

**CARVIN**  
 12340 World Trade Drive  
 San Diego, CA 92128  
 (619) 487-1600  
 FAX 487-6629

**DCM-L series CLASS D & RX, XP, C  
 FLAT PCB DESIGN**

DRAWN BY: GEORGE DREYER DATE: 18 JULI 2008  
 APPROVED: DATE:  
 PCB NO: 30-Q2004 REV: O  
 ASSY: see below REV:  
 NO:  
 REVISED BY: GEORGE DREYER DATE: 10SEP11

NOTE CHANNEL NUMBERS ON PRODUCT VS SCHEMATIC NOT ALWAYS THE SAME.  
 CURRENT ASSEMBLIES WITH THIS PCB:  
 120VAC 240VAC  
 80-02002 80-02001 DCM2000L-E 2 CHANNEL POWER AMP  
 80-02002 80-02003 DCM2000L-E 2 CHANNEL POWER AMP w/DSIP  
 80-02004 80-02005 DCM2004L-E 4 CHANNEL POWER AMP  
 80-02024 80-02025 DCM2004L-E 4 CHANNEL POWER AMP w/DSIP  
 80-02010 80-02110 XP1000L-E 3 CHANNEL AMP  
 80-02012 80-02112 RX1000L-E 4 CHANNEL AMP  
 80-02015 80-02115 BX1500L-E 3 CHANNEL BASS AMP  
 80-02016 80-02116 C1648P-E 4 CHANNEL AMP  
 80-01020 changed to 30-01000 PCB 80-01005-06 DCM1000L POWER AMP

Rev K and L are the new FAN7387 power supply chip.  
 4. ADDED AS SECONDARY OPERATION.  
 2. ALL CAPACITORS IN MICORFARADS, EXCEPT AS NOTED.  
 1. ALL RESISTORS IN OHMS  
 NOTES: UNLESS OTHERWISE SPECIFIED.

80-02002/26 "DCM2004Lx" R137, R237, R537 and R637 are 330ohm  
 80-02002/0301 "L" R135 and R235 are 3.3K  
 80-02002/2321 "L" R135 and R235 are 3.9K

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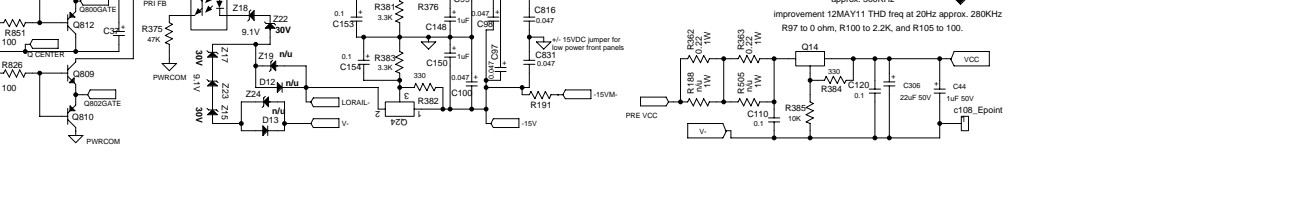
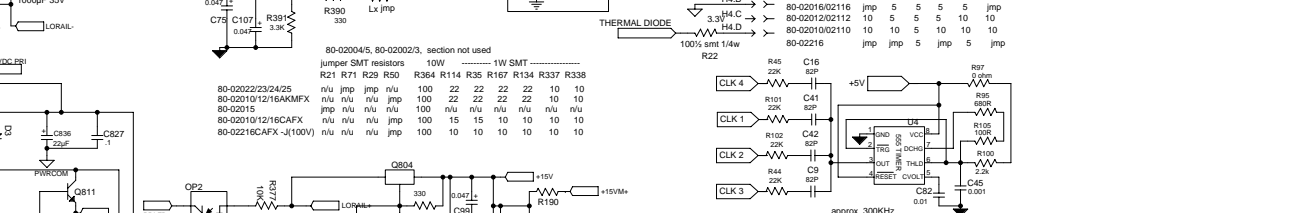
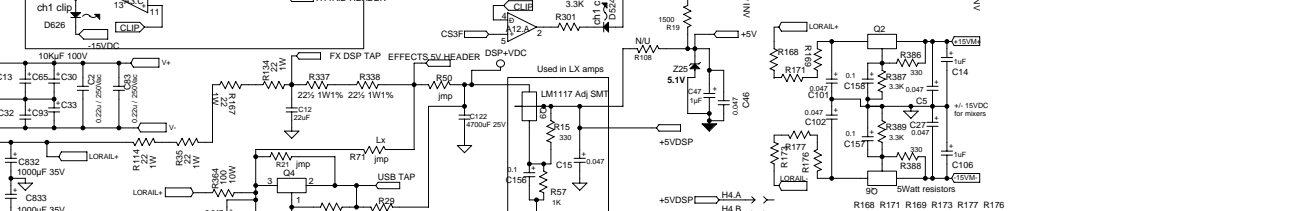
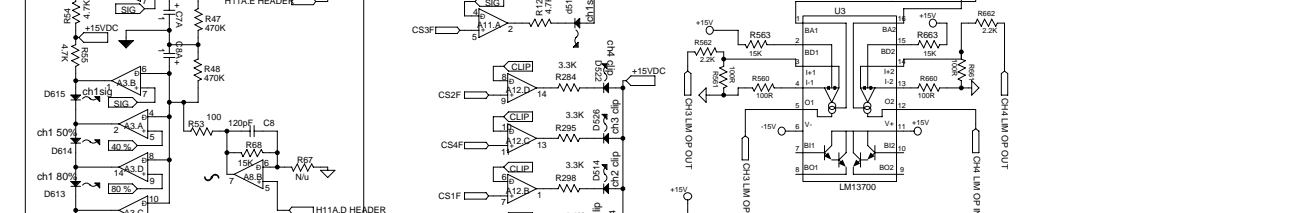
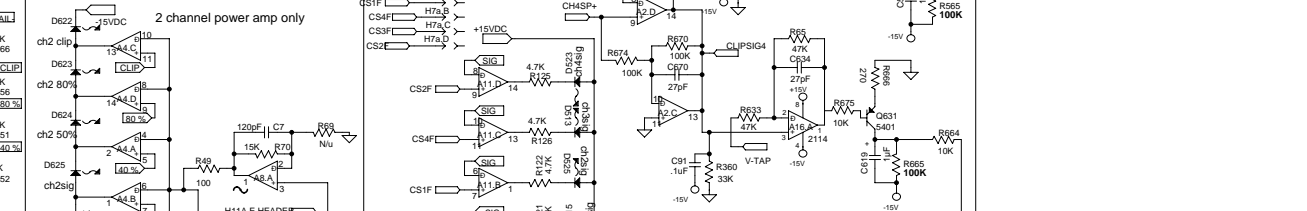
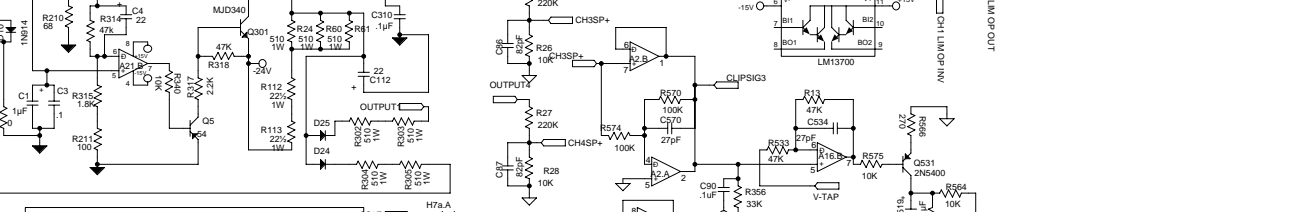
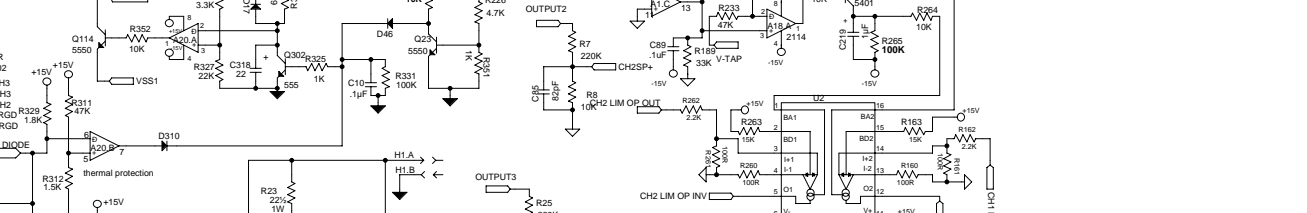
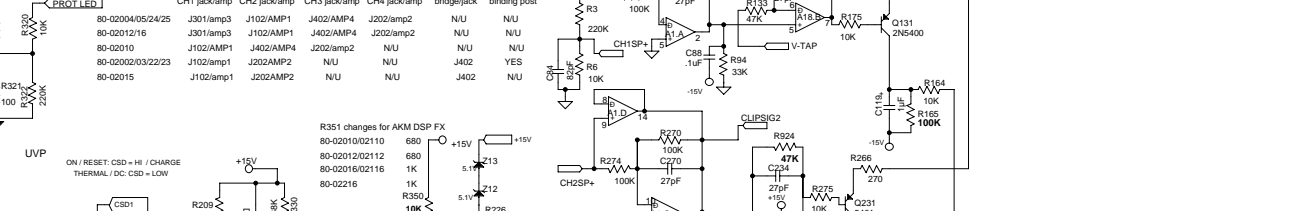
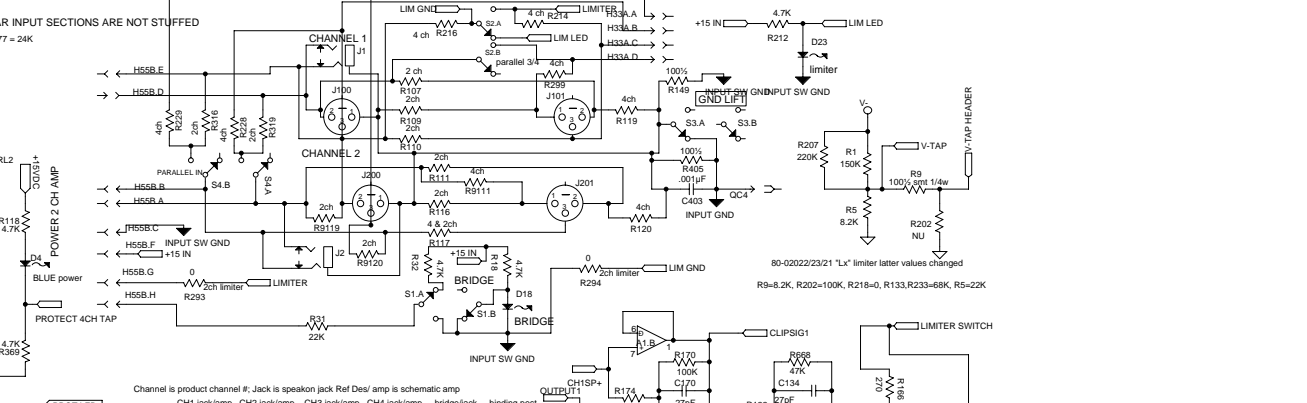
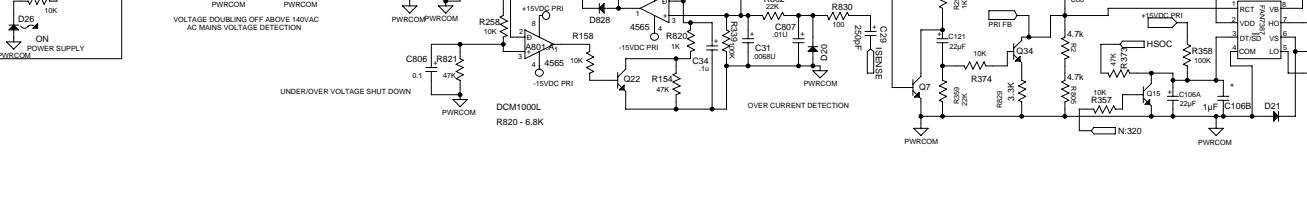
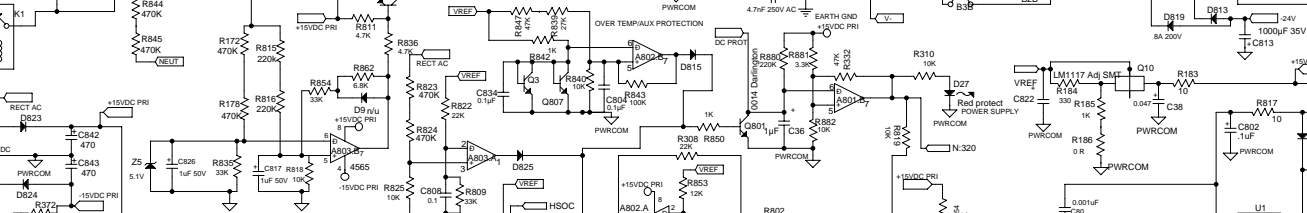
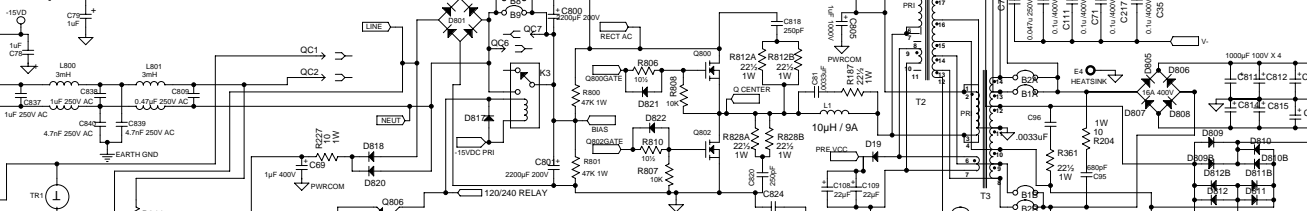
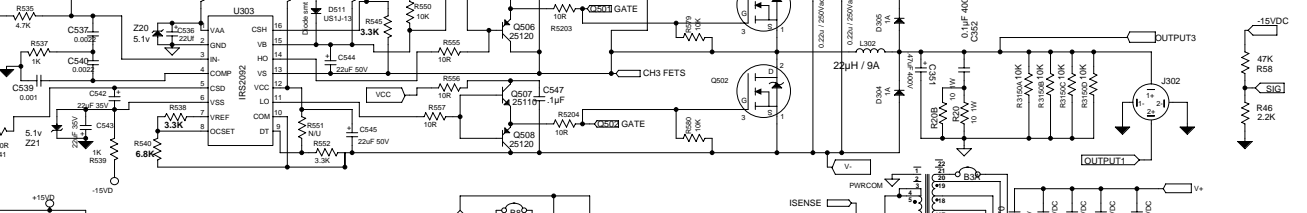
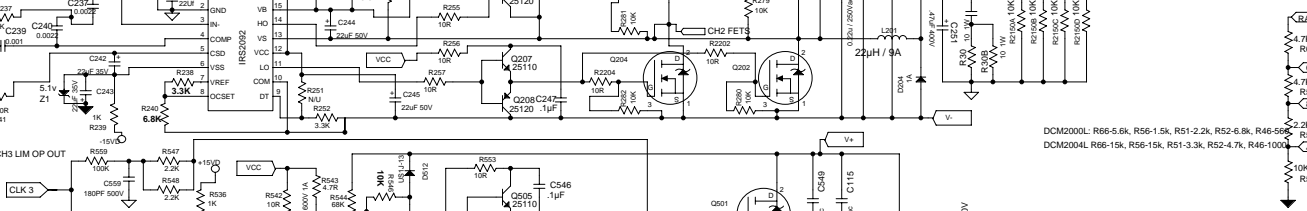
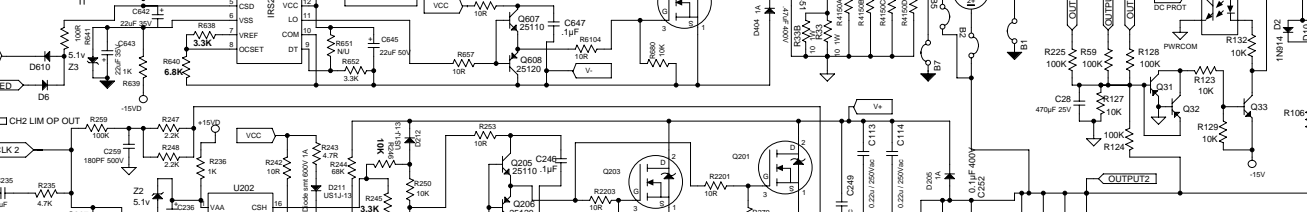
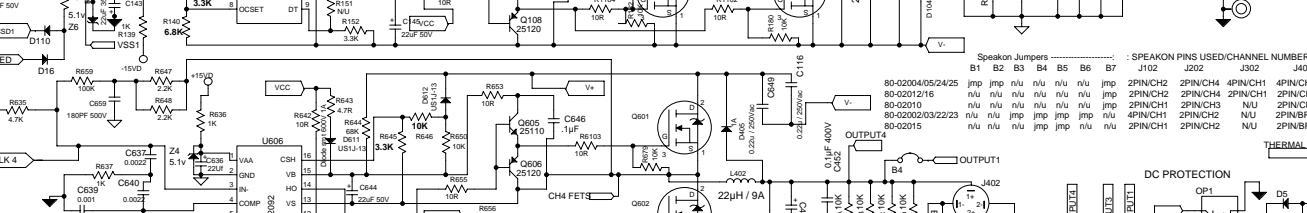
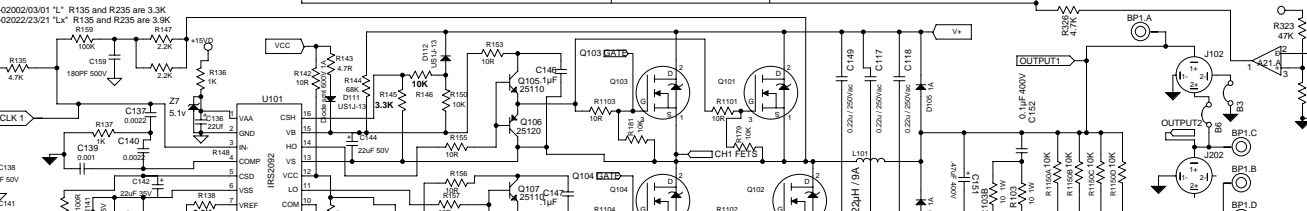
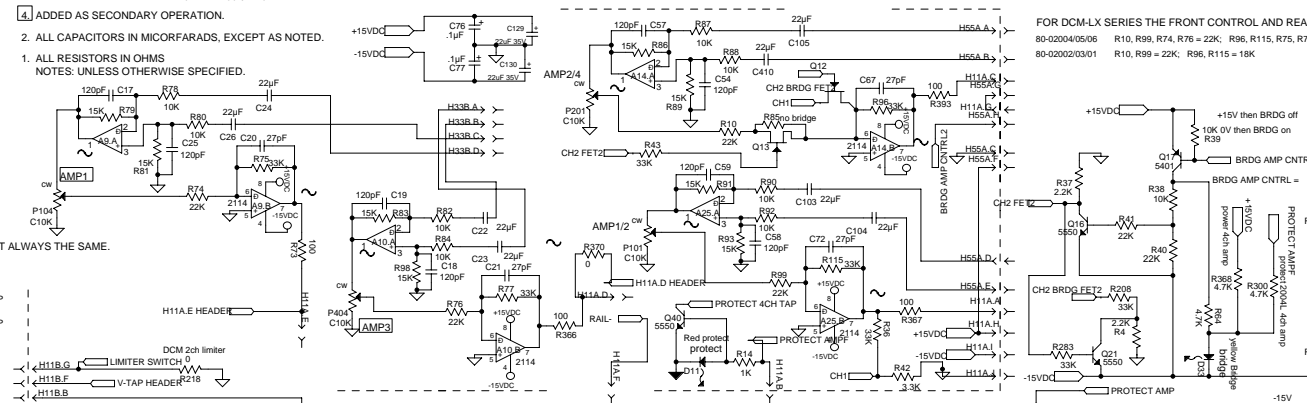
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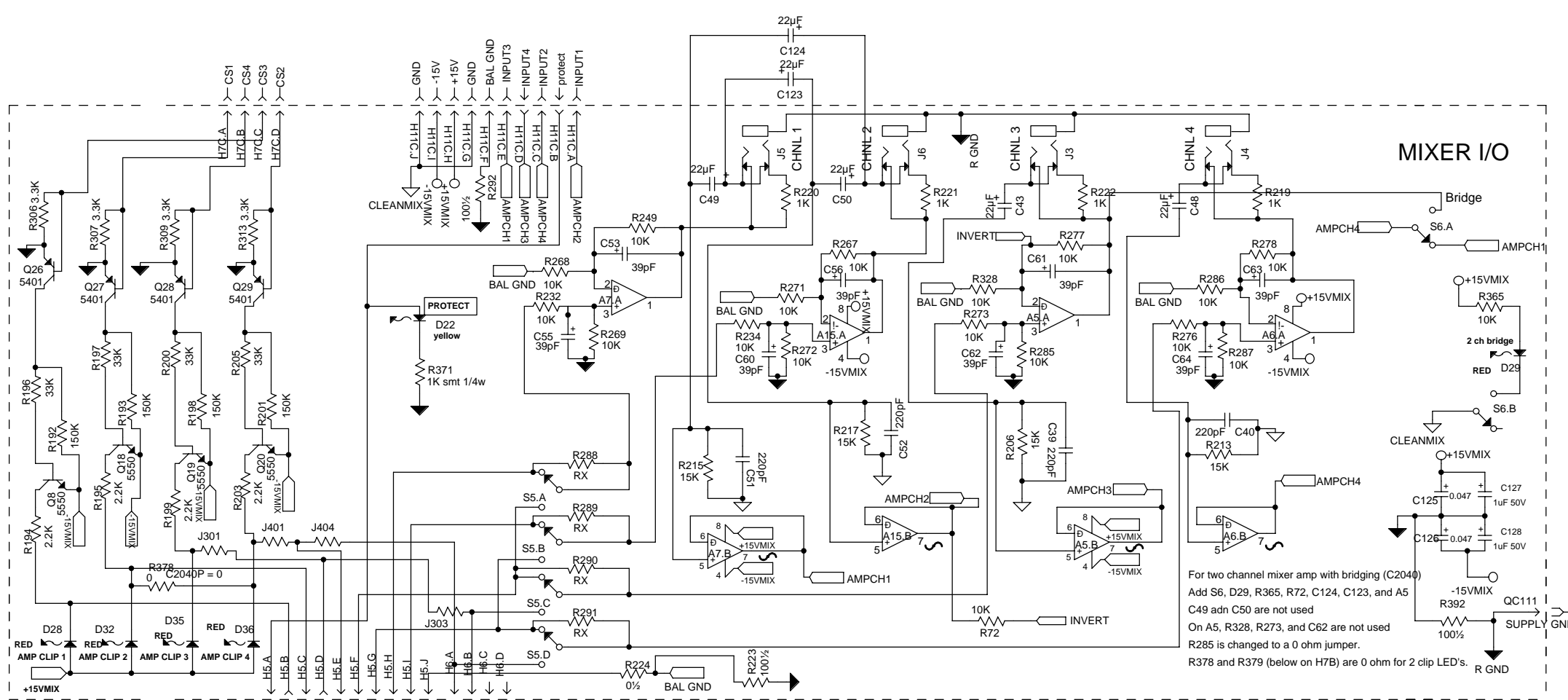
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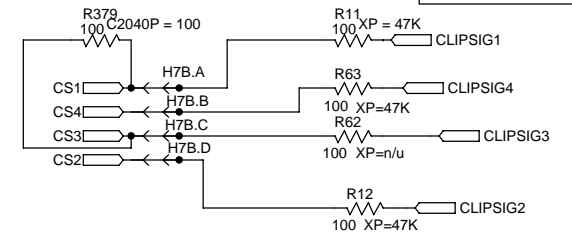
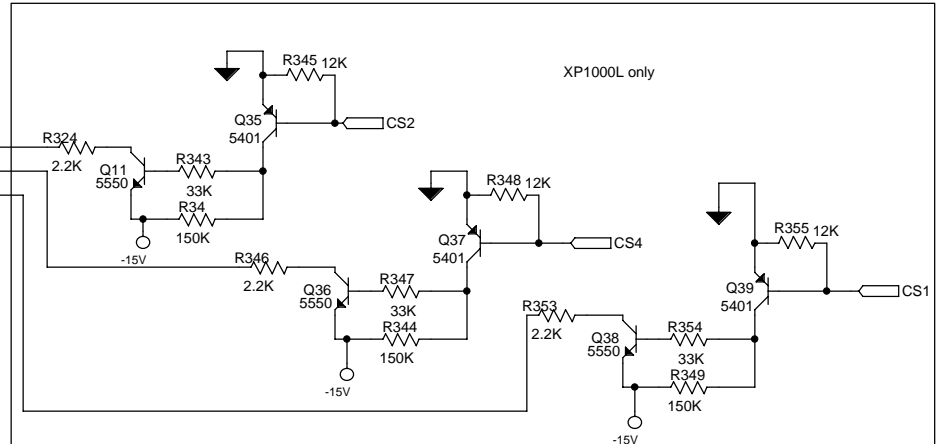
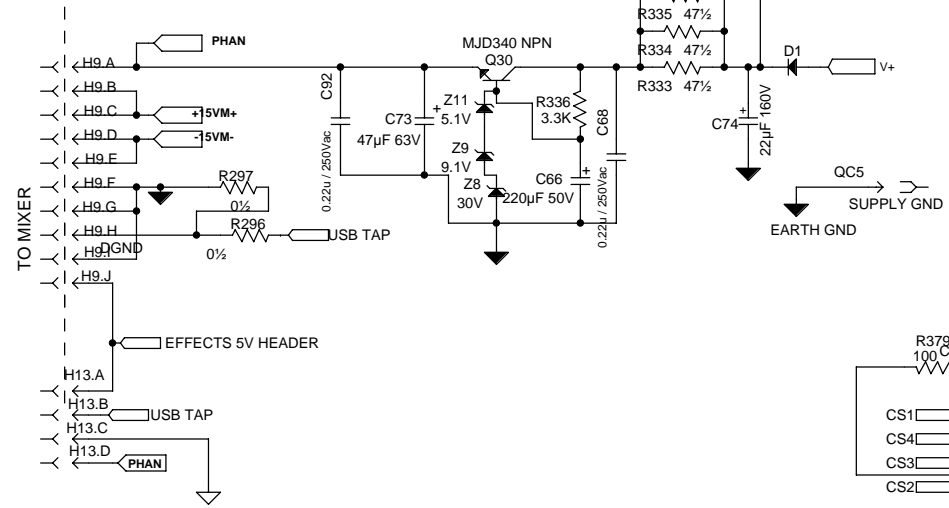
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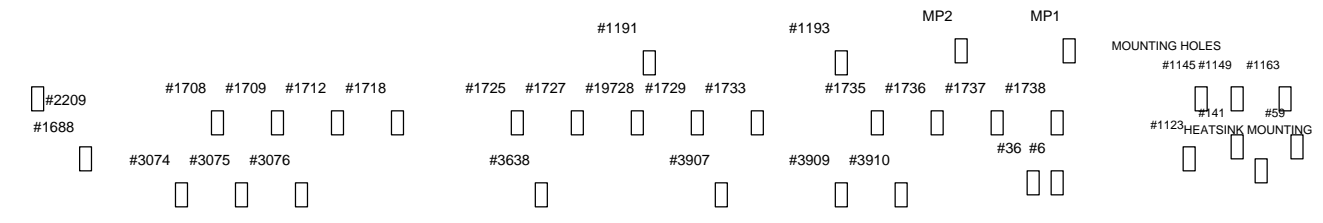


**C and RX MIXER POWER SUPPLY**



- PCB CHANGES FROM REV F TO REV G
1. ADD 1UF CAPACITORS TO VCC PIN ON EACH AMP.
  2. CORRECT GERBER ERROR ON J201 PIN 2.
  3. SMT FET BYPASS CAPS.

Jumpers on 5V and USB 5V:  
 DCMLX series: parallel R364 with



TO TRANSFORMER