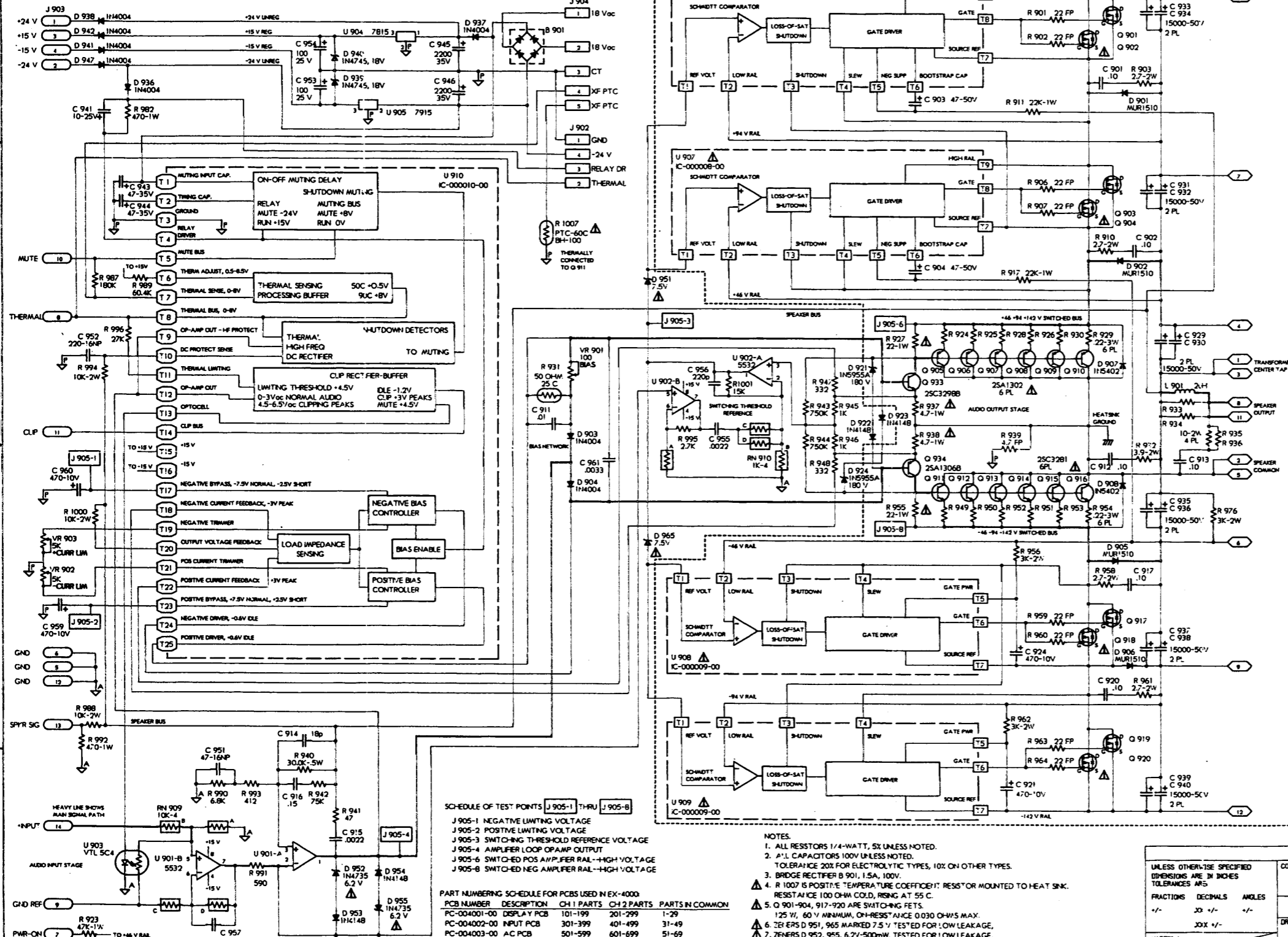


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**SCHEMATIC, AMPLIFIER CHANNEL, MPA 1100**  
REV K, 10-14-92, FOR PC-004200-00 REV E



**SCHEDULE OF TEST POINTS** J 905-1 THRU J 905-8

J 905-1 NEGATIVE LIMITING VOLTAGE  
 J 905-2 POSITIVE LIMITING VOLTAGE  
 J 905-3 SWITCHING THRESHOLD REFERENCE VOLTAGE  
 J 905-4 AMPLIFIER LOOP OP-AMP OUTPUT  
 J 905-5 SWITCHED POS AMP/FER RAIL-HIGH VOLTAGE  
 J 905-6 SWITCHED NEG AMP/FER RAIL-HIGH VOLTAGE

**PART NUMBERING SCHEDULE FOR PCBs USED IN EX-4000**

PCB NUMBER	DESCRIPTION	CH 1 PARTS	CH 2 PARTS	PARTS IN COMMON
PC-004001-00	DISPLAY PCB	101-199	201-299	1-29
PC-004002-00	INPUT PCB	301-399	401-499	31-49
PC-004003-00	A-C PCB	501-599	601-699	51-69
PC-004004-00	SPKR PCB	701-799	801-899	71-99
PC-004200-00	AMP CHANNEL 901-UP (SAME BOARD FOR CH 1, CH 2)			

- NOTES:**
- ALL RESISTORS 1/4-WATT, 5% UNLESS NOTED.
  - ALL CAPACITORS 100V UNLESS NOTED.
  - BRIDGE RECTIFIER B 901, 1.5A, 100V.
  - R 1007 IS POSITIVE TEMPERATURE COEFFICIENT RESISTOR MOUNTED TO HEAT SINK. RESISTANCE 100 OHM COLD, RISING AT 55 C.
  - Q 901-904, 917-920 ARE SWITCHING FETS.
  - TRANSISTORS D 951, 965 MARKED 7.5 V TESTED FOR LOW LEAKAGE.
  - TRANSISTORS D 952, 965, 6.2V-500mW, TESTED FOR LOW LEAKAGE.
  - PARTS MARKED WITH TRIANGLE MUST BE REPLACED WITH EXACT TYPE ONLY.
  - PARTS ENCLOSED WITH DOTTED OUTLINE HAVE VOLTAGES GREATER THAN 42V.

ZONE	REV	DESCRIPTION	DATE	APPROVED
A		PROD. REL. PER ECO 762	7-2-90	
B		PROD. REL. PER ECO 789 LG	8-22-90	
C		PER REL. PER ECO 885 GLF	1-8-91	
D		PER REL. PER ECO 1040 GLF	3-21-91	
E		PER REL. PER ECO 1095 GLF	6-10-91	SGM
F		REVISED PER ECO 1198 WR	8-9-91	SGM
G		REVISED PER ECO 1262 LG	10-9-91	SGM
H		REVISED PER ECO 1290 PHQ	11-6-91	SGM
J		REVISED PER ECO 1367, R 987 PHQ	1-27-92	SGM
K		REVISED PER ECO 1462, R 996, R991, U903 SGM	10-14-92	SGM
L		REVISED PER ECO 1692, R 989 WR	12-15-92	SGM
M		REVISED PER ECO 1724 LG	1-29-93	SGM

FEB 02 1993

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		CONTRACT NO.		APPROVALS		DATE	
FRACTIONS	DECIMALS	ANGLES					
1/16	.001	30					
1/32	.0005	15					
3/32	.0015	16					
1/8	.005	30					
3/16	.015	45					
1/4	.030	60					
5/16	.045	75					
3/8	.075	90					
7/16	.110	105					
1/2	.150	120					
5/8	.200	135					
3/4	.250	150					
7/8	.350	165					
1	.500	180					
DO NOT SCALE DRAWING							

**PARTS LIST**

**JBL Professional Products**  
Northridge, California

**SCHEMATIC MPA - 1100**  
**AMPLIFIER CHANNEL**

SIZE: 0.8" x 1.1" (D)  
 DWG NO: SH-004000-00  
 SHEET: 1 OF 1