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| REVISION |   |           |     |                 |
|----------|---|-----------|-----|-----------------|
| REV      | DESCRIPTION                                     | EFF. DATE | CHK | APPROVED / DATE |
| 1        | PROTOTYPE RELEASE. SA.                          | 9-23-00   |     |                 |
| 2        | CLEAN UP NOTES, ADDED TOLERANCE TO COG PARTS AA | 2-21-01   |     |                 |
|          |   |           |     |                 |
|          |   |           |     |                 |
|          |   |           |     |                 |

- 8. ZENER TOLERANCE IS 5%
- 7. SMT CAPACITOR VOLTAGE IS 50V
- 6. SMT RESISTOR WATTAGE RATING IS 0.1W
- 5. RESISTOR WATTAGE RATING IS 1/4W  
FOR RESISTOR WATTAGE RATINGS GREATER THAN 1W, TOLERANCE IS 5%  
FOR RESISTOR WATTAGE RATINGS LESS THAN 1/2W, TOLERANCE IS 1%
- 4. THROUGH-HOLE FILM AND CERAMIC CAPACITOR TOLERANCE IS 10%, VOLTAGE IS 100V
- 3. ELECTROLYTIC CAPACITOR TOLERANCE IS 20%
- 5. J104, J204 ARE CONNECTED PIN TO PIN BY 13-LINE RIBBON CABLE.
- 4 PART NUMBERING SCHEME  
PARTS IN COMMON TO BOTH CH: 1-99. CH 1 PARTS 100-199. CH 2 PARTS 200-299
- 3. COMPONENTS MARKED WITH  $\Delta$  ARE SAFETY CRITICAL PARTS.
- 2. COMPONENTS WITH VALUE PREFIXED WITH A "\*" REPRESENT SMT COMPONENTS.
- 1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-004501-00

NOTES: UNLESS OTHERWISE SPECIFIED

| QTY  | ITEM NO. | PART NO. | DESCRIPTION                    | VENDOR                    |
|--|----------|----------|--------------------------------|---------------------------|
| <b>PARTS LIST</b>  |          |          |                                |                           |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>DIMENSIONS PER ANSI Y14.5-1982<br>TOLERANCES ARE:<br>DECIMALS    DECIMALS    ANGLES<br>.XX ±        .XXX ±        0 |          |          | CONTRACT NO.                   |                           |
| DRAWN<br>PAT QUILTER   |          |          | APPROVALS                      | DATE                      |
| CHECKED  |          |          | 2-25-00                        |                           |
| ISSUED   |          |          | SCALE NONE                     |                           |
| CAD SEED FILE NO.  |          |          | PLOT DATE:<br>Mon Mar 19, 2001 | CAD FILE NO. Sh5001r2.sch |
| APPLICATION  |          |          | DO NOT SCALE DRAWING           |                           |

**QSC AUDIO PRODUCTS, INC.**  
COSTA MESA, CALIFORNIA

**SCHEMATIC DIAGRAM**  
**ISA-500T**

SIZE **D**    FSCM NO.    DWG NO. **SH-005001-00**    REV **2**

PLOT DATE: Mon Mar 19, 2001    SHEET 1 OF 4

2 SH-005001-00

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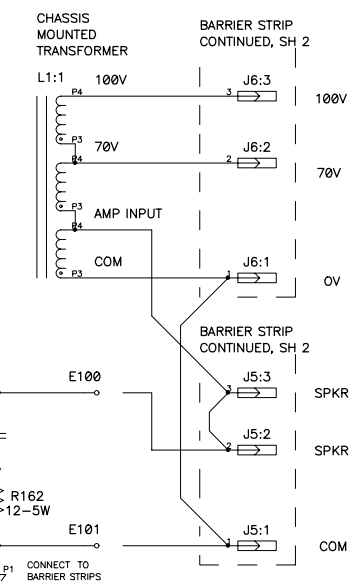
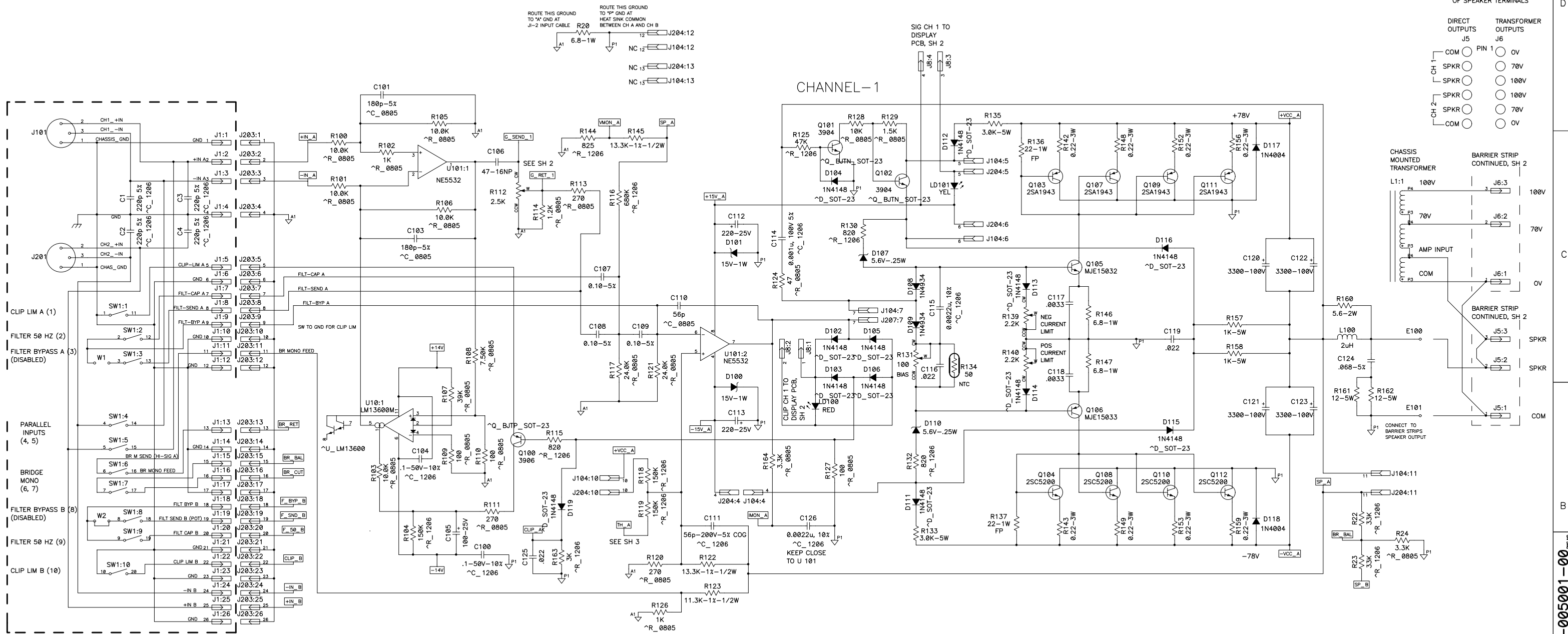
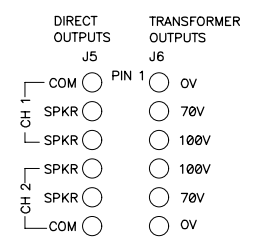
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REFERENCE DRAWING OF SPEAKER TERMINALS



NOTES: UNLESS OTHERWISE SPECIFIED

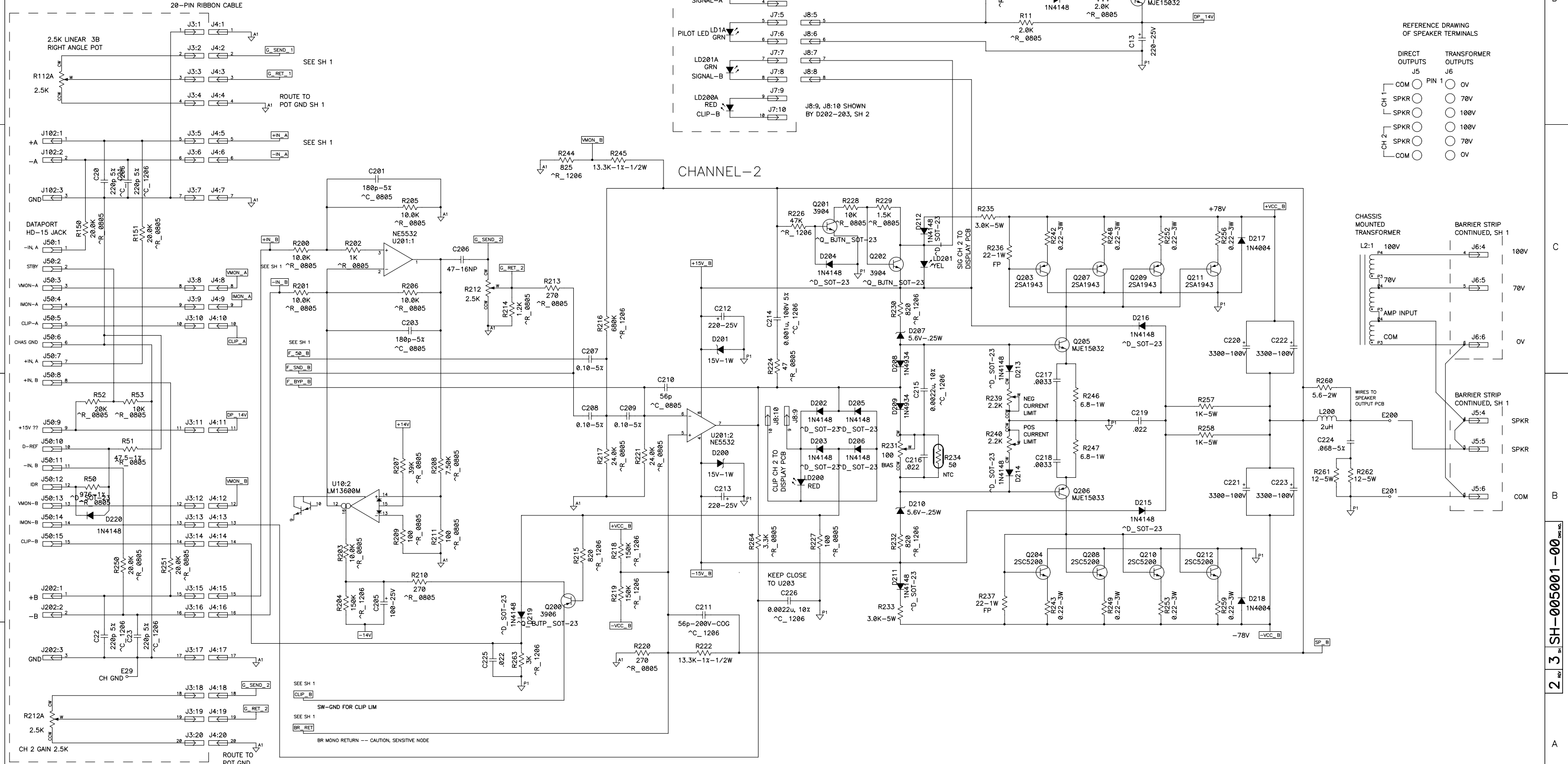
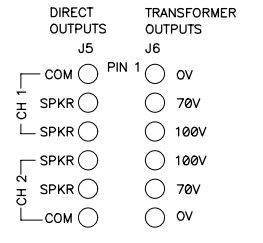
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|-----------------------------|----------|---------------------------|--------------|
| SIZE                        | FSCM NO. | DWG NO.                   | REV          |
| D                           |          | SH-005001-00              | 2            |
| SCALE                       | NONE     | CAD FILE NO. Sh5001r2.sch | SHEET 2 OF 4 |
| PLOT DATE: Mon Mar 19, 2001 |          | 1                         |              |

2 SH-005001-00

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NOTE:  
THIS IS INTENDED TO CONNECT TO POS RAIL ON SAME SIDE AS DISPLAY LEADS  
SERIES REGULATOR SUPPLIES APPROX 40MA TO HD-15 PORT

REFERENCE DRAWING OF SPEAKER TERMINALS



NOTES: UNLESS OTHERWISE SPECIFIED

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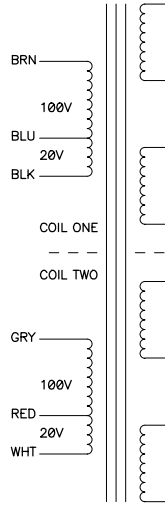
AC VOLTAGE PROGRAMMING TERMINALS

AC INPUT, HIGH (ALL)

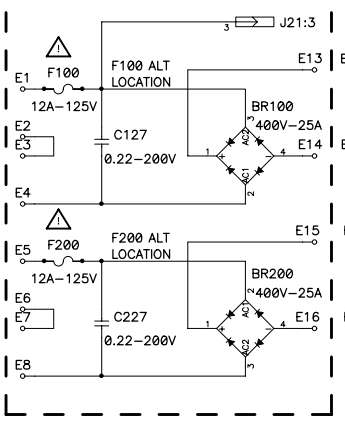
| 100V | 120V | 240V |
|------|------|------|
| BRN  | BRN  | BRN  |
| GRY  | GRY  | -    |
| BLK  | BLU  | BLU  |
| -    | -    | BLK  |
| -    | -    | GRY  |
| WHT  | RED  | RED  |
| BLU  | BLK  | -    |
| RED  | WHT  | WHT  |

AC INPUT, LOW (ALL)

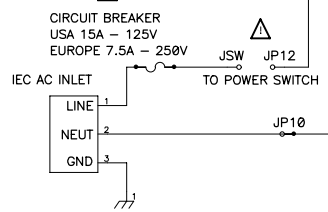
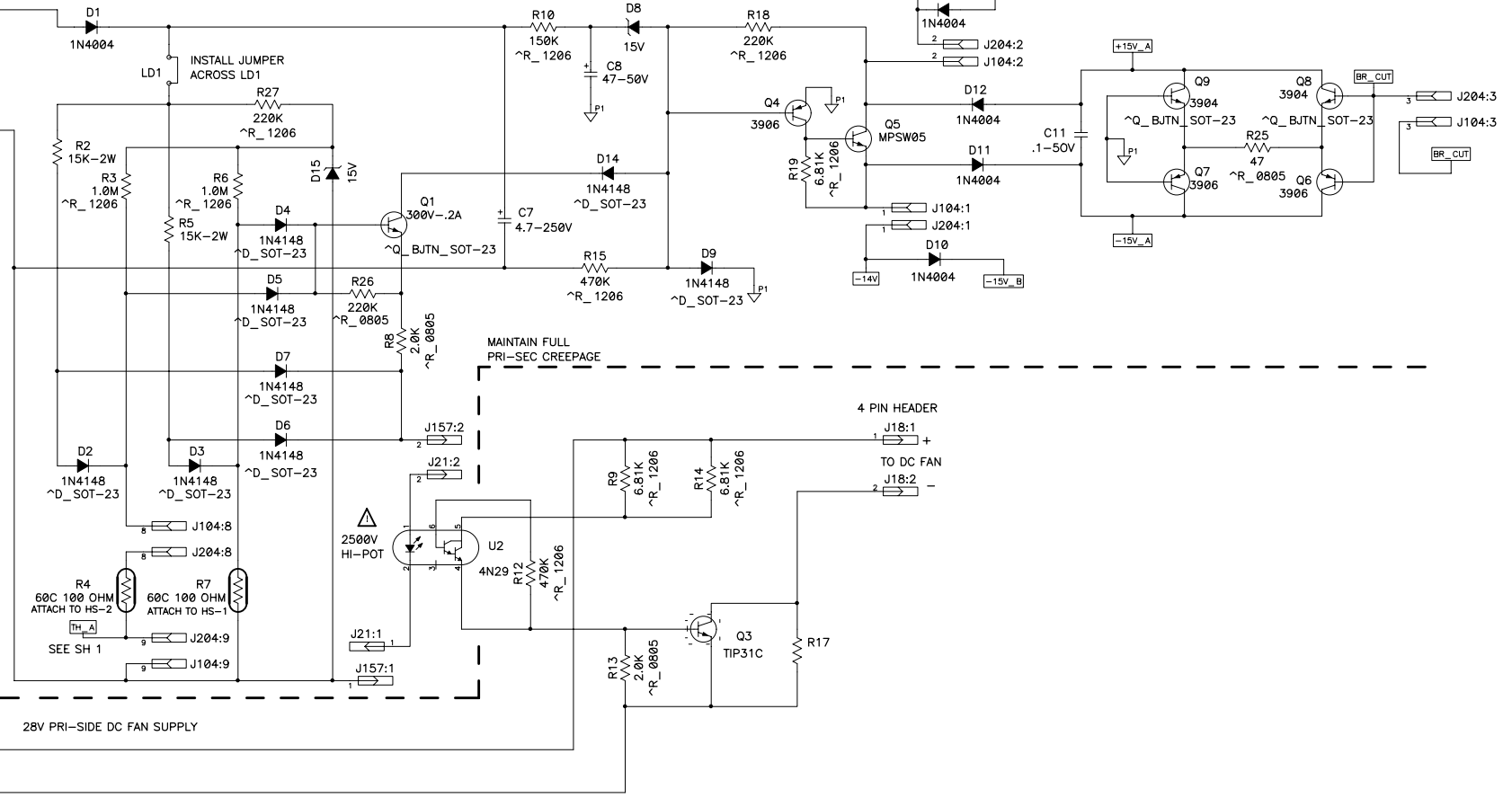
U-1 CORE POWER TRANSFORMER  
NOTE SPLIT SECONDARY WIRING FROM EACH LEG TO EACH CHANNEL



RECTIFIERS BR100, 200 AND C127-227 ARE LOCATED OFF THE MAIN PCB, MOUNTED TO CHASSIS.



MUTING AND THERMAL PROTECTION.



20 VAC TO FAN POWER RECTIFIER

MAINTAIN FULL PRI-SEC CREEPAGE

28V PRI-SIDE DC FAN SUPPLY

NOTES: UNLESS OTHERWISE SPECIFIED

|                             |                           |                      |       |
|-----------------------------|---------------------------|----------------------|-------|
| SIZE D                      | FSCM NO.                  | DWG NO. SH-005001-00 | REV 2 |
| SCALE NONE                  | CAD FILE NO. Sh5001r2.sch | SHEET 4 OF 4         |       |
| PLOT DATE: Mon Mar 19, 2001 |                           |                      |       |

2 4 SH-005001-00

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| REVISION |                                    |           |     |                 |
|----------|------------------------------------|-----------|-----|-----------------|
| REV      | DESCRIPTION                        | EFF. DATE | CHK | APPROVED / DATE |
| A        | PRODUCTION RELEASE PER ECO 5586 AA | 9-12-03   |     | DD              |
| B        | REVISED PER ECO 7282 AA            | 6-23-06   |     | DD              |
|          |                                    |           |     |                 |
|          |                                    |           |     |                 |
|          |                                    |           |     |                 |

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- 11. ZENER TOLERANCE IS 5%
- 10. SMT CAPACITOR VOLTAGE IS 50V
- 9. SMT RESISTOR WATTAGE RATING IS 0.1W
- 8. RESISTOR WATTAGE RATING IS 1/4W  
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- 1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-000526-00

NOTES: UNLESS OTHERWISE SPECIFIED

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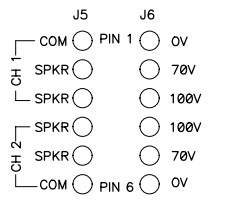
1

1 SH-000526-00 Rev. B

| QTY   | ITEM NO. | PART NO.                    | DESCRIPTION | VENDOR  |
|---|----------|-----------------------------|-------------|---|
| <b>PARTS LIST</b>   |          |                             |             |   |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.5-1982 TOLERANCES ARE:<br>DECIMALS    DECIMALS    ANGLES<br>.XX ±        .XXX ±        0 |          | CONTRACT NO.                |             | <b>QSC AUDIO PRODUCTS, INC.</b><br>COSTA MESA, CALIFORNIA |
| DRAWN PAT QUILTER   |          | APPROVALS                   | DATE        |   |
| CHECKED R. BECKER   |          | 2-25-00                     |             |   |
| ISSUED  |          | 9-12-03                     |             |   |
| MATERIAL  |          | CAD SEED FILE NO.           |             | <b>SCH-000526-00</b>                                      |
| FINISH  |          | PLOT DATE: Mon Mar 05, 2007 | SCALE NONE  |   |
| DO NOT SCALE DRAWING  |          | DWG NO. SH-000526-00        |             | REV B   |
|   |          | PLOT DATE: Mon Mar 05, 2007 |             | SHEET 1 OF 4  |

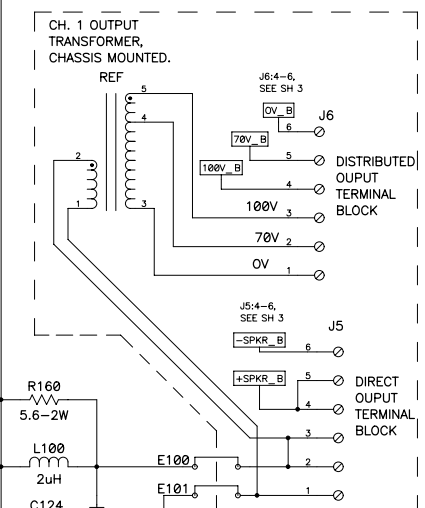
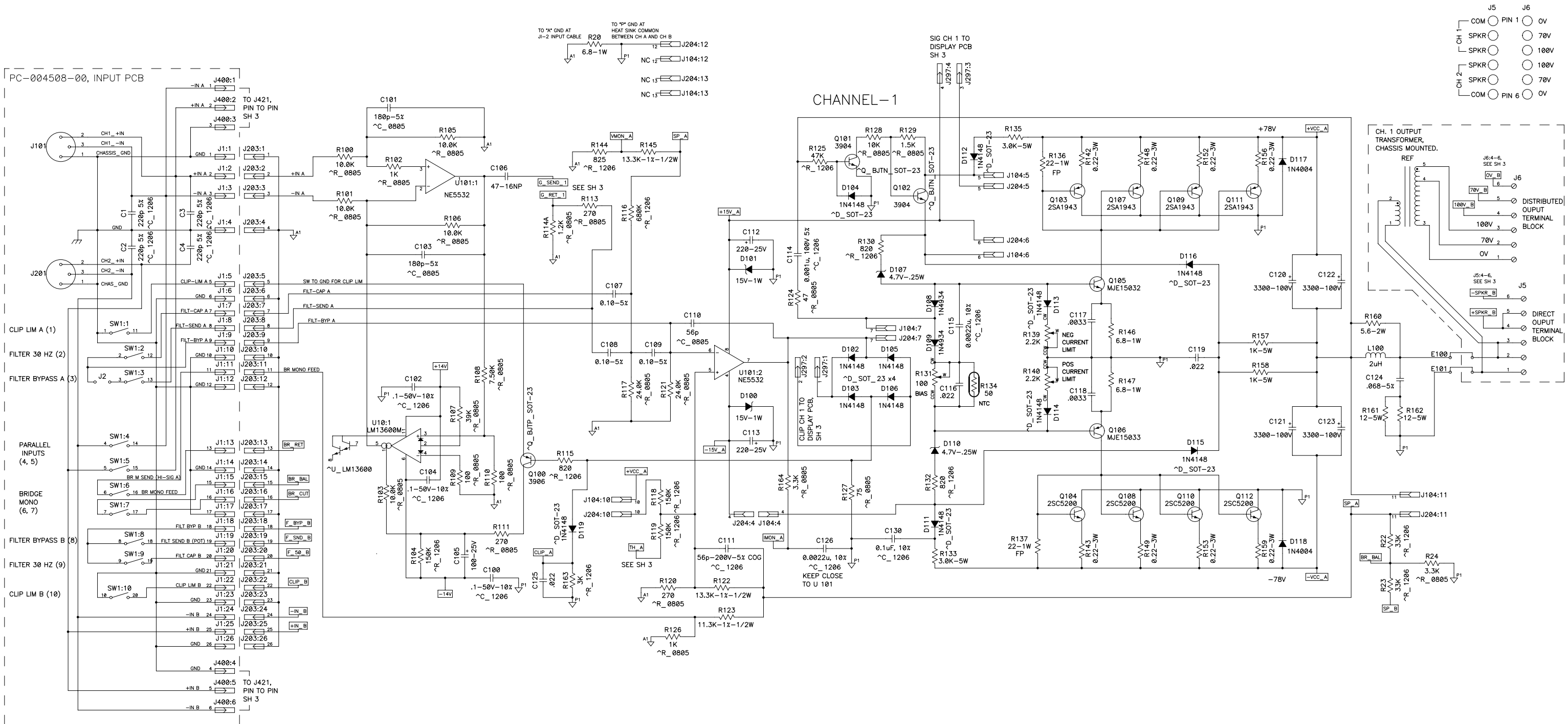
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REF DWG OF TERMINAL BLOCK CONFIGURATION.



PC-004508-00, INPUT PCB

CHANNEL-1

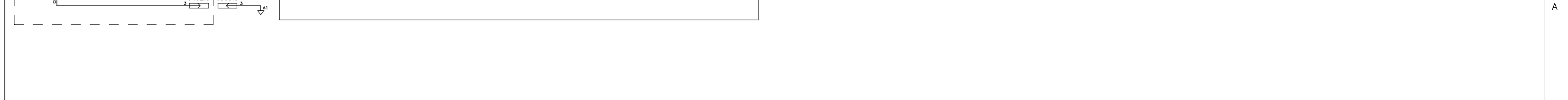
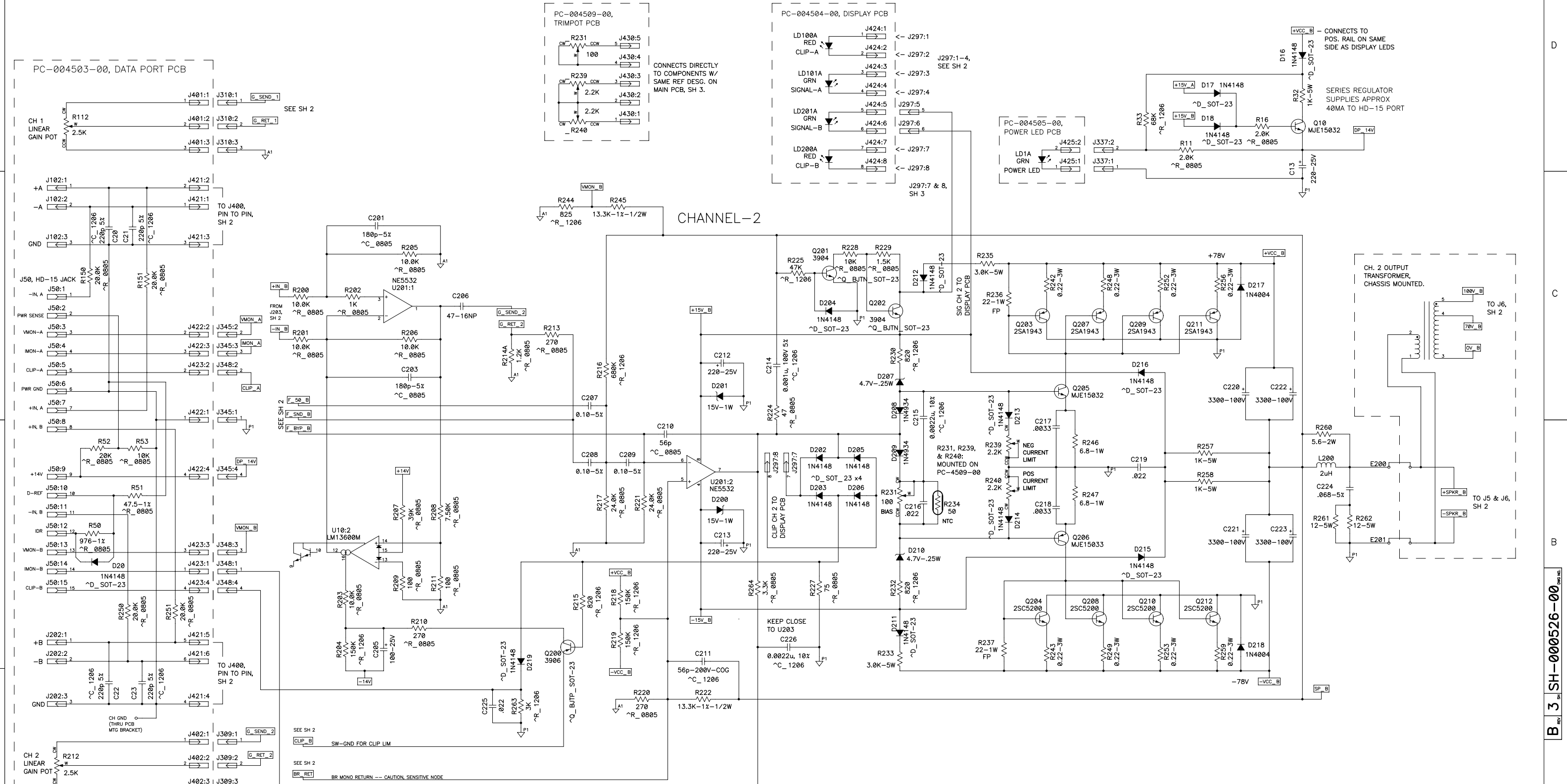


NOTES: UNLESS OTHERWISE SPECIFIED

|            |          |                              |              |
|------------|----------|------------------------------|--------------|
| SIZE       | FSCM NO. | DWG NO.                      | REV          |
| D          |          | SH-000526-00                 | B            |
| SCALE      | NONE     | CAD FILE NO. SH-000526-B.SCH | SHEET 2 OF 4 |
| PLOT DATE: |          | Mon Mar 05, 2007             | 1            |

B SH-000526-00

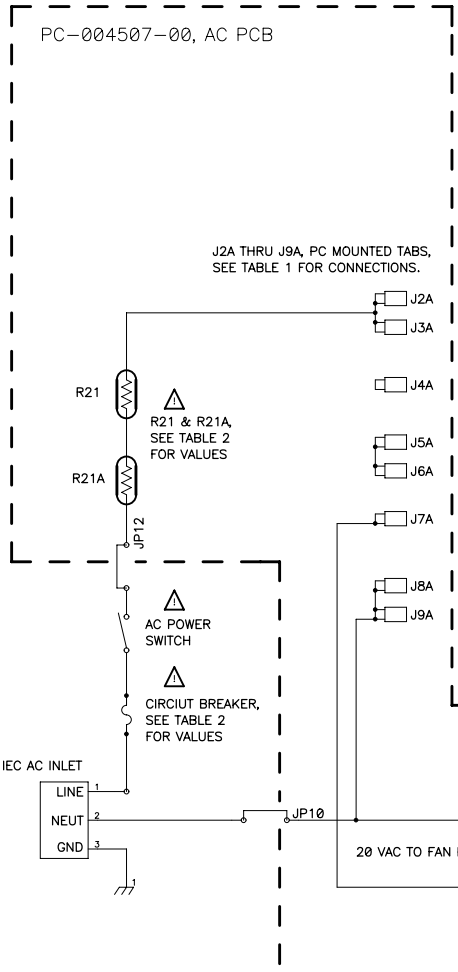
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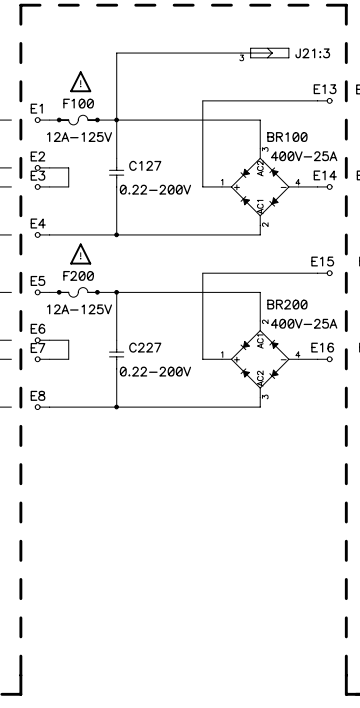
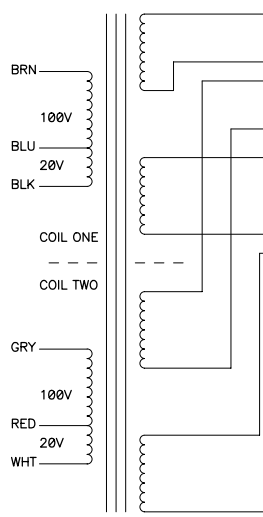
NOTES: UNLESS OTHERWISE SPECIFIED

|       |          |                              |              |
|-------|----------|------------------------------|--------------|
| SIZE  | FSCM NO. | DWG NO.                      | REV          |
| D     |          | SH-000526-00                 | B            |
| SCALE | NONE     | CAD FILE NO. SH-000526-B.SCH | SHEET 3 OF 4 |
|       |          | PLOT DATE: Mon Mar 05, 2007  | 1            |

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U-1 CORE POWER TRANSFORMER  
NOTE SPLIT SECONDARY WIRING FROM EACH LEG TO EACH CHANNEL



MUTING AND THERMAL PROTECTION.

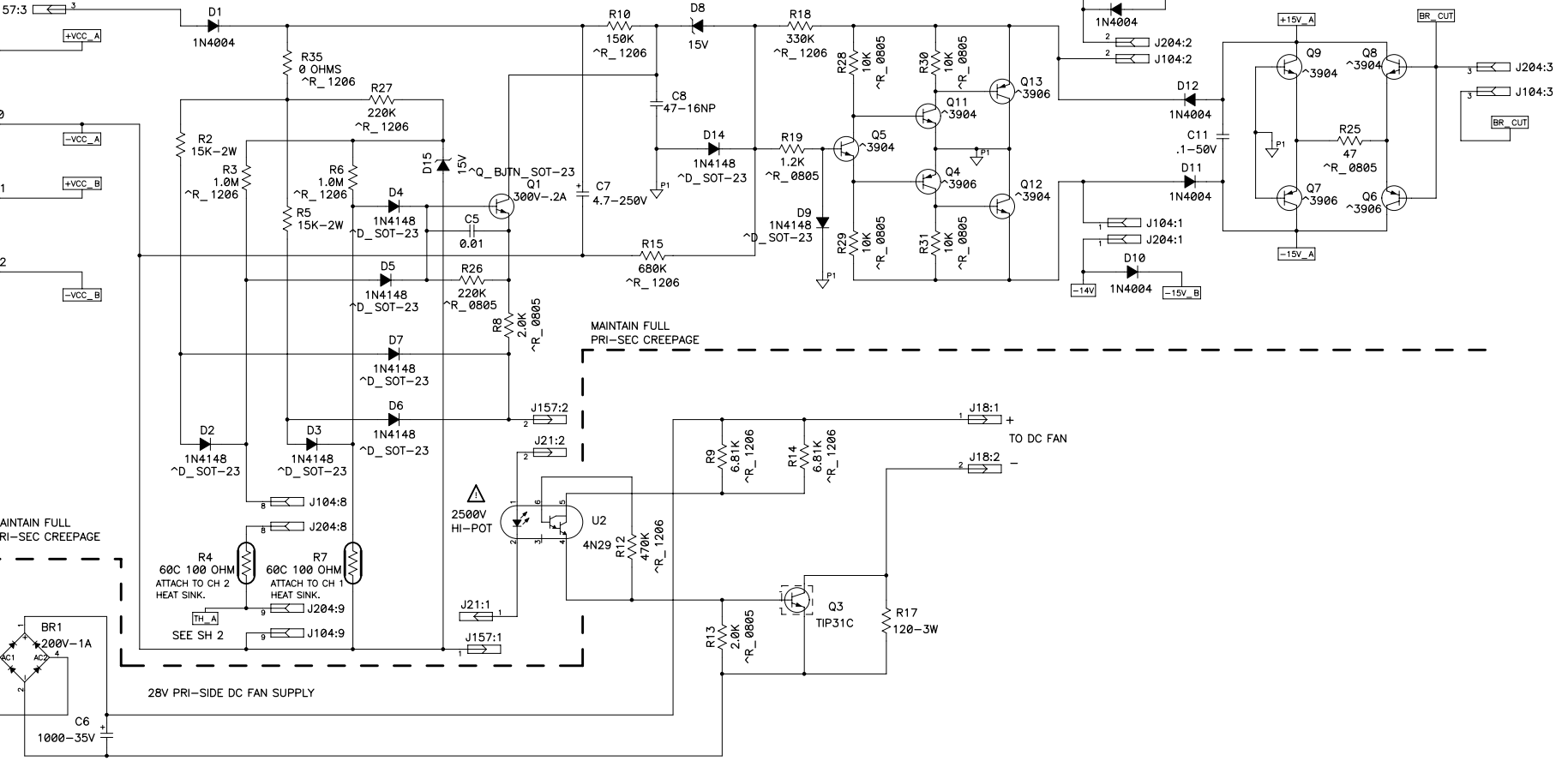


TABLE 1

| POWER TRANSFORMER PRIMARY LEAD COLOR | AC LINE VOLTAGE |      |      | TAB |
|--------------------------------------|-----------------|------|------|-----|
|                                      | 100V            | 120V | 240V |     |
| BRN                                  | BRN             | BRN  | BRN  | J2A |
| GRY                                  | GRY             | -    | -    | J3A |
| BLK                                  | BLU             | BLU  | BLU  | J4A |
| -                                    | -               | BLK  | BLK  | J5A |
| -                                    | -               | GRY  | GRY  | J6A |
| WHT                                  | RED             | RED  | RED  | J7A |
| BLU                                  | BLK             | -    | -    | J8A |
| RED                                  | WHT             | WHT  | WHT  | J9A |

TABLE 2

|                 | AC LINE VOLTAGE |                |             |
|-----------------|-----------------|----------------|-------------|
|                 | 100V            | 120V           | 240V        |
| CIRCUIT BREAKER | 15A-125V        | 15A-125V       | 7.5A-250V   |
| R21             | 1 OHM 30A       | 1 OHM 30A      | 2.5 OHM 15A |
| R21A            | 0 OHM (JUMPER)  | 0 OHM (JUMPER) | 2.5 OHM 15A |

NOTES: UNLESS OTHERWISE SPECIFIED

SH-000526-00 Rev. B