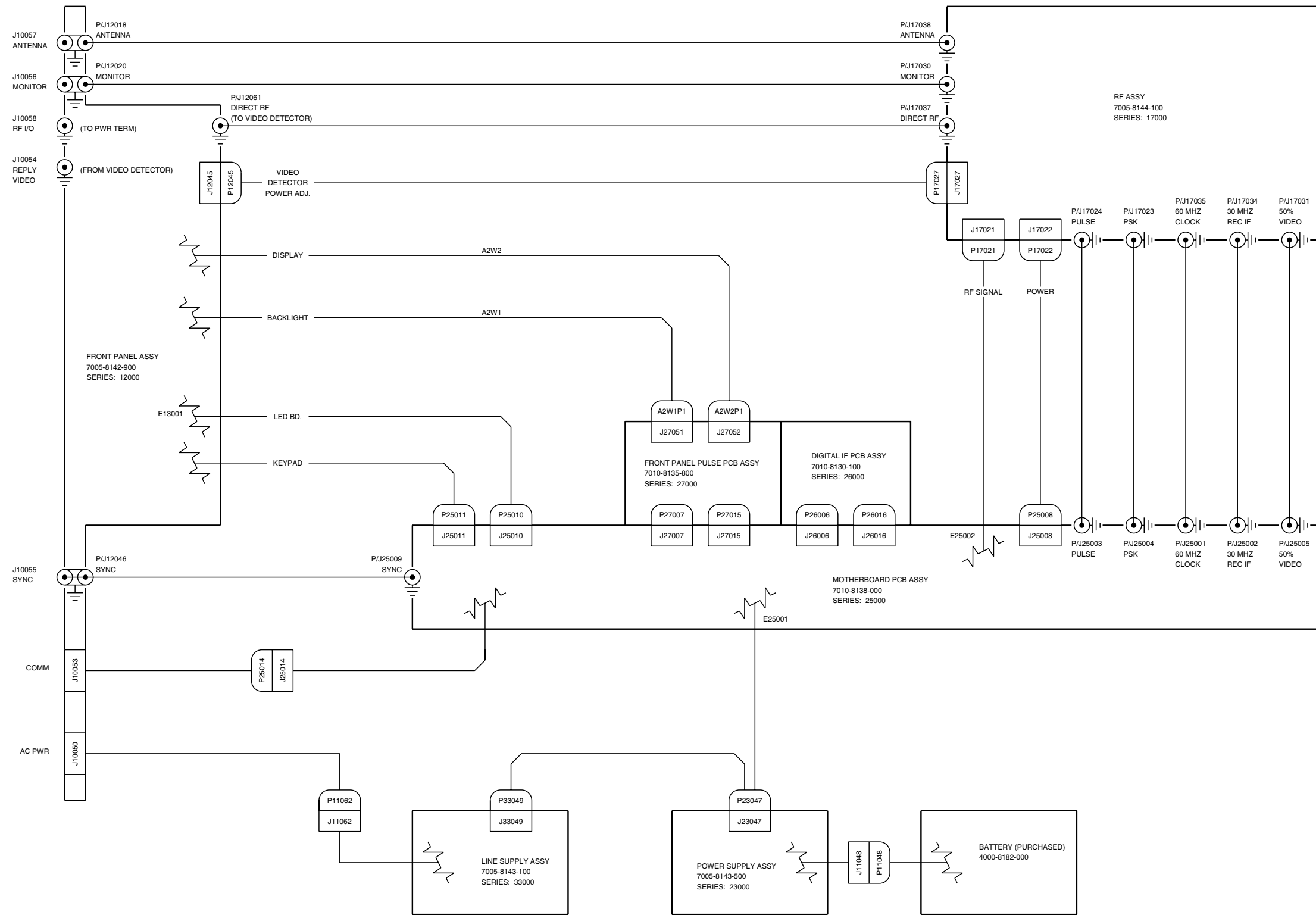
C. Alphabetical Index of Assemblies and Schematics

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Composite Assembly
(7003-8145-300-E)

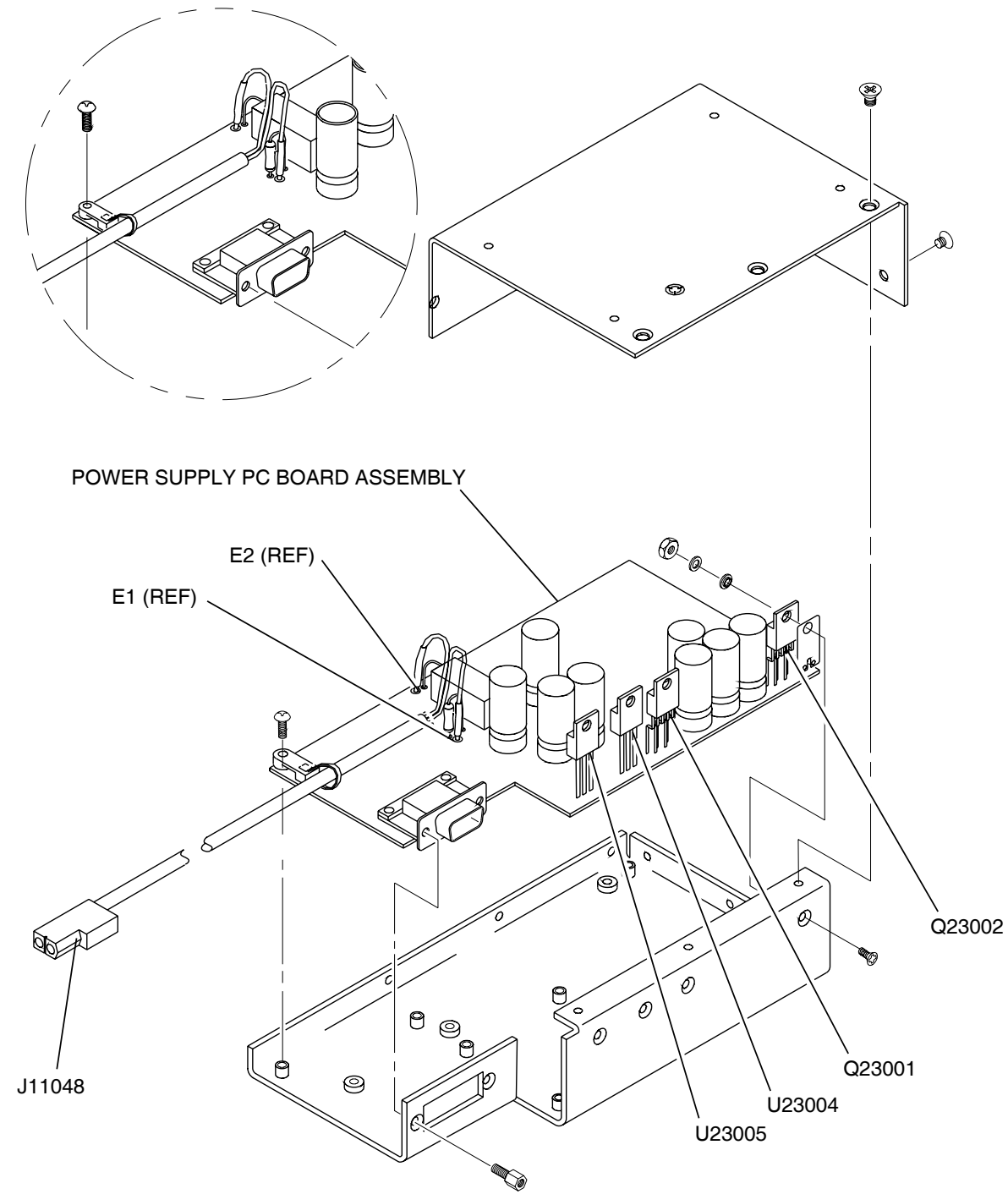
8120001M
Composite Assembly (Sheet 1 of 2)
Figure 30



Composite Assembly Interconnect Diagram
(0000-8145-300-C)

Composite Assembly (Sheet 2 of 2)
Figure 30

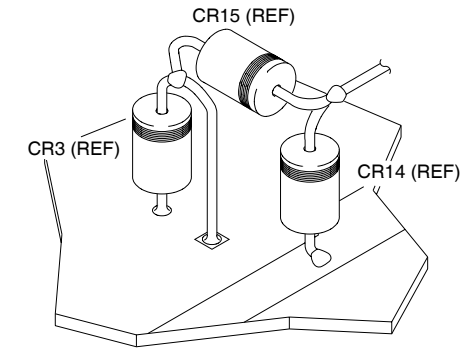
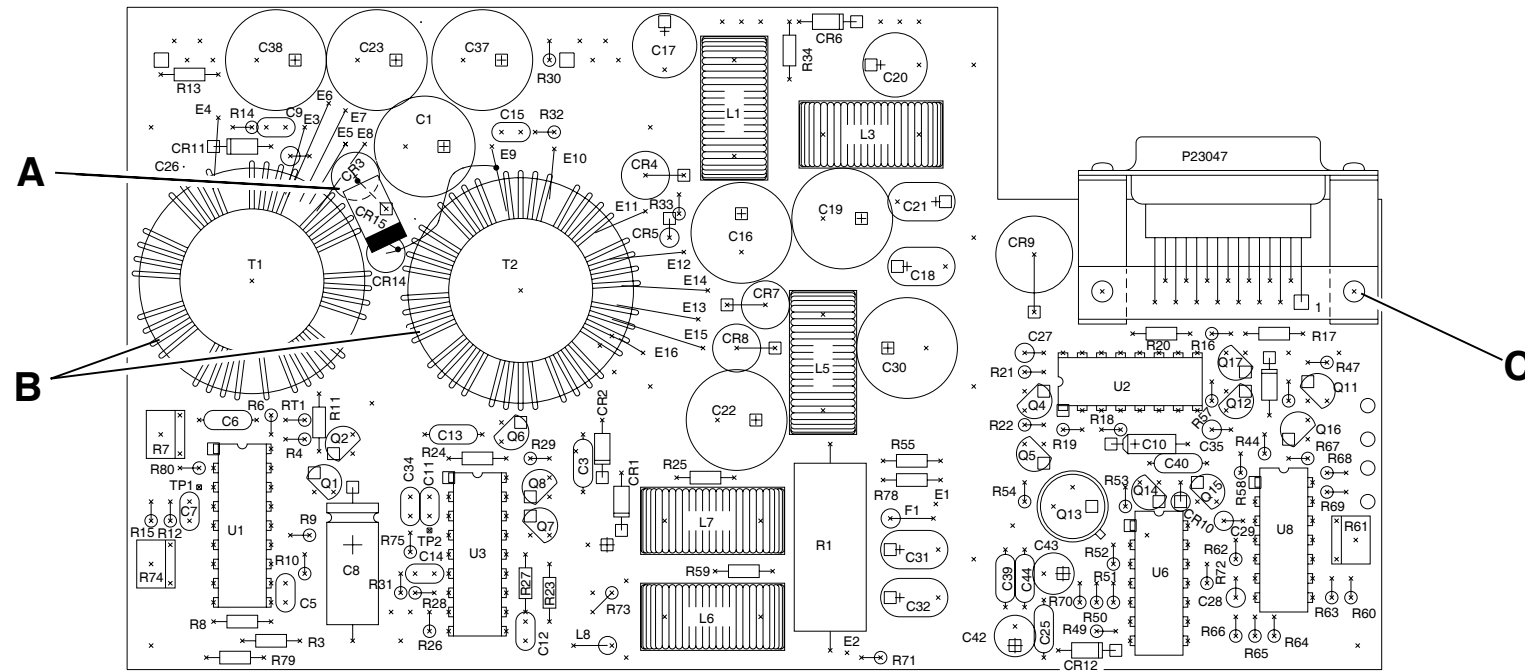
8145300E



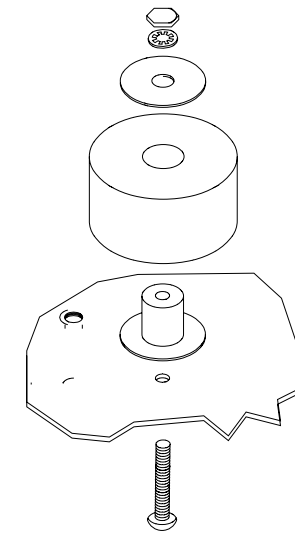
81000-2

Power Supply Assembly
(7005-8143-500-E)

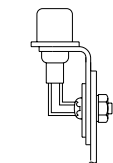
Power Supply Assembly (Sheet 1 of 4)
Figure 31



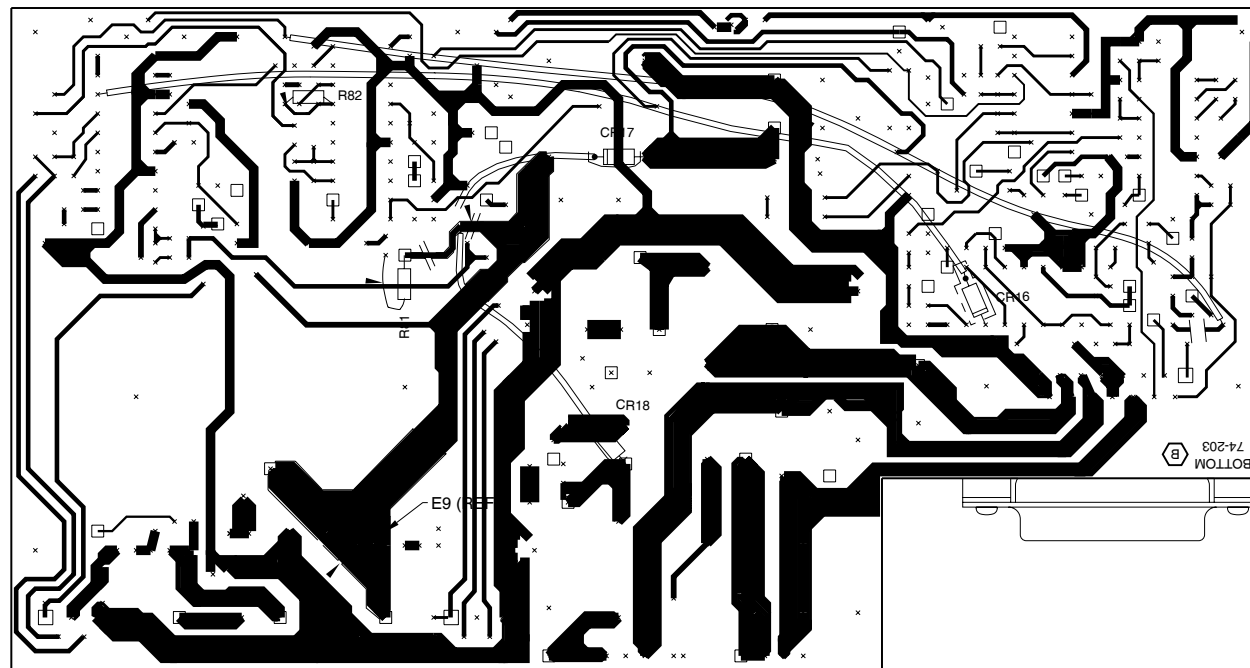
DETAIL A



DETAIL B



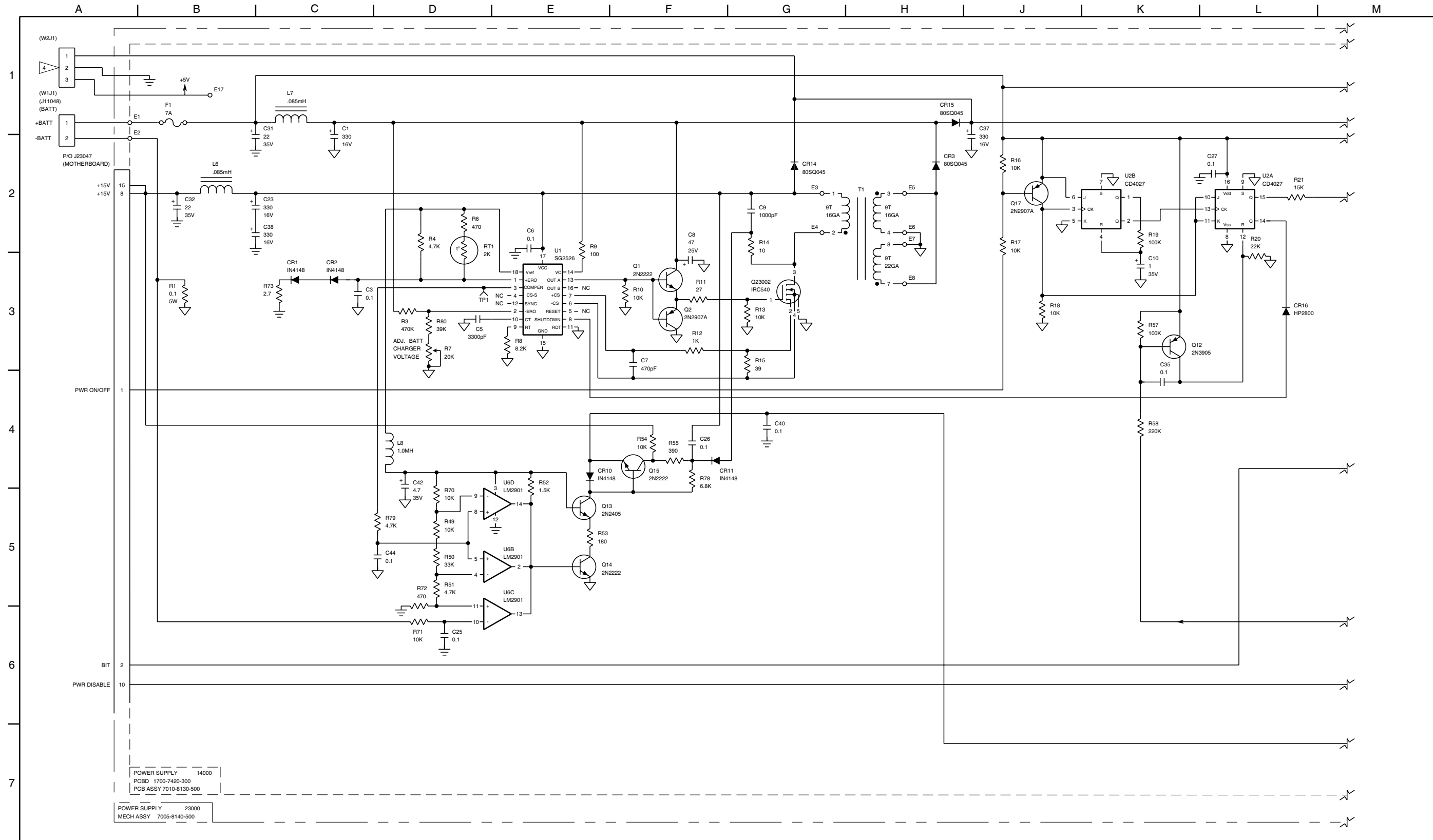
DETAIL C



Power Supply PC Board Assembly
(7010-8130-500-E)

Power Supply Assembly (Sheet 2 of 4)
Figure 31

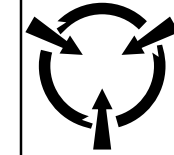
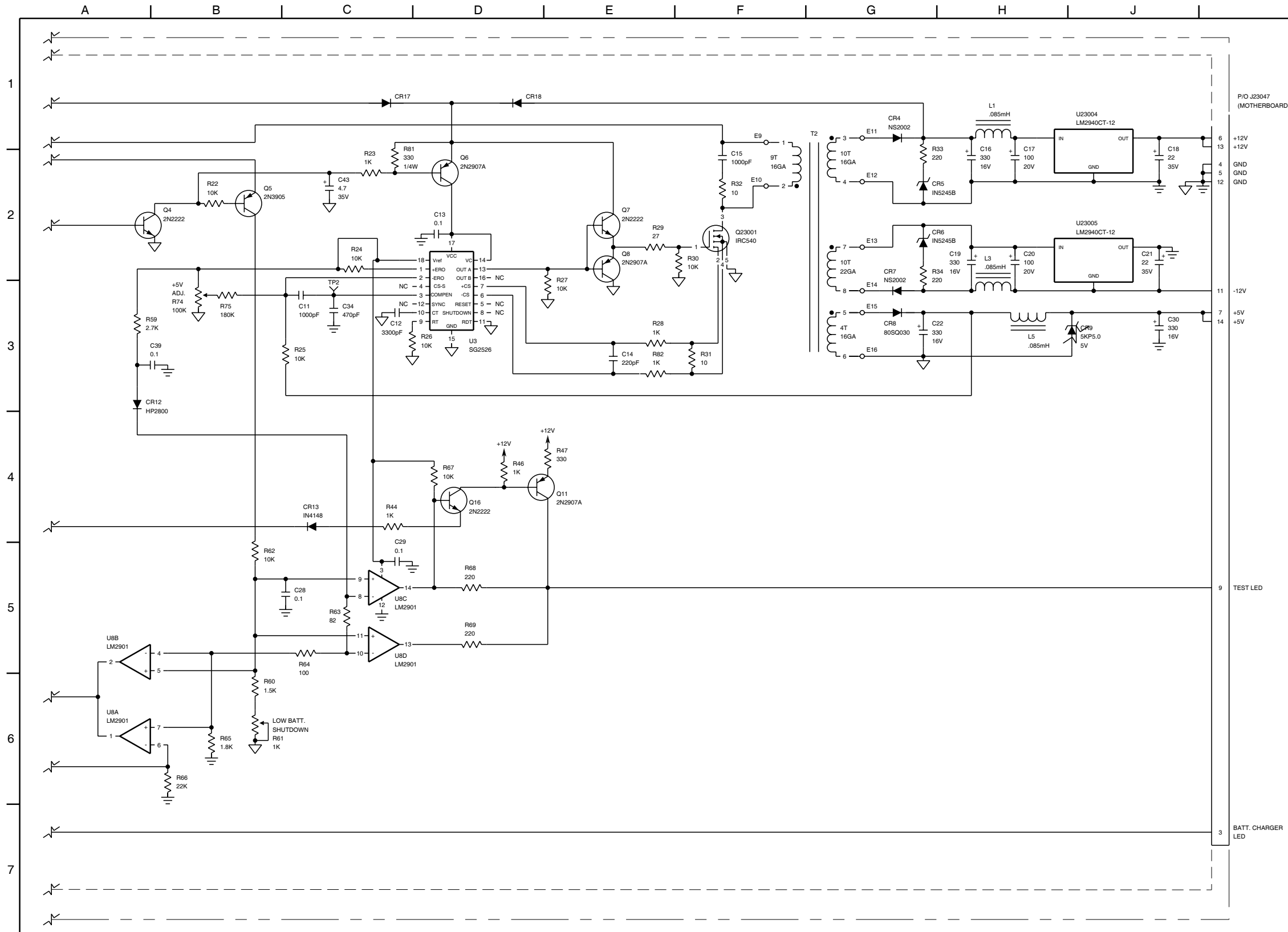
81003-2



Power Supply Assembly Circuit Schematic
(0000-8140-500-E)

Power Supply Assembly (Sheet 3 of 4)
Figure 31

8140501S-2



CAUTION:
CONTAINS PARTS AND ASSEMBLIES
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (ESD).

STANDARDS:

(UNLESS OTHERWISE NOTED)

1. ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES.

THIS SCHEMATIC CARRIES SERIES:

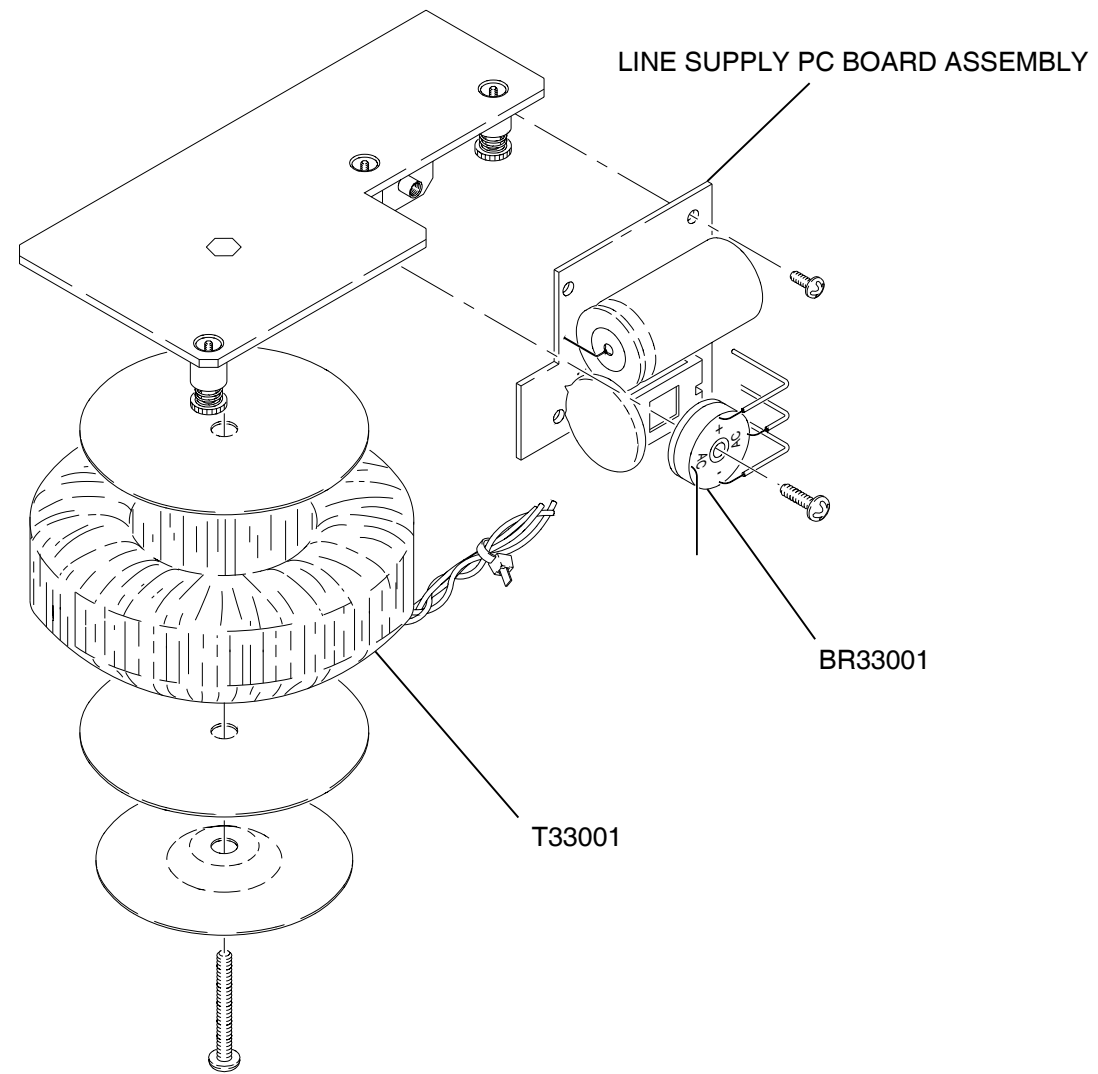
- 7010-8130-500 SERIES: 14000
- 7005-8140-500 SERIES: 23000

2. ALL RESISTORS ARE 1/8 W, 5 % TOLERANCE.
3. ALL RESISTANCE IS EXPRESSED IN OHMS.
4. ALL CAPACITANCE IS EXPRESSED IN MICROFARADS.

Power Supply Assembly Circuit Schematic
(0000-8140-500-E)

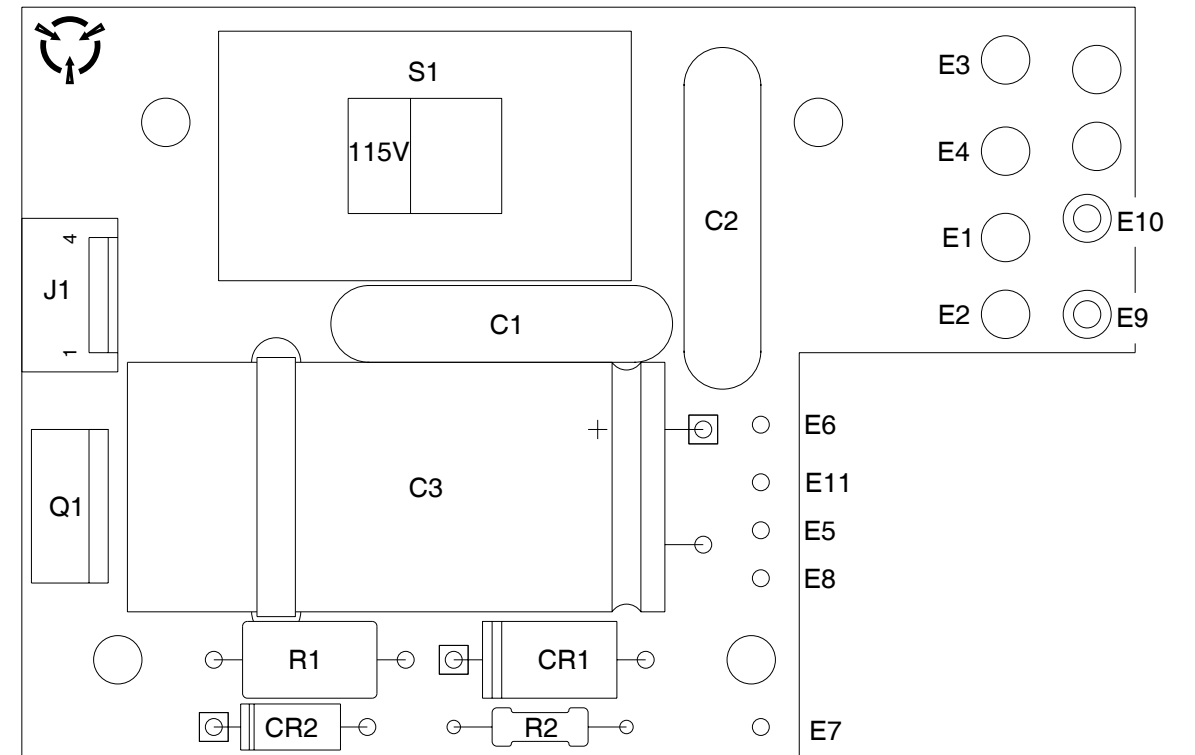
Power Supply Assembly (Sheet 4 of 4)
Figure 31

81025-2



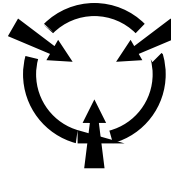
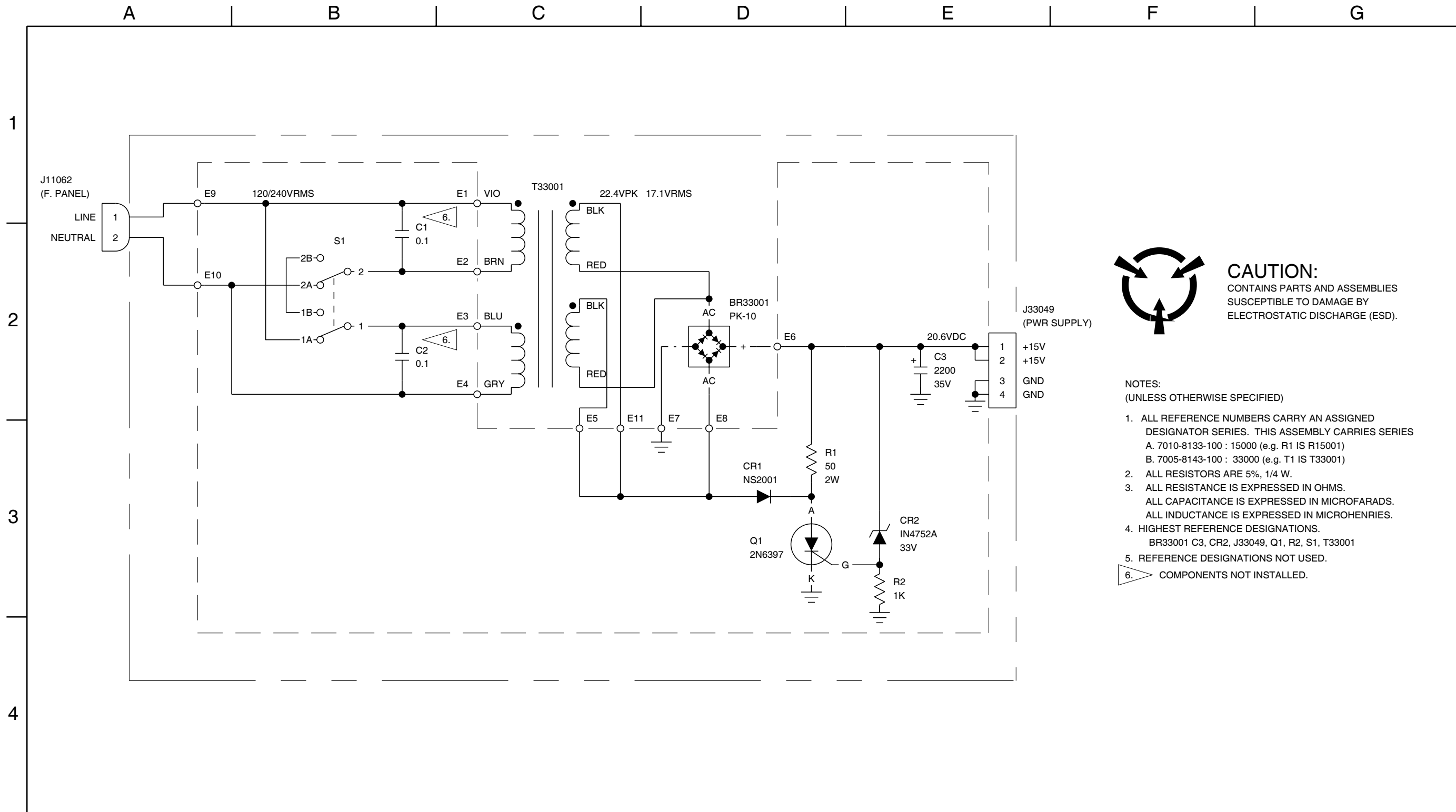
Line Supply Assembly
(7005-8143-100-E, E1, F)

8143100M



Line Supply PC Board Assembly
(7010-8133-100-A)

8133100P



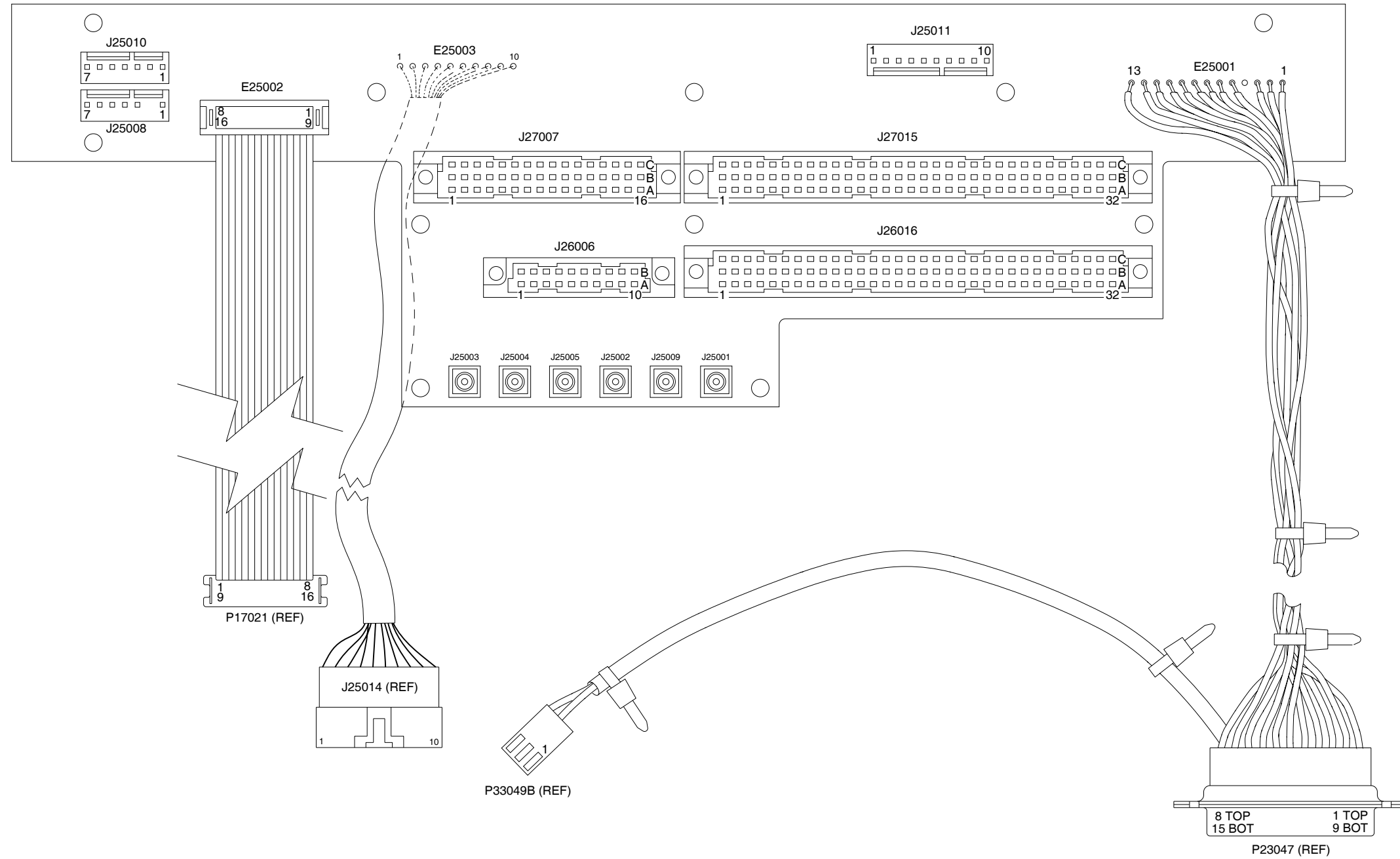
CAUTION:
CONTAINS PARTS AND ASSEMBLIES
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (ESD).

- NOTES:
(UNLESS OTHERWISE SPECIFIED)
1. ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES. THIS ASSEMBLY CARRIES SERIES
A. 7010-8133-100 : 15000 (e.g. R1 IS R15001)
B. 7005-8143-100 : 33000 (e.g. T1 IS T33001)
 2. ALL RESISTORS ARE 5%, 1/4 W.
 3. ALL RESISTANCE IS EXPRESSED IN OHMS.
ALL CAPACITANCE IS EXPRESSED IN MICROFARADS.
ALL INDUCTANCE IS EXPRESSED IN MICROHENRIES.
 4. HIGHEST REFERENCE DESIGNATIONS.
BR33001 C3, CR2, J33049, Q1, R2, S1, T33001
 5. REFERENCE DESIGNATIONS NOT USED.
 6. COMPONENTS NOT INSTALLED.

Line Supply Assembly Circuit Schematic
(0000-8143-100-B2)

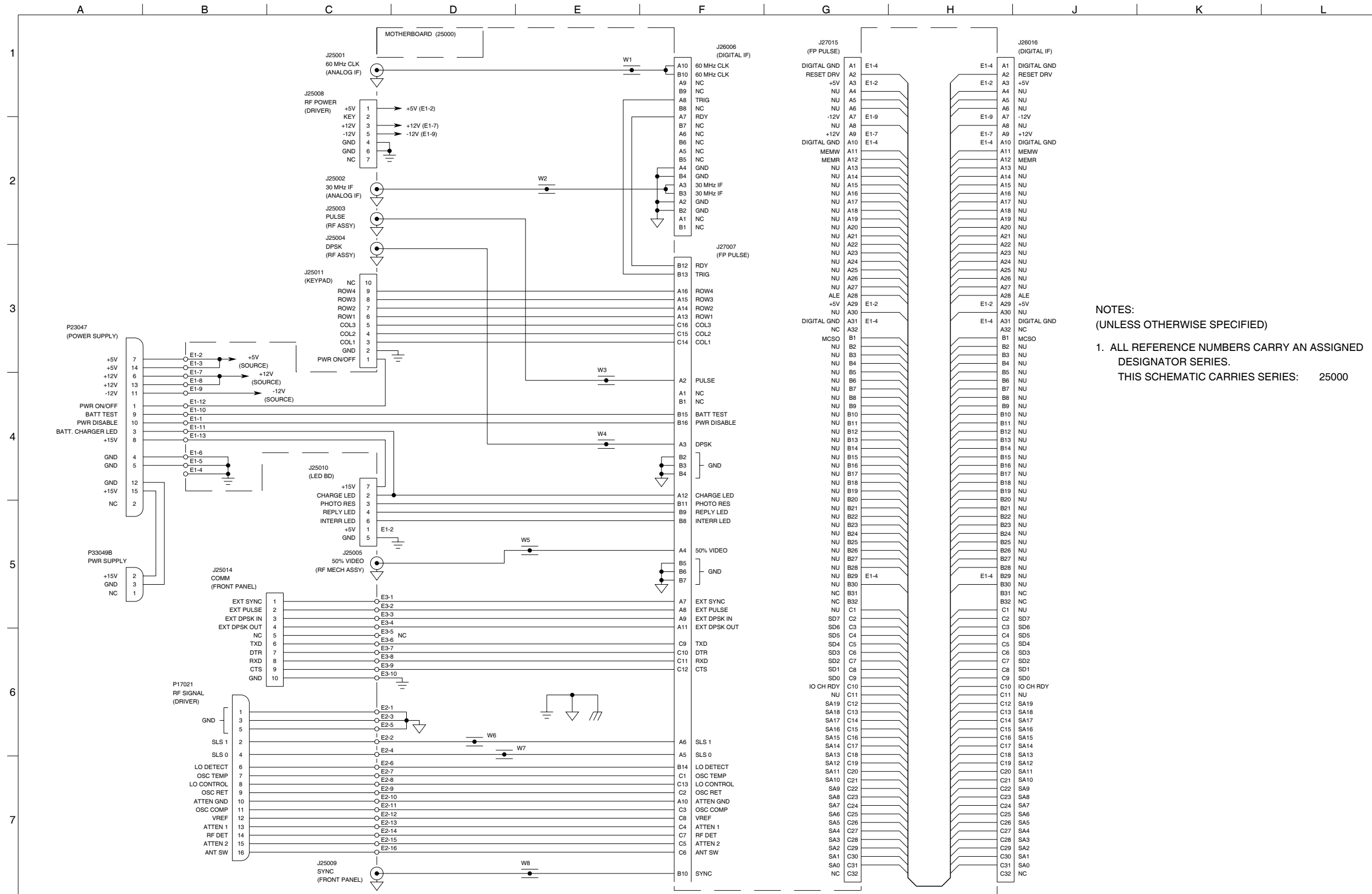
Line Supply Assembly (Sheet 2 of 2)
Figure 32

811001-2



Motherboard PC Board Assembly
(7010-8138-000-B)

8134000P
Motherboard PC Board Assembly (Sheet 1 of 2)
Figure 33

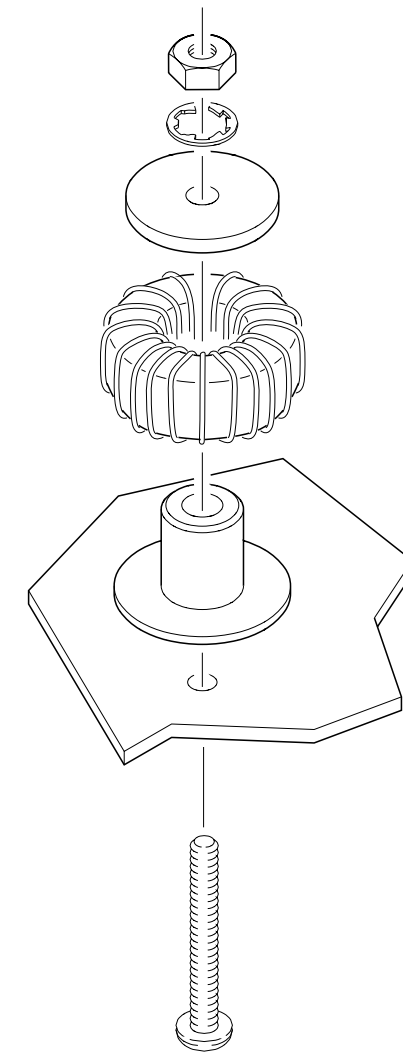
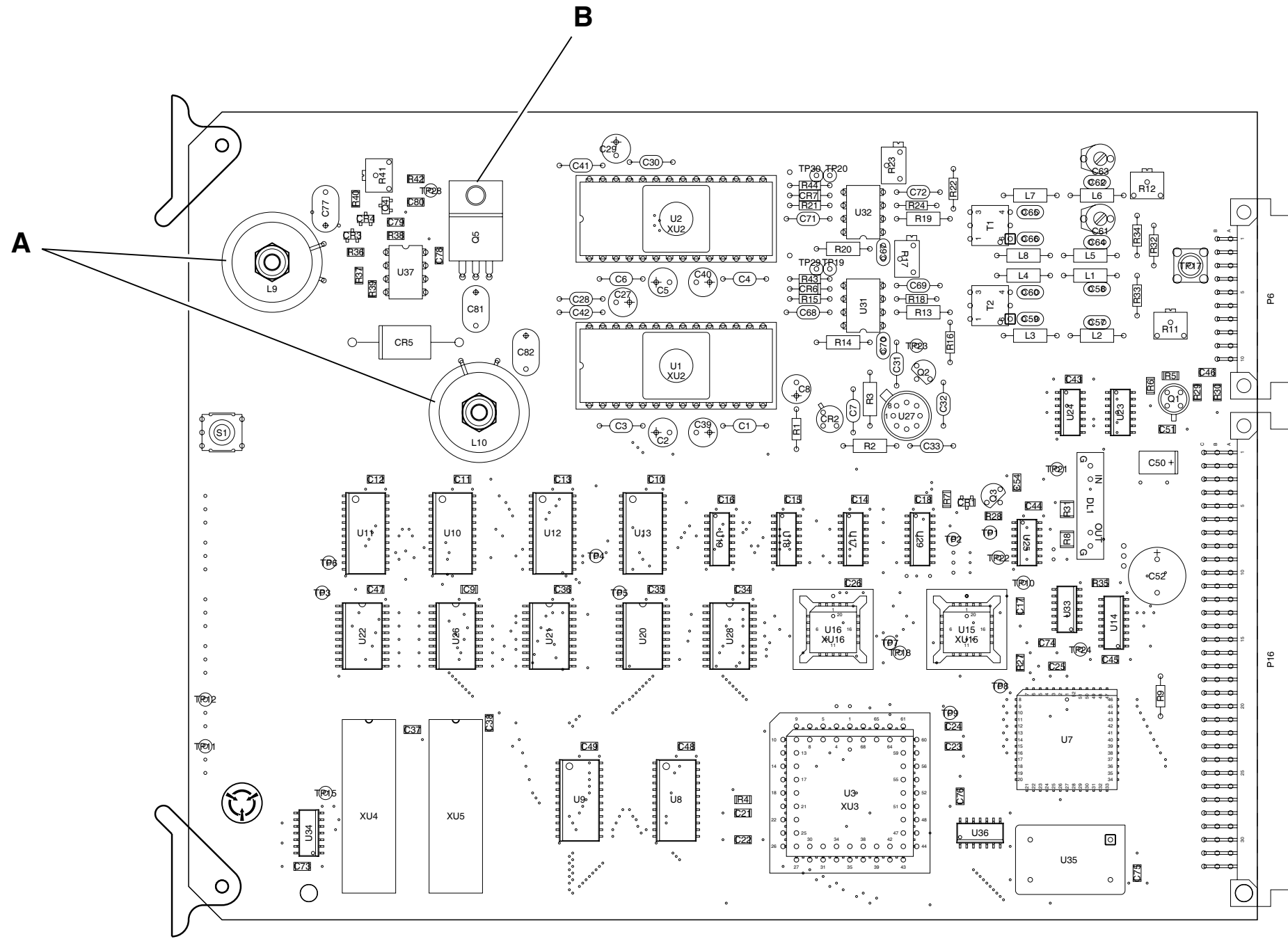


NOTES:
(UNLESS OTHERWISE SPECIFIED)
1. ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES.
THIS SCHEMATIC CARRIES SERIES: 25000

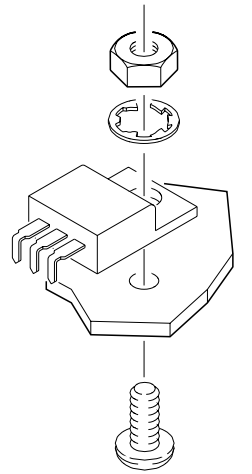
Motherboard PC Board Assembly Circuit Schematic
(0000-8130-000-B)

Motherboard PC Board Assembly (Sheet 2 of 2)
Figure 33

8130000S



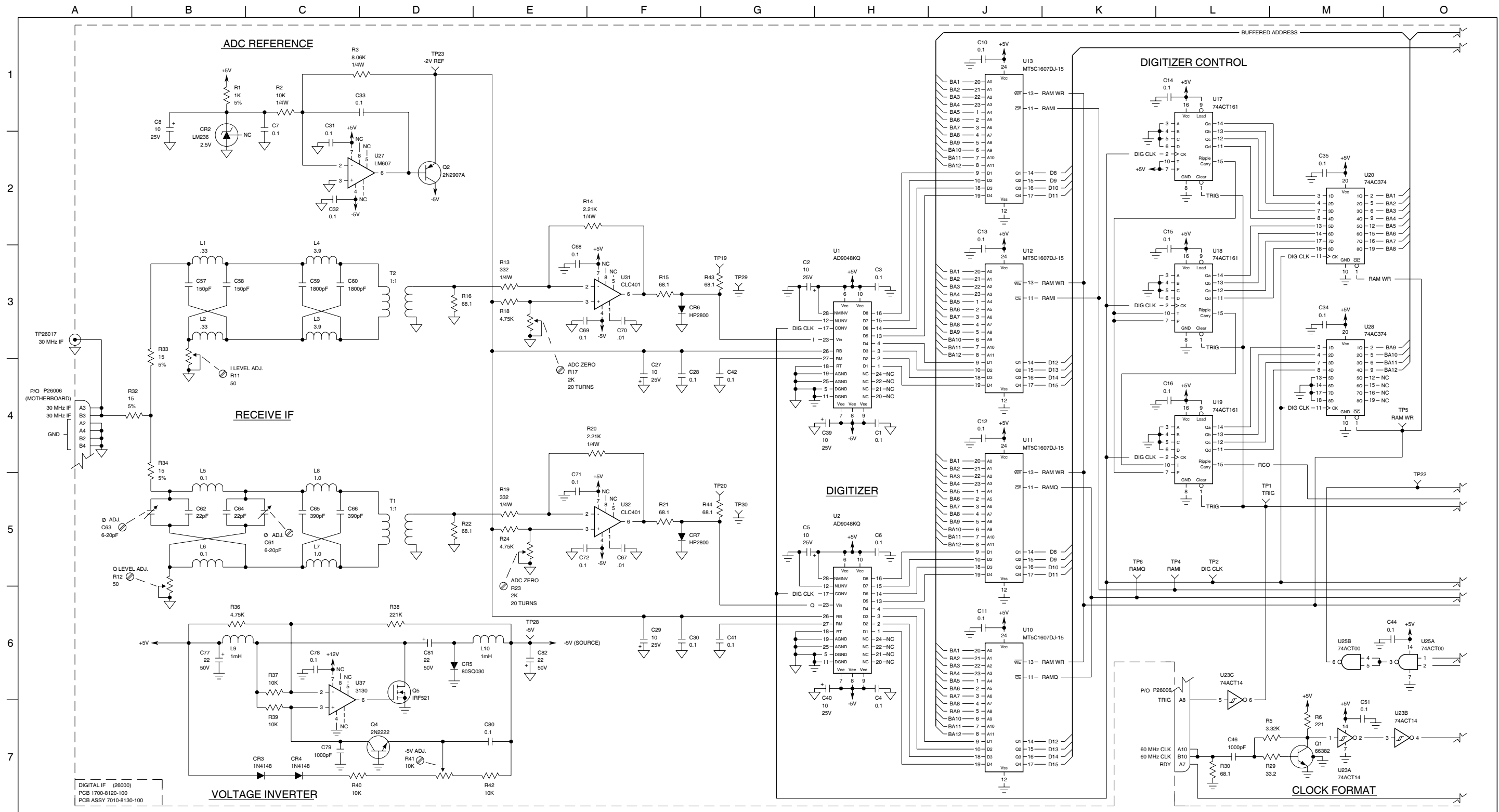
DETAIL A



DETAIL B

Digital IF PC Board Assembly
(7010-8130-100-F)

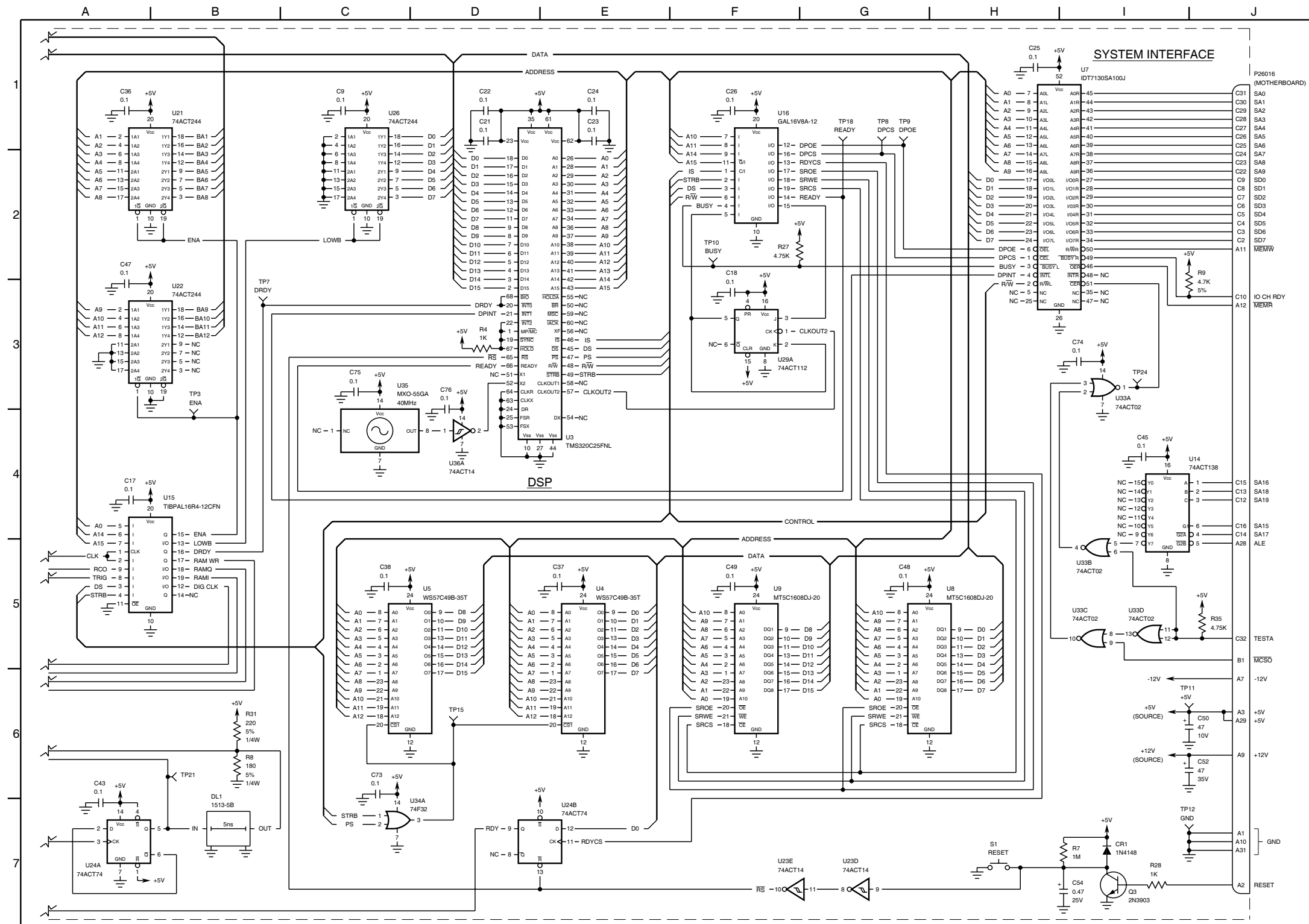
Digital IF PC Board Assembly (Sheet 1 of 3)
Figure 34



Digital IF PC Board Assembly Circuit Schematic
(0000-8130-100-D1)

Digital IF PC Board Assembly (Sheet 2 of 3)
Figure 34

8530101S



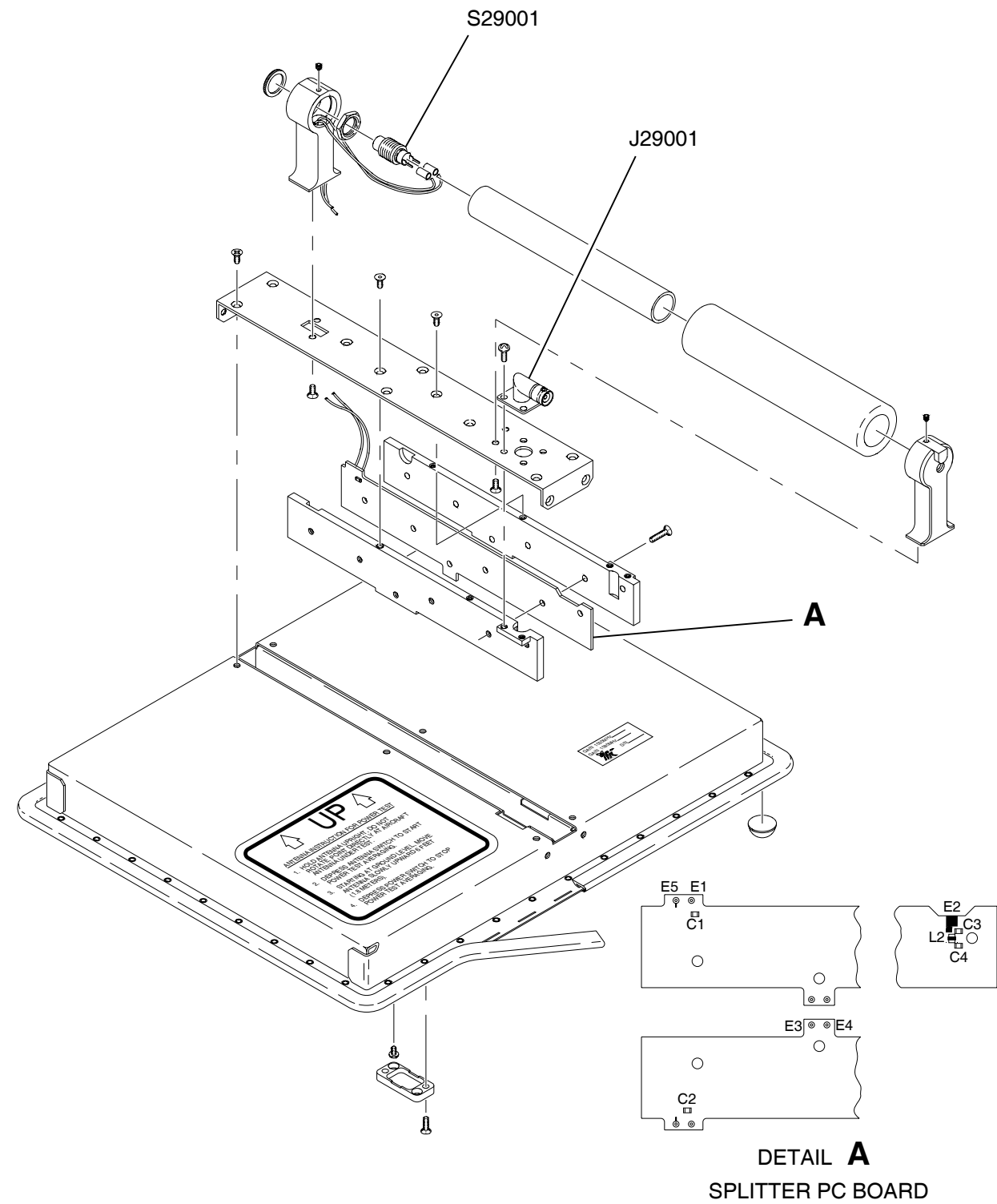
CAUTION:
CONTAINS PARTS AND ASSEMBLIES
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (ESD).

- NOTES:
(UNLESS OTHERWISE SPECIFIED)
1. ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES. THIS ASSEMBLY CARRIES SERIES: 7010-8130-100 26000 (e.g., R1 IS R26001)
 2. ALL RESISTORS ARE 1/8W, 1% TOLERANCE.
 3. ALL RESISTANCE IS EXPRESSED IN OHMS.
 4. ALL CAPACITANCE IS EXPRESSED IN MICROFARADS.
 5. ALL INDUCTANCE IS EXPRESSED IN MICROHENRIES.
6. REV E AND ON ONLY.

Digital IF PC Board Assembly Circuit Schematic
(0000-8130-100-E)

Digital IF PC Board Assembly (Sheet 3 of 3)
Figure 34

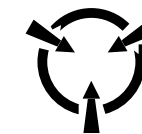
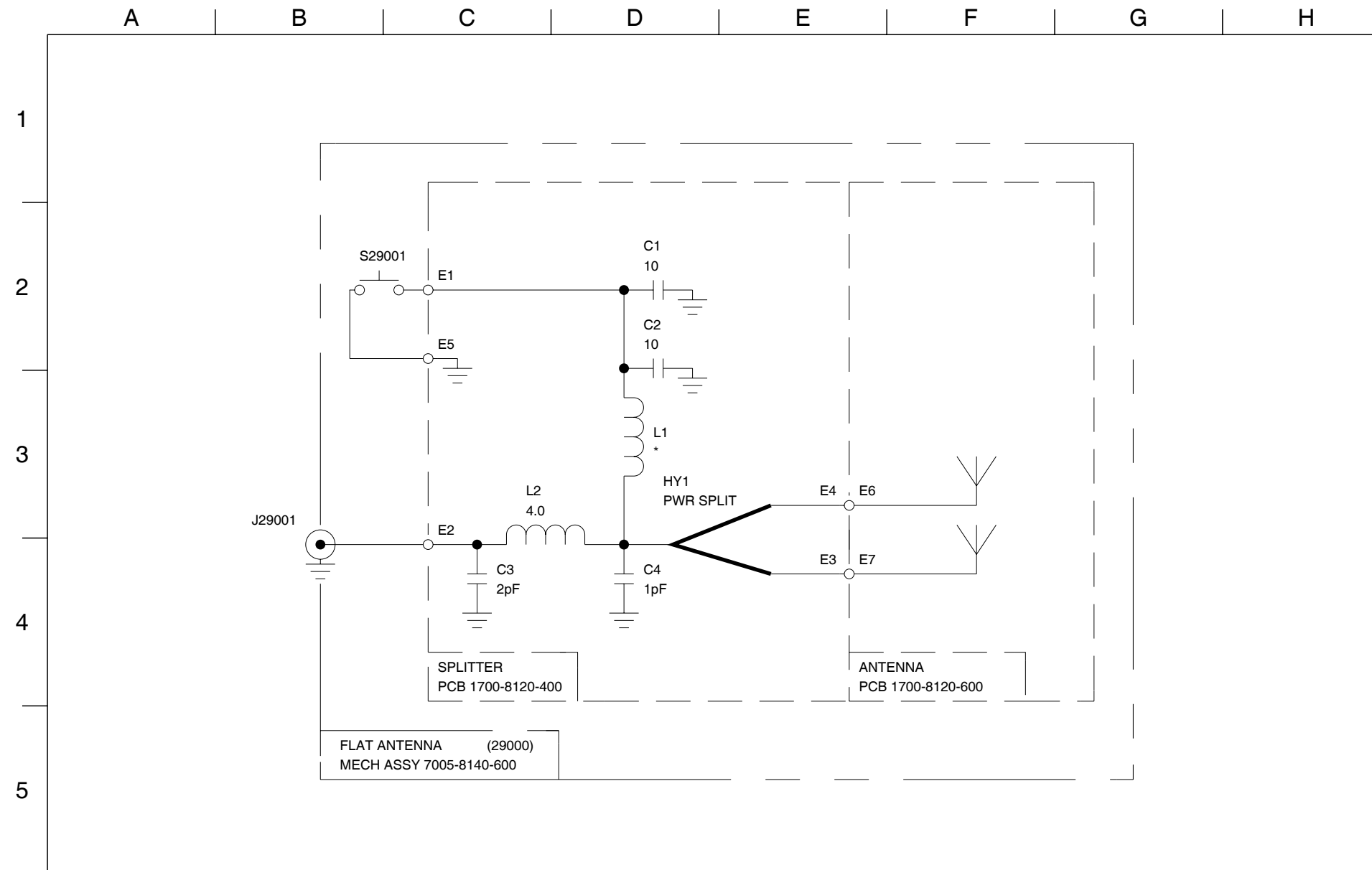
8530102S



8140600M

Flat Antenna Assembly
(7005-8140-600-H)

Flat Antenna Assembly (Sheet 1 of 2)
Figure 35



CAUTION:

CONTAINS PARTS AND ASSEMBLIES
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (ESD).

NOTES:

(UNLESS OTHERWISE SPECIFIED)

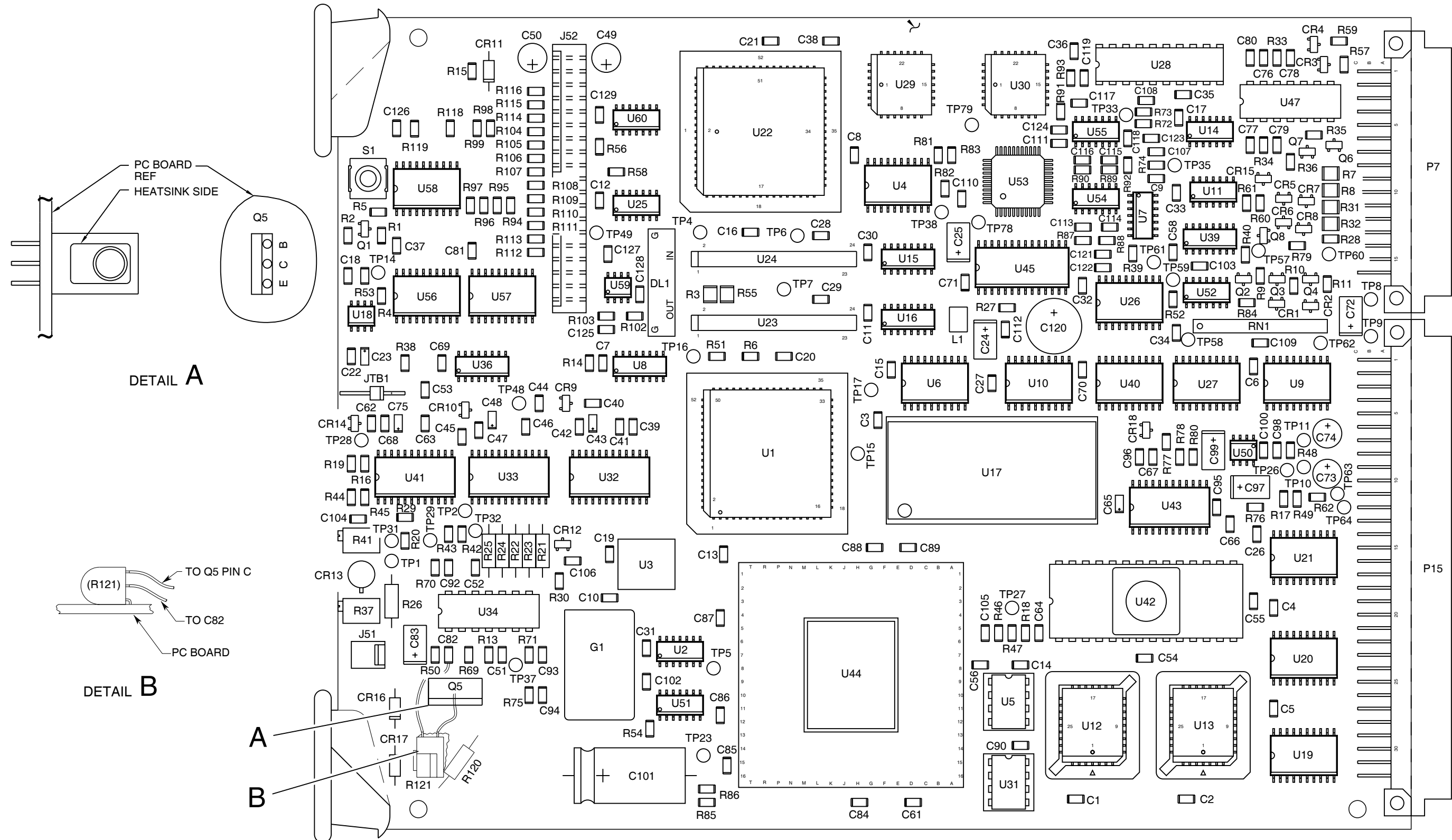
1. ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES. THIS ASSEMBLY CARRIES SERIES:
A. 7005-8140-600 : 29000 (e.g. C1 IS C29001)
2. ALL CAPACITANCE IS EXPRESSED IN PICOFARADS.
3. ALL INDUCTANCE IS EXPRESSED IN NANOHENRIES.

* - INDICATES TRANSMISSION LINES OF OTHER THAN 50 OHMS IMPEDANCE WHICH CONSTITUTE CIRCUIT ELEMENTS.

8140600S

Flat Antenna Assembly Circuit Schematic
(0000-8140-600-D1)

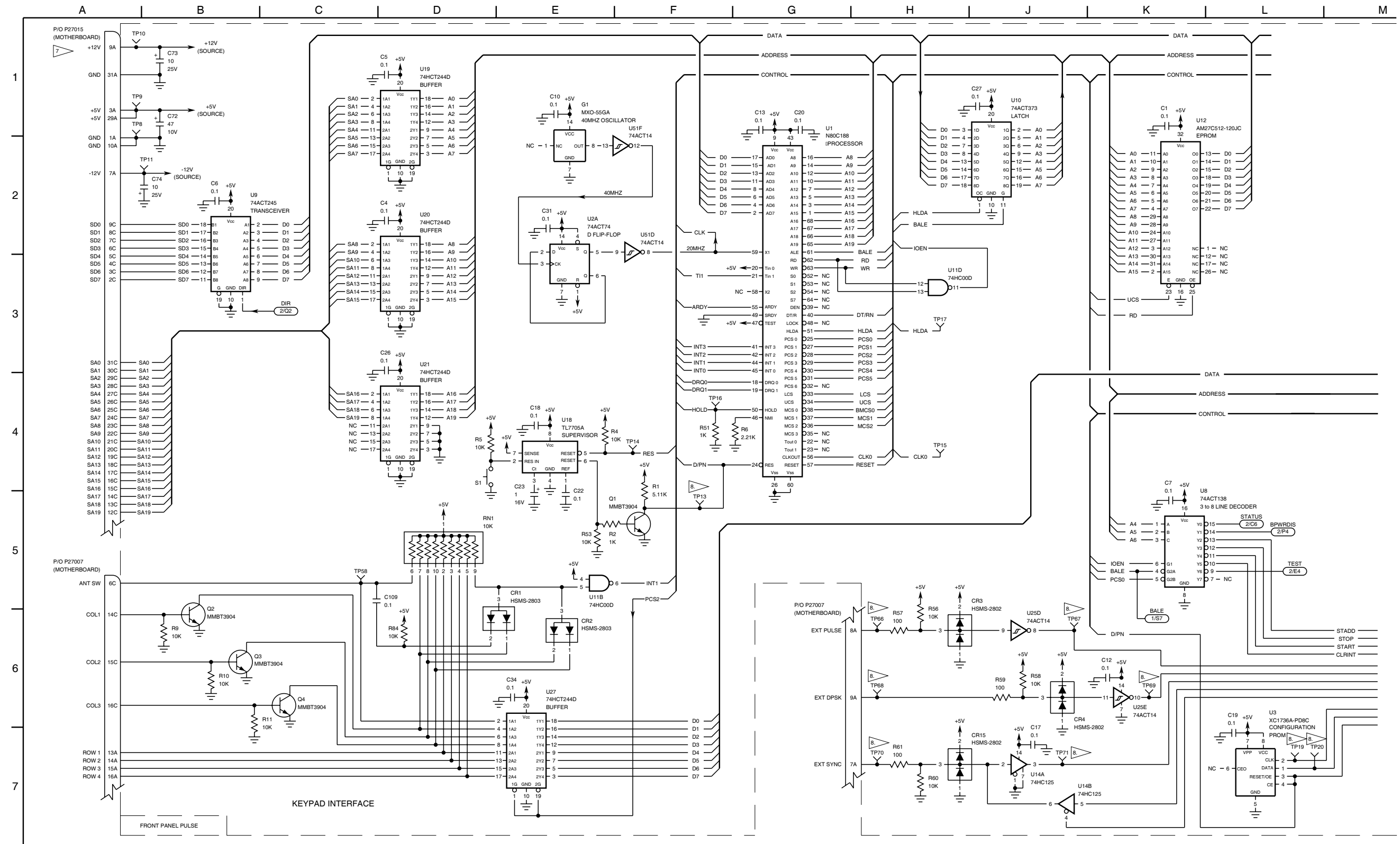
Flat Antenna (Sheet 2 of 2)
Figure 35



Front Panel Pulse PC Board Assembly
(7010-8132-800-B)

Front Panel Pulse PC Board Assembly (Sheet 1 of 12)
Figure 36

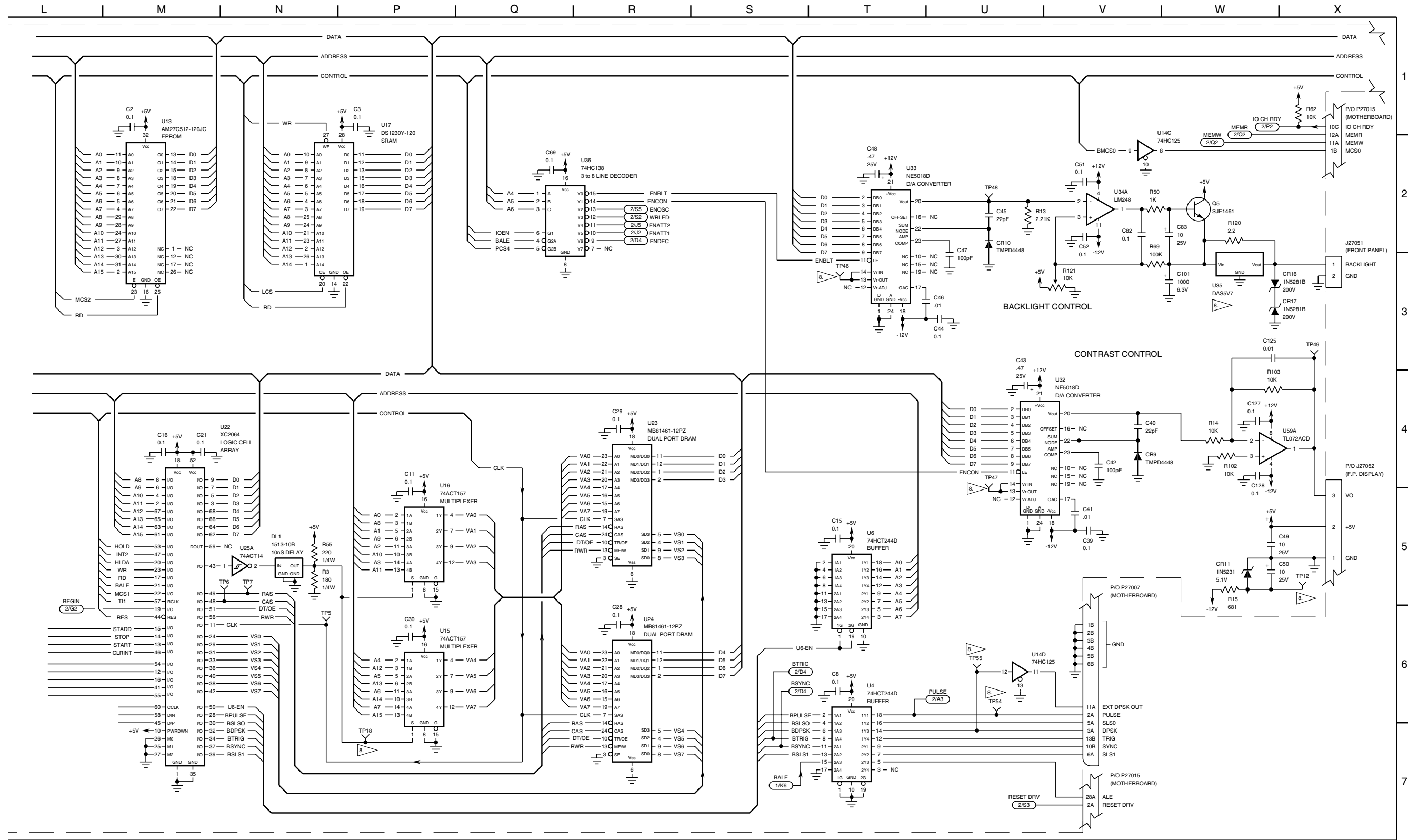
8132800A



Front Panel Pulse PC Board Assembly Circuit Schematic
(0000-8132-800-A)

Front Panel Pulse PC Board Assembly
(Sheet 2 of 12)
Figure 36

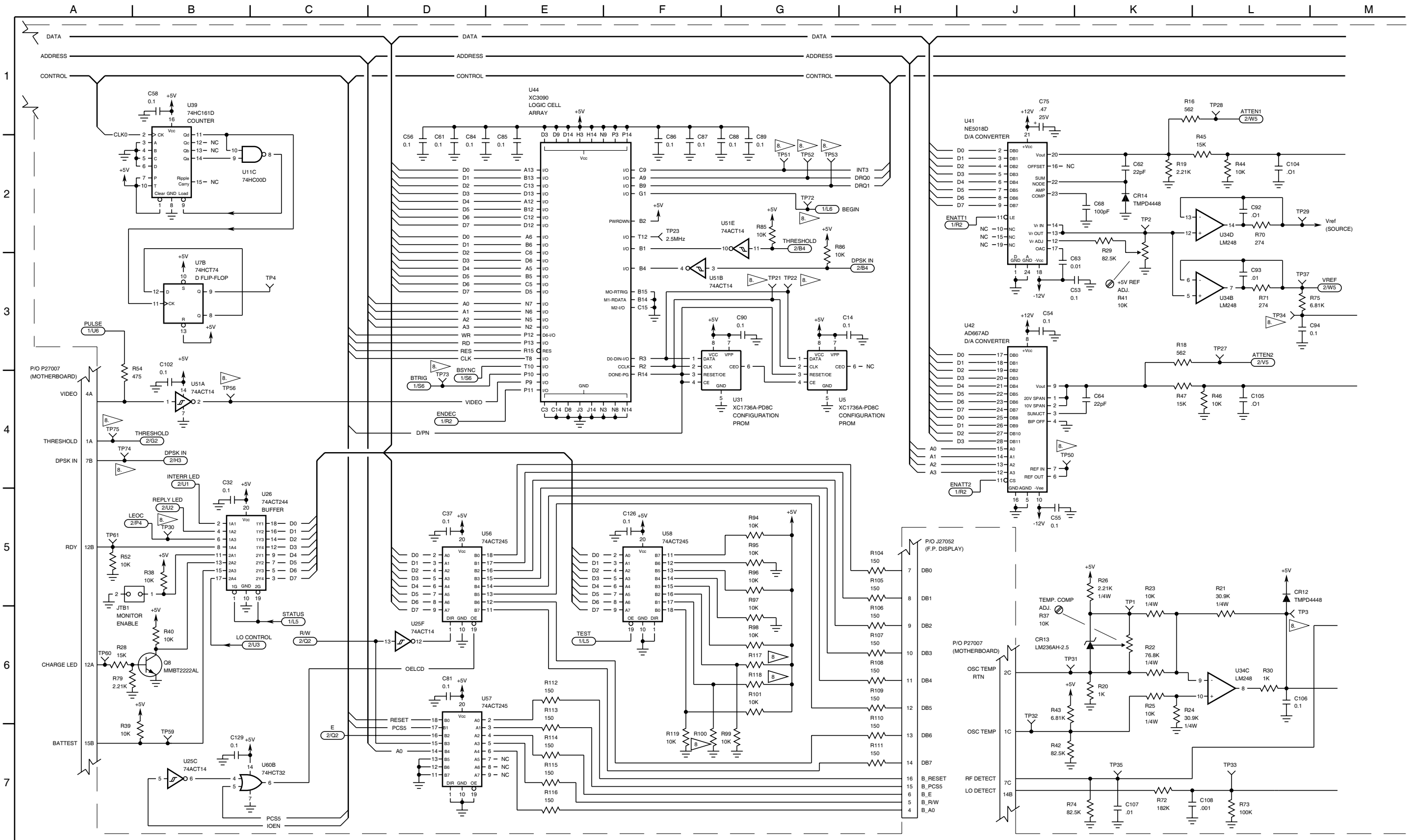
081M-001



Front Panel Pulse PC Board Assembly Circuit Schematic
(0000-8132-800-A)

Front Panel Pulse PC Board Assembly (Sheet 3 of 12)
Figure 36

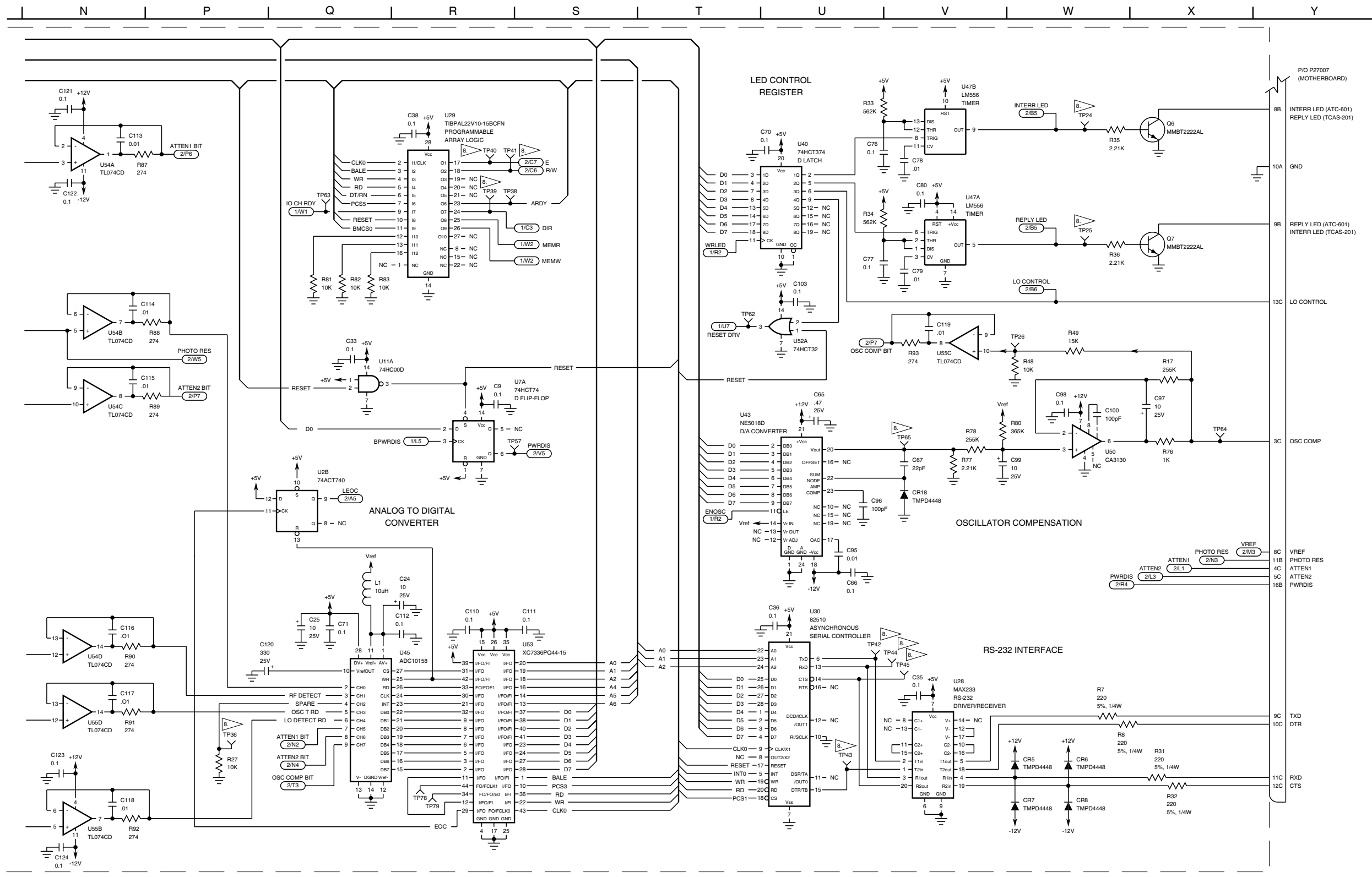
081M-002



Front Panel Pulse PC Board Assembly Circuit Schematic
(0000-8132-800-B)

Front Panel Pulse PC Board Assembly
(Sheet 4 of 12)
Figure 36

081M-003



CAUTION:
CONTAINS PARTS AND ASSYS
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE
(ESD).

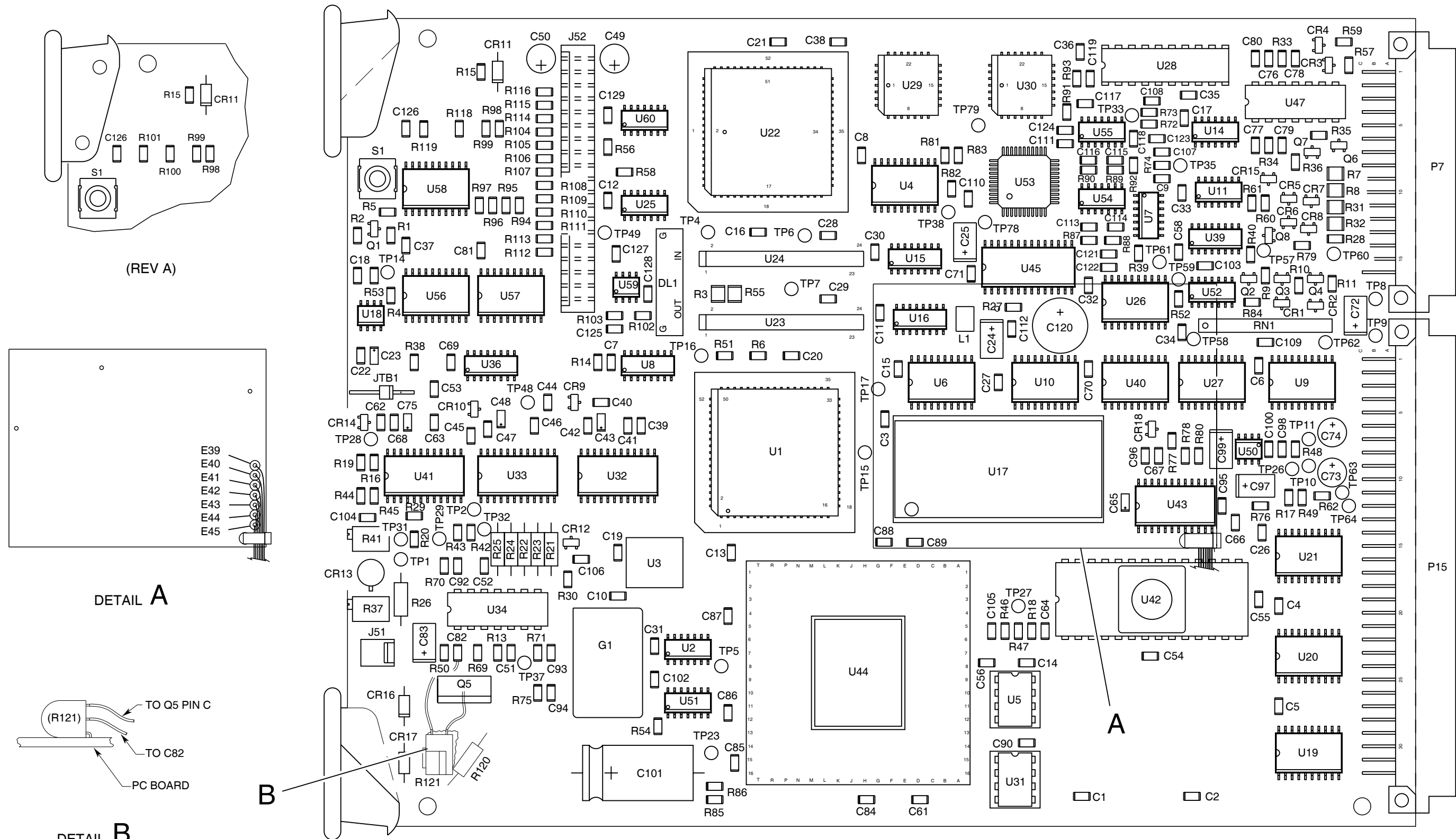
NOTES:
(UNLESS OTHERWISE STATED)

1. BASIC REFERENCE DESIGNATORS SHOWN, FOR COMPLETE DESIGNATOR PREFIXES, REFER TO PRODUCT STRUCTURE AND SYSTEM INTERCONNECT.
 2. ALL RESISTORS ARE 1% TOLERANCE, 1/8 W.
 3. ALL RESISTANCE IS EXPRESSED IN OHMS.
 4. ALL CAPACITANCE IS EXPRESSED IN MICROFARADS.
 5. ALL INDUCTANCE IS EXPRESSED IN MICROHENRYS.
 6. NOT USED
- PINS NOT USED ON P27015:
 4A - 6A, 8A, 13A - 27A, 29A, 30A, 2B - 31B, 1C, 11C
- COMPONENTS NOT INSTALLED

Front Panel Pulse PC Board Assembly Circuit Schematic
(0000-8132-800-A)

Front Panel Pulse PC Board Assembly (Sheet 5 of 12)
Figure 36

081M-004



(REV A)

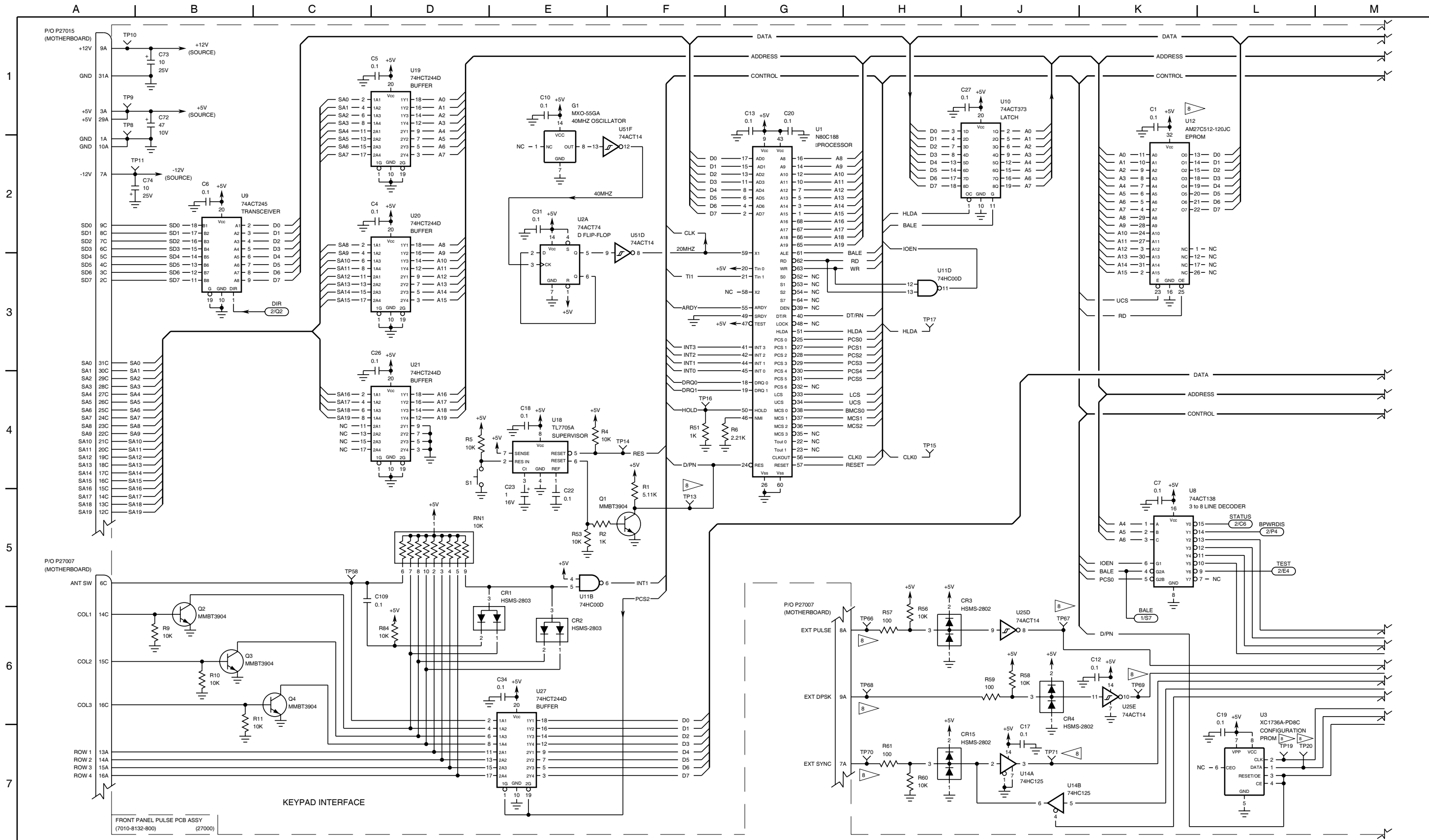
DETAIL A

DETAIL B

Front Panel Pulse PC Board Assembly
(7010-8135-800-B)

Front Panel Pulse PC Board Assembly
(Sheet 6 of 12)
Figure 36

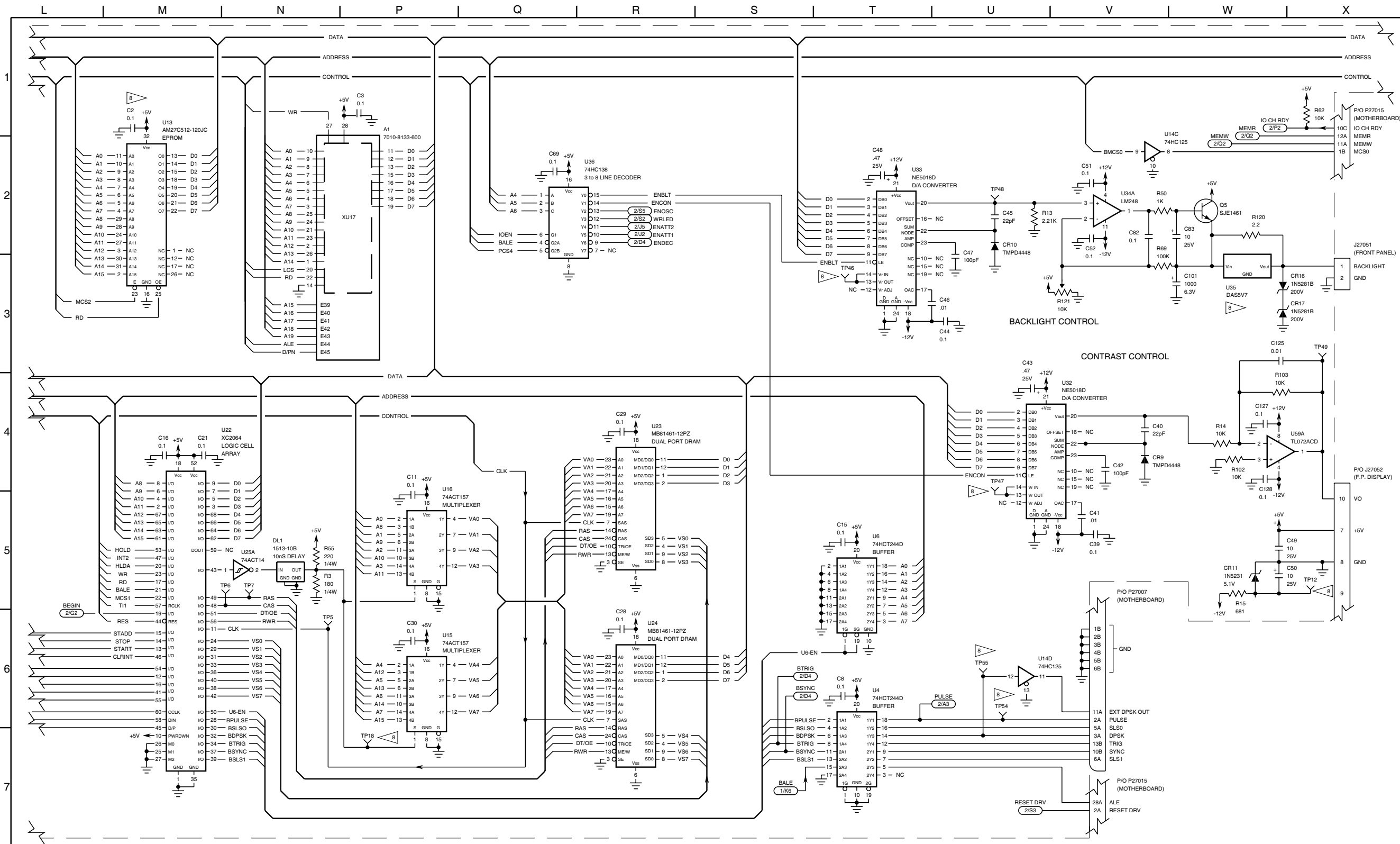
8135800A



Front Panel Pulse PC Board Assembly Circuit Schematic
(0000-8135-800-B)

Front Panel Pulse PC Board Assembly (Sheet 7 of 12)
Figure 36

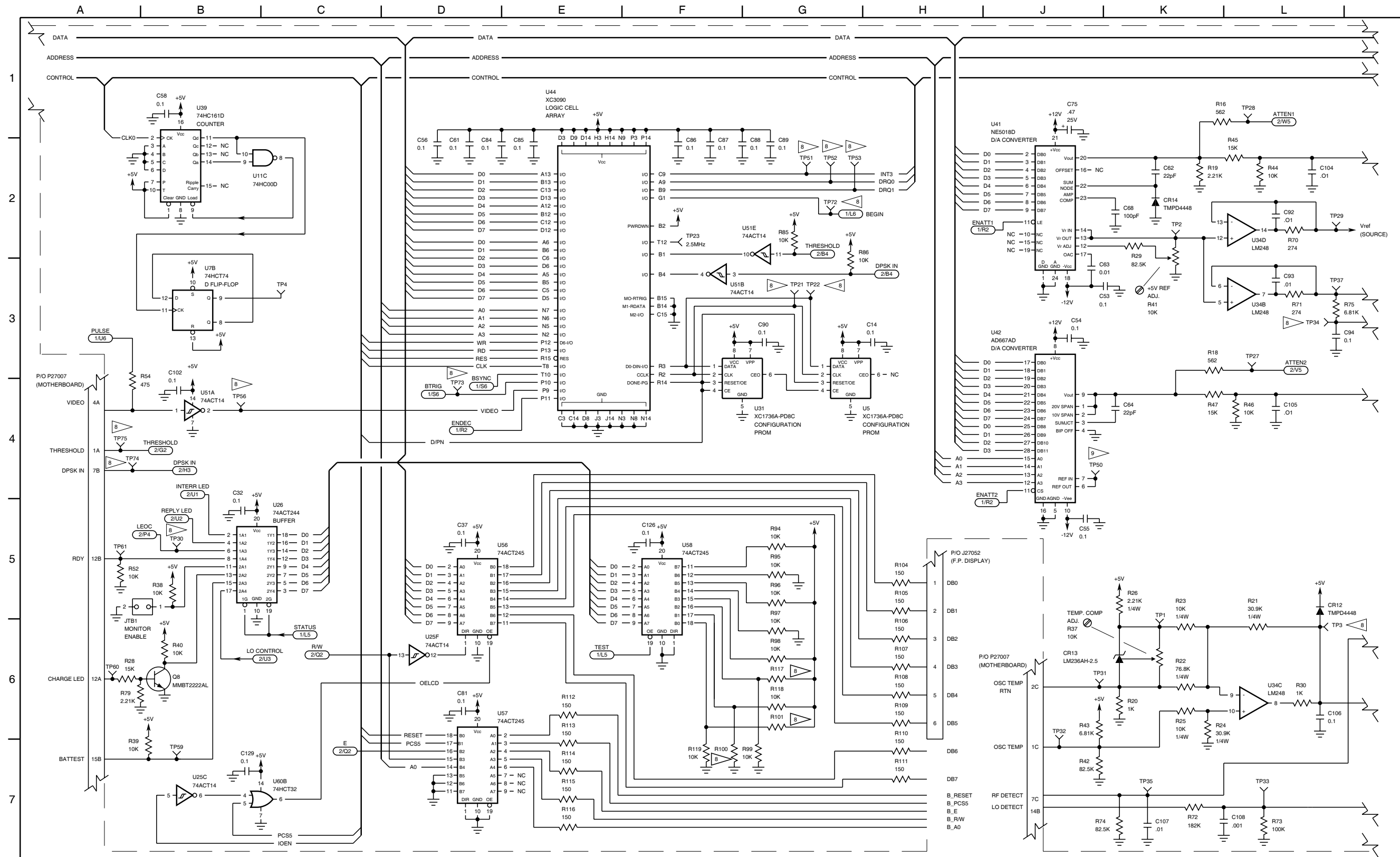
081M-001



081M-002

Front Panel Pulse PC Board Assembly Circuit Schematic
(0000-8135-800-B)

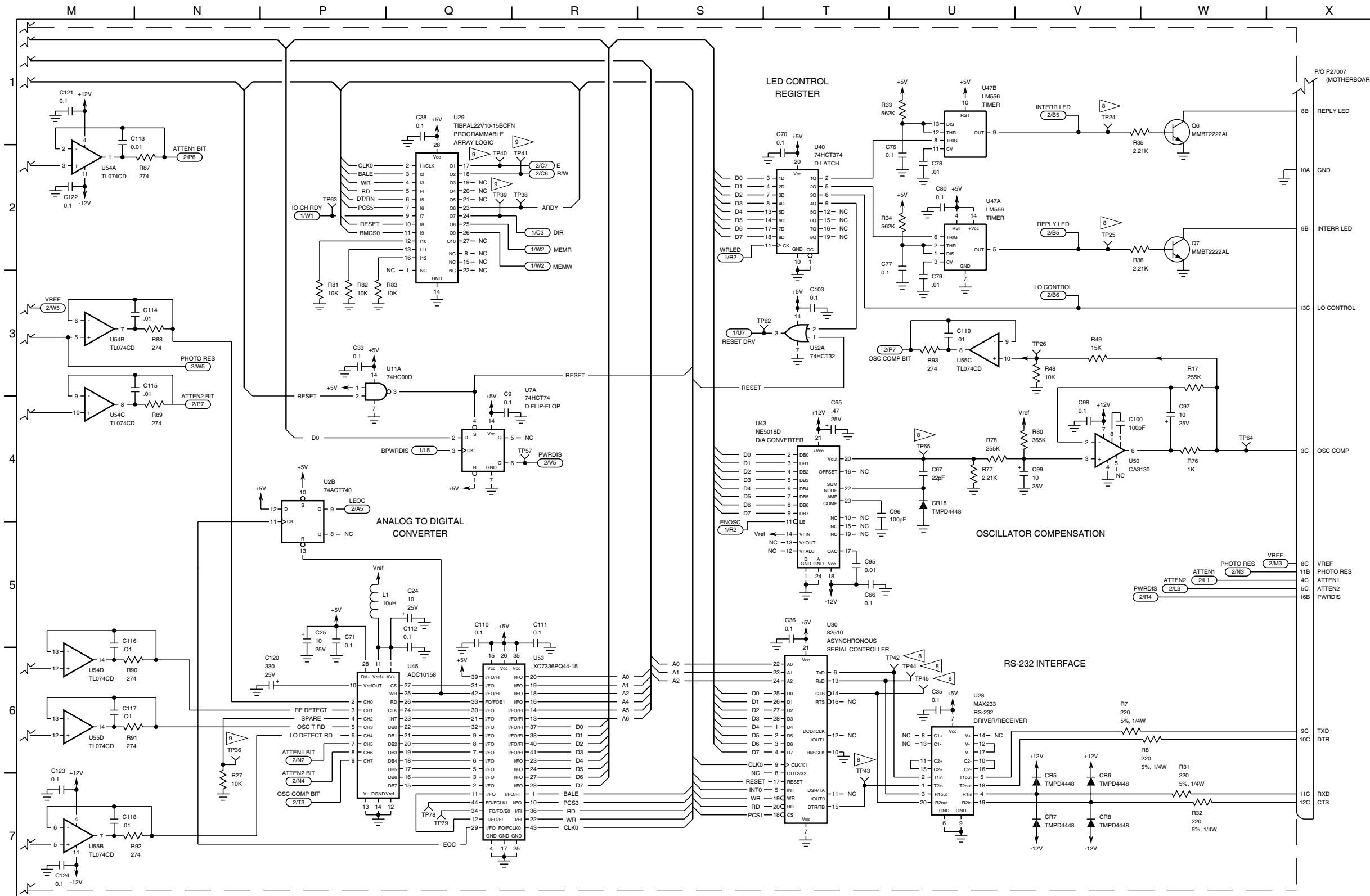
Front Panel Pulse PC Board Assembly
(Sheet 8 of 12)
Figure 36



Front Panel Pulse PC Board Assembly Circuit Schematic
(0000-8135-800-B)

Front Panel Pulse PC Board Assembly (Sheet 9 of 12)
Figure 36

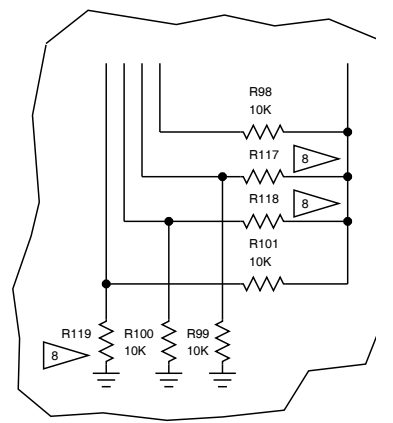
081M-003



CAUTION:
CONTAINS PARTS AND ASSEMBLY
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (E)

NOTES:
(UNLESS OTHERWISE SPECIFIED)

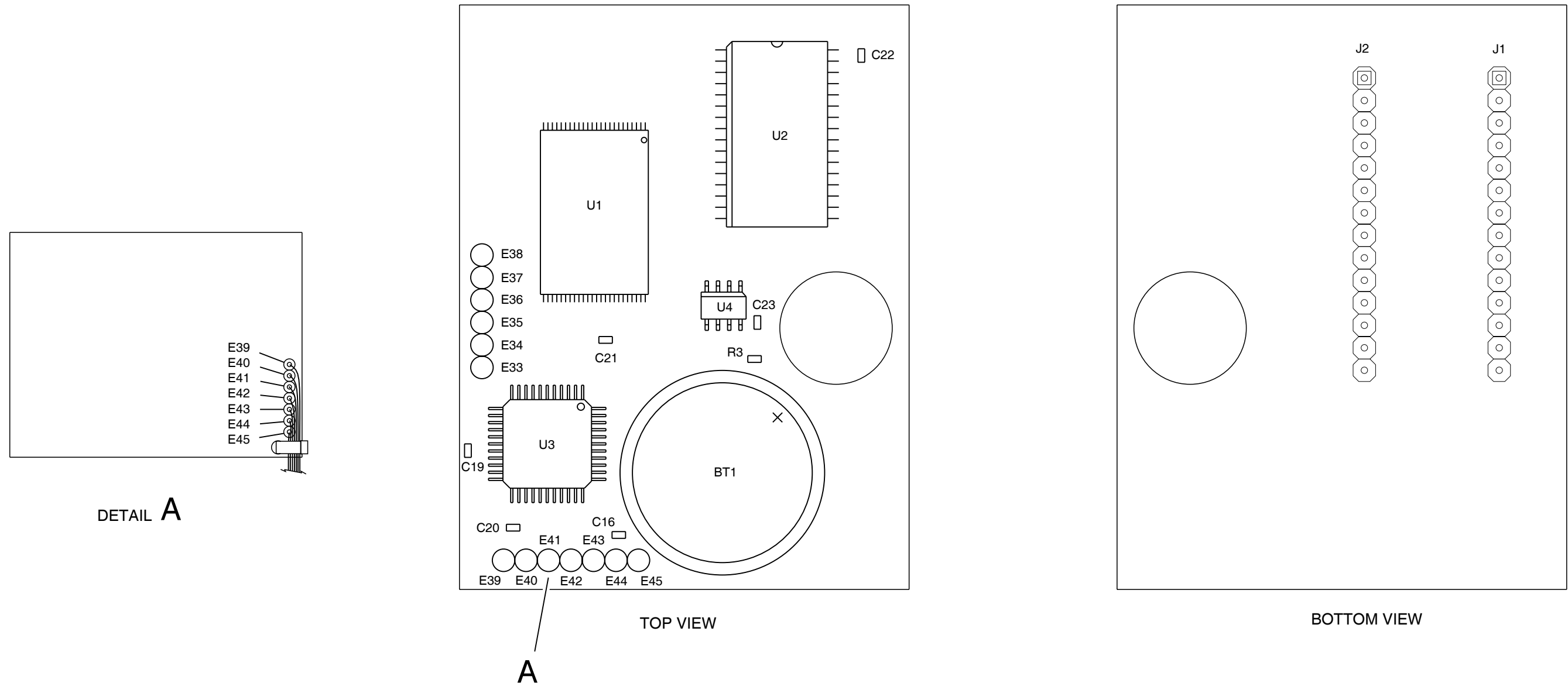
1. ALL REFERENCE NUMBERS CARRY AN AS DESIGNATOR SERIES. THIS SCHEMATIC SERIES:
7010-8132-800 27000 (e.g., R1 IS R27001)
2. ALL RESISTORS ARE 1/8 W, 1% TOLERANCE
3. ALL RESISTANCE IS EXPRESSED IN OHMS
4. ALL CAPACITANCE IS EXPRESSED IN MICR
5. ALL INDUCTANCE IS EXPRESSED IN MICR
6. NOT USED
7. NOT USED
8. COMPONENTS NOT INSTALLED.



(REV A)

Front Panel Pulse PC Board Assembly Circuit Schematic
(0000-8135-800-B)

Front Panel Pulse PC Board Assembly
(Sheet 10 of 12)
Figure 36



Pulse Memory PC Board Assembly
(7010-8133-600-D)

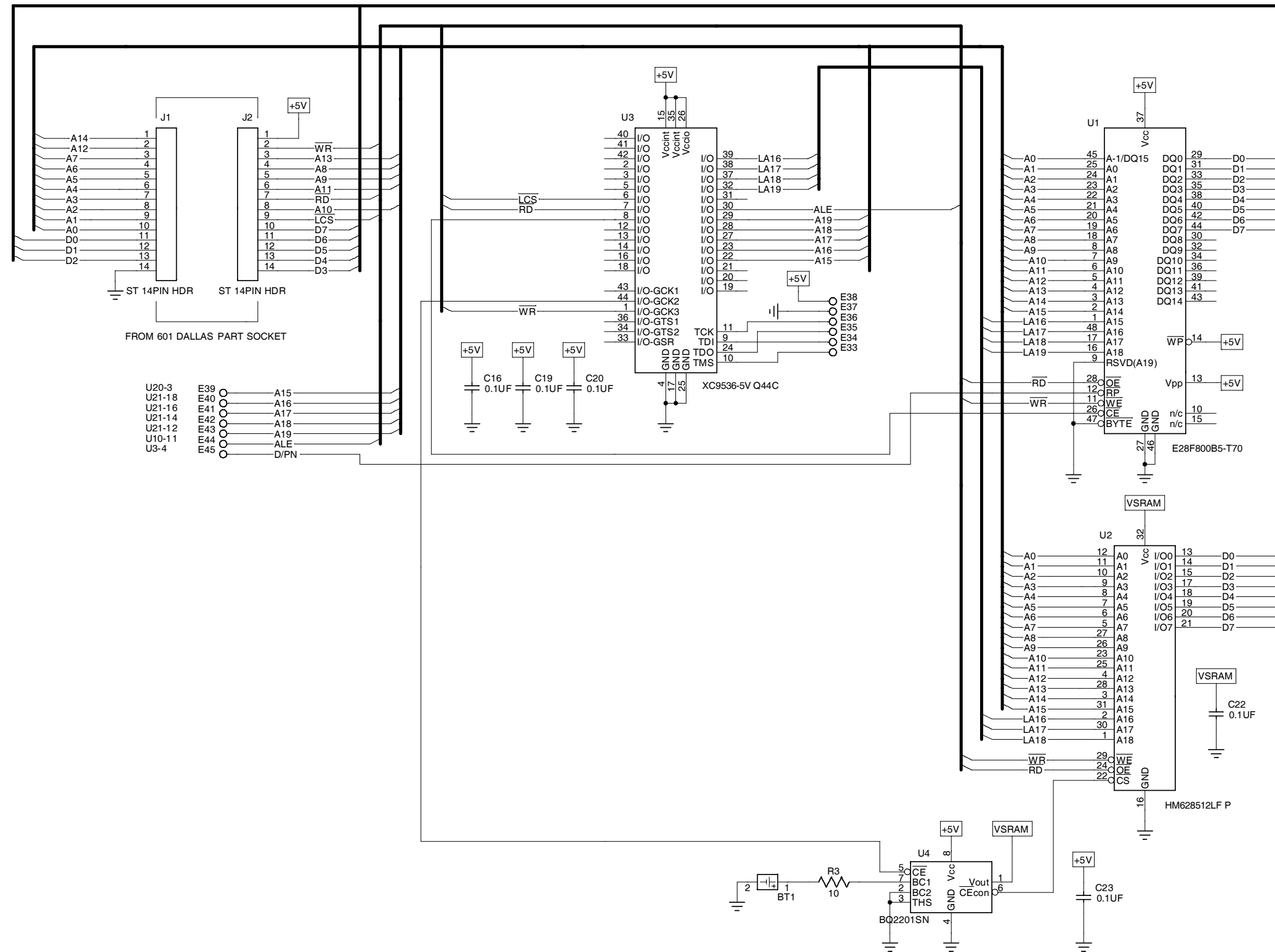
Front Panel Pulse PC Board Assembly (Sheet 11 of 12)
Figure 36



CAUTION:
CONTAINS PARTS AND ASSEMBLY
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (ESD)

NOTES:
(UNLESS OTHERWISE SPECIFIED)

1. ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES. REFER TO SYSTEM INTERCONNECT
2. ALL RESISTORS ARE 1/8 W, 1% TOLERANCE.
3. ALL RESISTANCE IS EXPRESSED IN OHMS.
4. ALL CAPACITANCE IS EXPRESSED IN MICROFARADS.
5. ALL INDUCTANCE IS EXPRESSED IN MICROHENRIES.
6. COMPONENTS NOT INSTALLED.

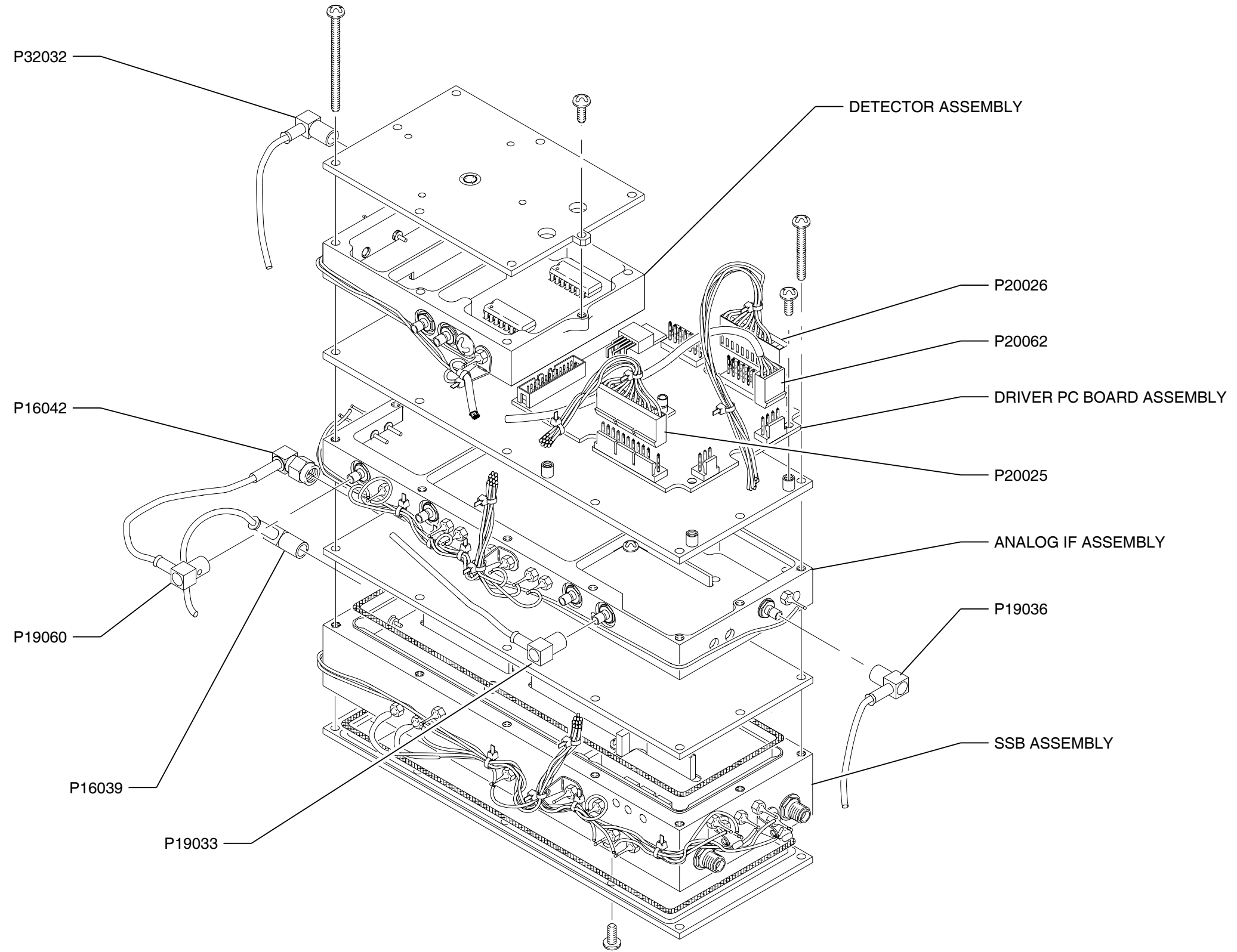


FROM 601 DALLAS PART SOCKET

| | | | |
|--------|-----|---|------|
| U20-3 | E39 | O | A15 |
| U21-18 | E40 | O | A16 |
| U21-16 | E41 | O | A17 |
| U21-14 | E42 | O | A18 |
| U21-12 | E43 | O | A19 |
| U10-11 | E44 | O | ALE |
| U3-4 | E45 | O | D/PN |

Pulse Memory PC Board Assembly Circuit Schematic
(0000-8133-600-D)

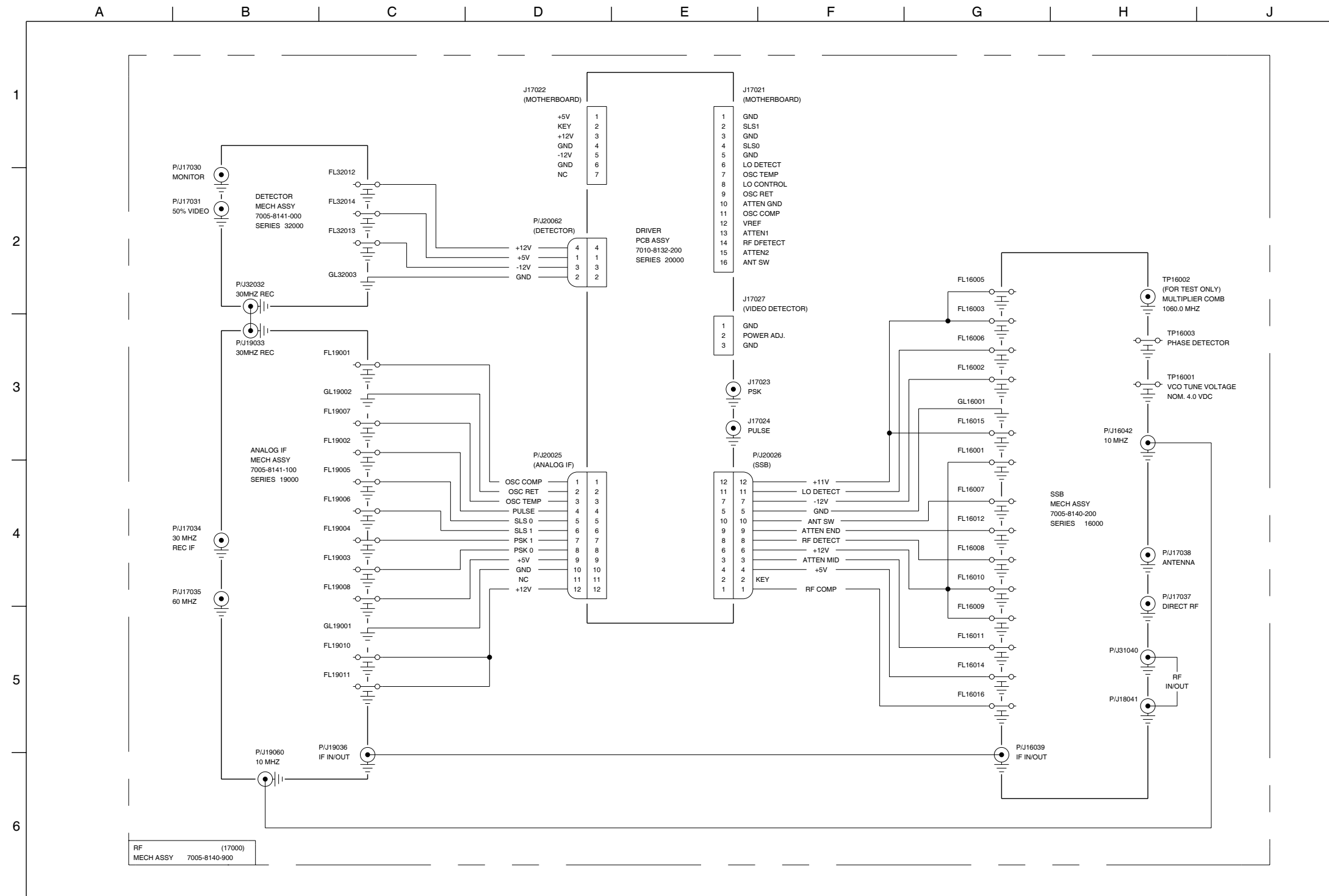
081336-D
Front Panel Pulse PC Board Assembly
(Sheet 12 of 12)
Figure 36



RF Assembly
(7005-8140-400-B)

RF Assembly (Sheet 1 of 19)
Figure 37

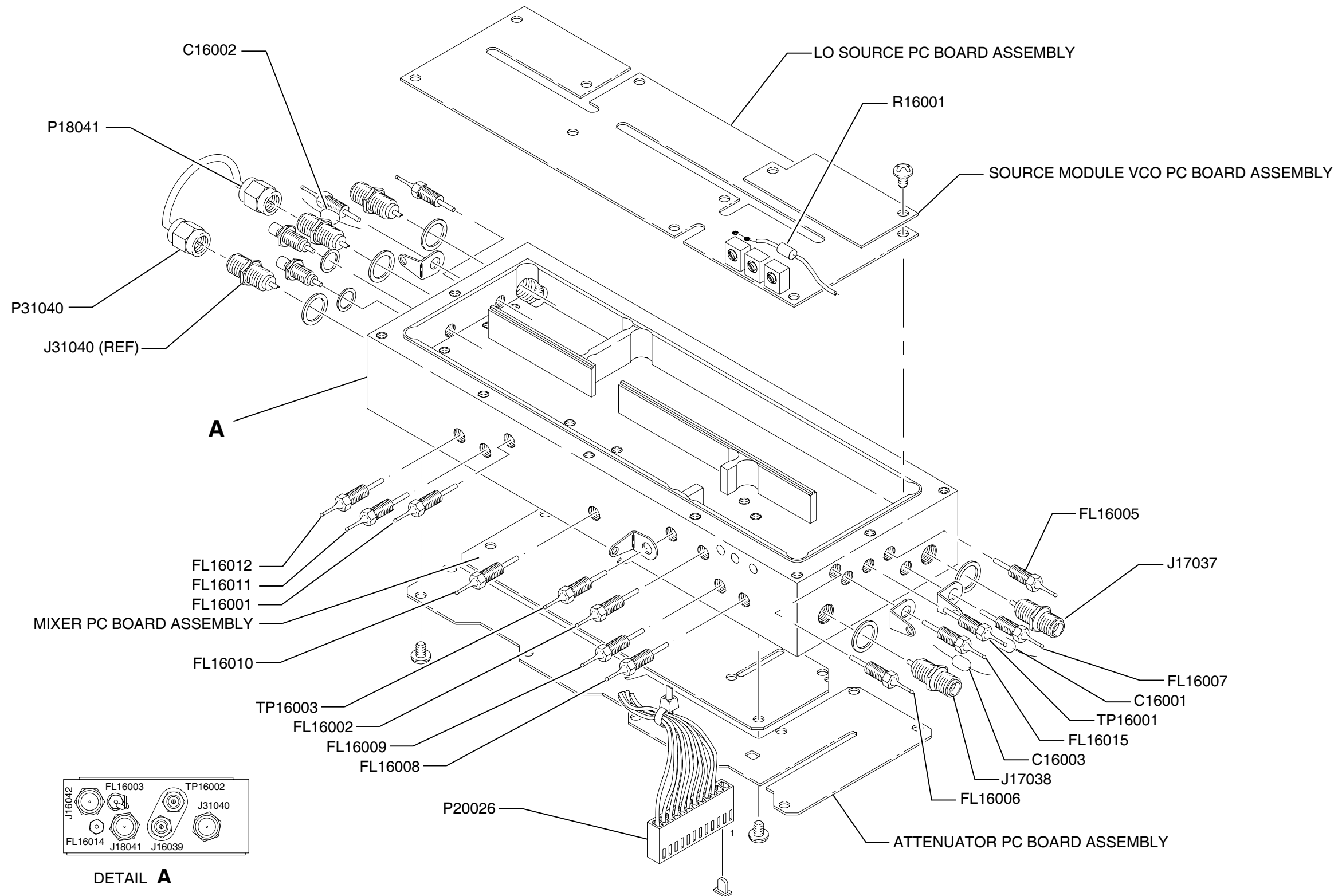
8144100M



8140900I

RF Assembly Interconnect Diagram
(0000-8140-900-A)

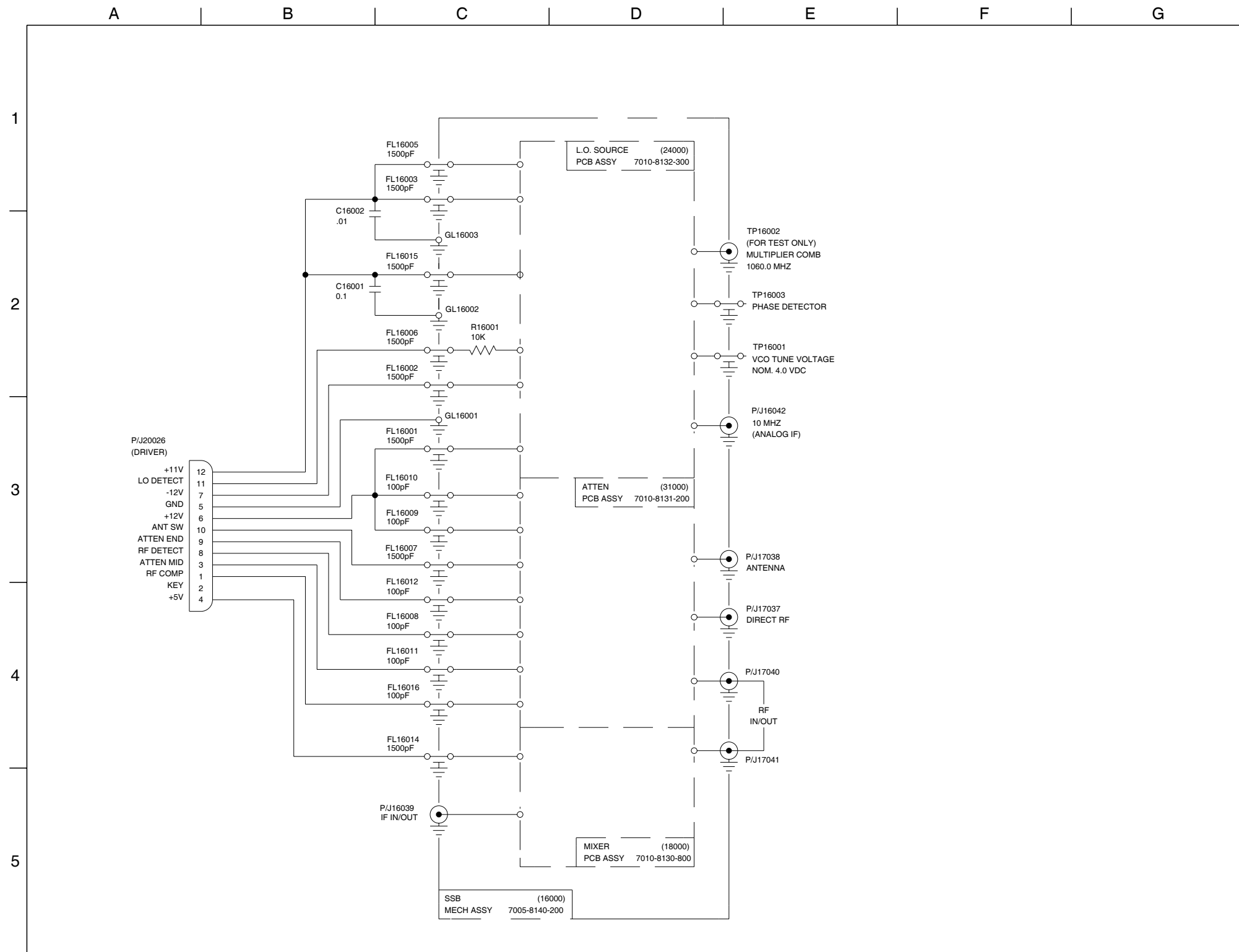
RF Assembly (Sheet 2 of 19)
Figure 37



SSB Assembly
7005-8140-700-F1, F2)

RF Assembly (Sheet 3 of 19)
Figure 37

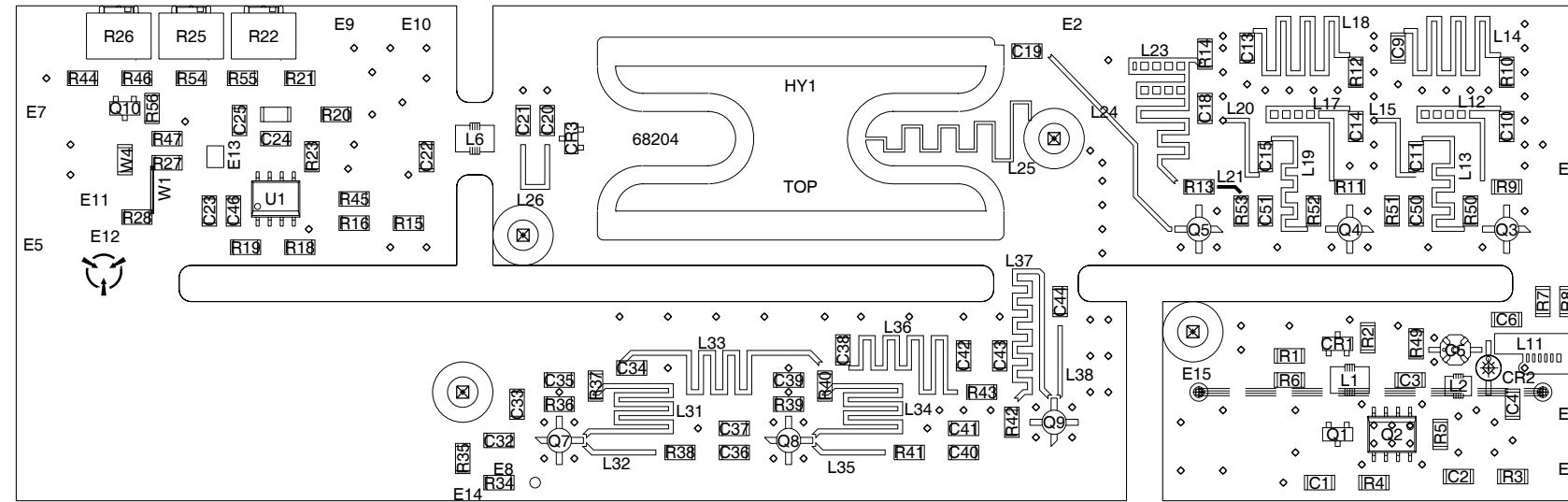
8140200M



81402001

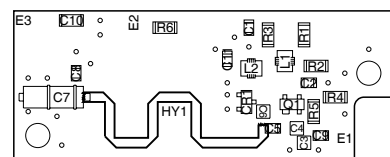
SSB Interconnect Diagram
(0000-8140-200-B1)

RF Assembly (Sheet 4 of 19)
Figure 37



81006-2

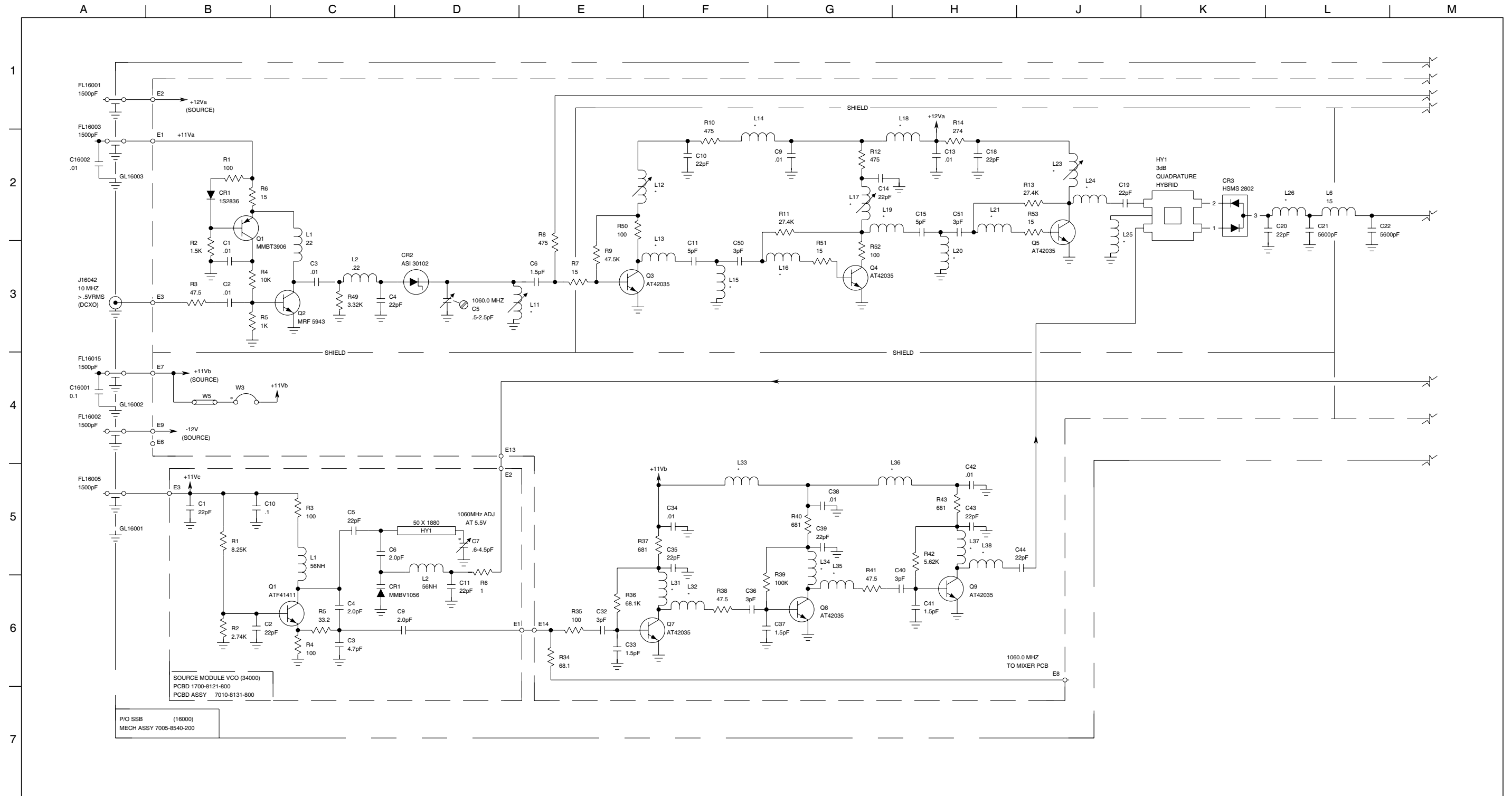
LO Source PC Board Assembly
(7010-8132-300-E)



81007-2

Source Module VCO PC Board Assembly
(7010-8131-800-E)

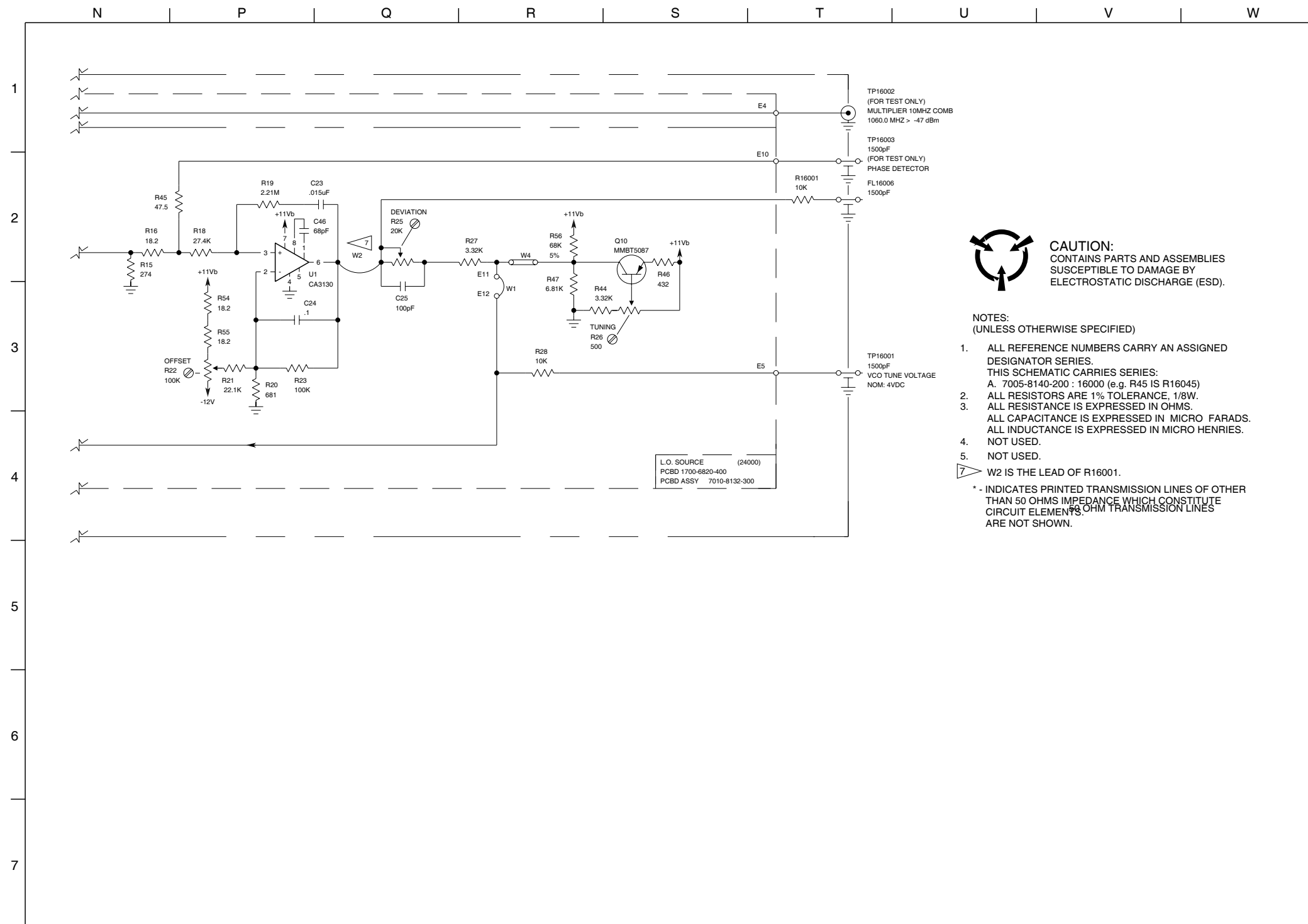
RF Assembly (Sheet 5 of 19)
Figure 37



LO Source & Source Module VCO PC Board Assemblies Circuit Schematic
(0000-8132-300-C)

RF Assembly (Sheet 6 of 19)
Figure 37

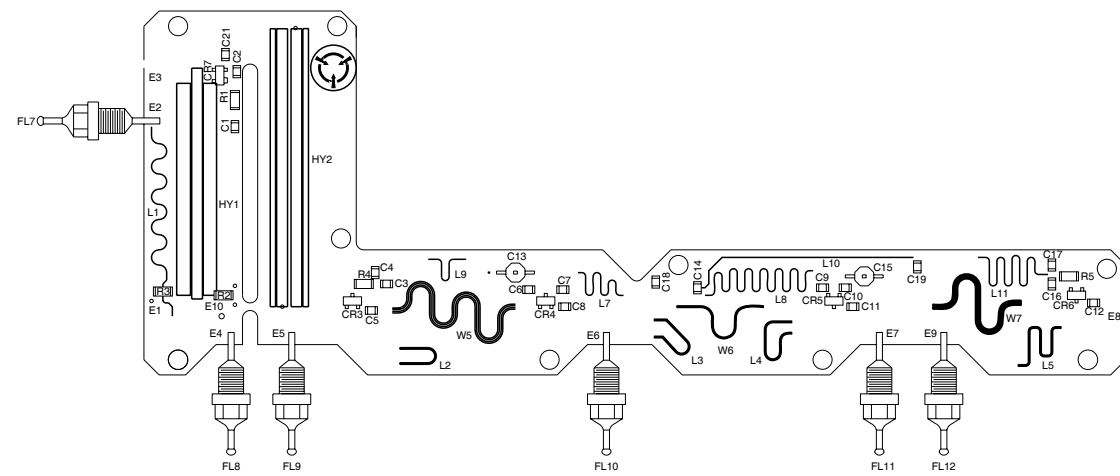
8132301S



8132302S

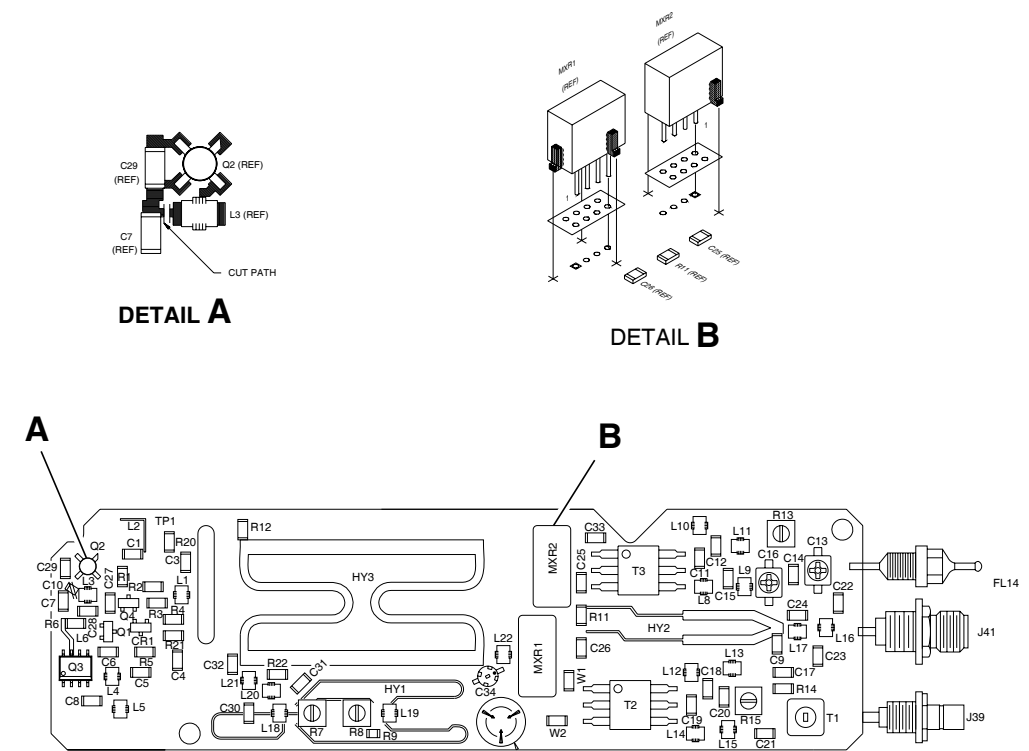
LO Source & Source Module VCO PC Board Assemblies Circuit Schematic
(0000-8132-300-C)

RF Assembly (Sheet 7 of 19)
Figure 37



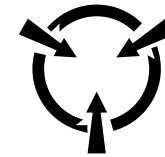
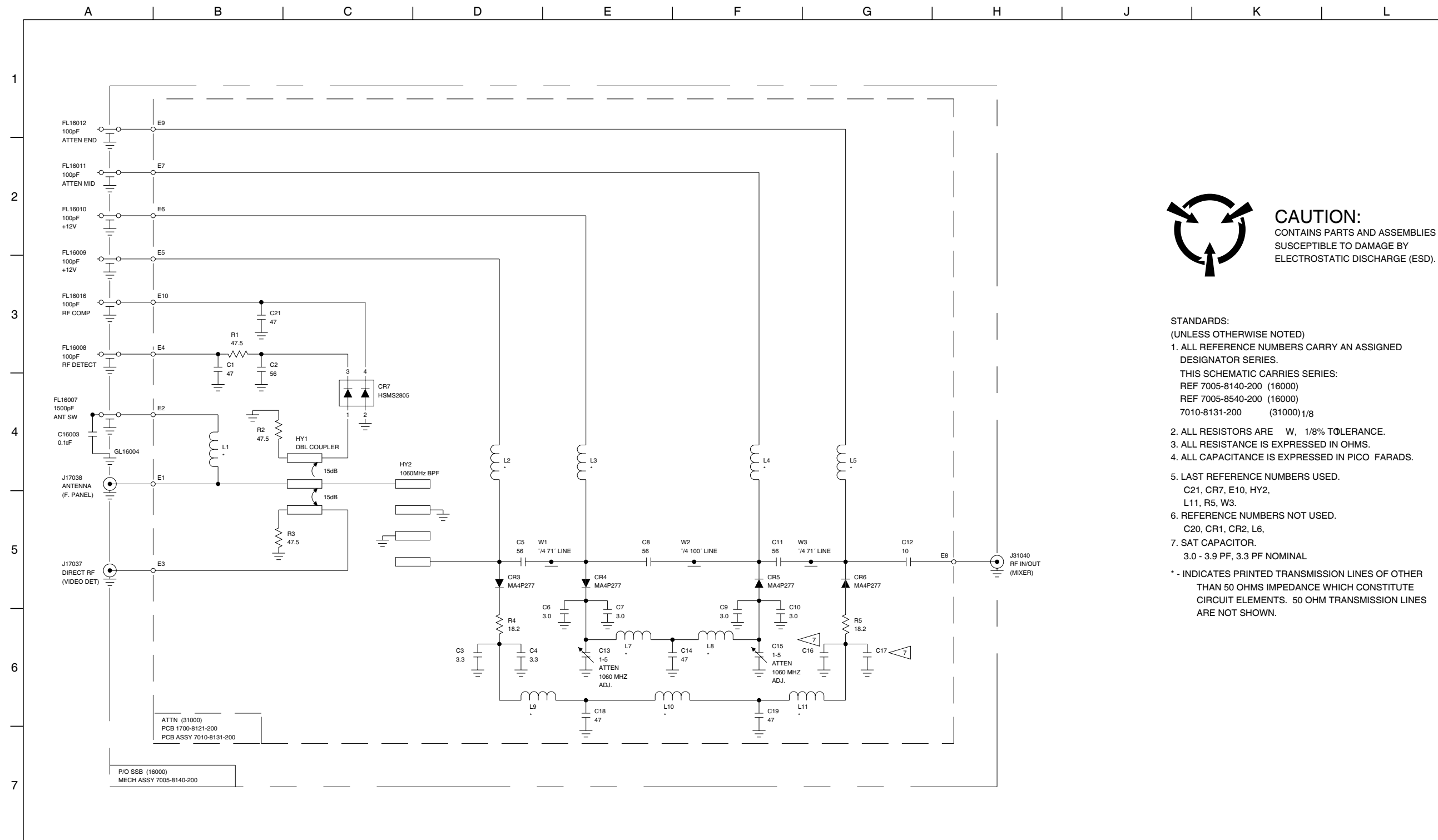
Attenuator PC Board Assembly
(7010-8131-200-C)

81008-2



Mixer PC Board Assembly
(7010-8130-800-F1)

8130800P



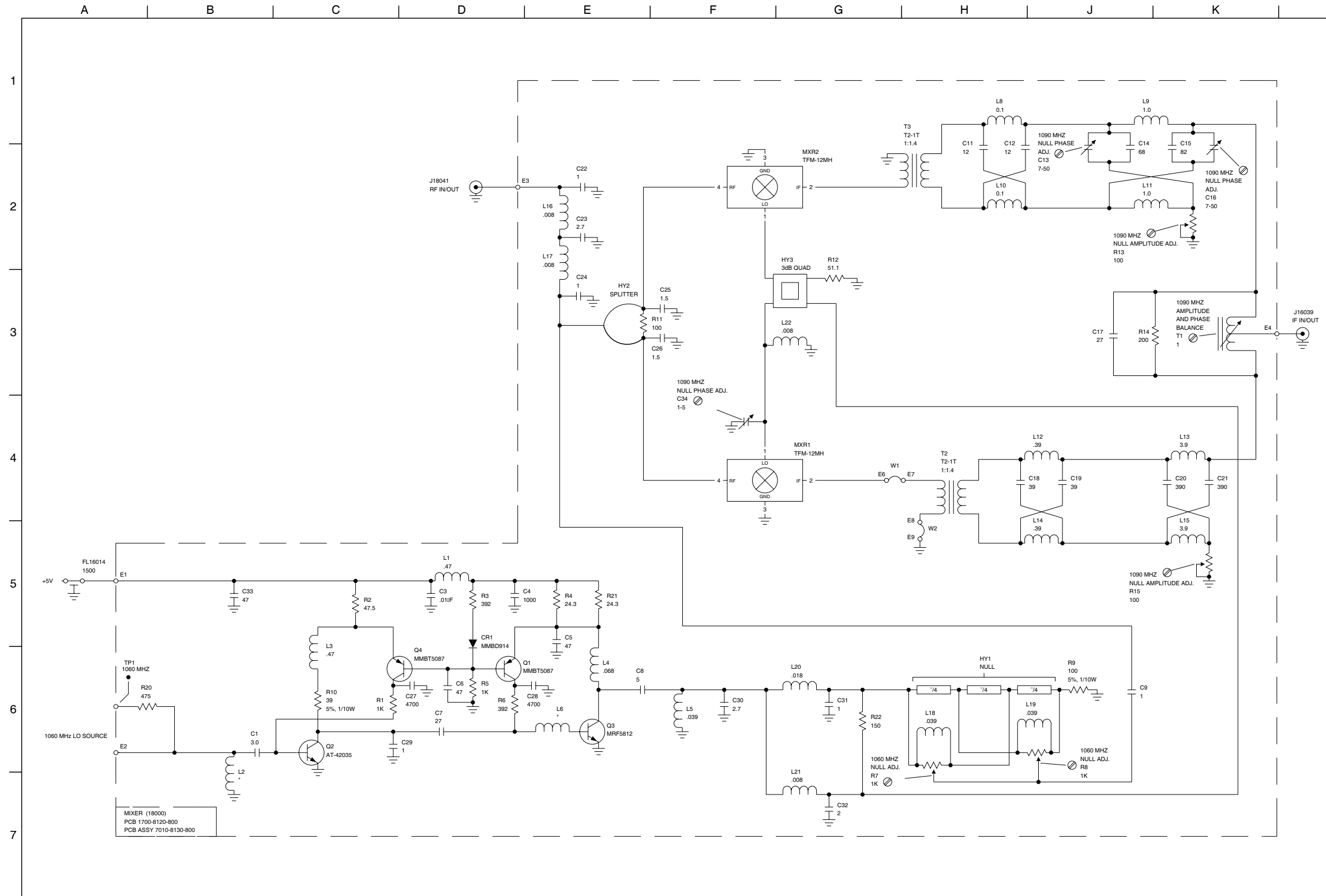
CAUTION:
CONTAINS PARTS AND ASSEMBLIES
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (ESD).

- STANDARDS:
(UNLESS OTHERWISE NOTED)
1. ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES.
THIS SCHEMATIC CARRIES SERIES:
REF 7005-8140-200 (16000)
REF 7005-8540-200 (16000)
7010-8131-200 (31000)1/8
 2. ALL RESISTORS ARE W, 1/8% TOLERANCE.
 3. ALL RESISTANCE IS EXPRESSED IN OHMS.
 4. ALL CAPACITANCE IS EXPRESSED IN PICO FARADS.
 5. LAST REFERENCE NUMBERS USED.
C21, CR7, E10, HY2,
L11, R5, W3.
 6. REFERENCE NUMBERS NOT USED.
C20, CR1, CR2, L6,
 7. SAT CAPACITOR.
3.0 - 3.9 PF, 3.3 PF NOMINAL
- * - INDICATES PRINTED TRANSMISSION LINES OF OTHER THAN 50 OHMS IMPEDANCE WHICH CONSTITUTE CIRCUIT ELEMENTS. 50 OHM TRANSMISSION LINES ARE NOT SHOWN.

Attenuator PC Board Assembly Circuit Schematic
(0000-8131-200-C)

RF Assembly (Sheet 9 of 19)
Figure 37

81009-2



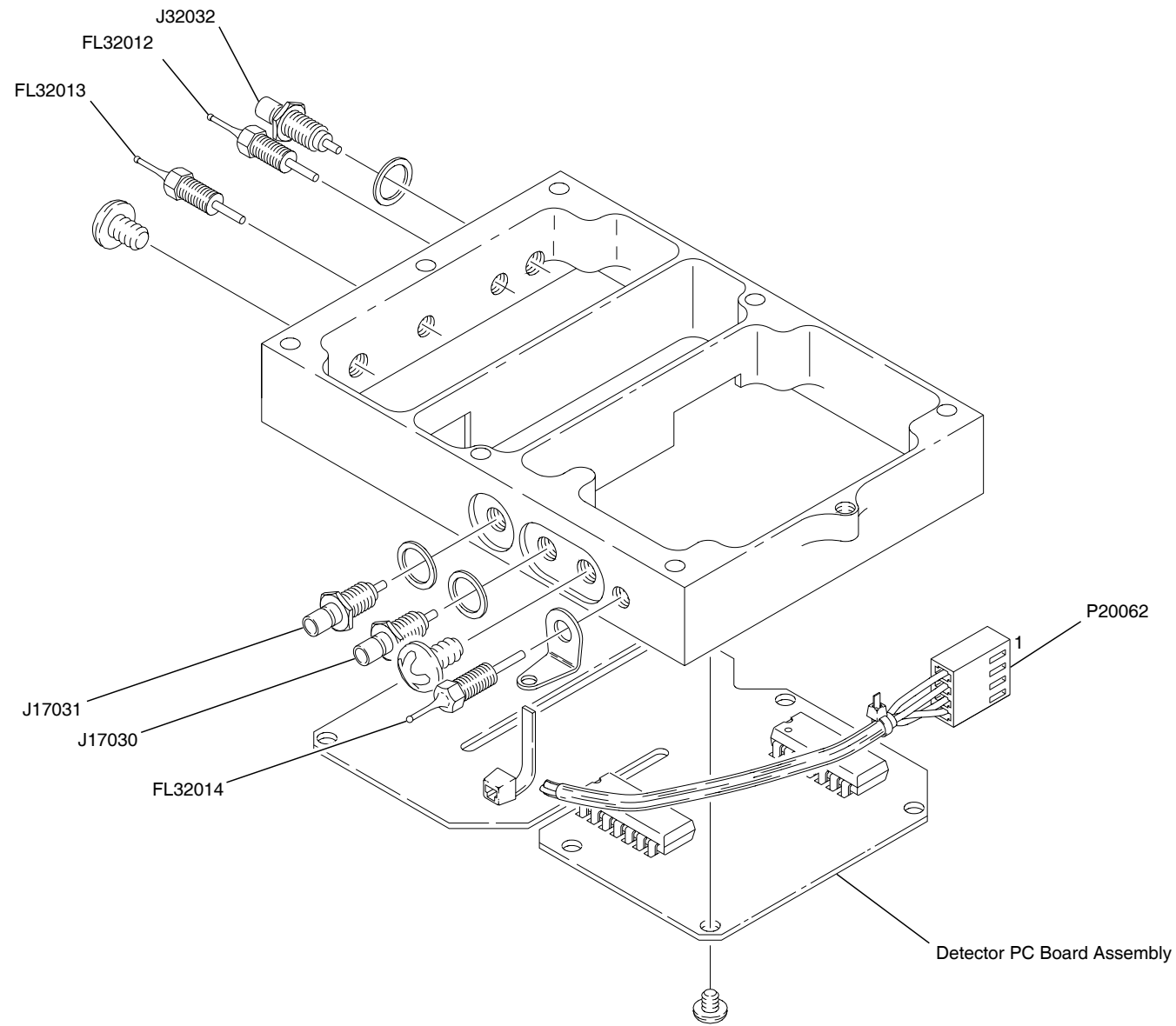
CAUTION:
CONTAINS PARTS AND ASSEMBLIES
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (ESD).

- NOTES:
(UNLESS OTHERWISE SPECIFIED)
1. ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES. THIS ASSEMBLY CARRIES SERIES:
A. 7010-8130-800 SERIES 18000 (e.g. C1 IS 1J8001)
 2. ALL RESISTORS ARE 1/8W, 1% TOLERANCE.
 3. ALL RESISTANCE IS EXPRESSED IN OHMS.
 4. ALL CAPACITANCE IS EXPRESSED IN PICOFARADS.
 5. ALL INDUCTANCE IS EXPRESSED IN MICROHENRIES.

* - INDICATES TRANSMISSION LINES OF OTHER THAN 50 OHMS IMPEDANCE WHICH CONSTITUTE CIRCUIT ELEMENTS.

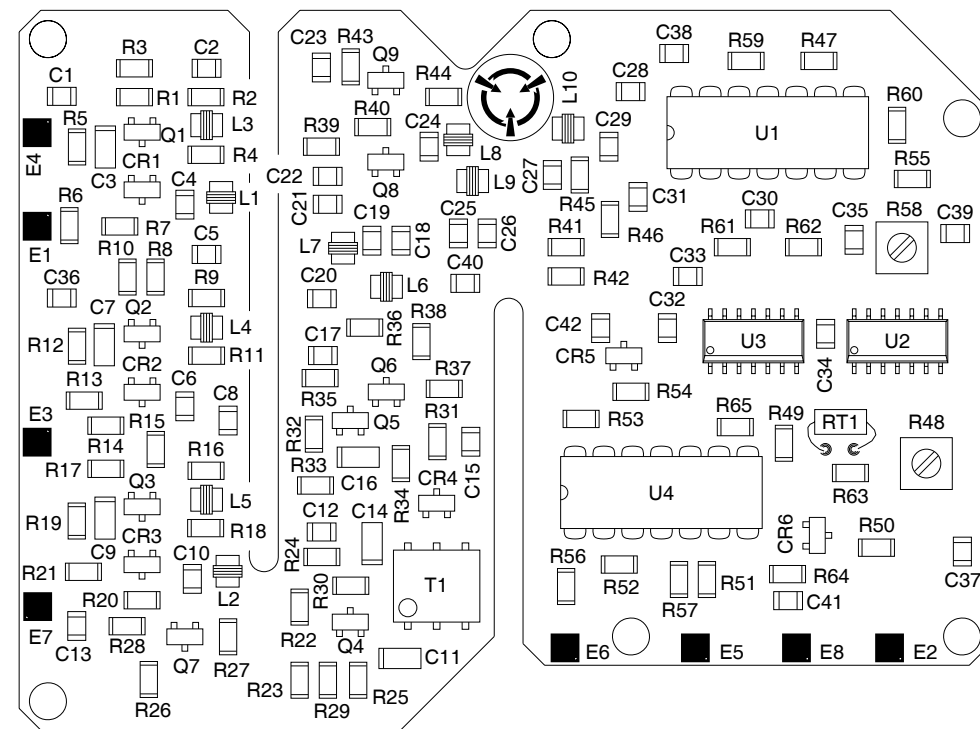
Mixer PC Board Assembly Circuit Schematic
(0000-8130-800-F1)

RF Assembly (Sheet 10 of 19)
Figure 37



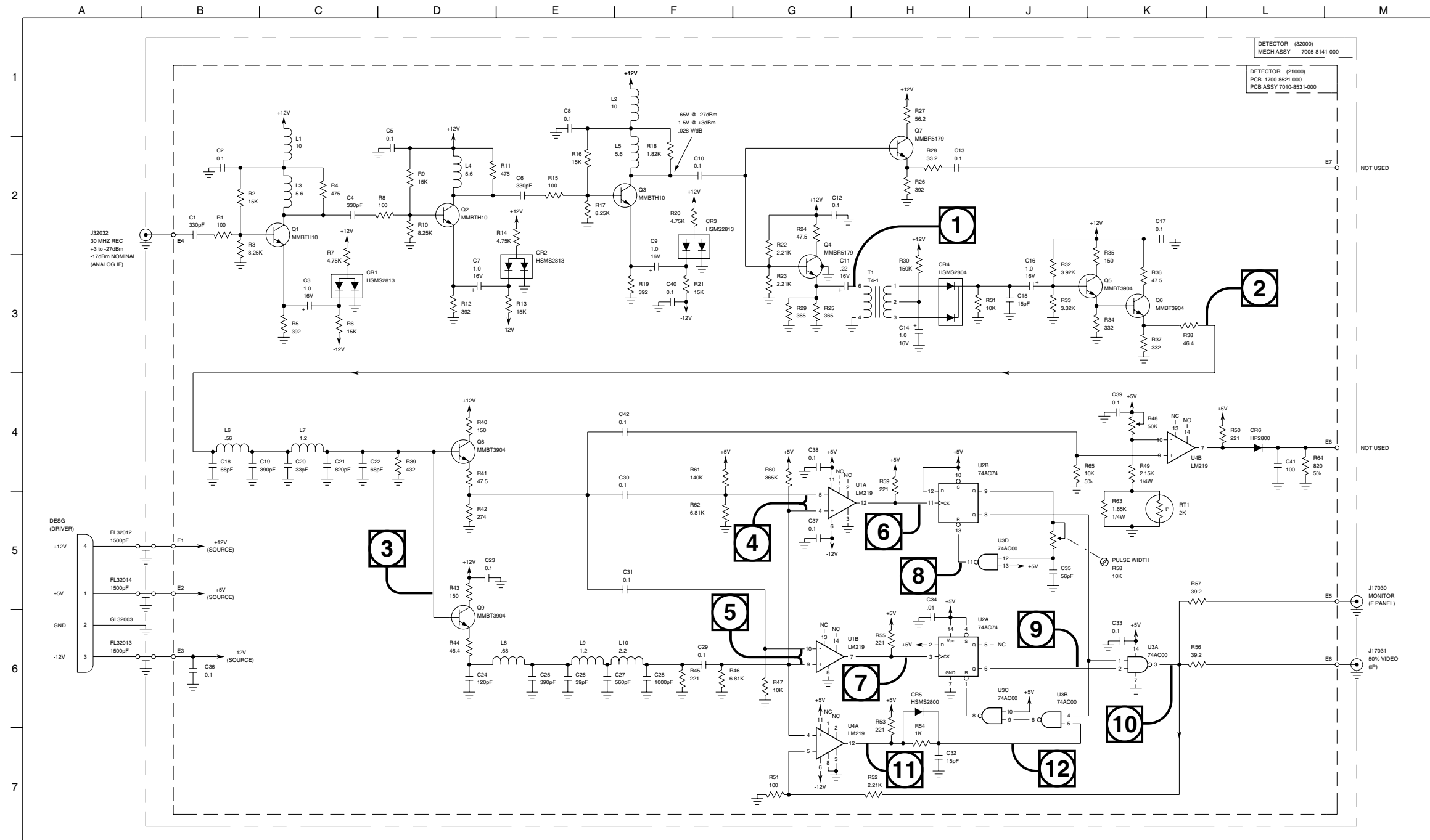
Detector Assembly
(7005-8141-000-C)

8141000M



Detector PC Board Assembly
(7010-8531-000-C3)

8531000P



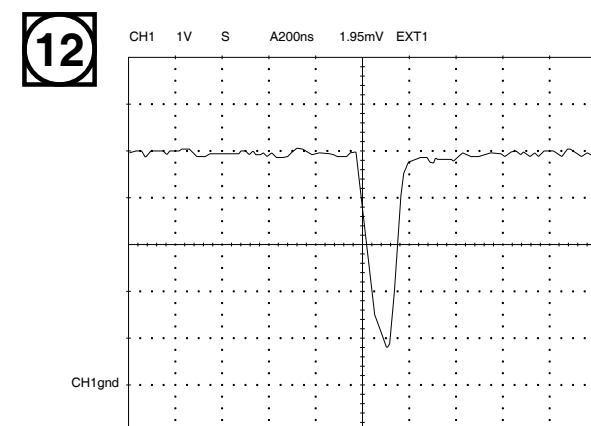
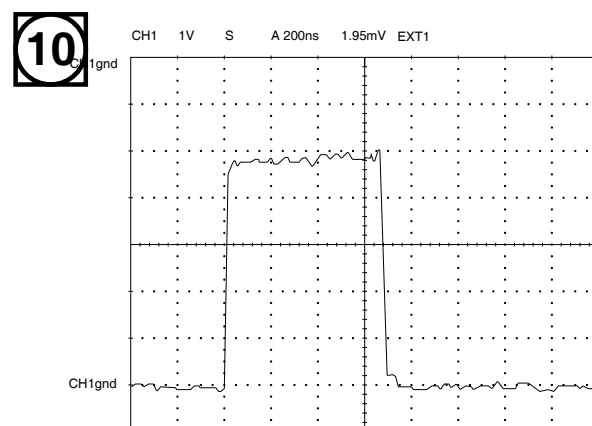
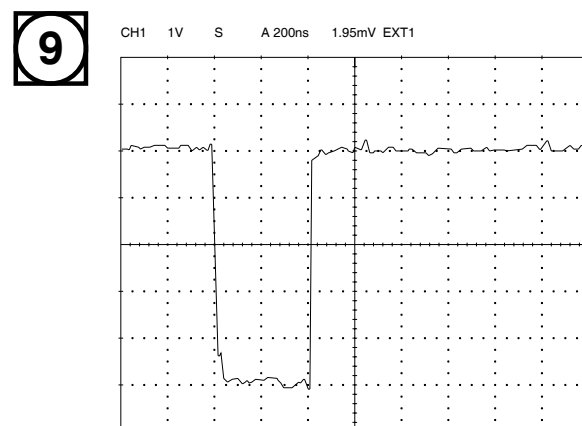
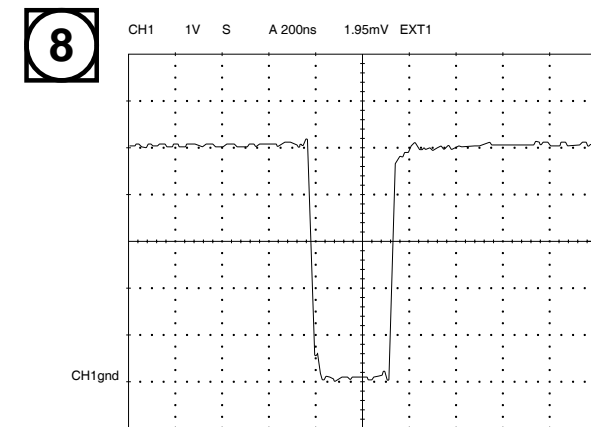
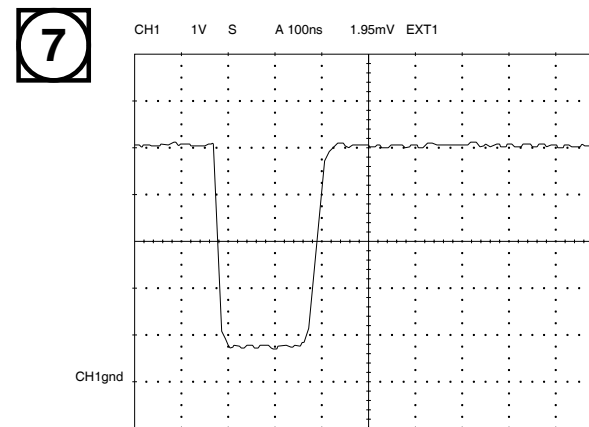
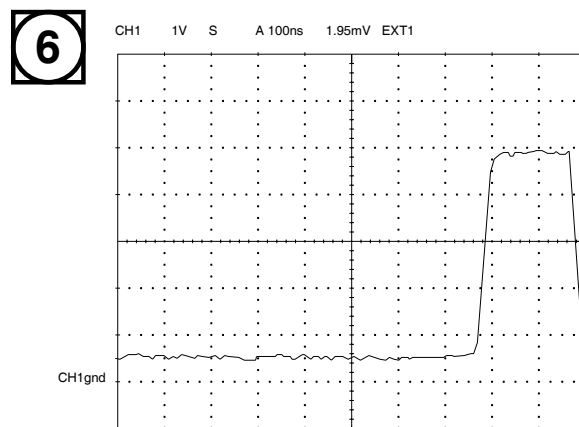
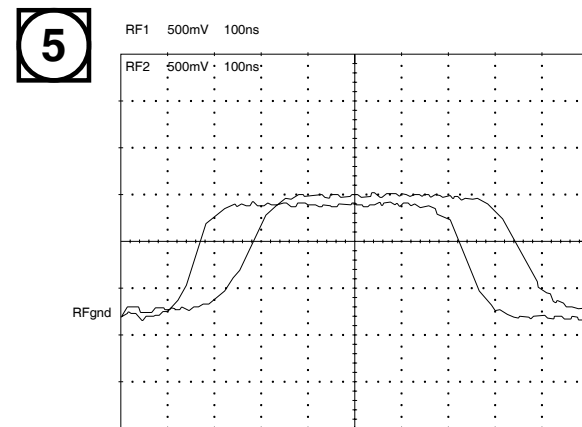
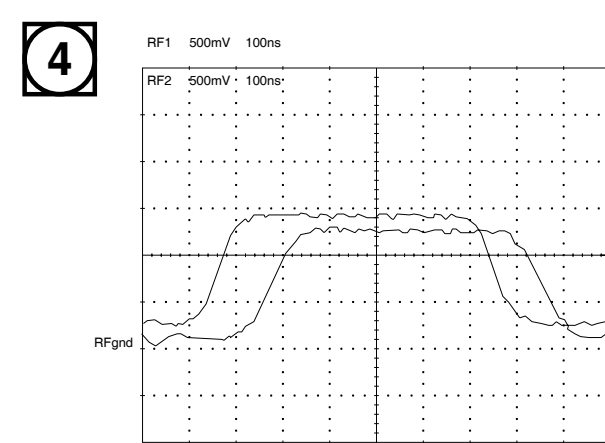
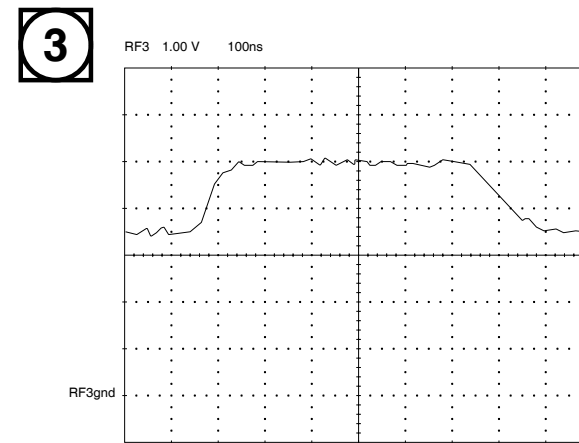
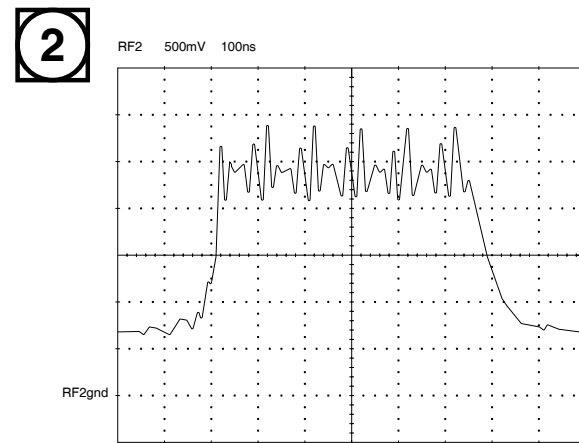
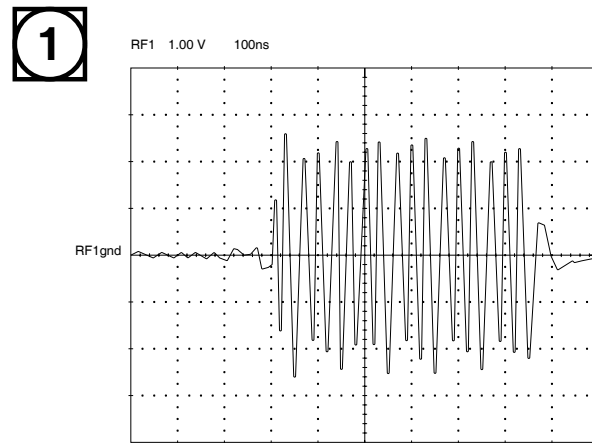
CAUTION:
CONTAINS PARTS AND ASSEMBLIES
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (ESD).

- NOTES:
(UNLESS OTHERWISE SPECIFIED)
1. ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES. THIS ASSEMBLY CARRIES SERIES:
A. 7010-8531-000 21000 (e.g. R1 IS R21001)
B. 7005-8141-000 32000 (e.g. FL12 IS FL32012)
ALL RESISTORS ARE 1/8W, 1% TOLERANCE.
 2. ALL RESISTORS ARE 1/8W, 1% TOLERANCE.
 3. ALL RESISTANCE IS EXPRESSED IN OHMS.
 4. ALL CAPACITANCE IS EXPRESSED IN MICROFARADS.
 5. ALL INDUCTANCE IS EXPRESSED IN MICROHENRYS.

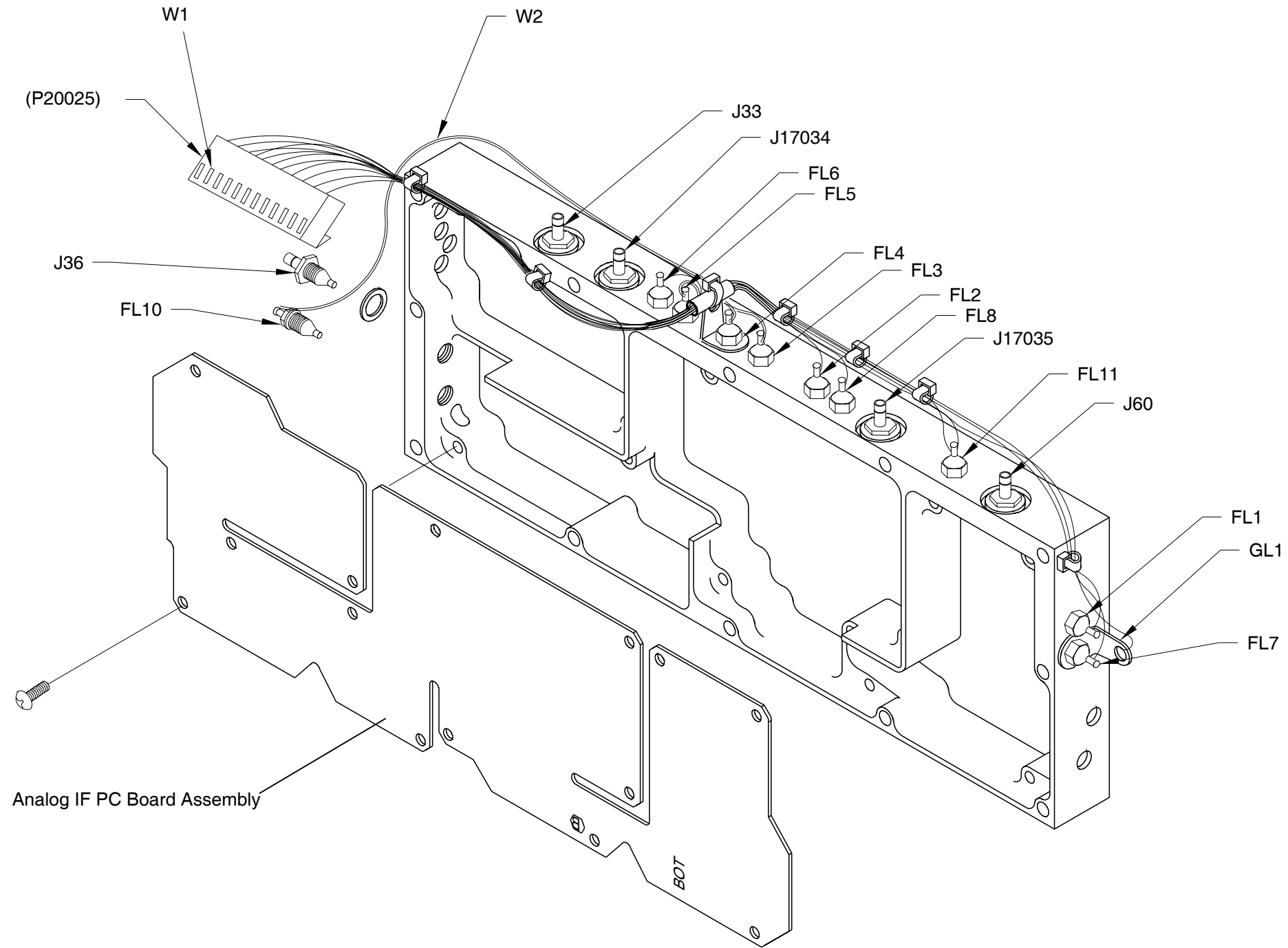
Detector Assembly Circuit Schematic
(0000-8531-000-C3)

RF Assembly (Sheet 12 of 19)
Figure 37

8141001S



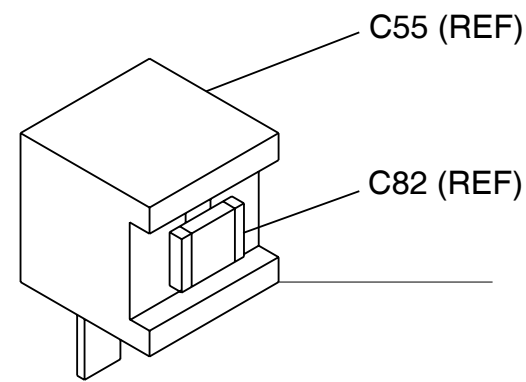
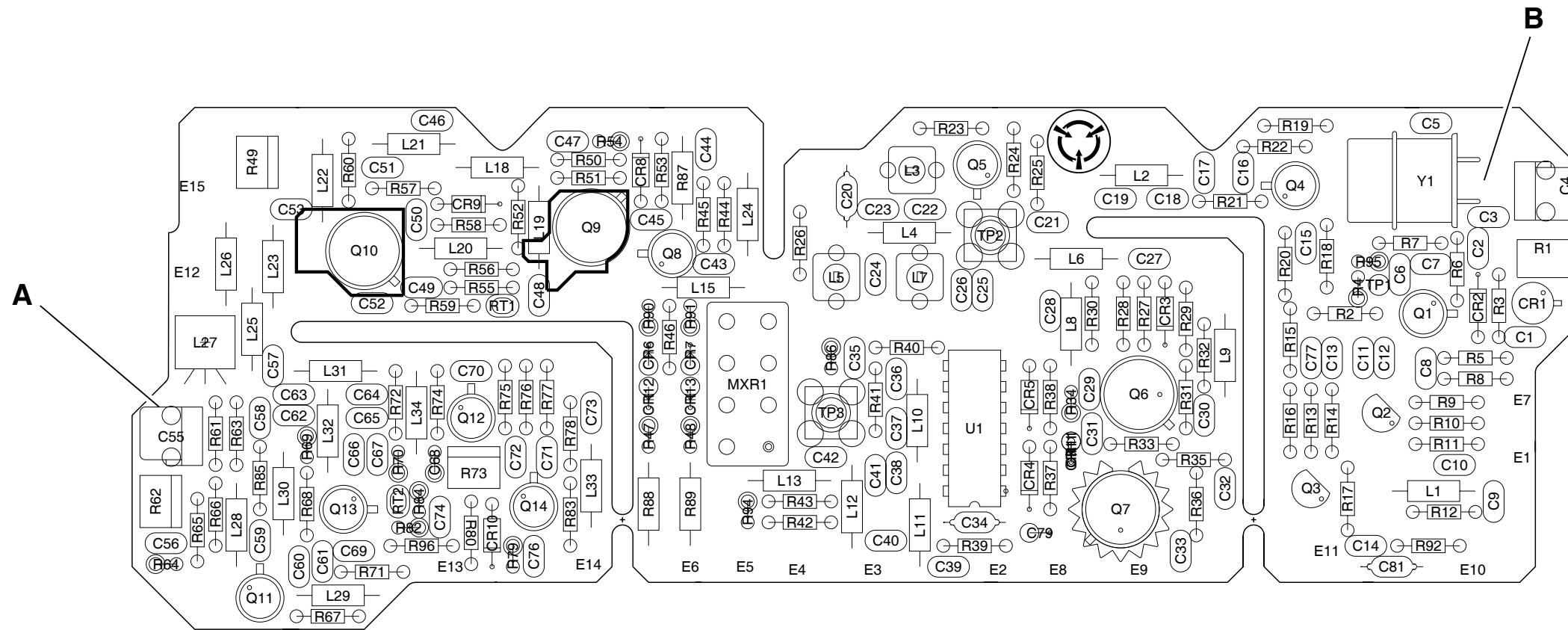
8141002S



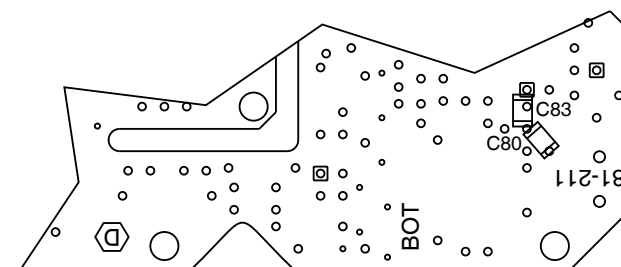
Analog IF Assembly
(7005-8141-100-F)

RF Assembly (Sheet 14 of 19)
Figure 37

81010-2



DETAIL **A**



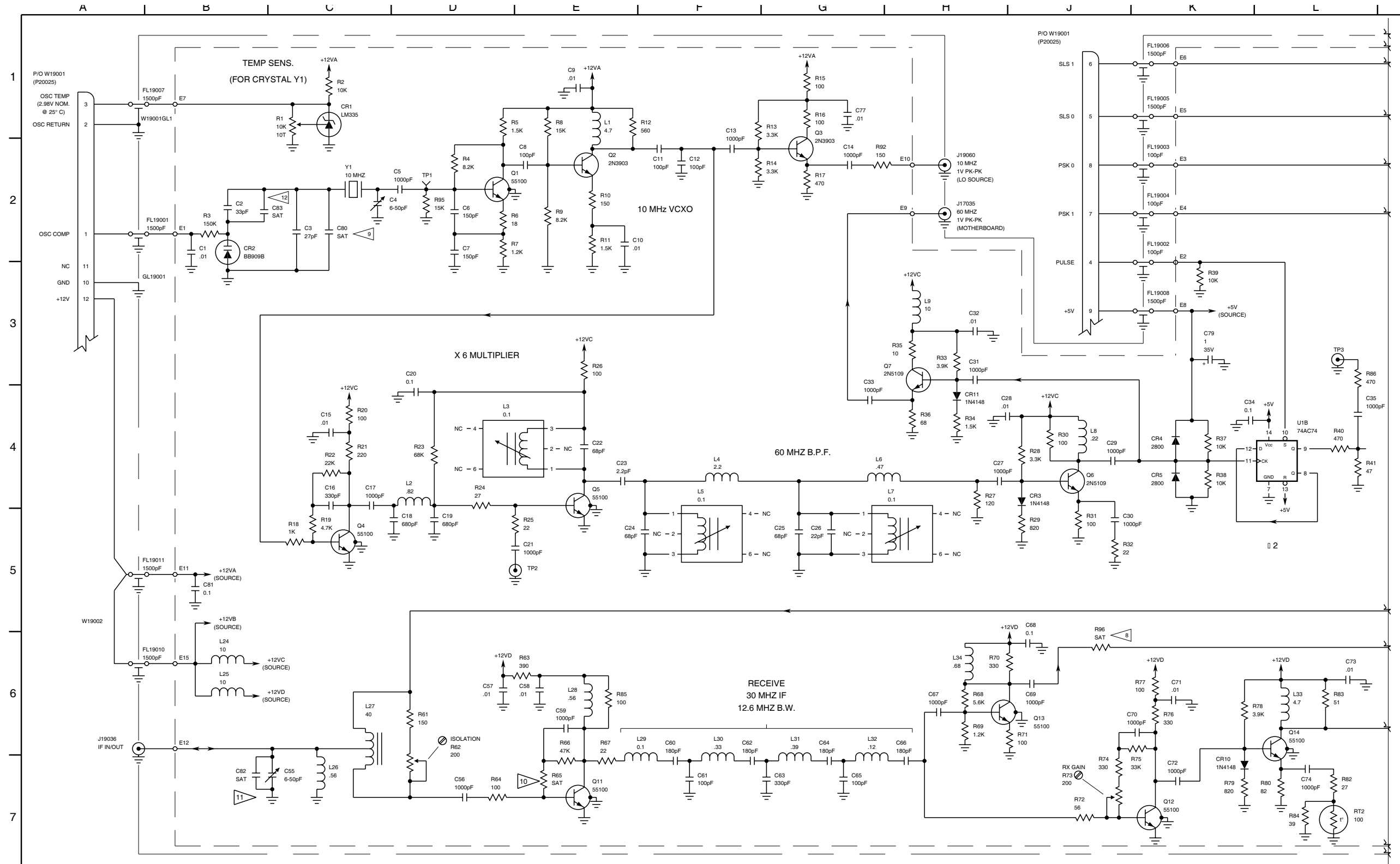
BOTTOM SIDE

DETAIL **B**

Analog IF PC Board Assembly
(7010-8131-100-F1)

RF Assembly (Sheet 15 of 19)
Figure 37

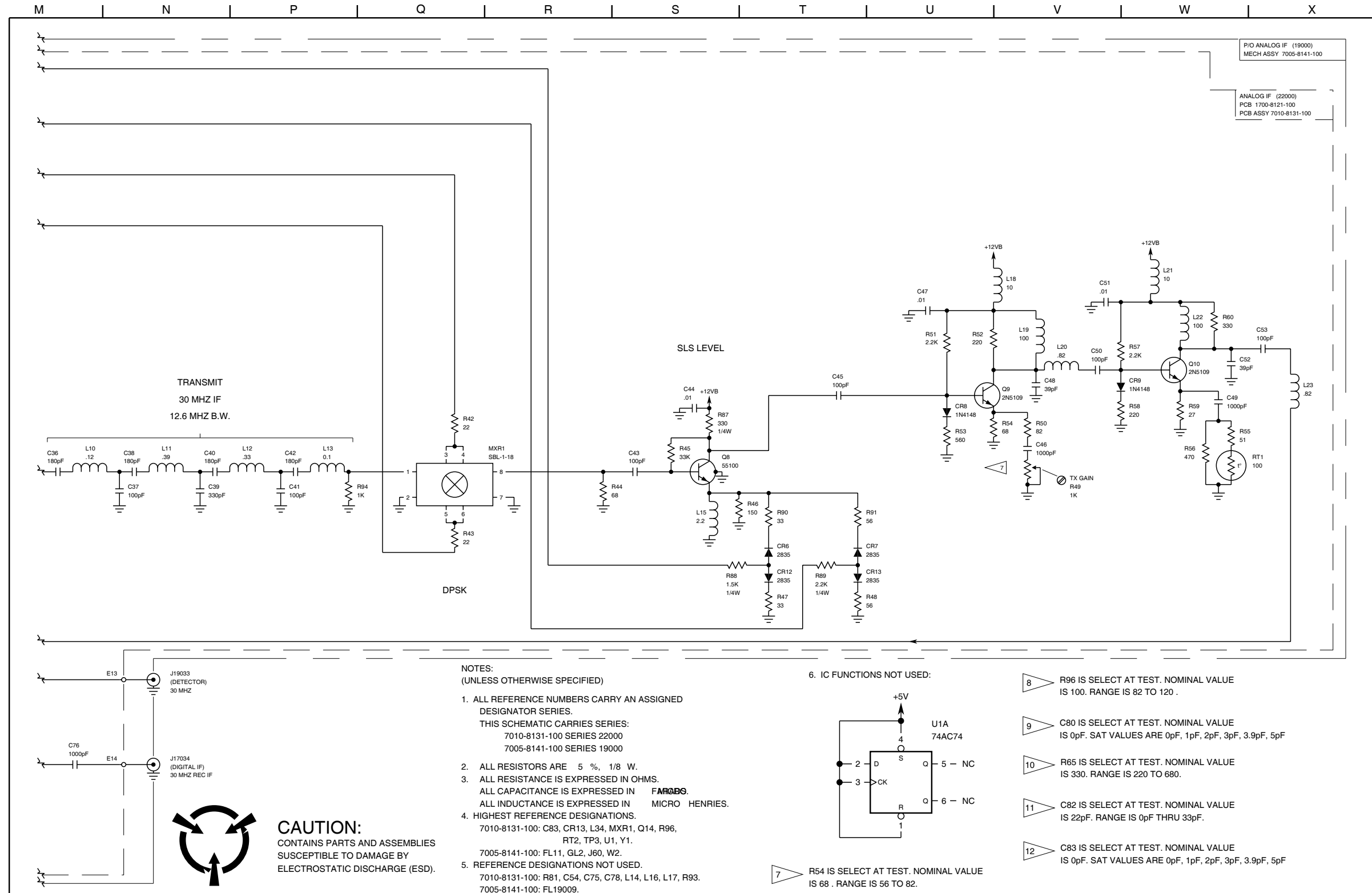
81011-2



Analog IF Assembly Circuit Schematic
(0000-8141-100-F2)

RF Assembly (Sheet 16 of 19)
Figure 37

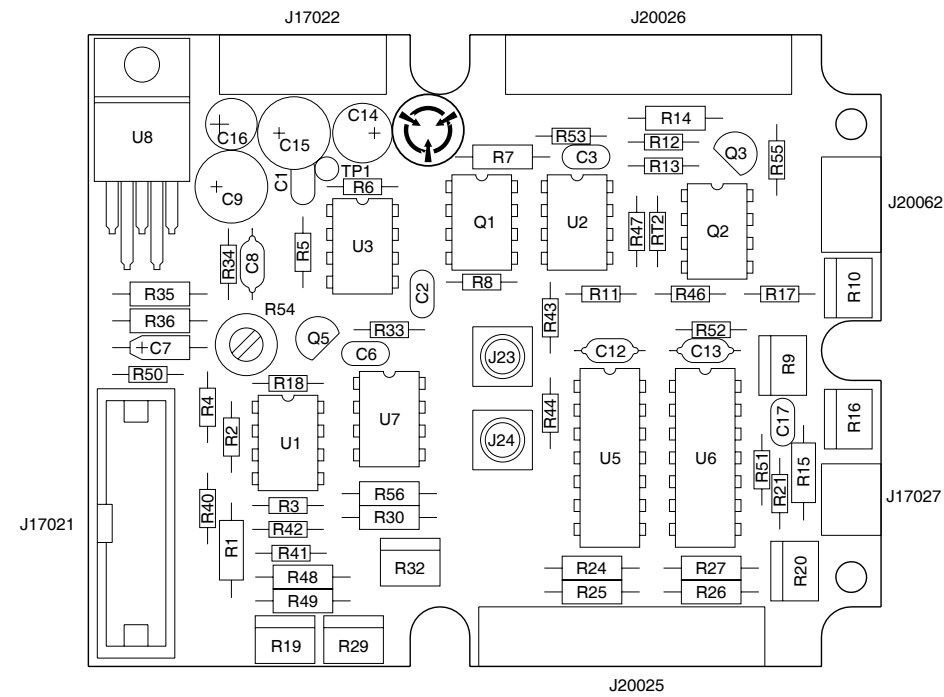
81012-2



81013-2

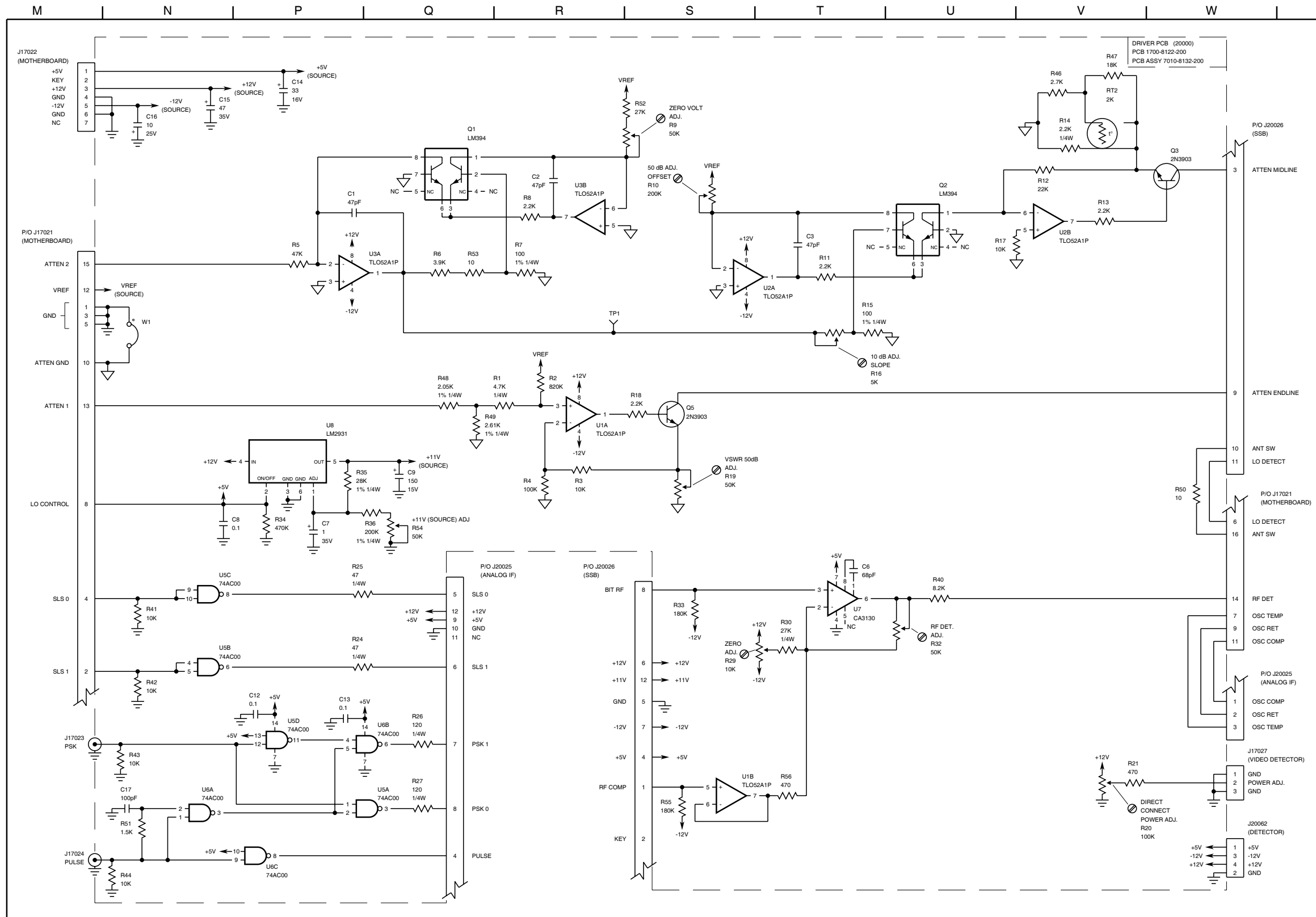
Analog IF Assembly Circuit Schematic
(0000-8141-100-D2)

RF Assembly (Sheet 17 of 19)
Figure 37



8132200P

Driver PC Board Assembly
(7010-8132-200-C)



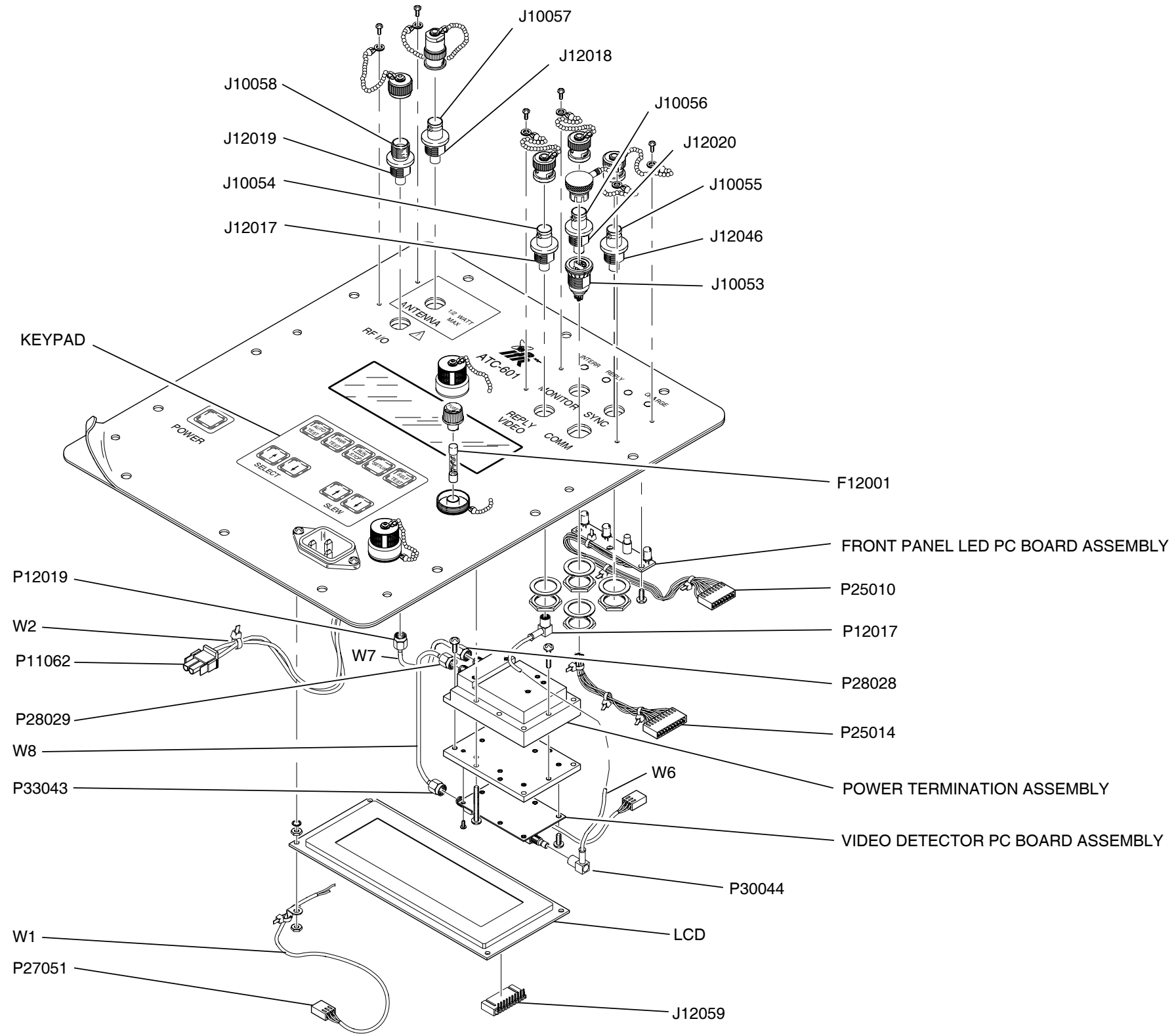
CAUTION:
CONTAINS PARTS AND ASSEMBLIES
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (ESD).

STANDARDS:
(UNLESS OTHERWISE NOTED)
1. ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES.
THIS SCHEMATIC CARRIES SERIES: 20000
2. ALL RESISTORS ARE W/1% TOLERANCE.
3. ALL RESISTANCE IS EXPRESSED IN OHMS. FARNBORO
4. ALL CAPACITANCE IS EXPRESSED IN MICRO HENRIES.
5. ALL INDUCTANCE IS EXPRESSED IN MICRO HENRIES.

Driver PC Board Assembly Circuit Schematic
(0000-8132-200-C)

RF Assembly (Sheet 19 of 19)
Figure 37

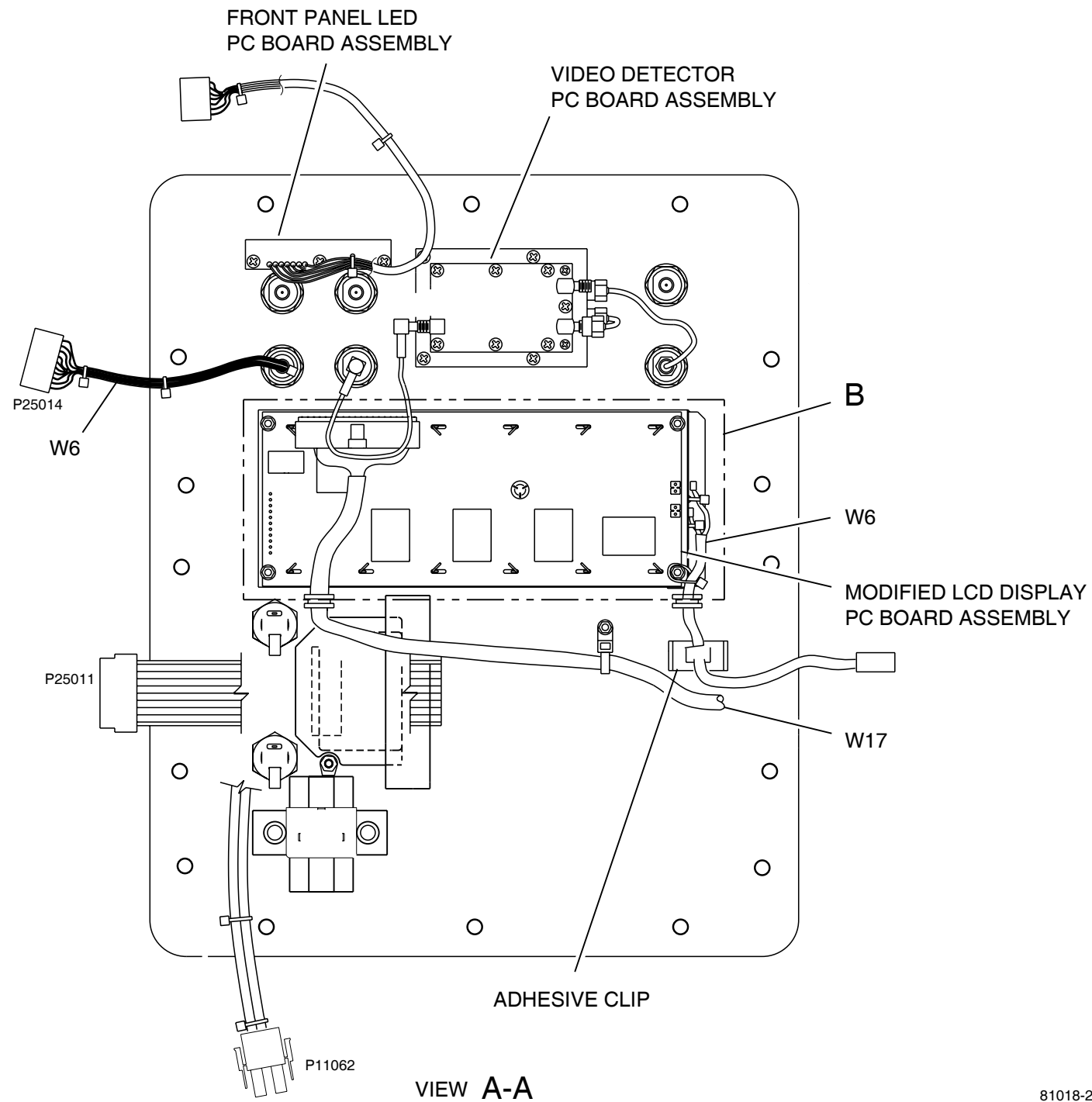
81015-2



Front Panel Assembly
(7005-8144-200-D) (7005-8142-900-A, B)

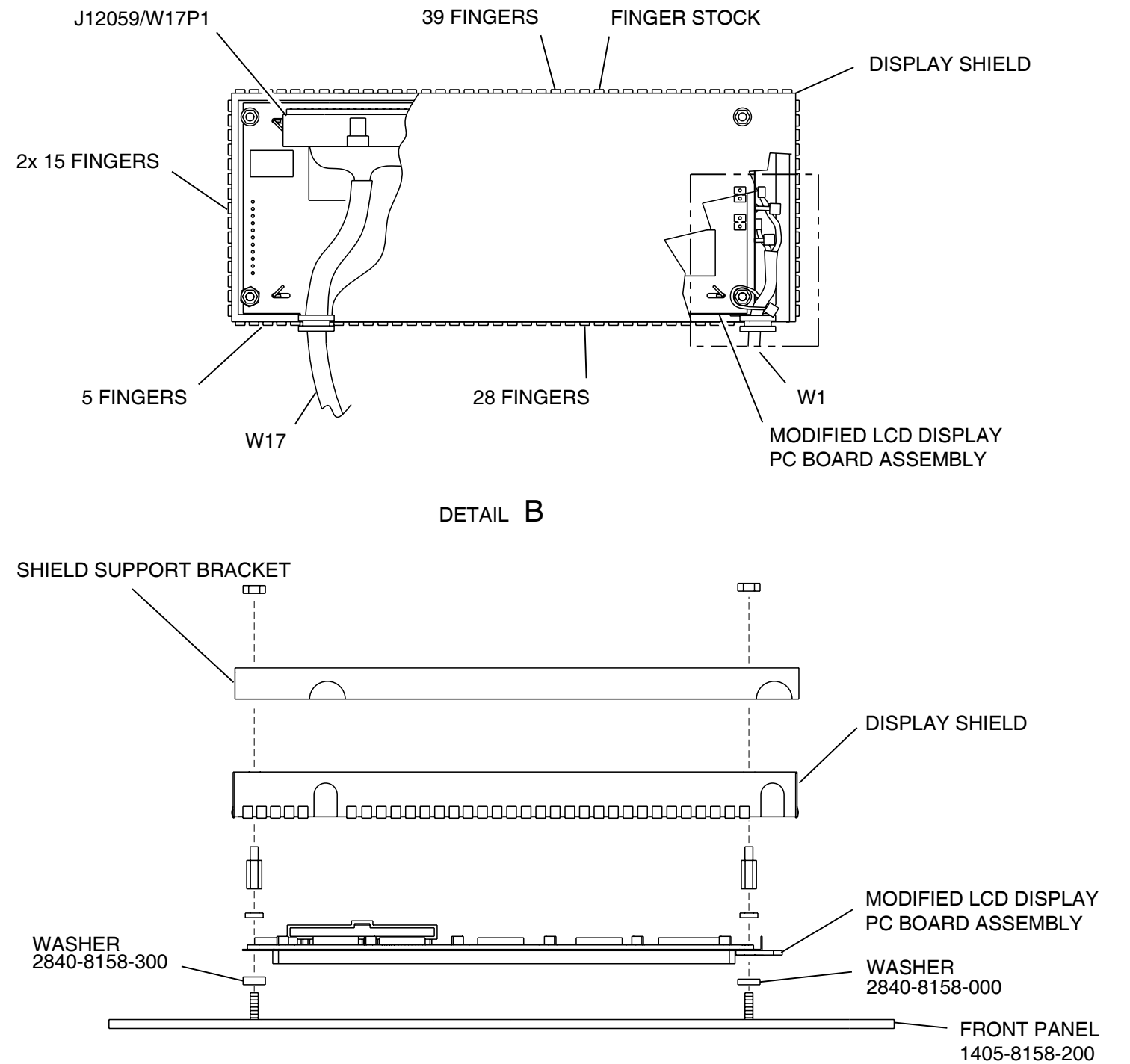
81016-2

Front Panel Assembly (Sheet 1 of 7)
Figure 38



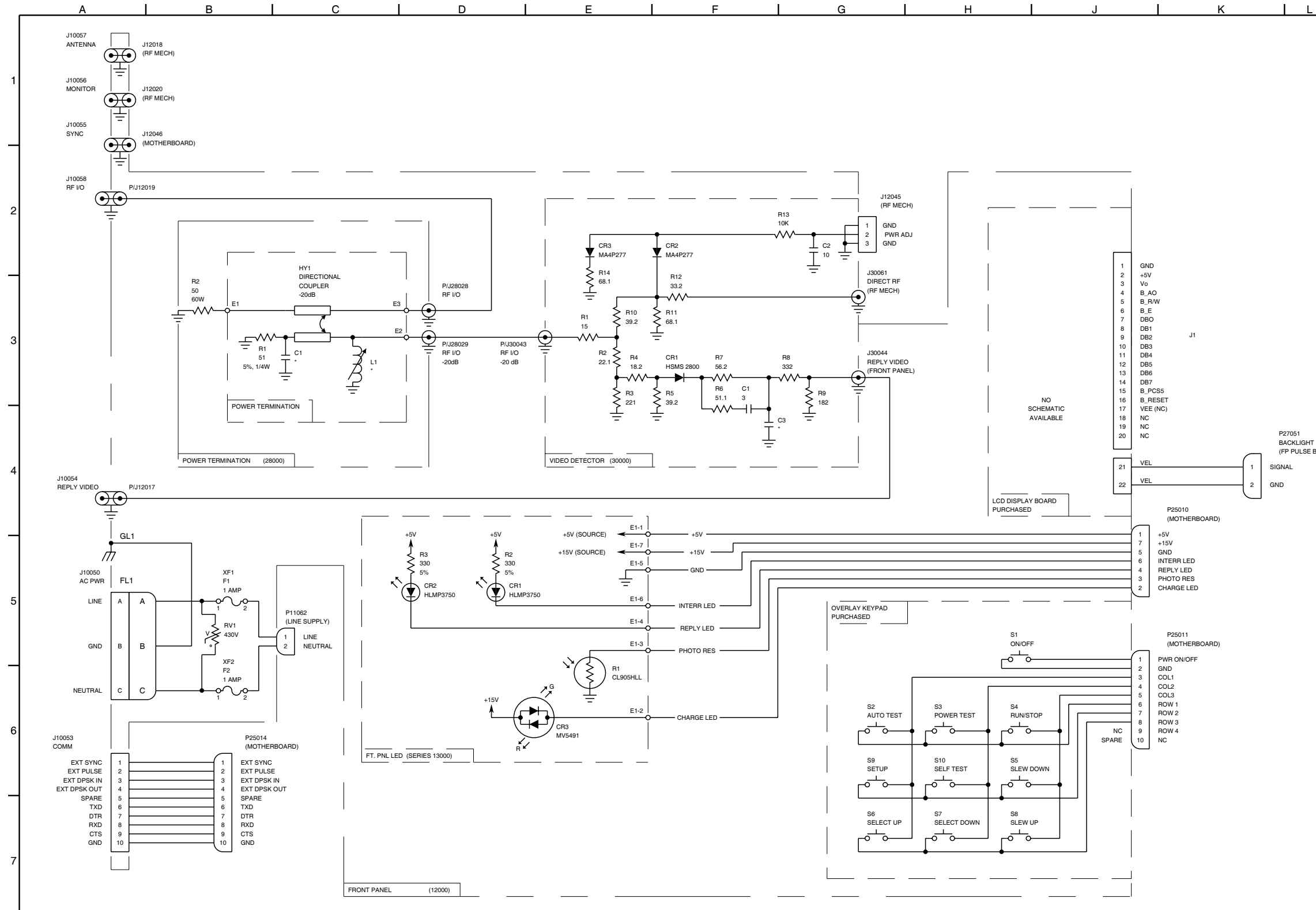
Front Panel Assembly
(7005-8144-200-D)

81018-2



Front Panel Assembly (Sheet 2 of 7)
Figure 38

81019-2



NOTES:
(UNLESS OTHERWISE NOTED)

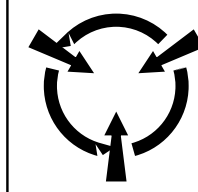
- ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES.

THIS SCHEMATIC CARRIES SERIES:

| | | |
|--------------------|---|-------|
| FRONT PANEL MECH | - | 12000 |
| FT. PANEL LED PCB | - | 13000 |
| POWER TERM MECH | - | 28000 |
| VIDEO DETECTOR PCB | - | 30000 |

- ALL RESISTORS ARE 1% TOLERANCE, 1/8W.
- ALL RESISTANCE IS EXPRESSED IN OHMS. ALL CAPACITANCE IS EXPRESSED IN PICOFARADS. ALL INDUCTANCE IS EXPRESSED IN MICROHENRIES.

* - INDICATES PRINTED TRANSMISSION LINES OF OTHER THAN 50 OHMS IMPEDANCE WHICH CONSTITUTE CIRCUIT ELEMENTS. 50 OHM TRANSMISSION LINES ARE NOT SHOWN.

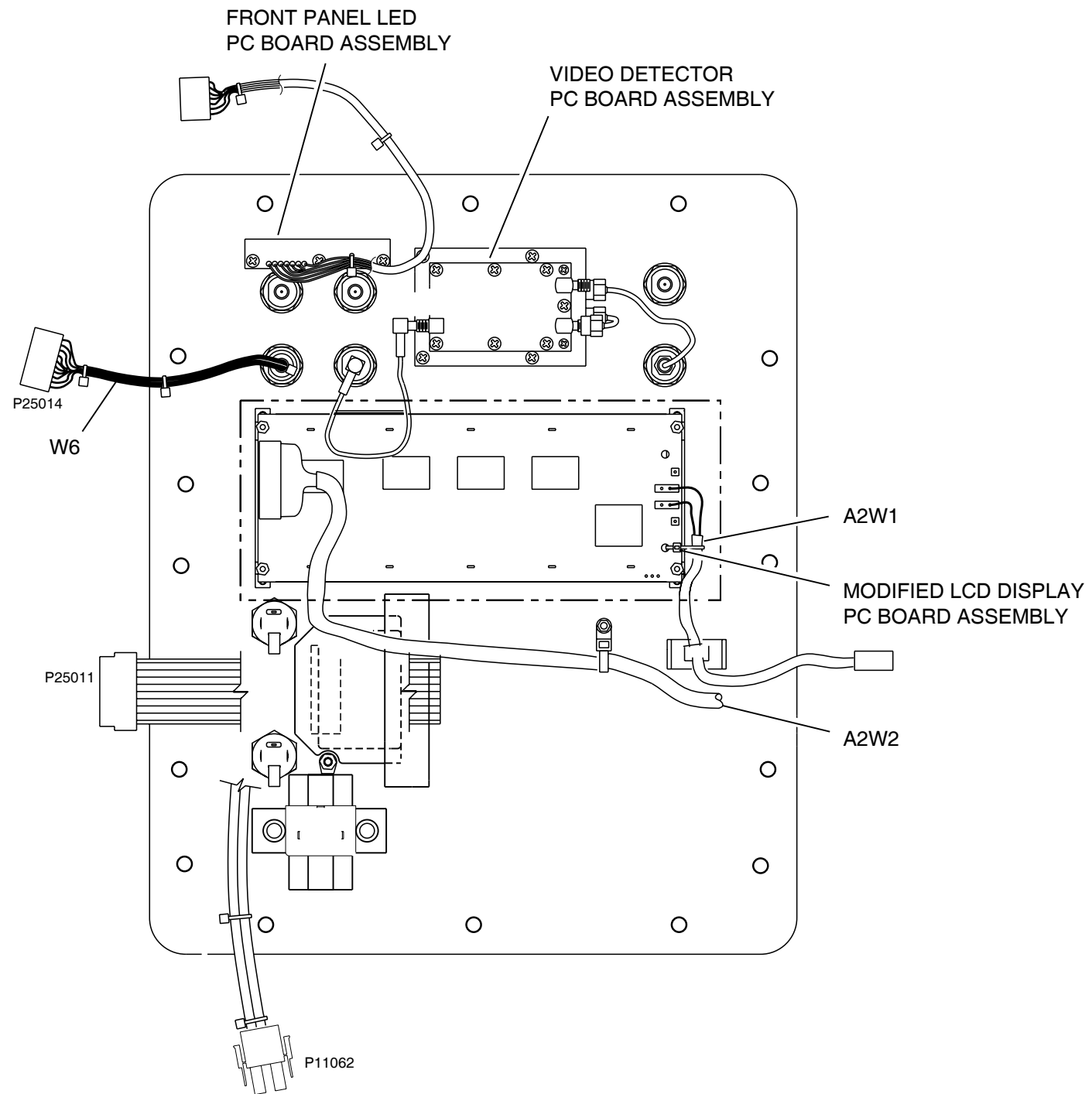


CAUTION:
CONTAINS PARTS AND ASSEMBLIES
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (ESD).

Front Panel Assembly Circuit Schematic
(0000-8144-200-A)

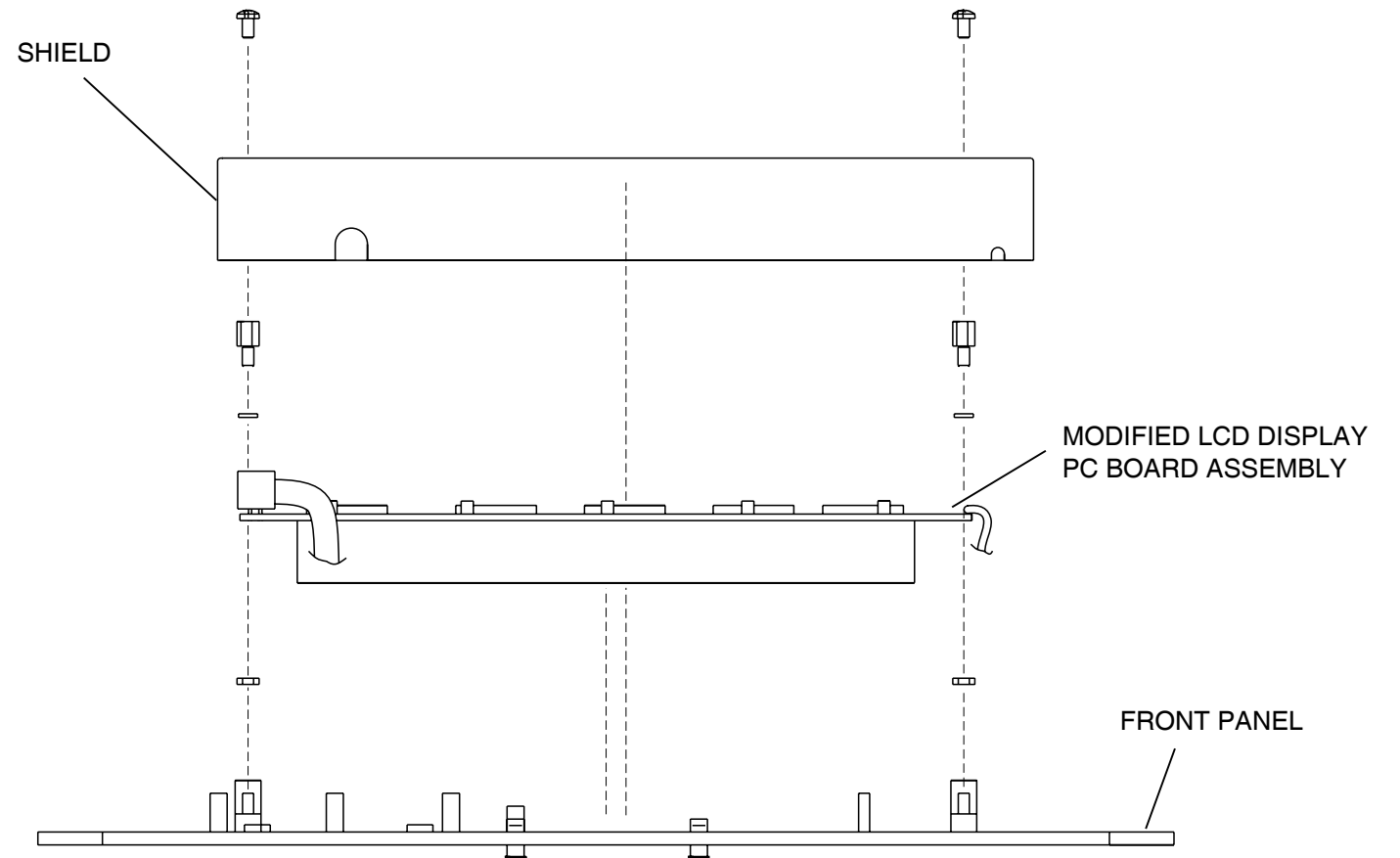
Front Panel Assembly (Sheet 3 of 7)
Figure 38

81017-2



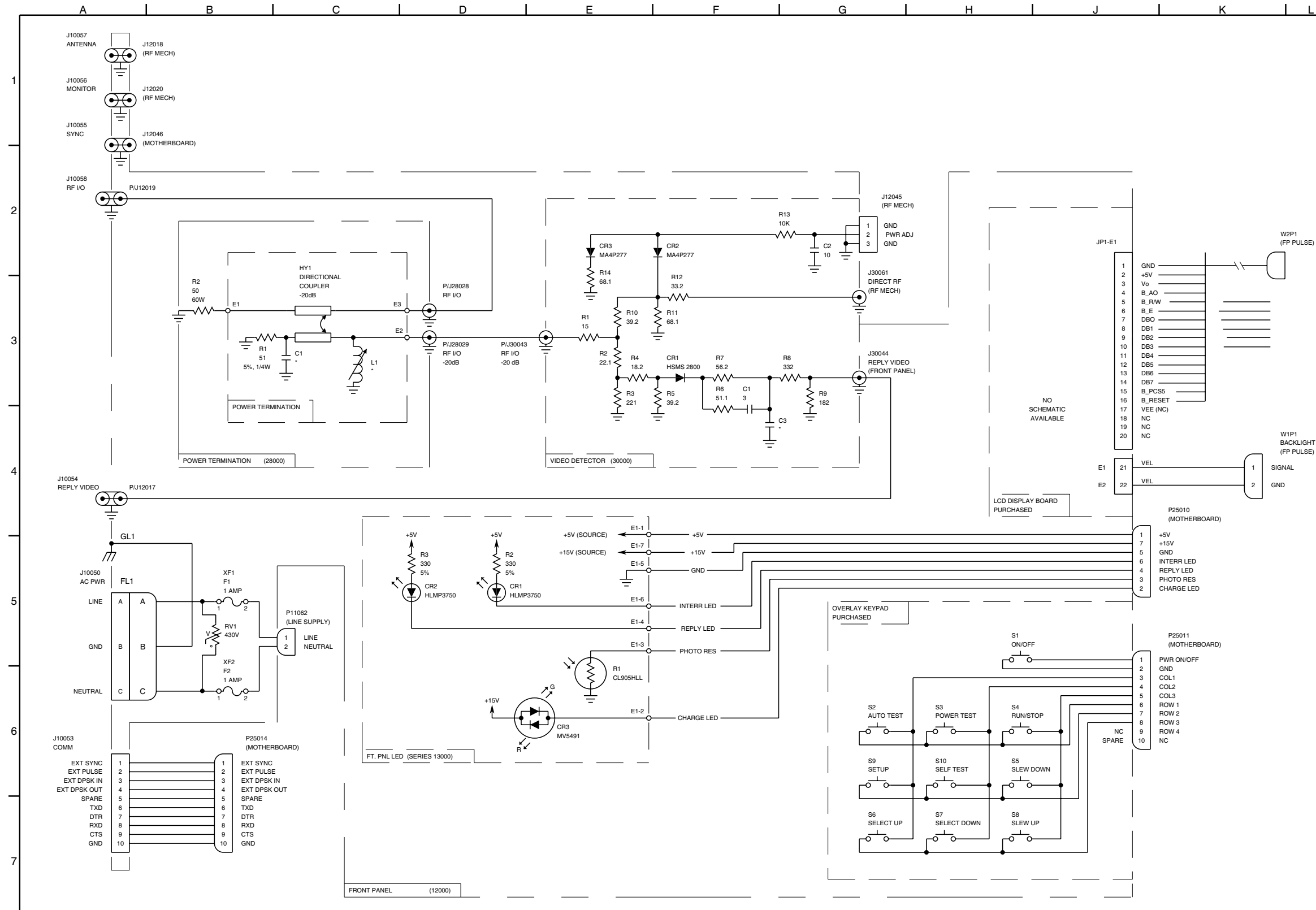
81018-2A

Front Panel Assembly
(7005-8142-900-A, B)



81019-2A

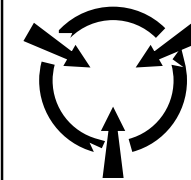
Front Panel Assembly (Sheet 4 of 7)
Figure 38



NOTES:
(UNLESS OTHERWISE NOTED)

1. ALL REFERENCE NUMBERS CARRY AN ASSIGNED DESIGNATOR SERIES.
THIS SCHEMATIC CARRIES SERIES:
FRONT PANEL MECH - 12000
FT. PANEL LED PCB - 13000
POWER TERM MECH - 28000
VIDEO DETECTOR PCB - 30000
2. ALL RESISTORS ARE 1% TOLERANCE, 1/8W.
3. ALL RESISTANCE IS EXPRESSED IN OHMS.
ALL CAPACITANCE IS EXPRESSED IN PICO FARADS.
ALL INDUCTANCE IS EXPRESSED IN MICROHENRIES.

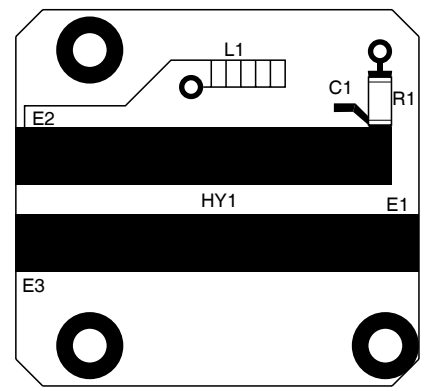
* - INDICATES PRINTED TRANSMISSION LINES OF OTHER THAN 50 OHMS IMPEDANCE WHICH CONSTITUTE CIRCUIT ELEMENTS. 50 OHM TRANSMISSION LINES ARE NOT SHOWN.



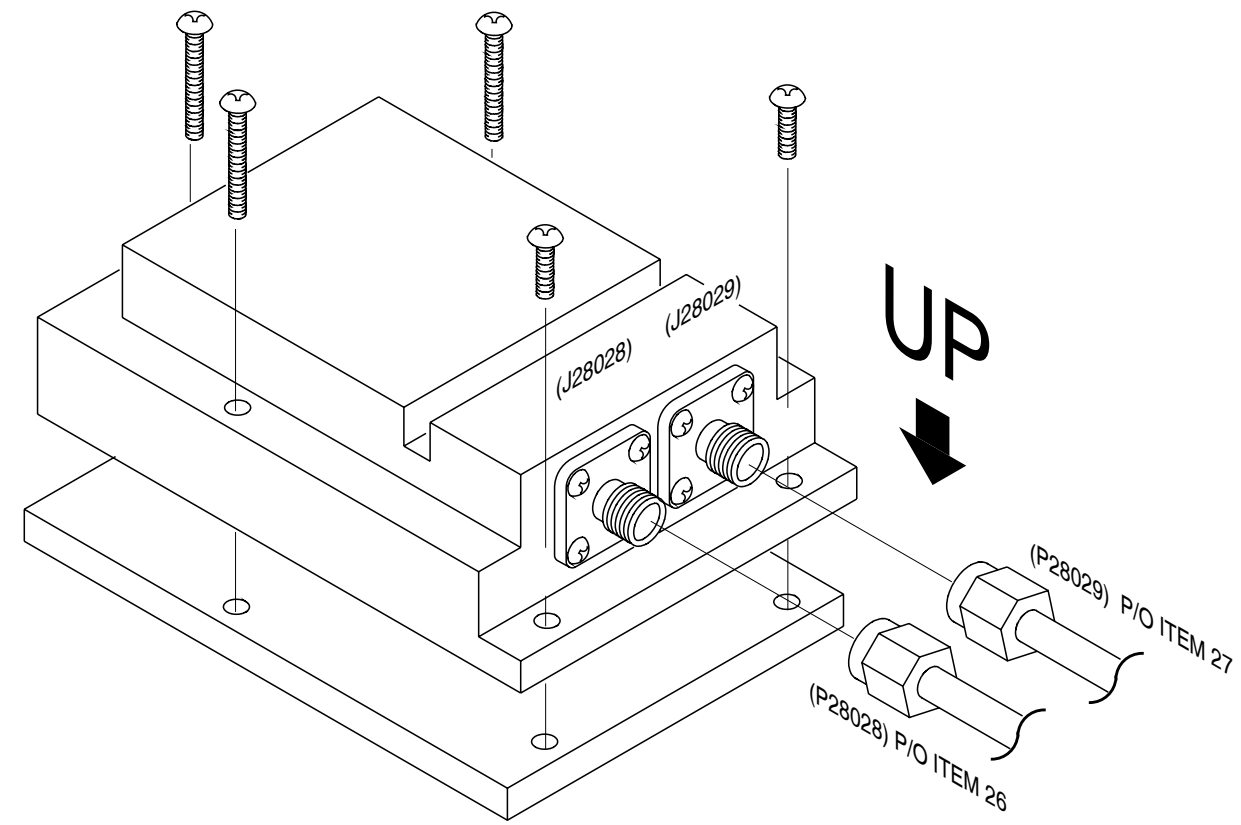
CAUTION:
CONTAINS PARTS AND ASSEMBLIES
SUSCEPTIBLE TO DAMAGE BY
ELECTROSTATIC DISCHARGE (ESD).

Front Panel Assembly Circuit Schematic
(0000-8142-900-A)

81017-2A
Front Panel Assembly (Sheet 5 of 7)
Figure 38



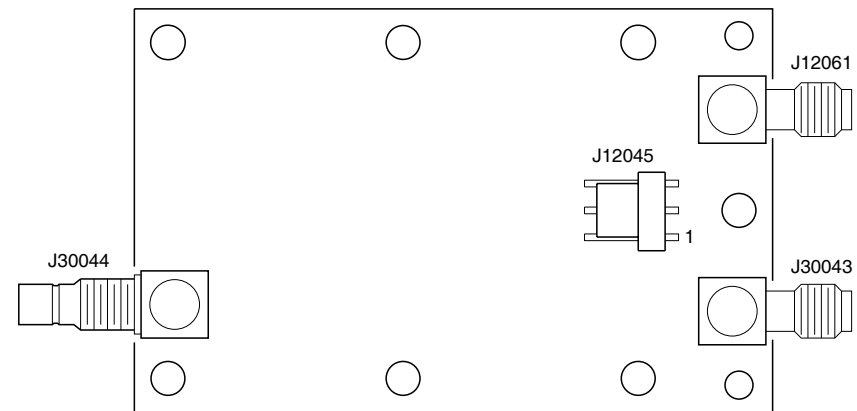
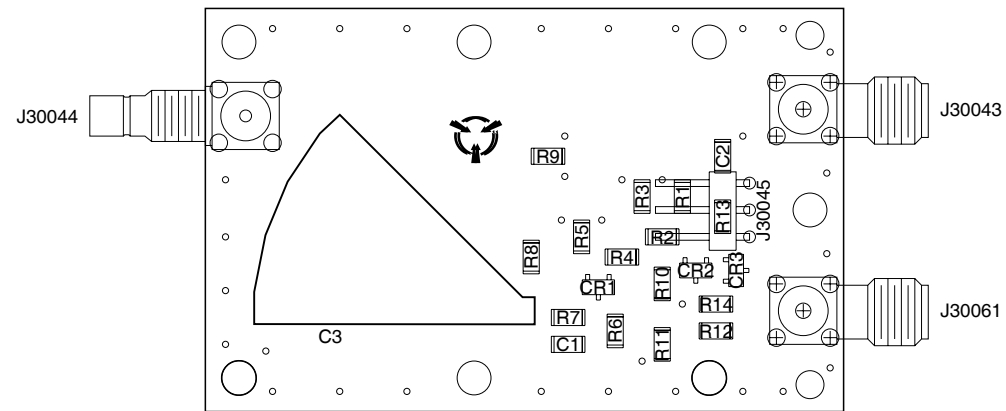
Power Termination PC Board



Power Termination Assembly
(7005-8142-100-B3)

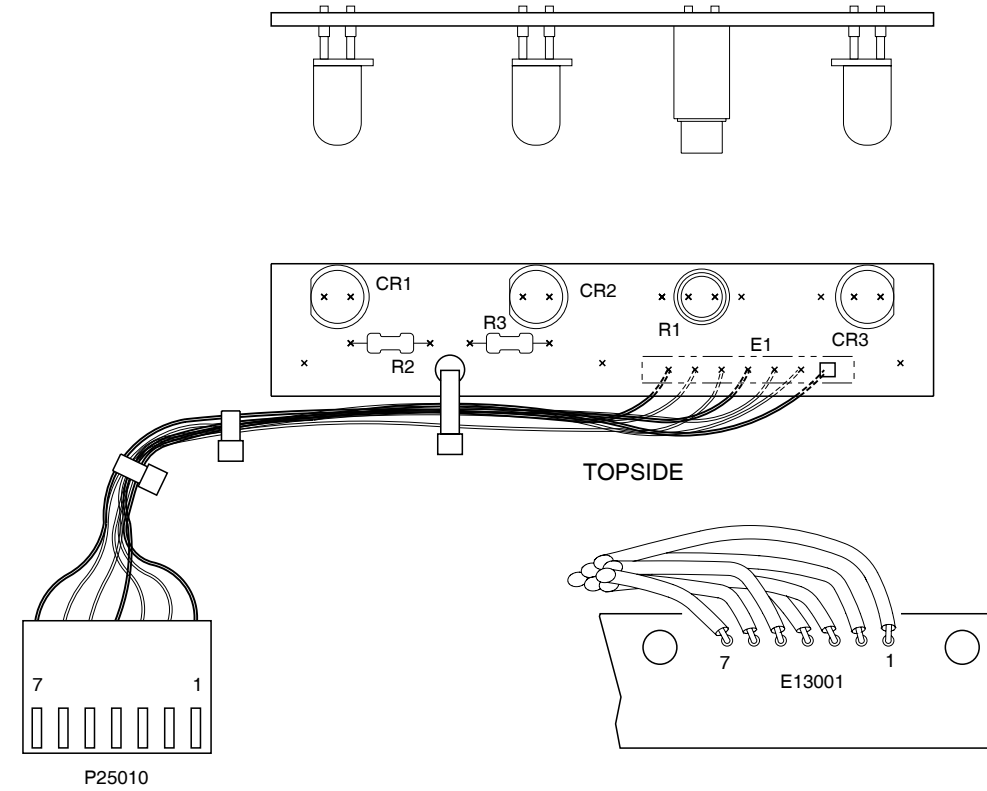
81020-2

Front Panel Assembly (Sheet 6 of 7)
Figure 38



Video Detector PC Board Assembly
(7010-8131-700-E1)

81021-2



Front Panel LED PC Board Assembly
(7010-8130-300-C)

81022-2

Front Panel Assembly (Sheet 7 of 7)
Figure 38

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