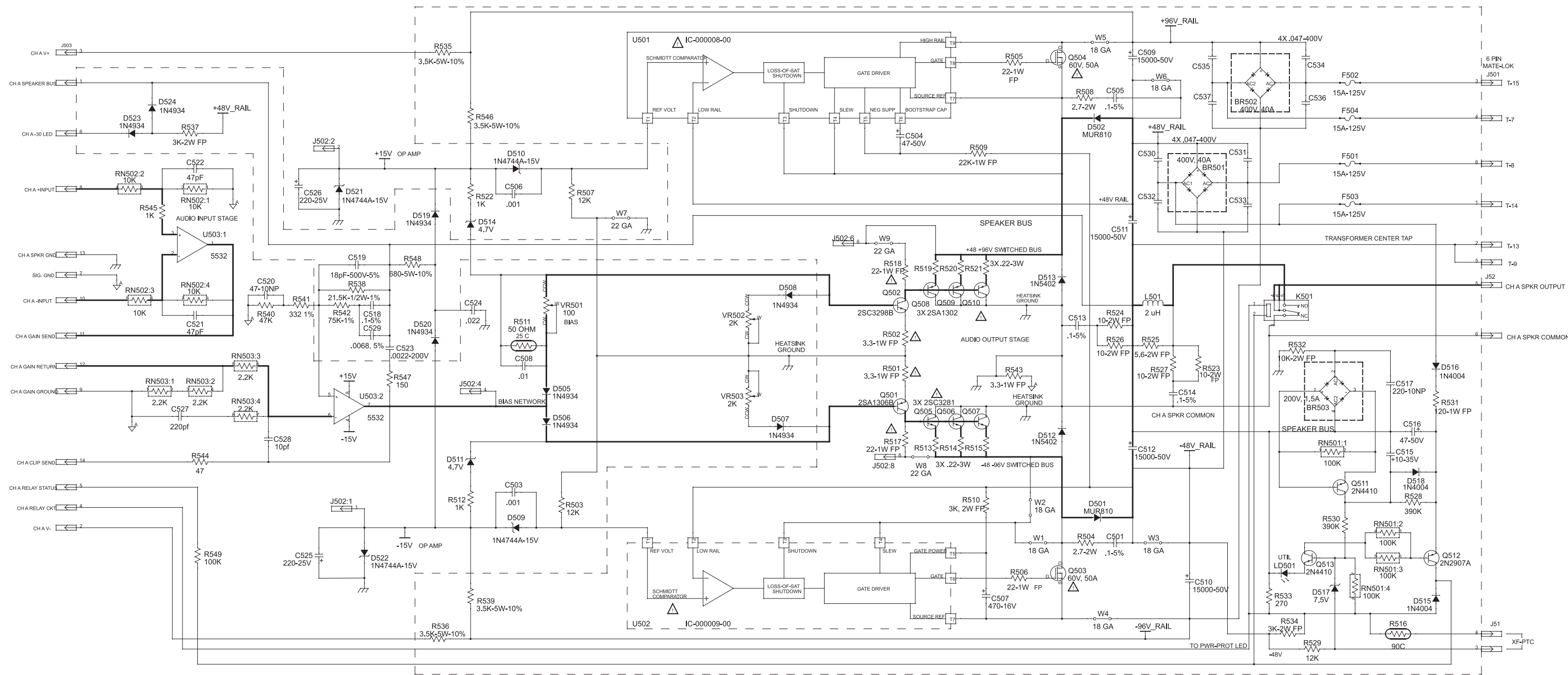


SCHEMATIC DIAGRAM, MPC600 / 600T

Main PCB Assy



10. CH B IS LAID OUT ON RIGHT SIDE OF PC-001510-00 CIRCUIT SAME AS CHANNEL A ABOVE. SEE PART NUMBERING SCHEDULE.
9. DIODES D525, 625 ARE USED ON MPX 300 MAIN AMP PCB ASSY. QSC P/N WP-000113-00, AND APPEAR ON PC-001510-00.
8. PARTS ENCLOSED WITHIN DOTTED OUTLINE ----- HAVE VOLTAGES GREATER THAN 42V.
7. PARTS MARKED WITH TRIANGLE Δ MUST BE REPLACED WITH EXACT TYPE ONLY.
6. BRIDGE RECTIFIER BR 503, 603, 1.5A, 200V, QSC P/N QD-1.5200-BX.
5. ZENERS D517, 617, MARKED 7.5V, LOW LEAKAGE, QSC P/N QD-0007.5-ZT
4. Q 503, 504 603, 604 ARE SWITCHING FETS, QSC P/N QD-000031-QD, 125W, 60V MINIMUM, ON-RESISTANCE 0.030 OHMS MAX.
3. R516, 616 IS POSITIVE TEMPERATURE COEFFICIENT RESISTOR, MTD TO HEAT SINK. RESISTANCE 100 OHM COLD, RISING AT 85 C. QSC P/N RE-000009-VP
2. ALL CAPACITORS 100V UNLESS OTHERWISE NOTED. TOLERANCE 20% FOR ELECTROLYTIC TYPES, 10% ON OTHER TYPES.
1. ALL RESISTORS 1/4-WATT, 5% UNLESS NOTED.

SCHEDULE OF TEST POINTS [J502-1] ETC

CH A	CH B	DESCRIPTION
J502-1	J602-1	NEGATIVE LIMITING VOLTAGE
J502-2	J602-2	POSITIVE LIMITING VOLTAGE
J502-3	J602-3	NOT USED
J502-4	J602-4	AMPLIFIER LOOP OPAMP OUTPUT
J502-6	J602-6	SWITCHED POS AMPLIFIER RAIL-- CAUTION, HIGH VOLTAGE
J502-8	J602-8	SWITCHED NEG AMPLIFIER RAIL-- CAUTION, HIGH VOLTAGE

NOTES UNLESS OTHERWISE SPECIFIED

J REL 1 SH SH-001510-00 DWG NG