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NOTES:

1. ASSEMBLE AND SOLDER PER ITEM 701. EXCEPT:
A. SOLDER PASTE: USE ITEM 706.
B. SOLDER: USE ITEM 705.

2

SMOOTH CONTACT AT THE INTERFACE OF SIDE A OF THE PWB (ITEM 1) AND THE HOUSING (ITEM 2) IS CRITICAL. THEREFORE, SIDE A OF ITEM 1 SHALL HAVE NO SOLDER PROTRUSIONS OR LUMPS GREATER THAN .005 IN HEIGHT ABOVE THE NORMAL PLATED SURFACE.

3.

CAUTION

ESSENTIAL SAFETY MESSAGE

ESSENTIAL SAFETY MESSAGE

THIS ASSEMBLY INCLUDES COMPONENTS WHICH ARE SUBJECT TO DAMAGE BY ELECTROSTATIC CHARGES; THEREFORE, ALL COMPONENTS SHALL BE HANDLED IN ACCORDANCE WITH GUIDELINES FOR ELECTROSTATIC DISCHARGE CONTROL.

4. MAXIMUM COMPONENT HEIGHT SIDE B SHALL BE:
CONDUCTIVE CASE .350, UNDER ITEMS 3 AND 4 .295.
NONCONDUCTIVE OR GROUNDED CASE .400, UNDER ITEMS 3 AND 4 .345.
FL1 AND FL2 SHALL BE .320 MAX HIGH.

5. COMPONENT LEAD PROTRUSION SHALL BE .030 MAXIMUM.

6

SMOOTH CONTACT AT THE INTERFACE OF SIDE B OF THE PWB (ITEM 1) AND SHIELDS (ITEMS 3 AND 4) IS CRITICAL. THEREFORE, THE AREAS OF THE PWB THAT MATE WITH THESE SHIELDS SHALL HAVE NO SOLDER PROTRUSIONS OR LUMPS GREATER THAN .005 IN HEIGHT ABOVE THE NORMAL PLATED SURFACE.

7

USE ITEM 702 TO FORM W1, W2, W3, AND W4. PRE-CUT LENGTH OF W1-W4 SHALL BE .200 ±.025. ATTACH FROM FL1 AND FL2 TO PWB AS SHOWN.

8

SECURE P1 AND P2 TO ITEM 2 USING ITEM 704. APPLY 20 ±3 IN LBS OF TORQUE TO P1 AND P2. DISCARD HARDWARE SUPPLIED WITH P1 AND P2.

9

APPLY A TORQUE OF 30 ±2 IN-OUNCES TO ITEM 9 SECURING Q3 THRU Q5 TO ITEM 2.

10

ORIENT SLANT CUT LEAD OF U8, U9, U11 AND U12. AS SHOWN.

11

MOUNT LEADS OF C39, C42 AND C49 AT EDGE OF RUN AS SHOWN.

12

MOUNT FRONT AND SIDE EDGES OF Y1 FLUSH TO WITHIN .015 OF PWB PAD EDGE AS SHOWN. REFER TO 7019543 FOR SOLDERING INFORMATION.

13

MOUNT FL1 AND FL2 AS FOLLOWS: ALIGN FRONT EDGE OF FL1 AND FL2 FLUSH TO WITHIN .015 OF PWB PAD EDGE AS SHOWN. SIMULTANEOUSLY CENTER PADS ON FL1 AND FL2 WITH ASSOCIATED PADS ON PWB.

14

APPLY ITEM 704 TO THREADS.

15

J1 AND P3 MUST BE FLUSH TO WITHIN .005 OF PWB (ITEM 1).

16

P1 AND P2 SHALL BE CONNECTED TO ITEM 1 (PWB) USING ITEM 702 (SILVER RIBBON). LEAVE A SMALL ARCH IN THE SILVER RIBBON FOR STRESS RELIEF. KEEP SOLDER OUT OF THE STRESS RELIEF AREA. USE A MINIMAL AMOUNT OF SOLDER. DO NOT NICK OR CREASE SILVER RIBBON.

17

SHADED COMPONENTS ARE NOT INSTALLED.

REV STATUS OF PARTS LIST SHALL BE SAME AS BASIC DRAWING NUMBER SEE SEPARATE PARTS LISTS

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SHEET

INDEX

FOR HONEYWELL REFERENCE

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES: TOLERANCES: ANGLES ±1°

2 PL DEC ±.020 3 PL DEC ±.005

MFG REF NO.

DPA NO. A-20377

PRODUCT LINE NO. 6720

AW/PS ANALYSIS EB 7026149

REF DWG

REF SPEC

MATL

MATL-PROCESS-FINISH

MILITARY DESIGNATION

PROCESS, FINISH, SEE QQ.40.

ITEM CODE (PER EB699384) 3

THIRD ANGLE PROJECTION

DWG CLASS

FIRST USED ON 7517400

7517400

7517400

NEXT ASSY

USED ON (SYS)

APPLICATION

CONTRACT

DRAWN BY

DATE

DESIGNED BY

CHECKED BY

DATE

APVD FOR MFG

DATE

APVD FOR OE

DATE

APVD FOR ENGRG

DATE

APVD FOR ENGRG

DATE

OPERATIONAL NOTE

SIMILAR ASSEMBLY

Honeywell

COMMERCIAL FLIGHT SYSTEMS GROUP PHOENIX, ARIZONA

TITLE

CIRCUIT CARD ASSEMBLY-TRANSMITTER, A5

SIZE

CAGE CODE

DRAWING NO.

REV

SCALE

NONE

UNIT

WT

SHEET

1

OF

7

5231-040 (ASME Y14.5M-1994) HONEYWELL INC. (REV 3-87)

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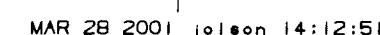
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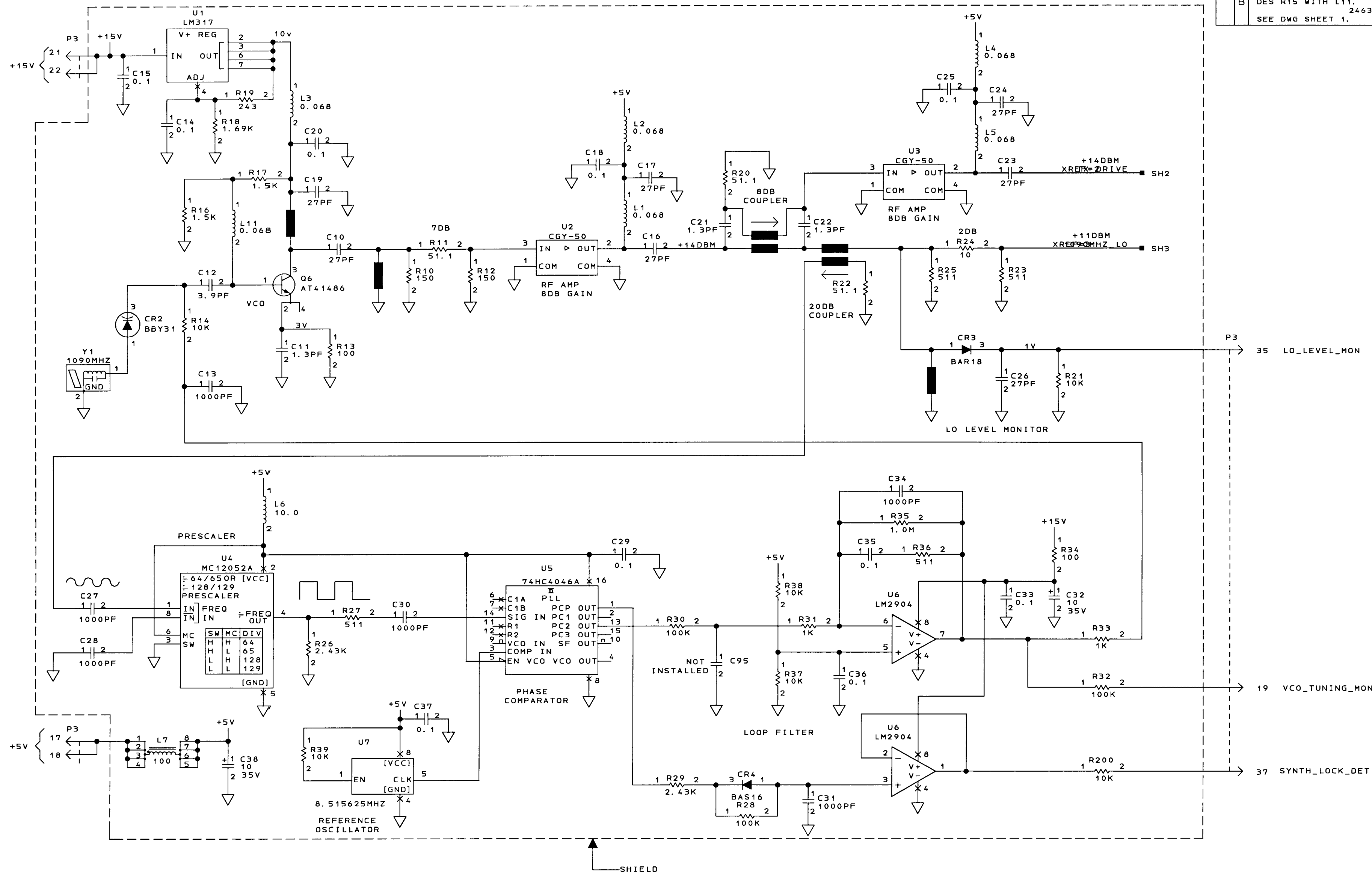
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MAR 28 2001 jolson 14:12:51

BEFORE TIGHTENING SCREWS, MOVE PART AS CLOSE AS POSSIBLE AGAINST INDICATED EDGE OF BOARD CUT OUT



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
D7	A	UTD SCHEM: REF DES U4 TYPE WAS MC12022A.	10 NOV 00	M. INOUE
		SEE DWG SHEET 1.		M. BROWN
B	B	UTD SCHEM: REPLACE REF DES R15 WITH L11.	10 NOV 00	M. INOUE
		SEE DWG SHEET 1.		M. BROWN

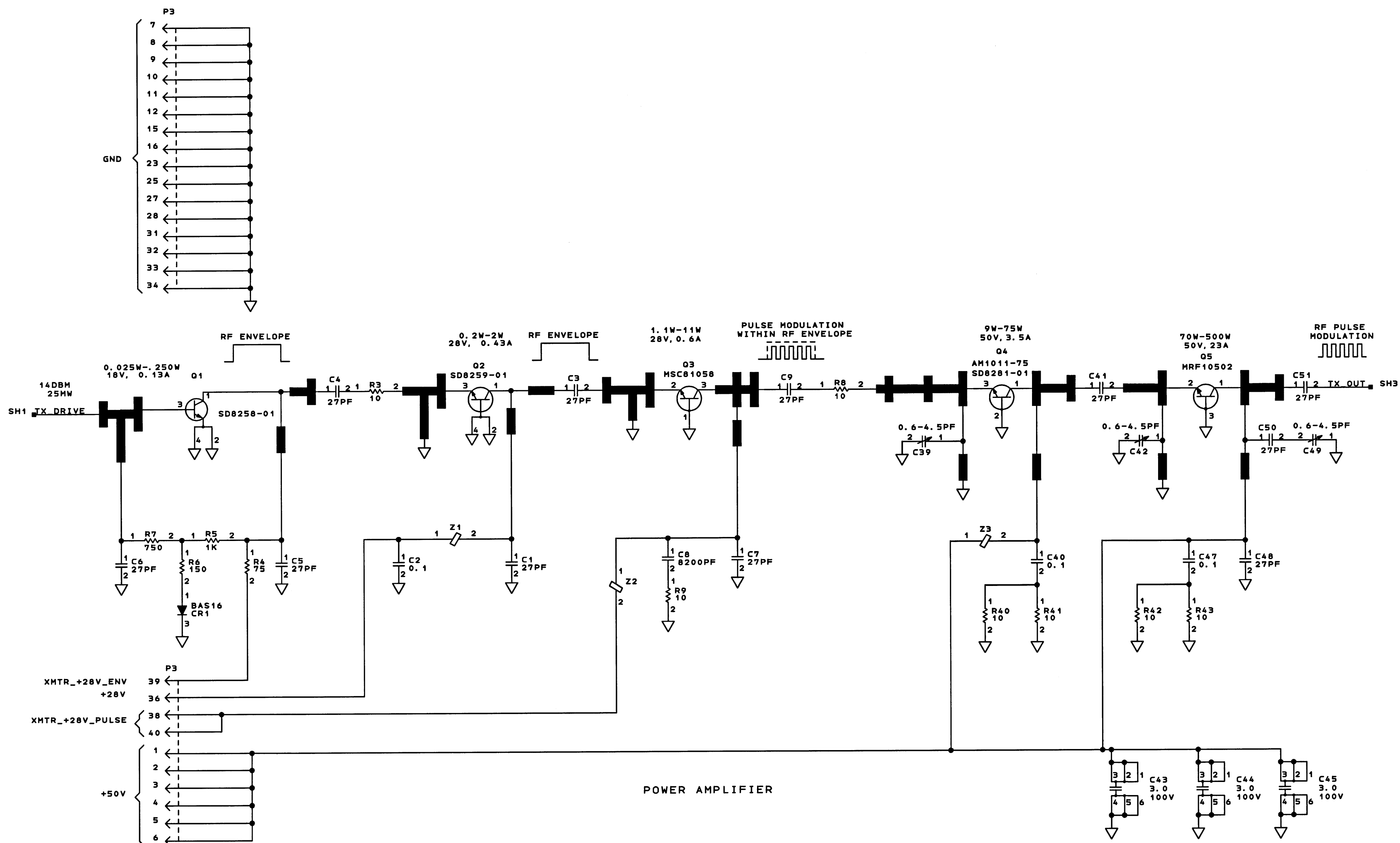


- NOTES:
UNLESS OTHERWISE SPECIFIED:
1. ALL CAPACITANCE VALUES ARE IN MICROFARADS.
2. ALL RESISTANCE VALUES ARE IN OHMS.
3. ALL INDUCTANCE VALUES ARE IN MICROHENRIES.
4. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN.
5. INTERPRET DRAWING PER ANSI Y32.2-1975 AND ANSI/IEEE STD 991-1986. LOGIC SYMBOLS CONFORM TO ANSI/IEEE STD 91-1984.
6. ALL VOLTAGES ARE DC UNLESS OTHERWISE NOTED.

1090 MHz LOCAL OSCILLATOR
SCHEMATIC DIAGRAM SHEET NO. 1 OF 5

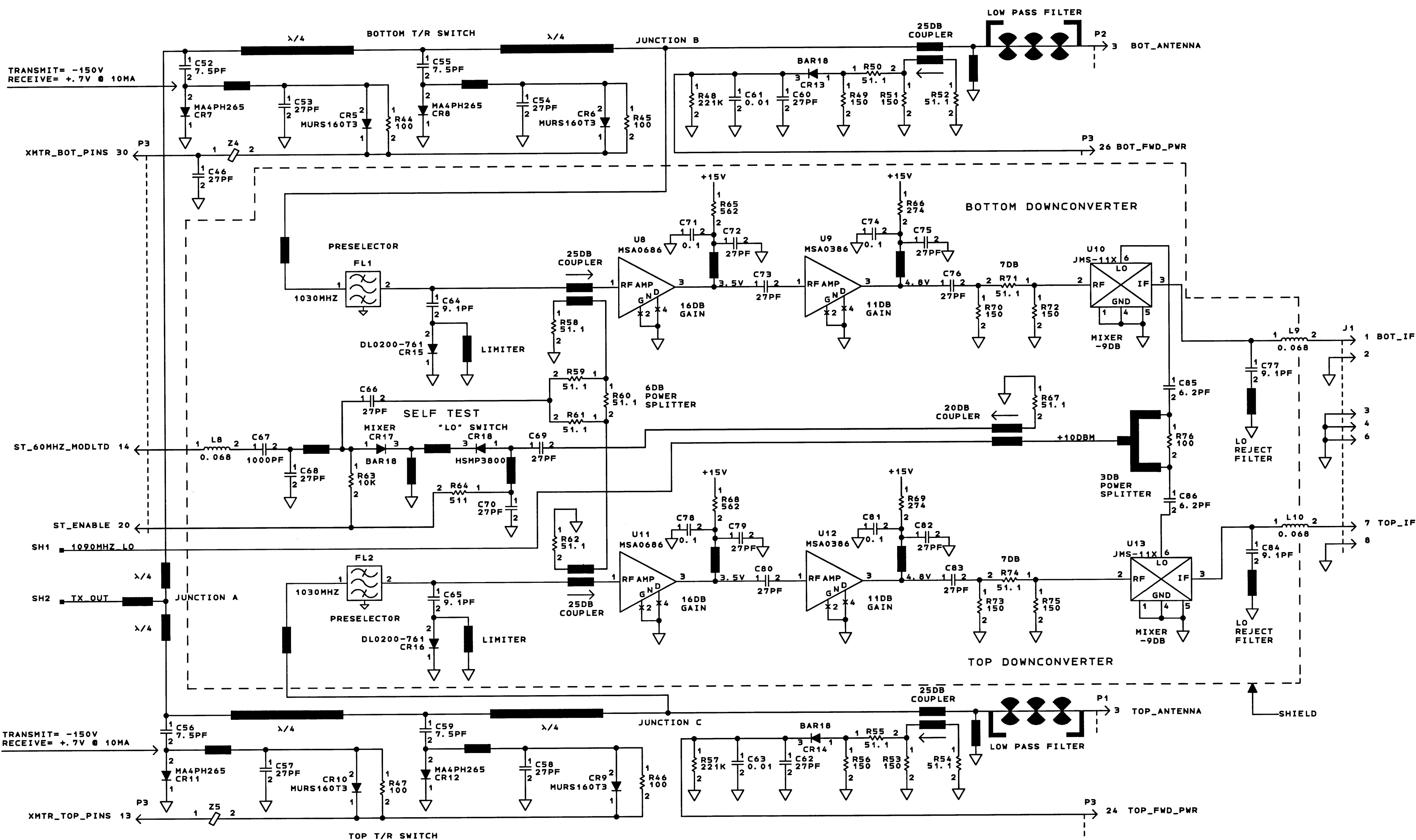
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Honeywell	SEE FIRST SHEET FOR CONTRACT NUMBER, USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.	SIZE	CAGE CODE	DRAWING NO.	REV
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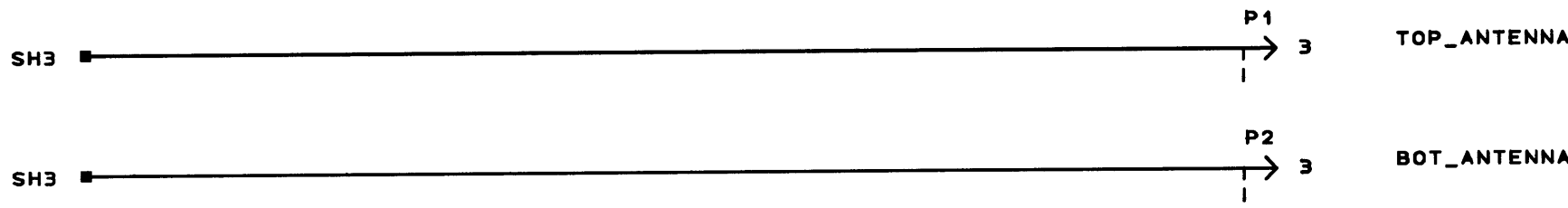
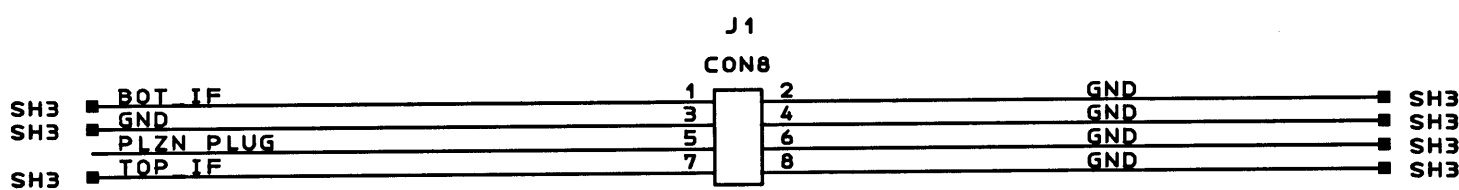
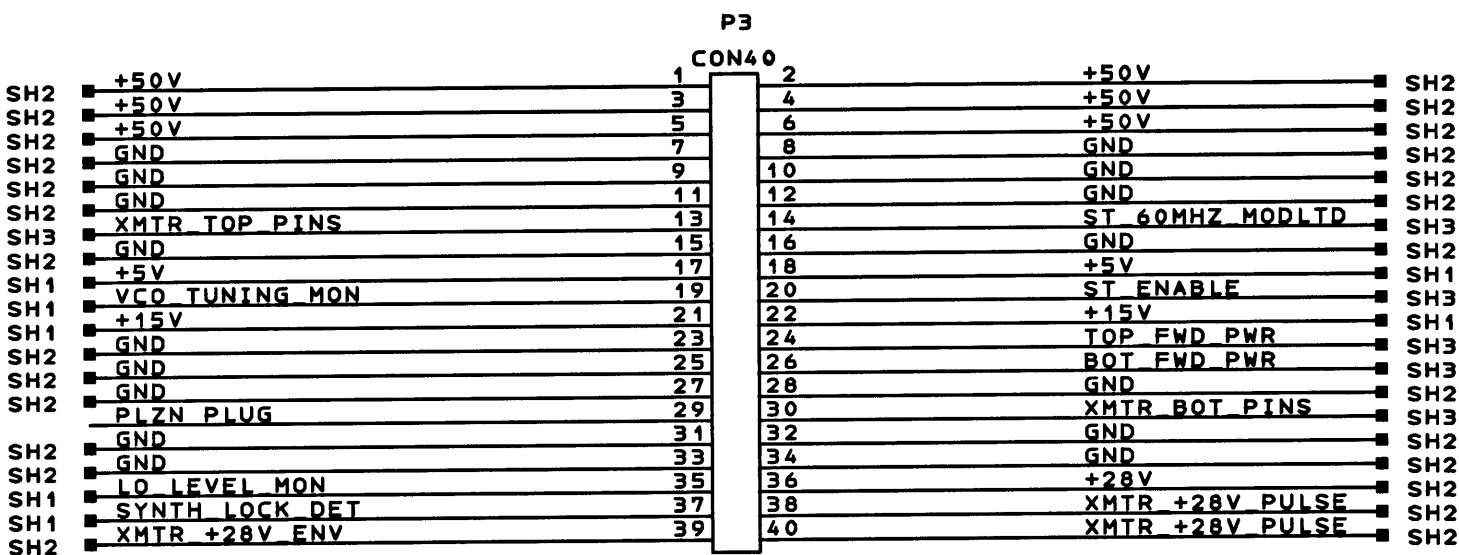
POWER AMPLIFIER
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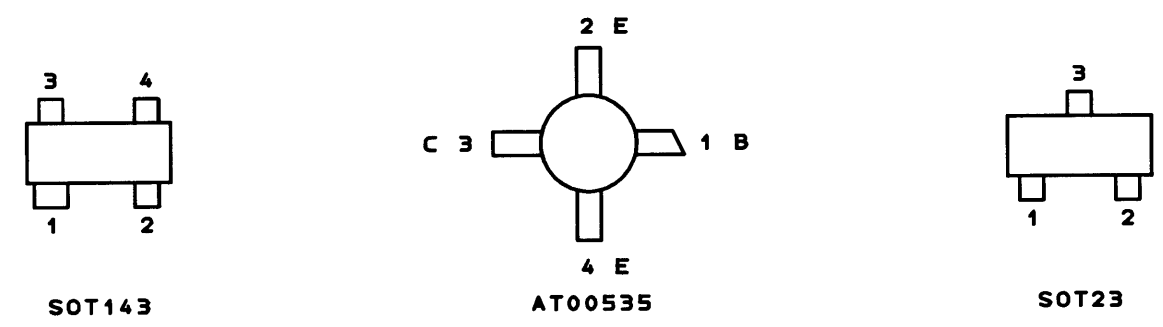


DUPLEXER/DOWNCONVERTERS/SELF-TEST
SCHEMATIC DIAGRAM SHEET NO. 3

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PINOUTS OF SMT DEVICES



COMMON LABELS
ON TOP OF SMT DEVICES

PART NAME	LABEL
BAS16	A6
BAR18	5F, D76
BZX84-C13	Y3
BSR14	U8
MMBT5550	1F
BSR16	T8
SMBG15A	LH
SMBG5A	KE
MURS160T3	U1J
MMBT5401	2L
BZX84-C10	6Z
SMBG48A	MW
PZTA92	ZTA92
CGY50	G2
MSA0686	A06
MSA0386	A03
HSMP3800	D0
AT00535	NONE
HSMP3820	F0

CONNECTOR PIN-OUT
SCHEMATIC DIAGRAM SHEET NO. 4

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