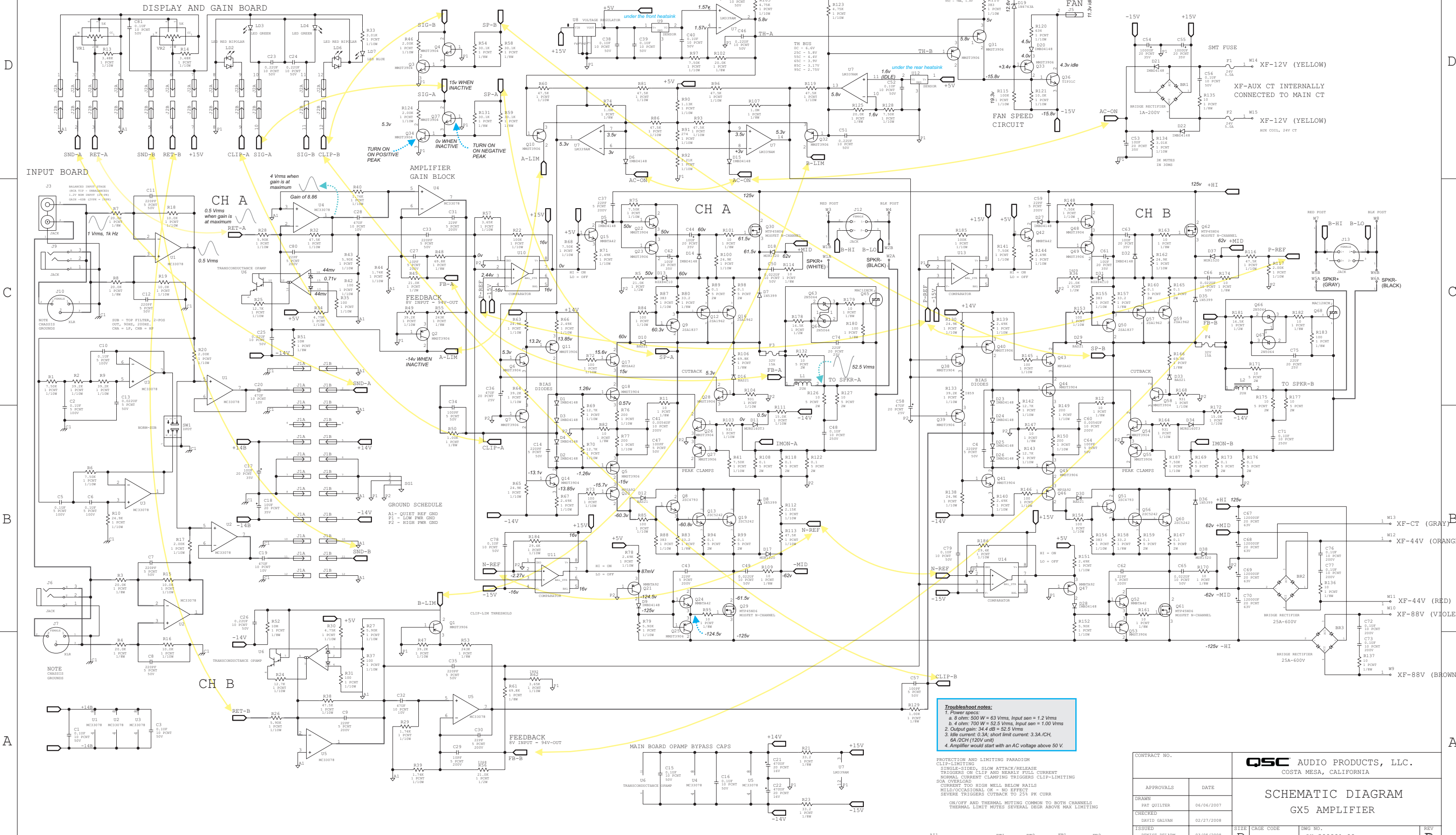


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| REVISIONS | | | | |
|--|----------------------------------|-----------|-----|---------------|
| REV | DESCRIPTION | EFF. DATE | CHK | APPROVED/DATE |
| B | PRODUCTION RELEASED PER ECO 8550 | 03/15/08 | RAB | DD |
| EMITTER RESISTORS HAVE NEW PART NUMBER | | | | |
| UPDATED GAIN POTS AND SPEAKERS | | | | |



Troubleshoot notes:

1. Power specs:
 - a. 8 ohm: 500 W = 63 Vrms, Input sen = 1.2 Vrms
 - b. 4 ohm: 700 W = 52.5 Vrms, Input sen = 1.00 Vrms
2. Output gain: 34.4 dB = 52.5 Vrms
3. Idle current: 0.5A; short limit current: 3.3A/CH, 6A/2CH (120V unit)
4. Amplifier will start with an AC voltage above 50 V.

PROTECTION AND LIMITING PARADIGM
 CLIP-LIMITING, SLOW ATTACK/RELEASE
 TRIGGERS ON CLIP AND NEARLY FULL CURRENT
 NORMAL CURRENT CLAMPING TRIGGERS CLIP-LIMITING
 SOA OVERLOAD
 CURRENT TOO HIGH WELL BELOW RAILS
 MILD/OCCASIONAL OK - NO EFFECT
 SEVERE TRIGGERS CUTBACK TO 25% PK CURR

ON/OFF AND THERMAL MUTING COMMON TO BOTH CHANNELS
 THERMAL LIMIT MUTES SEVERAL DEGR ABOVE MAX LIMITING

| | | | | |
|-------------------------|------------|---|------------------------------------|-------------------------|
| CONTRACT NO. | | QSC AUDIO PRODUCTS, LLC. COSTA MESA, CALIFORNIA | | |
| APPROVALS | DATE | SCHEMATIC DIAGRAM | | |
| DRAWN PAT QUILLER | 06/06/2007 | GX5 AMPLIFIER | | |
| CHECKED DAVID GALVAN | 02/27/2008 | SIZE D | CAGE CODE 00PW4 | DWG NO. SH-300001-00 |
| ISSUED DENISE DELARM | 03/05/2008 | REV B | | |
| SEED FILE NO. G3.SCH | PLOT DATE: | SCALE NONE | CAD FILE NO. AR-300001-00-B.RIP | SHEET 1 OF 1 |

NOTES: UNLESS OTHERWISE SPECIFIED

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| A11 | R11 | BT1 | BT2 | FB1 | FB2 |
|-----|-----|-----|-----|-----|-----|