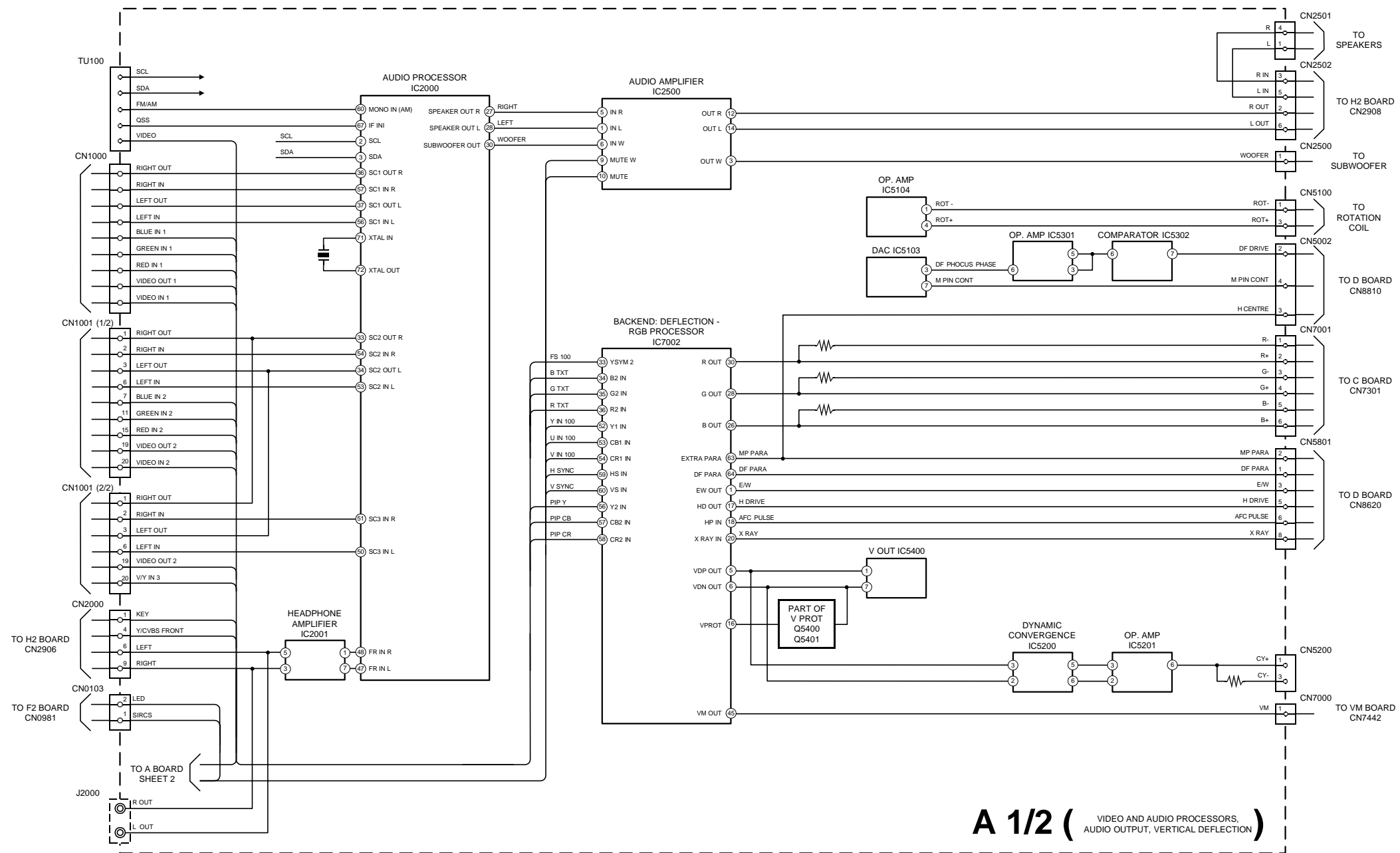
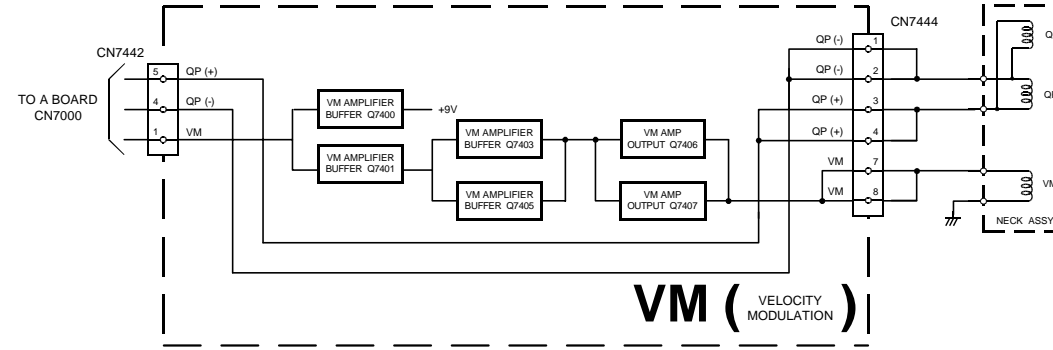
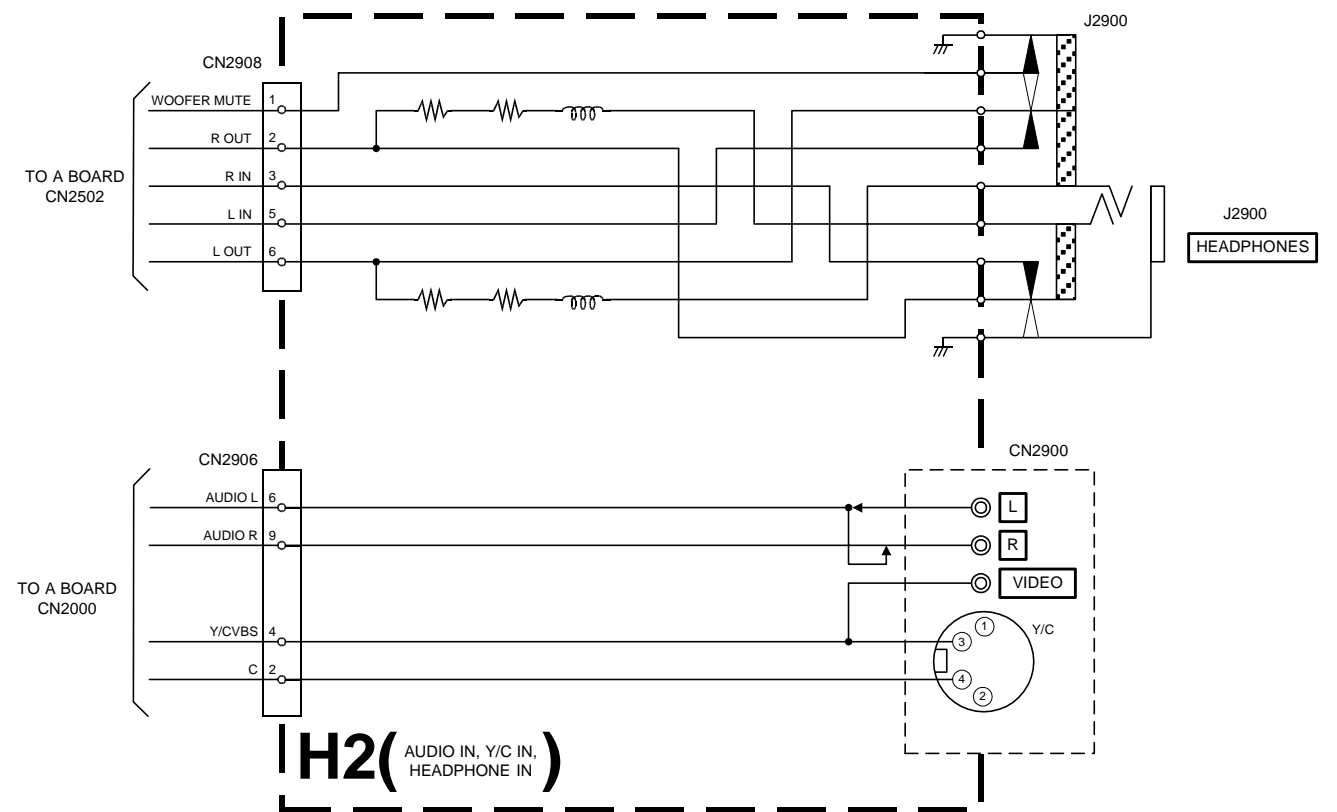
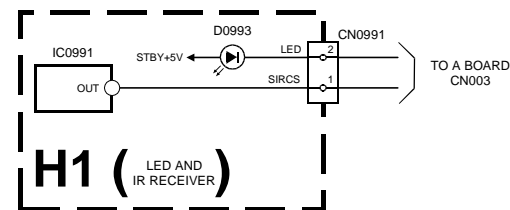
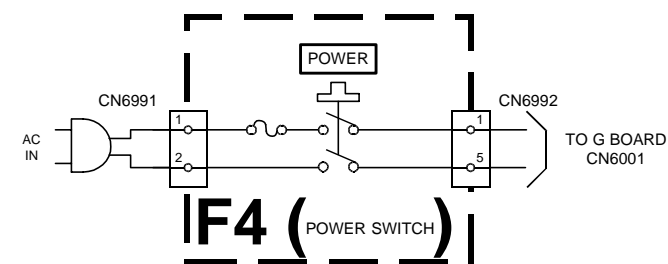
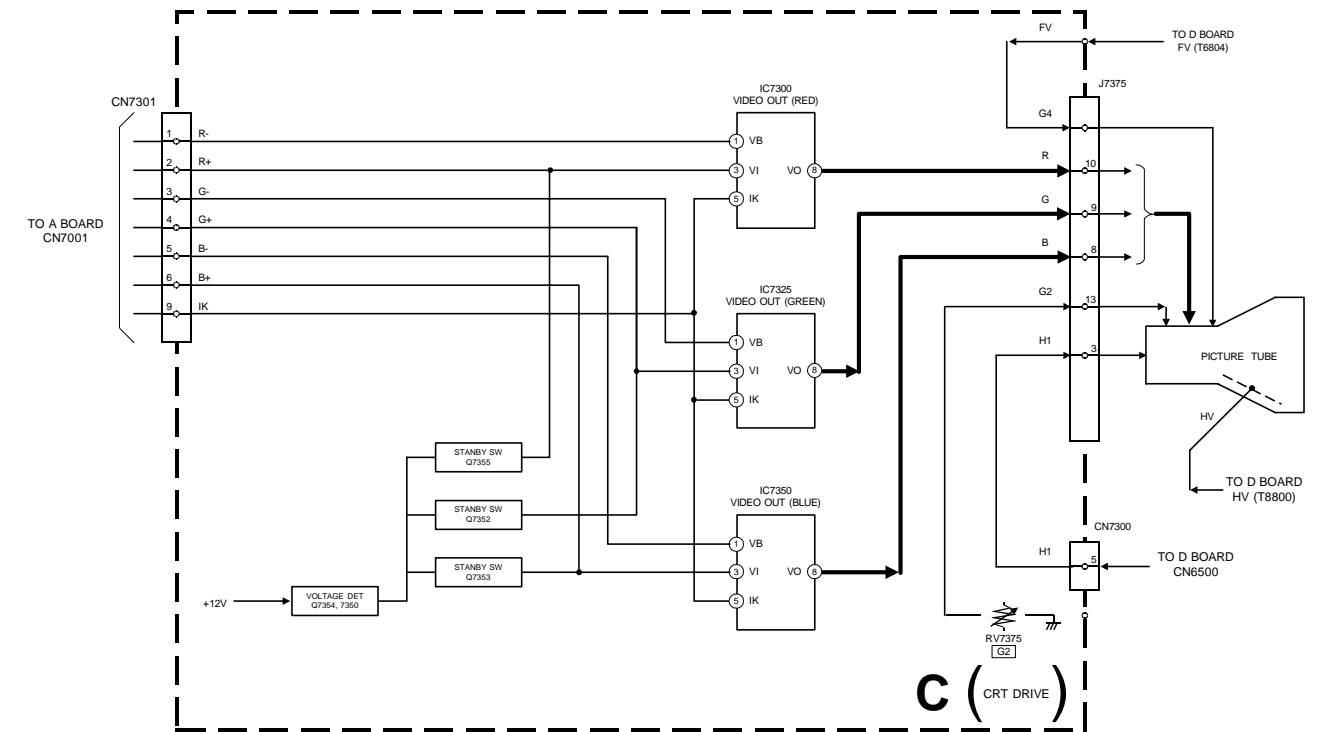
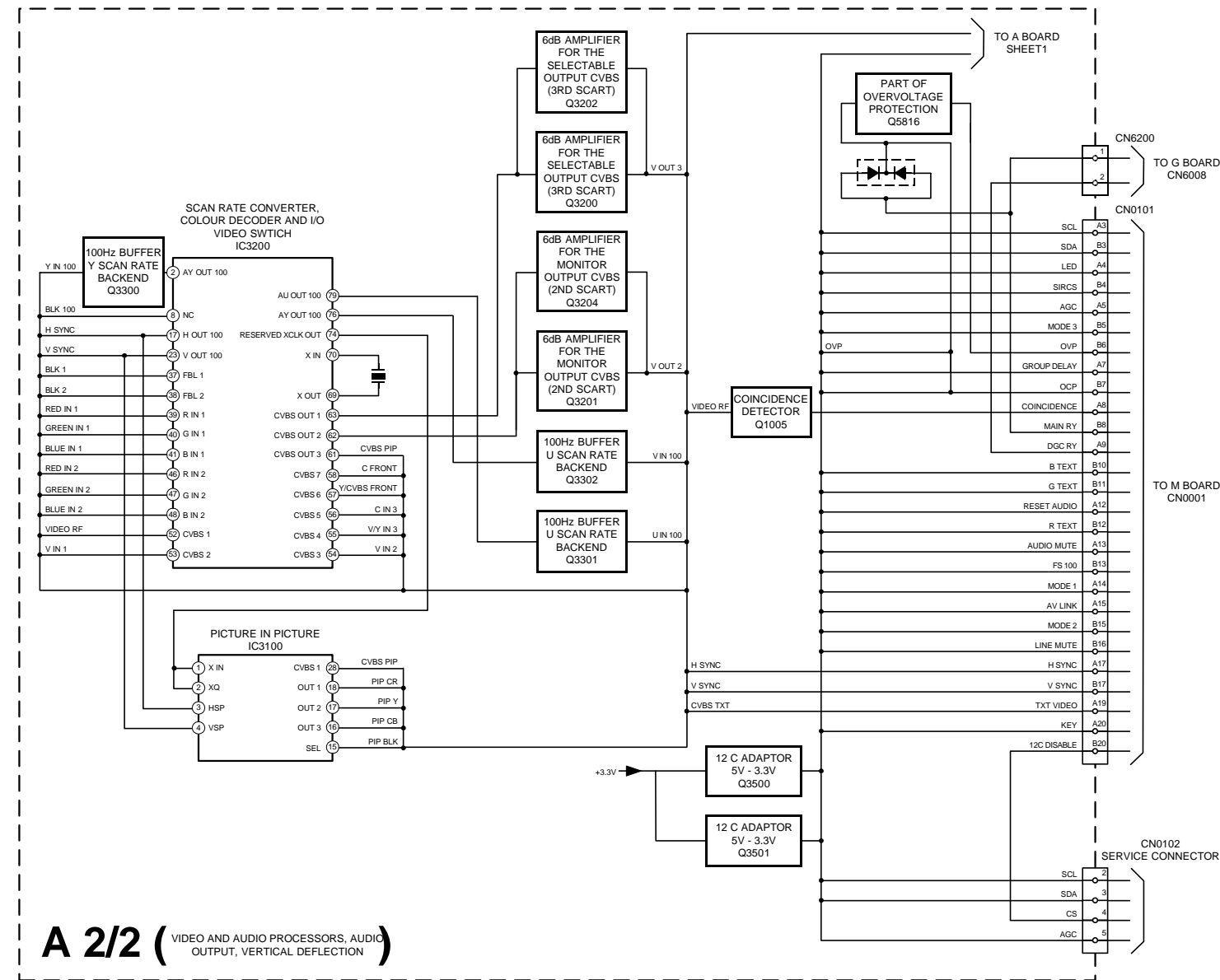


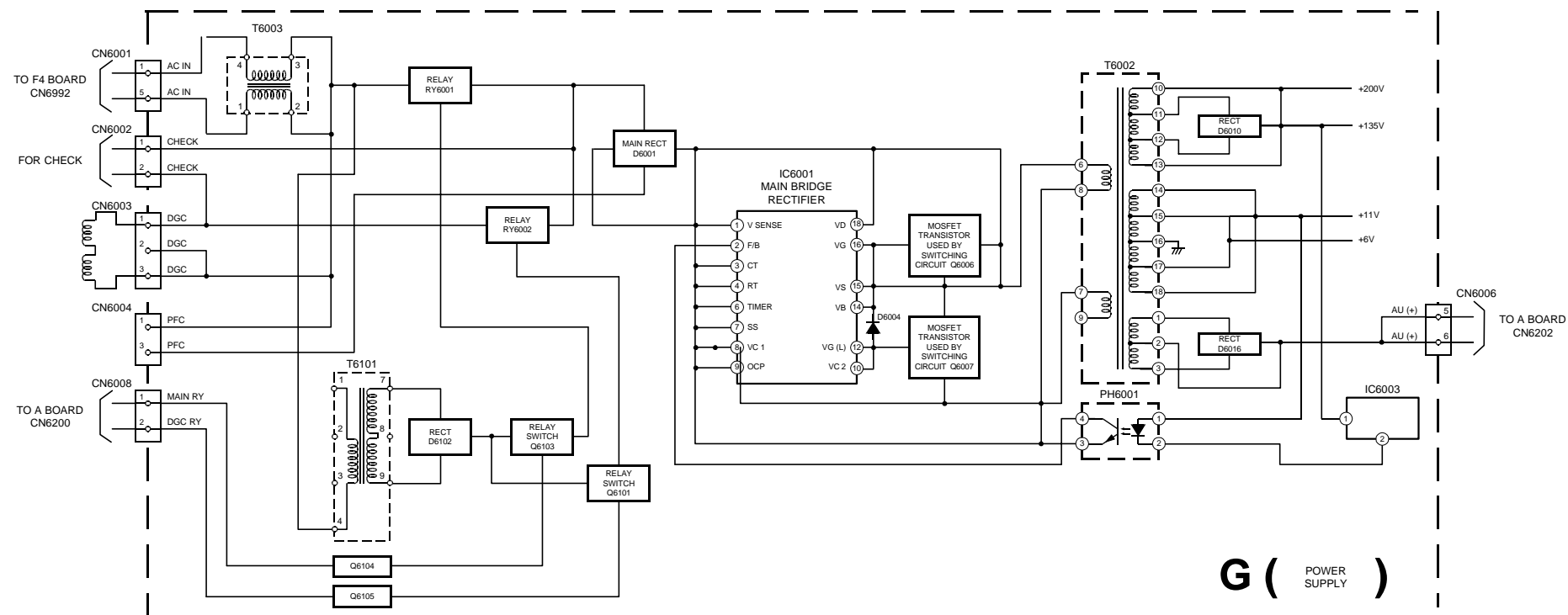
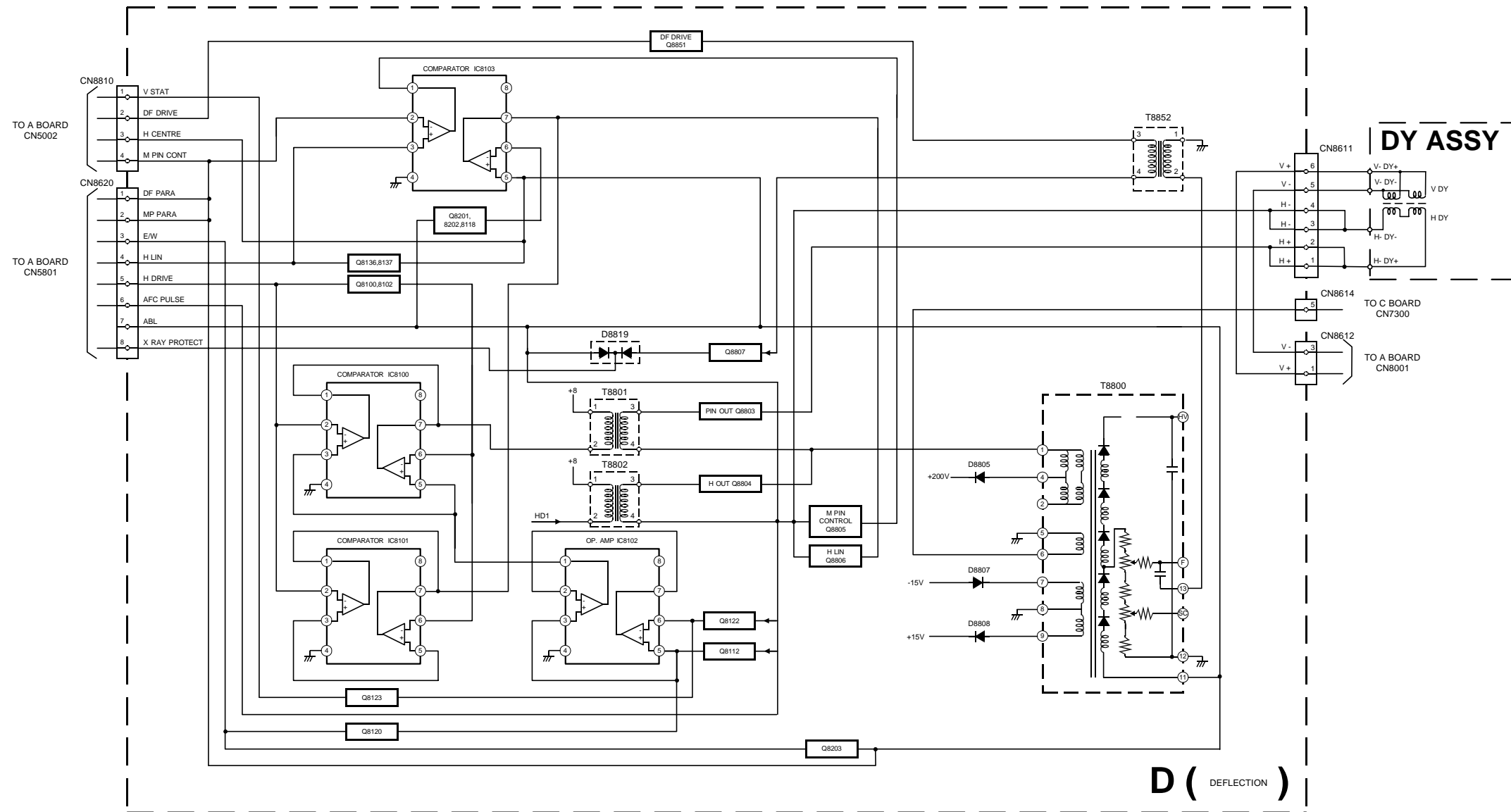
5-1. BLOCK DIAGRAMS (1)



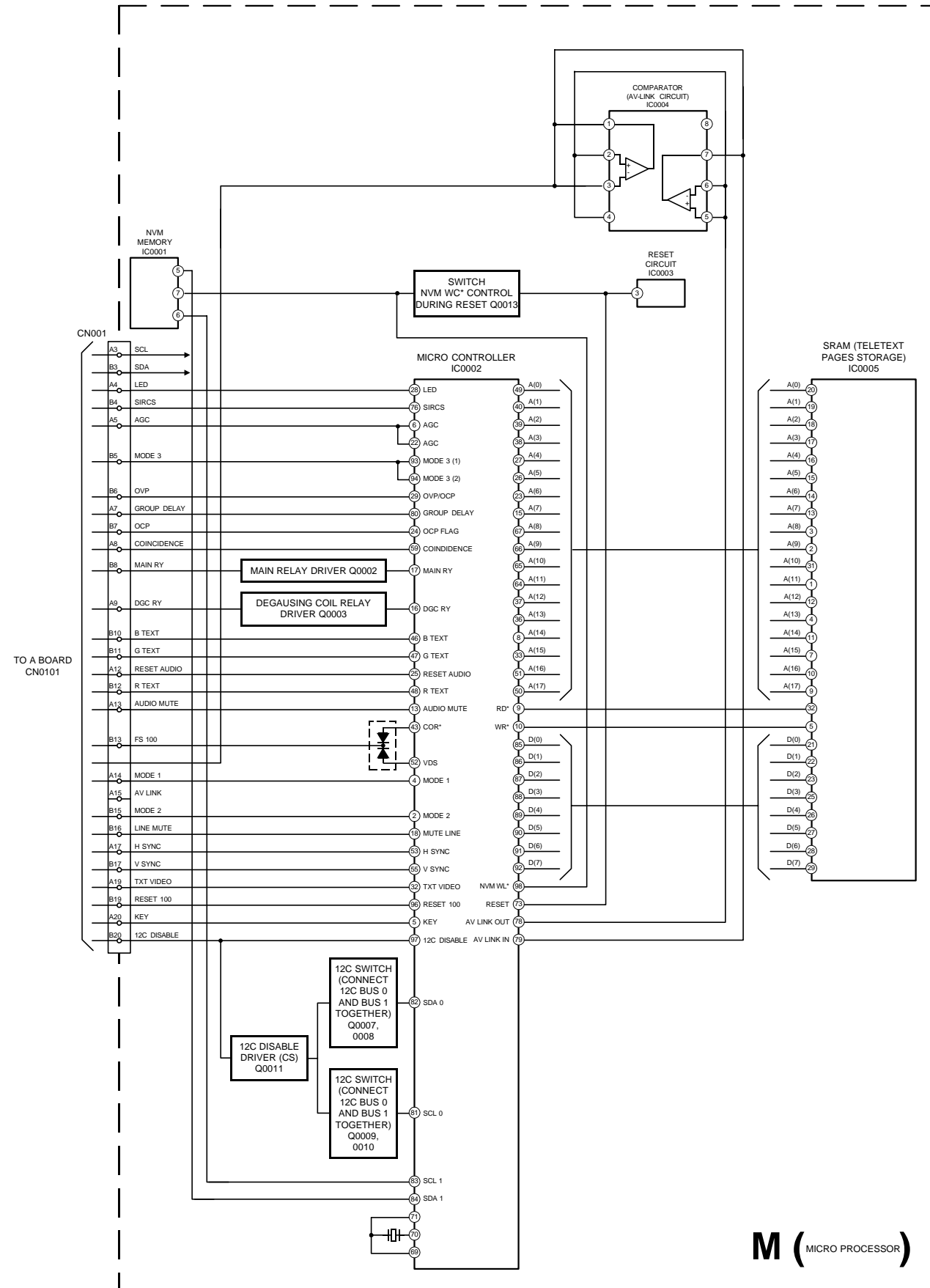
5-1. BLOCK DIAGRAMS (2)



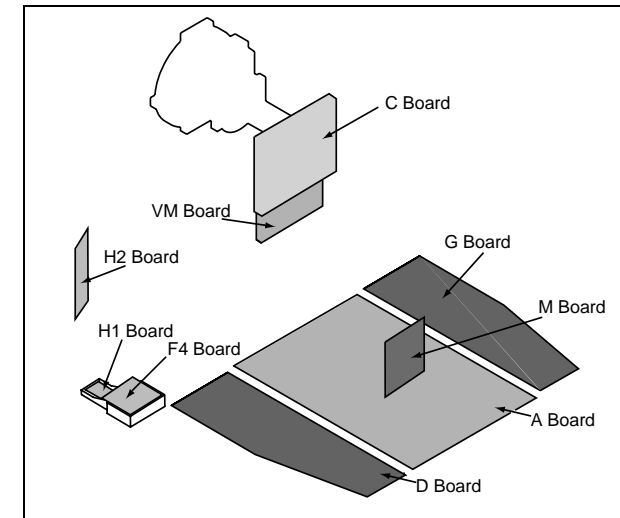
5-1. BLOCK DIAGRAMS (3)



5-1. BLOCK DIAGRAMS (4)



5-2. CIRCUIT BOARD LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in μF unless otherwise noted.
- pF : μF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Electrical power rating : 1/4W

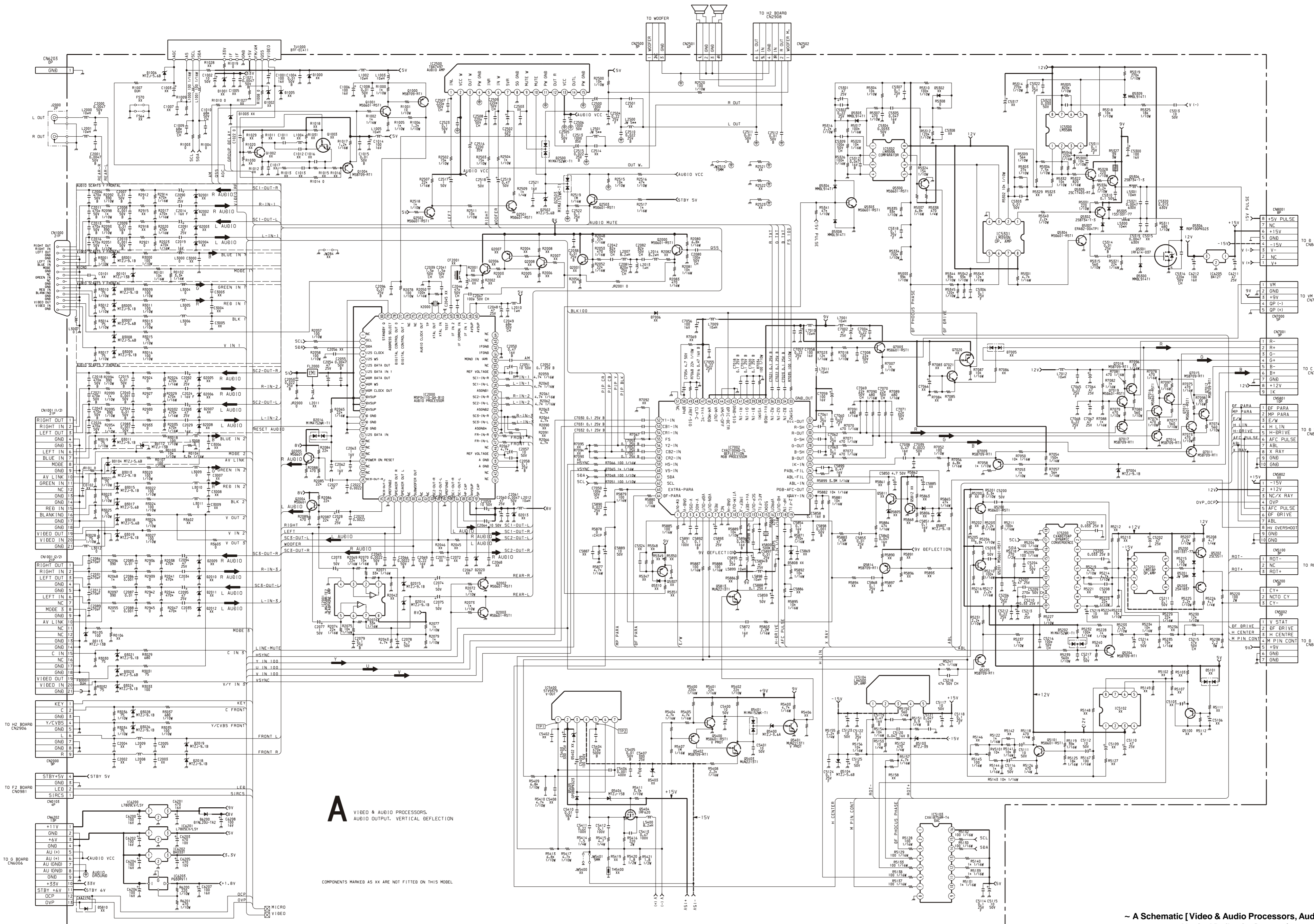
- Chip resistors are 1/10W
- All resistors are in ohms.
 $k = 1000$ ohms, $M = 1000,000$ ohms
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerances.
- : B - bus.
- : RF signal path.
- : earth - ground.
- : earth - chassis.

Reference Information

| | | |
|-----------|-------|-----------------------------|
| RESISTOR | RN | : METAL FILM |
| | RC | : SOLID |
| | FPRD | : NON FLAMMABLE CARBON |
| | FUSE | : NON FLAMMABLE FUSIBLE |
| | RS | : NON FLAMMABLE METAL OXIDE |
| | RB | : NON FLAMMABLE CEMENT |
| | RW | : NON FLAMMABLE WIREWOUND |
| | | : ADJUSTMENT RESISTOR |
| COIL | LF-8L | : MICRO INDUCTOR |
| CAPACITOR | TA | : TANTALUM |
| | PS | : STYROL |
| | PP | : POLYPROPYLENE |
| | PT | : MYLAR |
| | MPS | : METALIZED POLYESTER |
| | MPP | : METALIZED POLYPROPYLENE |
| | ALB | : BIPOLAR |
| | ALT | : HIGH TEMPERATURE |
| | ALR | : HIGH RIPPLE |

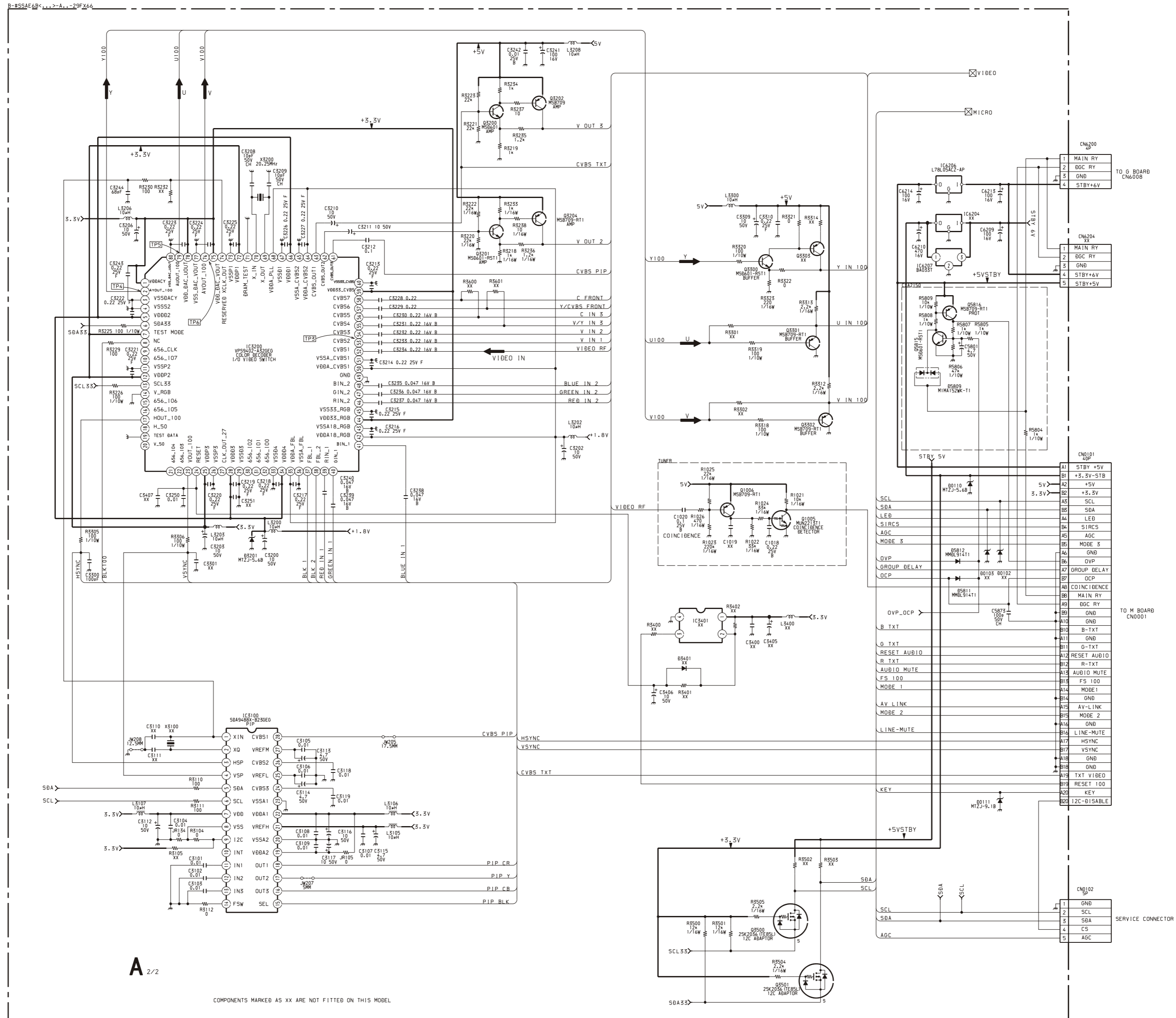
Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.



A VIDEO & AUDIO PROCESSORS.
AUDIO OUTPUT, VERTICAL DEFLECTION

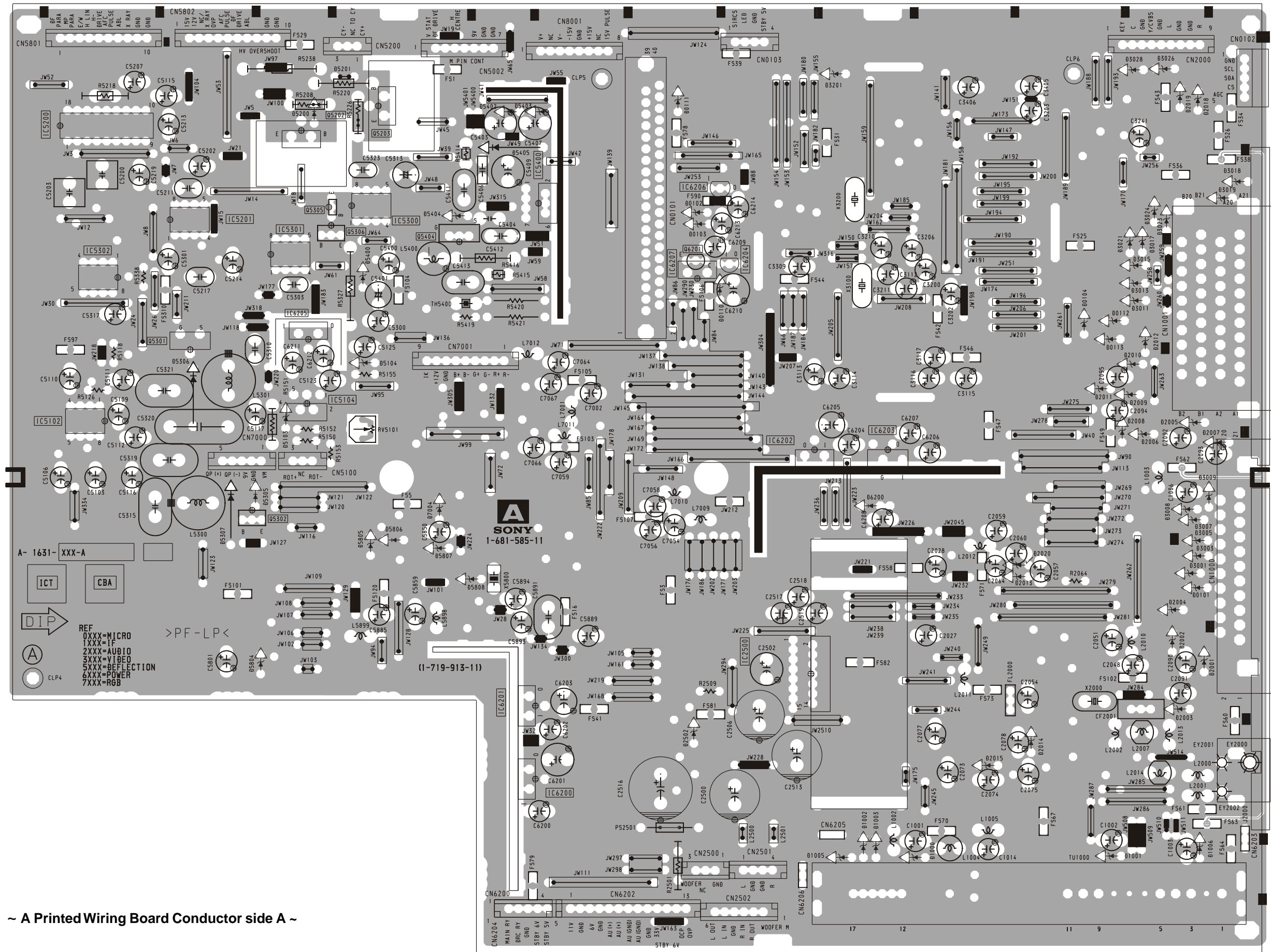
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL



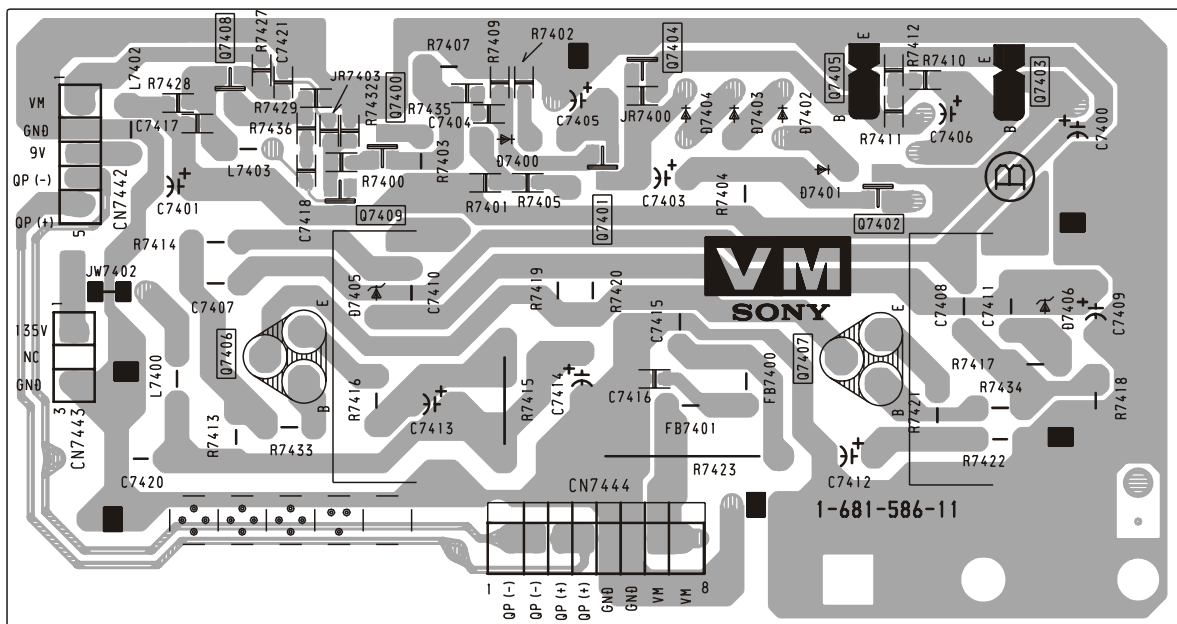
~ A Schematic [Video & Audio Processors, Audio Output, Vertical Deflection] page 2/2~

A B C D E F G H I J K L M N

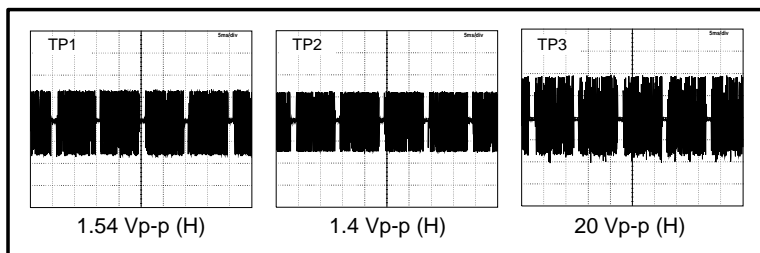
1
2
3
4
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7
8
9
10
11



~ A Printed Wiring Board Conductor side A ~



~ VM Board Waveforms ~



~ VM Board Voltage Table ~

| Ref | (e)(s) | (b)(g) | (c)(d) |
|-------|--------|--------|--------|
| Q7400 | 5.0 | 5.7 | 8.7 |
| Q7401 | 0.9 | 1.5 | 4.1 |
| Q7402 | 5.5 | 6.1 | 8.9 |
| Q7403 | 5.1 | 5.5 | 8.9 |
| Q7404 | 4.7 | 4.1 | 0 |
| Q7405 | 5.1 | 4.7 | 0 |
| Q7406 | 134 | 133.8 | 68 |
| Q7407 | 1.1 | 1.4 | 68 |
| Q7408 | 6.3 | 5.6 | 2.5 |
| Q7409 | 5.7 | 6.3 | 0.9 |

~ A Board Location Table (A Side) ~

| DIODE | D2014 | K - 9 | D3005 | M - 7 | D3017 | M - 4 | D3028 | M - 2 | D5306 | C - 5 | D7004 | F - 7 | IC5301 | D - 4 | IC6206 | H - 3 | |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|--------|--------|--------|-------------------|-------|
| D0101 | M - 7 | D2015 | K - 9 | D3007 | M - 7 | D3018 | N - 3 | D3201 | J - 2 | D5307 | C - 6 | D5809 | K - 8 | IC5302 | B - 4 | IC6207 | H - 4 |
| D0104 | L - 4 | D2018 | M - 2 | D3008 | M - 7 | D3019 | N - 3 | D5103 | D - 6 | D5400 | E - 4 | IC | | IC5400 | G - 4 | TRANSISTOR | |
| D0110 | I - 4 | D2019 | M - 2 | D3009 | N - 7 | D3021 | M - 4 | D5104 | E - 5 | D5404 | F - 3 | IC5104 | D - 6 | IC6201 | G - 10 | Q5202 | E - 2 |
| D0111 | H - 2 | D2502 | H - 9 | D3011 | M - 4 | D3023 | M - 4 | D5200 | D - 2 | D5405 | F - 3 | IC5200 | B - 3 | IC6202 | I - 6 | Q5301 | C - 5 |
| D0112 | M - 4 | D3001 | M - 7 | D3013 | M - 4 | D3024 | M - 4 | D5201 | E - 2 | D5807 | F - 7 | IC5201 | C - 4 | IC6203 | J - 6 | Q5306 | E - 4 |
| D0113 | M - 5 | D3003 | M - 7 | D3015 | M - 4 | D3026 | M - 2 | D5305 | D - 6 | D6200 | J - 6 | IC5300 | E - 4 | IC6205 | D - 5 | Q5404 | F - 4 |
| D1006 | M - 10 | | | | | | | | | | | | | | | | |

~ A Board Location Table (B Side) ~

| DIODE | D2503 | G - 9 | D3024 | B - 3 | D5309 | J - 3 | IC5103 | L - 3 | TRANSISTOR | | Q3201 | C - 2 | Q5300 | M - 4 | Q7003 | H - 6 | |
|-------|--------|-------|-------|-------|-------|-----------|--------|--------|-------------------|-------|--------|-------|-------|-------|-------|-------|-------|
| D0101 | B - 7 | D3001 | B - 7 | D3026 | B - 2 | D5400 | K - 4 | IC5104 | K - 6 | Q1000 | C - 6 | Q3202 | C - 3 | Q5301 | L - 5 | Q7009 | K - 6 |
| D0104 | C - 5 | D3003 | B - 7 | D3028 | C - 2 | D5401 | J - 4 | IC5200 | M - 3 | Q1001 | D - 6 | Q3204 | C - 3 | Q5302 | K - 7 | Q7011 | J - 6 |
| D0110 | G - 4 | D3005 | B - 7 | D3201 | F - 2 | D5404 | J - 3 | IC5201 | L - 4 | Q1004 | D - 10 | Q3300 | F - 3 | Q5303 | M - 4 | Q7012 | J - 5 |
| D0111 | G - 2 | D3007 | B - 6 | D5103 | L - 6 | D5405 | I - 3 | IC5300 | J - 3 | Q1005 | B - 2 | Q3301 | F - 3 | Q5304 | M - 5 | Q7013 | J - 6 |
| D0112 | C - 5 | D3008 | B - 6 | D5104 | J - 5 | D5809 | K - 8 | IC5301 | K - 4 | Q1006 | B - 3 | Q3302 | F - 3 | Q5305 | K - 3 | Q7014 | J - 6 |
| D0113 | C - 5 | D3009 | B - 6 | D5200 | K - 2 | D5811 | L - 8 | IC5302 | M - 4 | Q2000 | C - 9 | Q3500 | F - 3 | Q5306 | K - 4 | Q7015 | I - 5 |
| D1006 | B - 10 | D3011 | C - 4 | D5202 | L - 4 | D5812 | L - 8 | IC5400 | I - 3 | Q2002 | D - 9 | Q3501 | F - 3 | Q5400 | J - 4 | Q7016 | I - 5 |
| D2014 | C - 9 | D3013 | C - 4 | D5300 | L - 5 | D6200 | F - 7 | IC6200 | I - 9 | Q2003 | D - 9 | Q5101 | M - 5 | Q5401 | K - 4 | Q7017 | I - 6 |
| D2015 | D - 9 | D3015 | C - 4 | D5303 | N - 4 | IC | | IC6201 | I - 8 | Q2004 | E - 7 | Q5200 | M - 4 | Q5402 | J - 5 | Q7018 | I - 5 |
| D2016 | E - 8 | D3017 | B - 4 | D5304 | M - 4 | IC2000 | C - 8 | IC6202 | F - 6 | Q2005 | E - 7 | Q5201 | N - 3 | Q5403 | J - 4 | Q7019 | I - 5 |
| D2018 | B - 2 | D3018 | B - 3 | D5305 | L - 6 | IC2001 | D - 9 | IC6203 | E - 6 | Q2501 | G - 8 | Q5202 | K - 3 | Q5404 | J - 4 | | |
| D2019 | B - 2 | D3019 | B - 3 | D5306 | L - 5 | IC2500 | F - 8 | IC6205 | K - 5 | Q2502 | G - 9 | Q5203 | J - 2 | Q5813 | J - 8 | | |
| D2500 | G - 9 | D3021 | C - 4 | D5307 | L - 7 | IC3100 | E - 5 | IC6206 | G - 3 | Q2503 | G - 9 | Q5204 | L - 4 | Q5815 | L - 8 | | |
| D2502 | G - 9 | D3023 | B - 3 | D5308 | M - 4 | IC3200 | E - 3 | IC6207 | G - 4 | Q3200 | C - 3 | Q5205 | M - 3 | Q5816 | L - 8 | | |

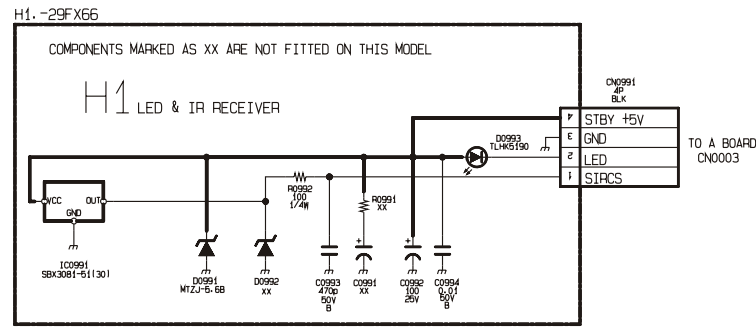
~ A Board Semiconductor Voltage Table ~

| Ref | (s) | (g) | (d) | Ref | (e) | (b) | (c) | Ref | (e) | (b) | (c) | Ref | (e) | (b) | (c) | Ref | (e) | (b) | (c) | Ref | (e) | (b) | (c) |
|-------|-----|-----|------|-------|-----|-----|------|-------|-----|-----|------|-------|-------|-------|-------|-------|------|------|------|-------|------|------|------|
| Q3500 | 2.7 | 3.3 | 3.9 | Q2002 | 0 | 0 | 4 | Q3204 | 5 | 4.4 | 3.4 | Q5205 | 1.9 | 1.2 | 0 | Q5813 | 0 | 7.9 | 0 | Q7015 | 11.6 | 10.9 | 8.8 |
| Q3501 | 2.7 | 3.3 | 4 | Q2003 | 0 | 0 | 4 | Q3300 | 0.7 | 1.3 | 5 | Q5300 | 0 | 0.4 | 2.2 | Q5814 | 0 | 0 | 0 | Q7016 | 6 | 6.6 | 10.9 |
| Q5301 | 0 | 5.1 | 51.2 | Q2004 | 3.3 | 3.9 | 8.3 | Q3301 | 1.9 | 1.2 | 0 | Q5301 | 5.1 | 0 | 51.2 | Q5815 | 0 | 0 | 5 | Q7017 | 2.7 | 2 | 0 |
| Q5404 | 0 | 0 | 0.5 | Q2005 | 3.3 | 3.9 | 8.3 | Q3302 | 1.9 | 1.2 | 0 | Q5302 | 8.9 | 5.7 | 0 | Q5816 | 5 | 5 | 0 | Q7018 | 11.6 | 10.9 | 8.6 |
| Ref | (e) | (b) | (c) | Q2501 | 0 | 0 | 15.2 | Q3500 | 3.3 | 2.7 | 3.9 | Q5304 | 0 | 0.4 | 5.6 | Q7003 | 5.6 | 6.2 | 8.8 | Q7019 | 6 | 6.6 | 10.9 |
| Q1001 | 3.2 | 3.9 | 8.3 | Q2502 | 0 | 0.7 | 0 | Q3501 | 3.3 | 2.7 | 4 | Q3400 | 0 | 0 | 0.1 | Q7009 | 3.2 | 7 | 0.1 | Q7020 | 8.9 | 8.9 | 0 |
| Q1004 | 1.9 | 1.3 | 0 | Q2503 | 0.6 | 0.6 | 0.5 | Q5101 | 0 | 0.4 | 6.4 | Q5401 | 0 | 0 | 7.9 | Q7011 | 2.5 | 1.9 | 0 | Q7021 | 2.7 | 2.7 | 8.9 |
| Q1005 | 0 | 0.5 | 5 | Q3200 | 1.9 | 2.5 | 4.4 | Q5201 | 2.8 | 3.4 | 7.9 | Q5402 | 0 | 0 | -11.3 | Q7012 | 11.6 | 10.9 | 8.7 | | | | |
| Q1006 | 5 | 4.7 | 1 | Q3201 | 1.9 | 2.5 | 4.4 | Q5202 | 0.2 | 0.8 | 11.7 | Q5403 | -13.5 | -11.2 | -8.3 | Q7013 | 6 | 6.6 | 10.9 | | | | |
| Q2000 | 4.2 | 4.8 | 8.3 | Q3202 | 5 | 4.4 | 3.4 | Q5203 | 0.2 | 0.8 | 11.7 | Q5404 | 0 | 0 | 0.5 | Q7014 | 2.5 | 1.8 | 0 | | | | |

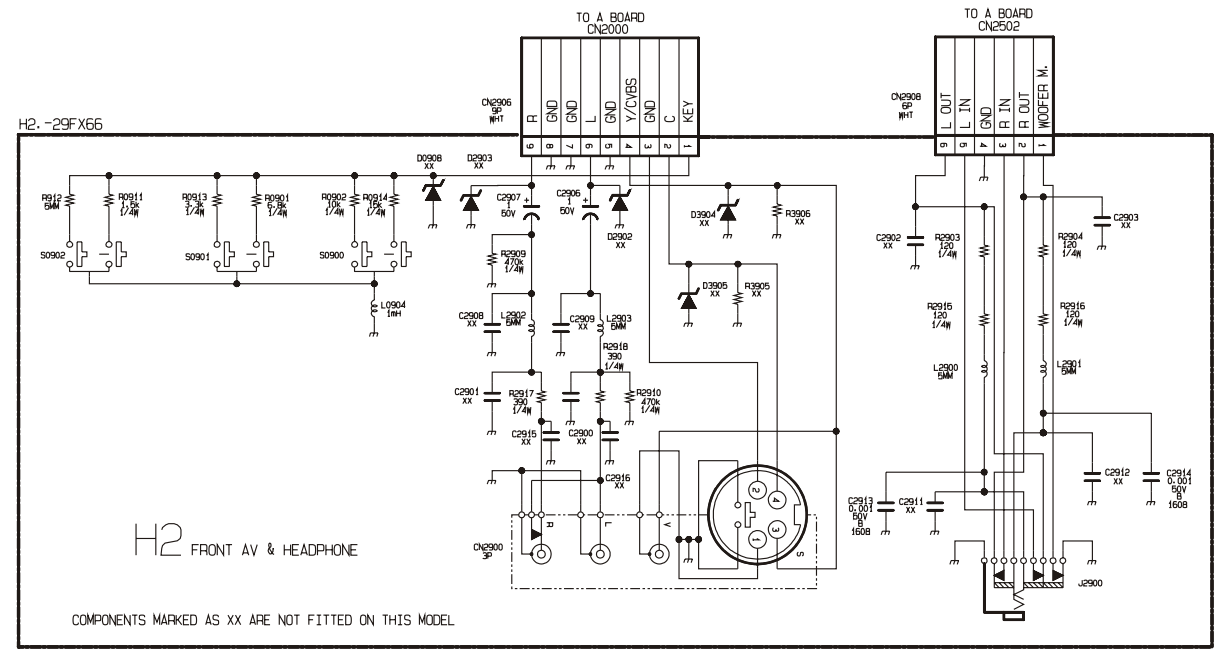
~ A Board IC Voltage Table ~

| IC Voltage Table | | | | | | | | | | | | | | |
|------------------|--------|-------------|--------|--------|-------------|--------|--------|-------------|--------|--------|-------------|--------|--------|-------------|
| Ref No | Pin No | Voltage (V) | Ref No | Pin No | Voltage (V) | Ref No | Pin No | Voltage (V) | Ref No | Pin No | Voltage (V) | Ref No | Pin No | Voltage (V) |
| IC3100 | 1 | 1.3 | IC5103 | 6 | 1.8 | IC5201 | 5 | 9.3 | IC5400 | 6 | 13.7 | IC7002 | 32 | 8.9 |
| | 2 | 1.7 | | 7 | 2 | | 6 | 0.5 | | 7 | 1.4 | | 33 | 0 |
| | 3 | 2.6 | | 8 | 0 | | 7 | 12.1 | | 1 | 3.6 | | 34 | 4.7 |
| | 4 | 0 | | 9 | 3.1 | | 8 | -14.1 | | 2 | 0 | | 35 | 4.7 |
| | 5 | 2.5 | | 10 | 3 | 1 | 6 | 3 | | 4.4 | 36 | | 4.7 | |
| | 6 | 3.3 | | 11 | 5 | 2 | 6 | 4 | | 4.8 | 37 | | 8.9 | |
| | 7 | 0 | | 12 | 5 | 3 | 6 | 5 | | 3.5 | 38 | | 0 | |
| | 8 | 0 | | 13 | 5 | 4 | 0 | 6 | | 3.4 | 39 | | 4.8 | |
| | 9 | 1.1 | | 14 | 0 | 5 | 6 | 7 | | 7.6 | 40 | | 4.8 | |
| | 10 | 1.1 | | 15 | 0 | 6 | 6 | 8 | | 0 | 41 | | 4.8 | |
| | 11 | 0 | | 16 | 5 | 7 | 6 | 9 | | 0 | 42 | | 0 | |
| | 12 | 0 | | 1 | 4.8 | 8 | 12 | 10 | | 0.4 | 43 | | 0 | |
| | 13 | 0 | 2 | 4.9 | 1 | 1.7 | 11 | 1.8 | 44 | 0 | | | | |
| | 14 | 0 | 3 | 4.8 | 2 | 8.5 | 12 | 0.4 | 45 | 6.3 | | | | |
| | 15 | 0.5 | 4 | 4.8 | 3 | 6.5 | 13 | 0.9 | 46 | 8.9 | | | | |
| | 16 | 0.3 | 5 | 5 | 4 | 0 | 14 | 5 | 47 | 8.9 | | | | |
| | 17 | 0.3 | 6 | 5 | 5 | 6.5 | 15 | 2.5 | 48 | 6 | | | | |
| | 18 | 0.3 | 7 | 5 | 6 | 7.1 | 16 | 0 | 49 | 2.5 | | | | |
| | 19 | 3.3 | 8 | 5 | 7 | 0.4 | 17 | 3 | 50 | 4.1 | | | | |
| | 20 | 0 | 9 | 4.9 | 8 | 12 | 18 | 2.7 | 51 | 0 | | | | |
| | 21 | 3.3 | 10 | 12.1 | 1 | 0 | 19 | 3.9 | 52 | 6 | | | | |
| | 22 | 3.3 | 11 | 4.1 | 2 | 5.8 | 20 | 0 | 53 | 5.8 | | | | |
| | 23 | 0 | 12 | 5 | 3 | 6.3 | 21 | 6.1 | 54 | 5.8 | | | | |
| | 24 | 3.2 | 13 | 5 | 4 | 0 | 22 | 2.7 | 55 | 0.4 | | | | |
| | 25 | 1.2 | 14 | 1.9 | 5 | 6.6 | 23 | 8.8 | 56 | 5.8 | | | | |
| | 26 | 3.2 | 15 | 1.1 | 6 | 6.5 | 24 | 0 | 57 | 5.8 | | | | |
| | 27 | 2.1 | 16 | 0 | 7 | 0.4 | 25 | 4.3 | 58 | 5.8 | | | | |
| | 28 | 0.3 | 17 | 0 | 8 | 12 | 26 | 3.2 | 59 | 0.3 | | | | |
| IC5103 | 1 | 3.3 | IC5201 | 18 | 0 | IC5301 | 1 | 1.4 | IC7002 | 27 | 5.2 | 60 | 0 | |
| | 2 | 3.3 | | 1 | 9.3 | | 2 | 13.2 | | 28 | 0.3 | 61 | 0 | |
| | 3 | 1.9 | | 2 | 3.8 | | 3 | -12.5 | | 29 | 4.9 | 62 | 2.9 | |
| | 4 | 2.6 | | 3 | 3.8 | | 4 | -15.4 | | 30 | 3.4 | 63 | 3.7 | |
| | 5 | 2.5 | | 4 | -15.4 | | 5 | -0.4 | | 31 | 5.6 | | | |

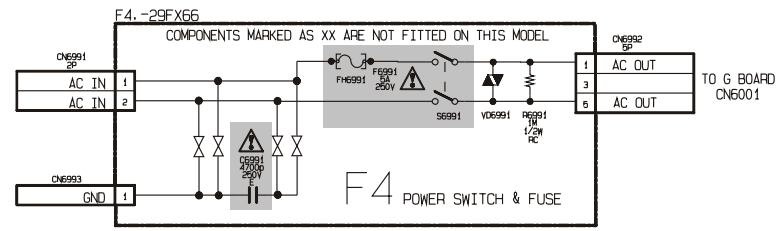
~ H1 Board Schematic Diagram ~



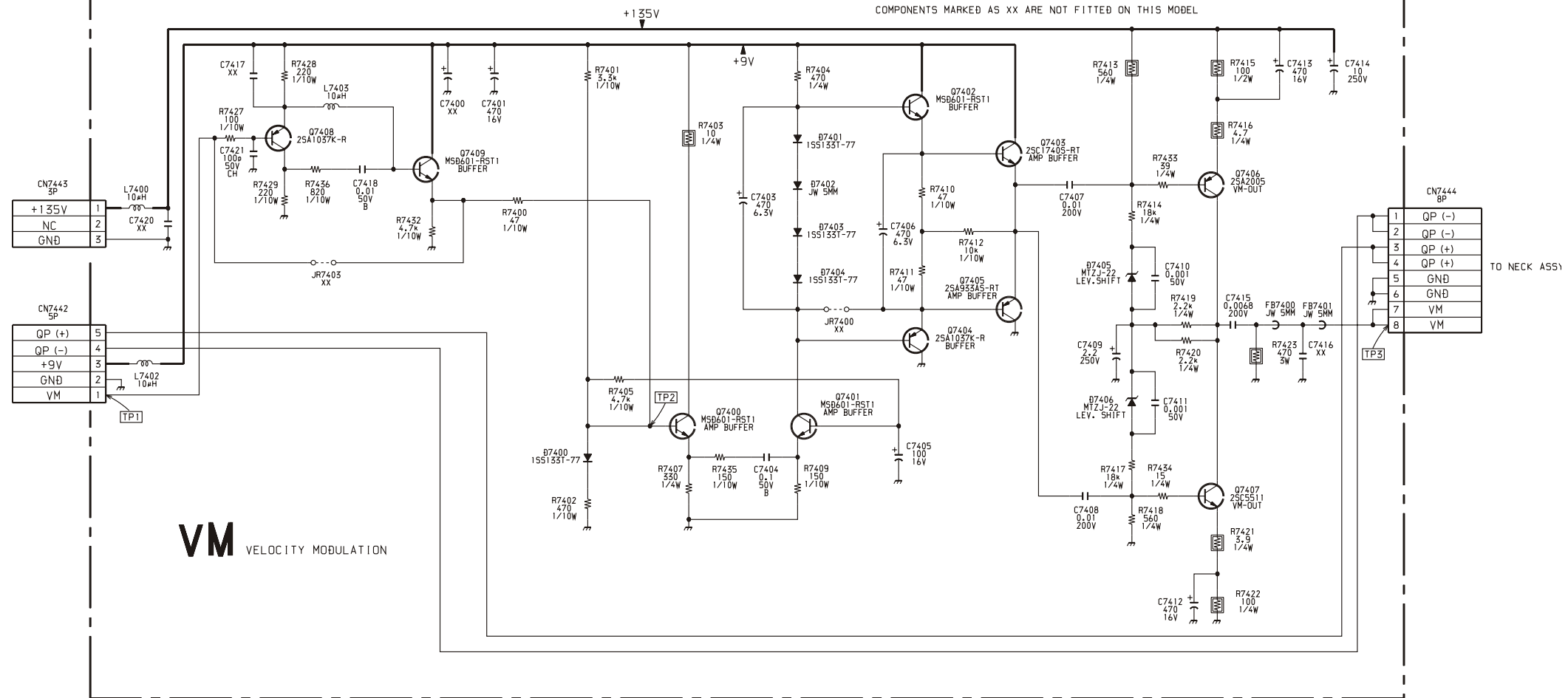
~ H2 Board Schematic Diagram ~



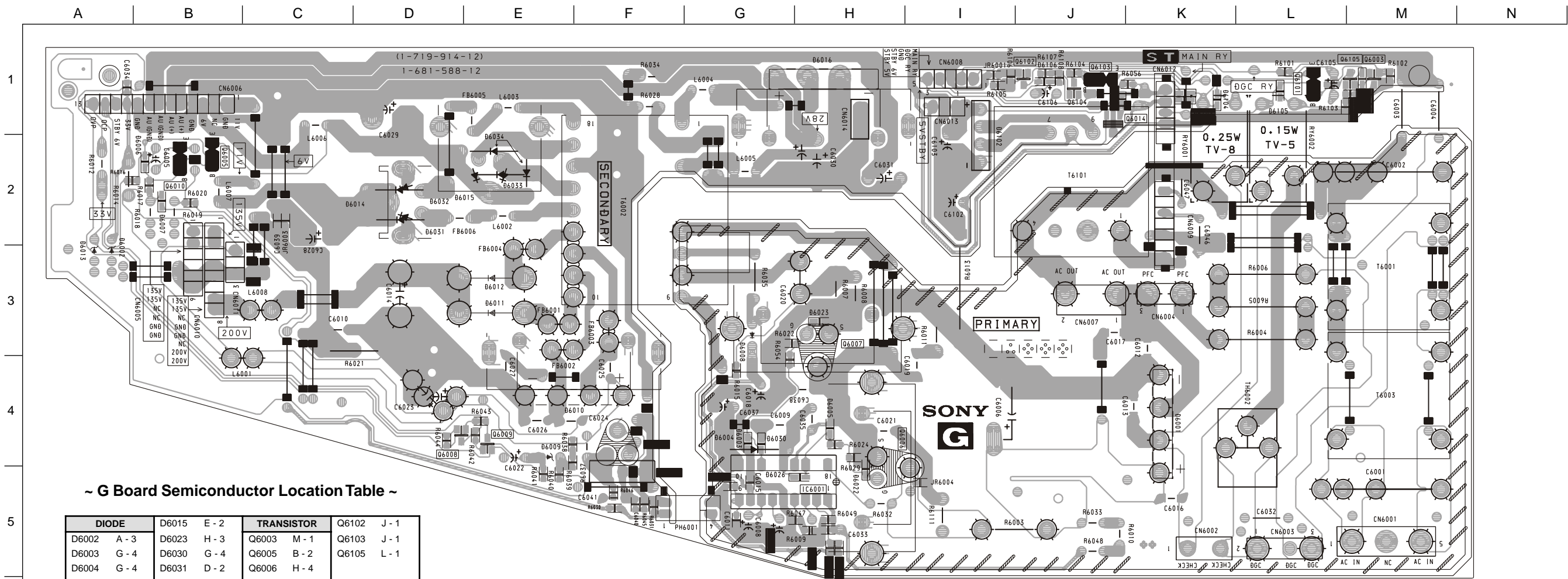
~ F4 Board Schematic Diagram ~



B-#SSAE6B<...>-VM. -29FX66



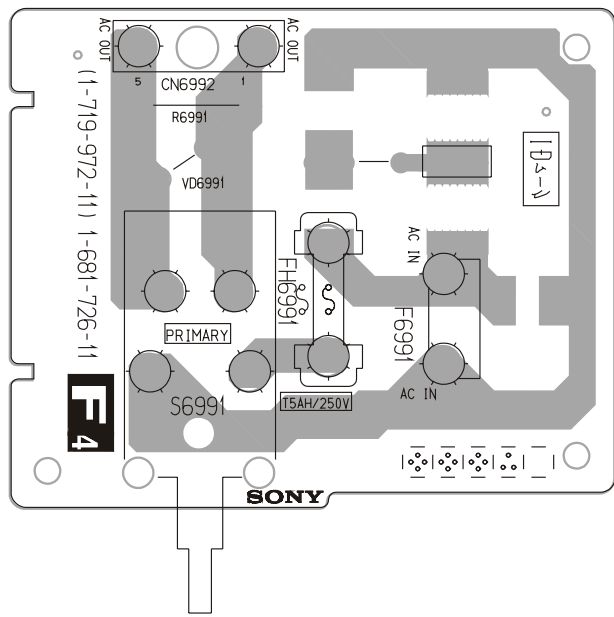
~ VM Board Schematic Diagram ~



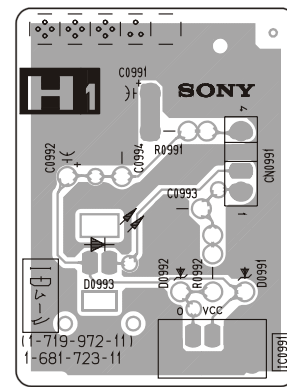
~ G Board Semiconductor Location Table ~

| DIODE | D6015 E - 2 | TRANSISTOR | Q6102 J - 1 |
|-------|-------------|--------------|-------------|
| D6002 | A - 3 | D6023 H - 3 | Q6003 M - 1 |
| D6003 | G - 4 | D6030 G - 4 | Q6005 B - 2 |
| D6004 | G - 4 | D6031 D - 2 | Q6006 H - 4 |
| D6008 | G - 3 | D6032 D - 2 | Q6007 H - 3 |
| D6009 | E - 4 | D6033 E - 2 | Q6008 D - 4 |
| D6010 | E - 4 | D6034 E - 2 | Q6009 E - 4 |
| D6011 | E - 3 | IC | Q6010 B - 2 |
| D6012 | E - 3 | IC6001 G - 5 | Q6014 J - 2 |
| D6013 | A - 3 | | Q6101 L - 1 |

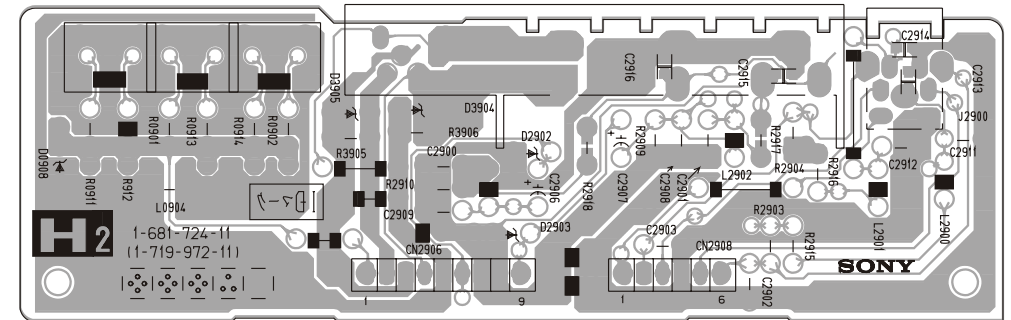
~ G Printed Wiring Board Conductor side ~



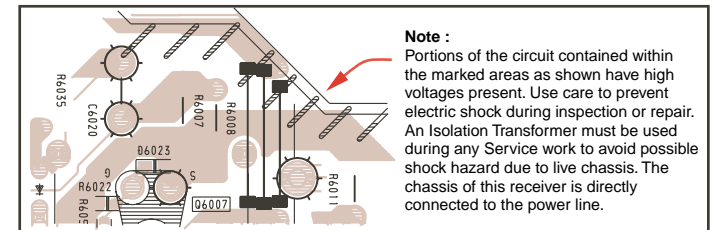
~ F4 Printed Wiring Board Conductor side ~



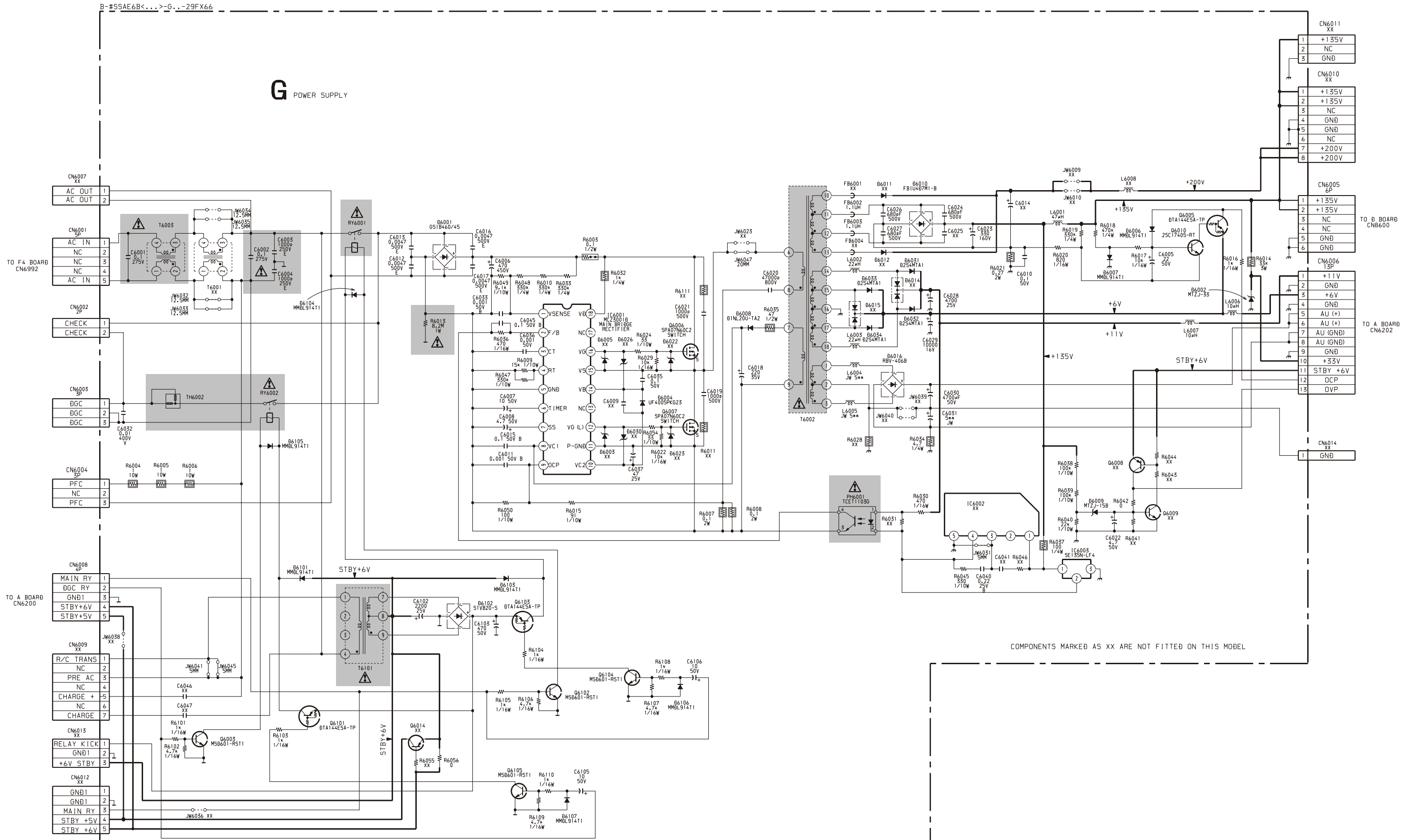
~ H1 Printed Wiring Board Conductor side ~



~ H2 Printed Wiring Board Conductor side ~

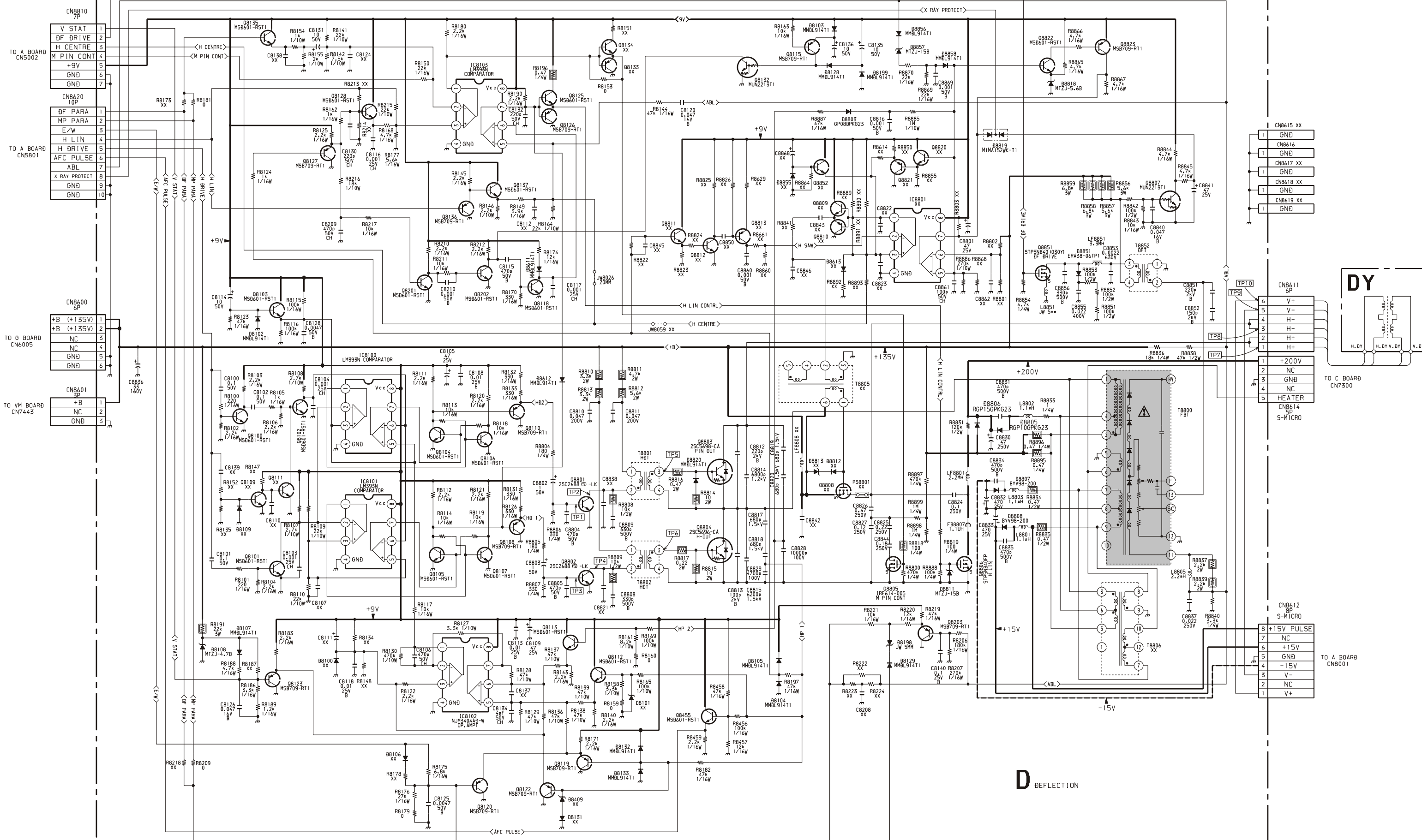


G POWER SUPPLY



COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

B-#SSAE6B<...>-D...-29FX66



TO A BOARD CN5002

| | |
|---|------------|
| 1 | V STAT |
| 2 | DF DRIVE |
| 3 | H CENTRE |
| 4 | M PIN CONT |
| 5 | +9V |
| 6 | GND |
| 7 | GND |

TO A BOARD CN5801

| | |
|----|---------------|
| 1 | DF PARA |
| 2 | MP PARA |
| 3 | E/W |
| 4 | H LIN |
| 5 | H DRIVE |
| 6 | AFC PULSE |
| 7 | ABL |
| 8 | X RAY PROTECT |
| 9 | GND |
| 10 | GND |

TO G BOARD CN6005

| | |
|---|------------|
| 1 | +B (+135V) |
| 2 | +B (+135V) |
| 3 | NC |
| 4 | NC |
| 5 | GND |
| 6 | GND |

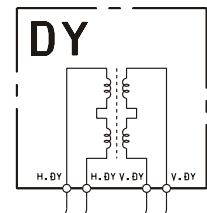
TO VM BOARD CN7443

| | |
|---|-----|
| 1 | +B |
| 2 | NC |
| 3 | GND |

| | |
|---|-----|
| 1 | GND |
| 1 | GND |
| 1 | GND |
| 1 | GND |
| 1 | GND |

| | |
|---|--------|
| 1 | +200V |
| 2 | NC |
| 3 | NC |
| 4 | NC |
| 5 | HEATER |

| | |
|---|------------|
| 1 | +15V PULSE |
| 2 | NC |
| 3 | +15V |
| 4 | -15V |
| 5 | GND |
| 6 | V- |
| 7 | V+ |

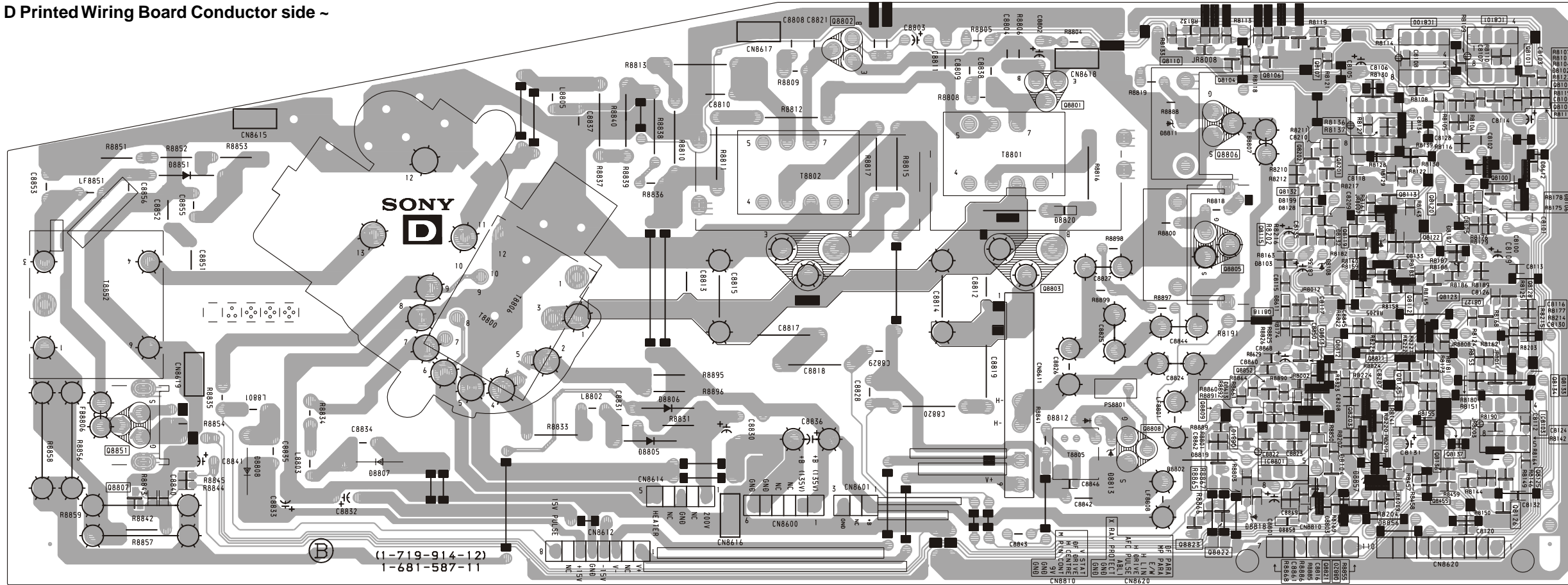


D DEFLECTION

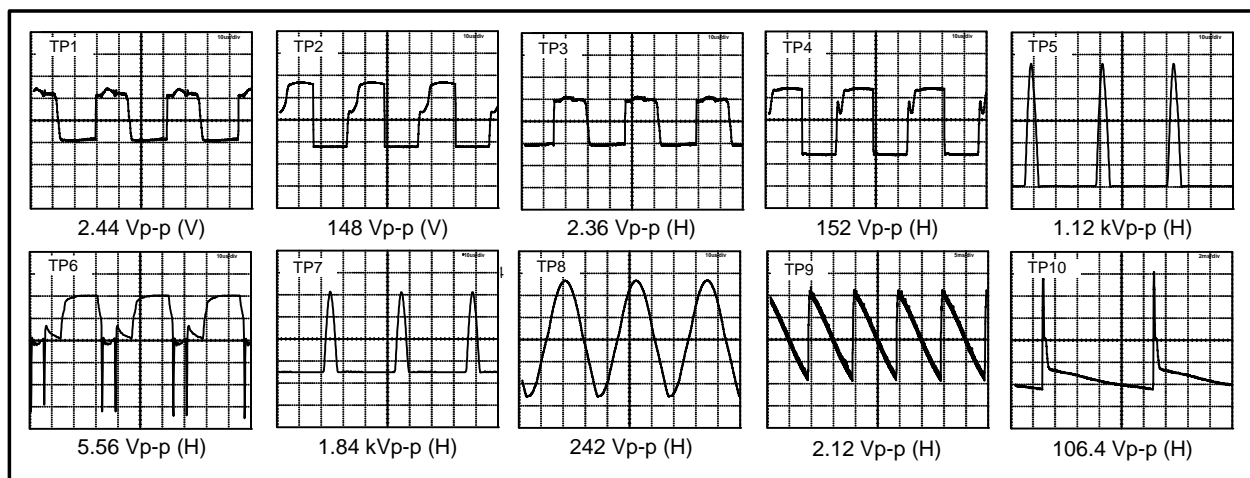
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

A B C D E F G H I J K L M N

1 ~ D Printed Wiring Board Conductor side ~



8 ~ D Board Waveforms ~



8 ~ D Board IC Voltage Table ~

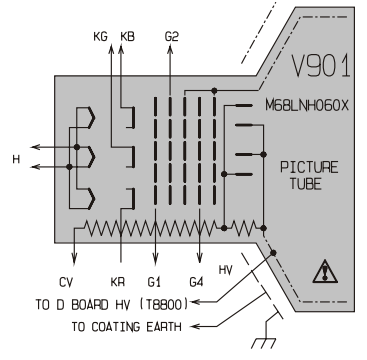
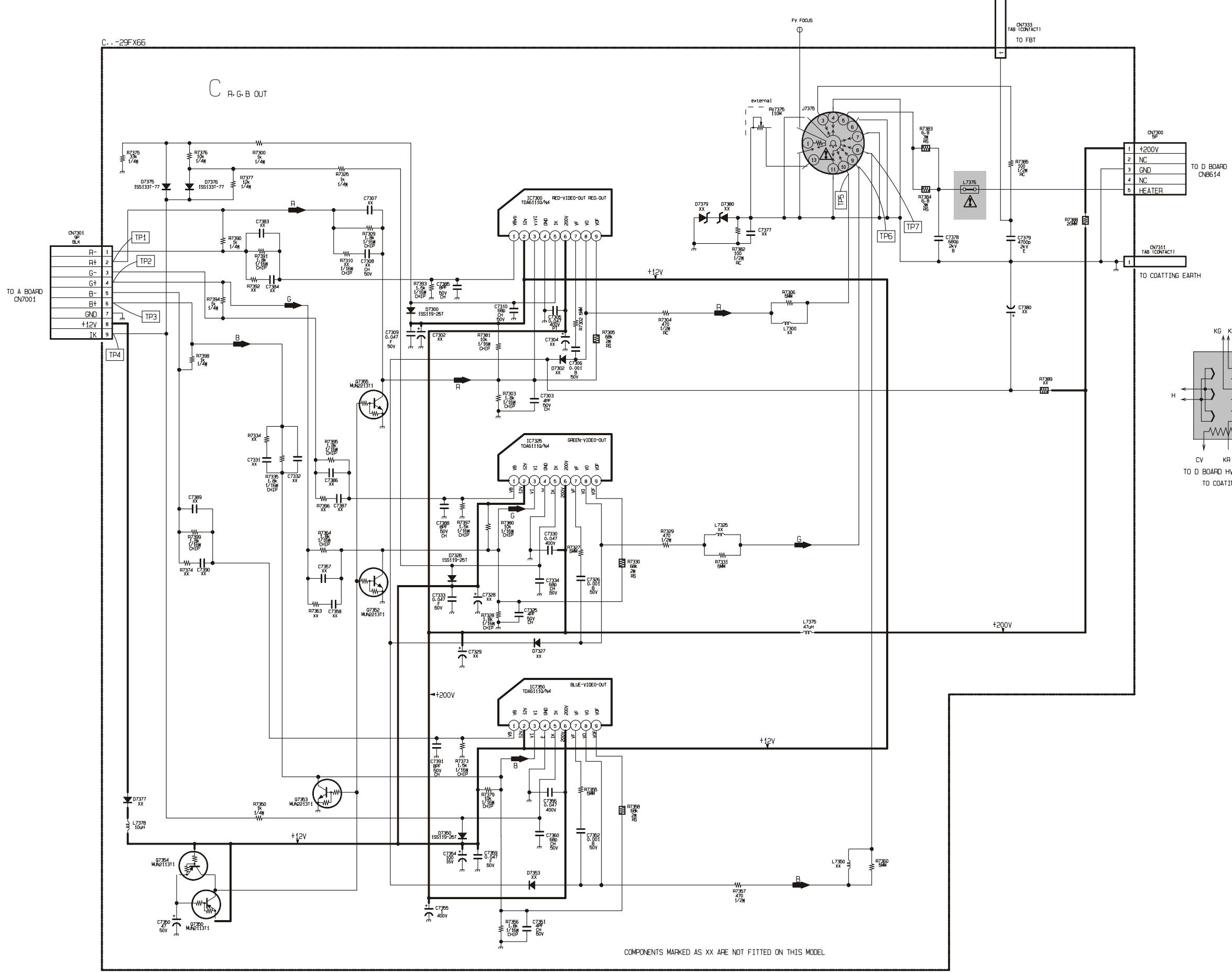
| IC Voltage Table | | |
|------------------|--------|-------------|
| Ref No | Pin No | Voltage (V) |
| IC8100 | 1 | 0.3 |
| | 2 | 4.3 |
| | 3 | 4.1 |
| | 5 | 4.1 |
| | 6 | 3.0 |
| | 7 | 0.4 |
| | IC8101 | 1 |
| 2 | | 4.3 |
| 3 | | 4.4 |
| 5 | | 4.4 |
| 6 | | 3.0 |
| 7 | | 0.4 |
| IC8102 | | 1 |
| | 2 | 0.4 |
| | 3 | 0.4 |
| | 5 | 0.4 |
| | 6 | 0.4 |
| | 7 | 0.4 |
| | IC8103 | 1 |
| 2 | | 2.1 |
| 3 | | 1.7 |
| 5 | | 1.6 |
| 6 | | 1.0 |
| 7 | | 1.1 |

8 ~ D Board Semiconductor Voltage Table ~

| Ref | (e)(s) | (b)(g) | (c)(d) | Ref | (e)(s) | (b)(g) | (c)(d) | Ref | (e)(s) | (b)(g) | (c)(d) | Ref | (e)(s) | (b)(g) | (c)(d) |
|-------|--------|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|
| Q8100 | 0 | 0.6 | 3.6 | Q8110 | 2.4 | 3.1 | 0 | Q8128 | 3.4 | 1.5 | 8.9 | Q8801 | 0 | 0.4 | 64.7 |
| Q8101 | 0 | 0.6 | 4.3 | Q8113 | 0.3 | 0.2 | 8.9 | Q8132 | 0 | 0 | 3.4 | Q8802 | 0 | 0.4 | 73.2 |
| Q8102 | 0 | 0.3 | 4.3 | Q8115 | 8.6 | 8.9 | 0 | Q8135 | 2.6 | 3.2 | 8.9 | Q8807 | 0 | 6.3 | 0 |
| Q8103 | 4.0 | 0 | 8.9 | Q8118 | 0 | 0 | 5.0 | Q8136 | 2.5 | 1.8 | 0 | Q8818 | 0 | 0 | 5.0 |
| Q8104 | 0 | 0.4 | 3.1 | Q8119 | 0.7 | 1.4 | 0 | Q8137 | 1.8 | 2.5 | 8.9 | Q8822 | 5.5 | 4.9 | 0 |
| Q8105 | 0 | 0.4 | 3.2 | Q8120 | 0.7 | 2.3 | 0 | Q8201 | 0 | 0.6 | 3.9 | Q8823 | 8.9 | 8.5 | 0 |
| Q8106 | 0 | 0.3 | 4.3 | Q8122 | 0.5 | 1.4 | 0 | Q8202 | 0 | 0.8 | 3.4 | Q8805 | 0 | 2.5 | 33 |
| Q8107 | 0 | 0.3 | 4.2 | Q8123 | 0.5 | 1.4 | 0 | Q8203 | 1.4 | 0.9 | 0 | Q8806 | 0 | 1.2 | 135 |
| Q8108 | 2.4 | 3.2 | 0 | Q8127 | 1.4 | 1.5 | 0 | Q8455 | 1.1 | 1.7 | 8.9 | Q8851 | 0 | 5.4 | 81.5 |

A B C D E F G H I J K L M N

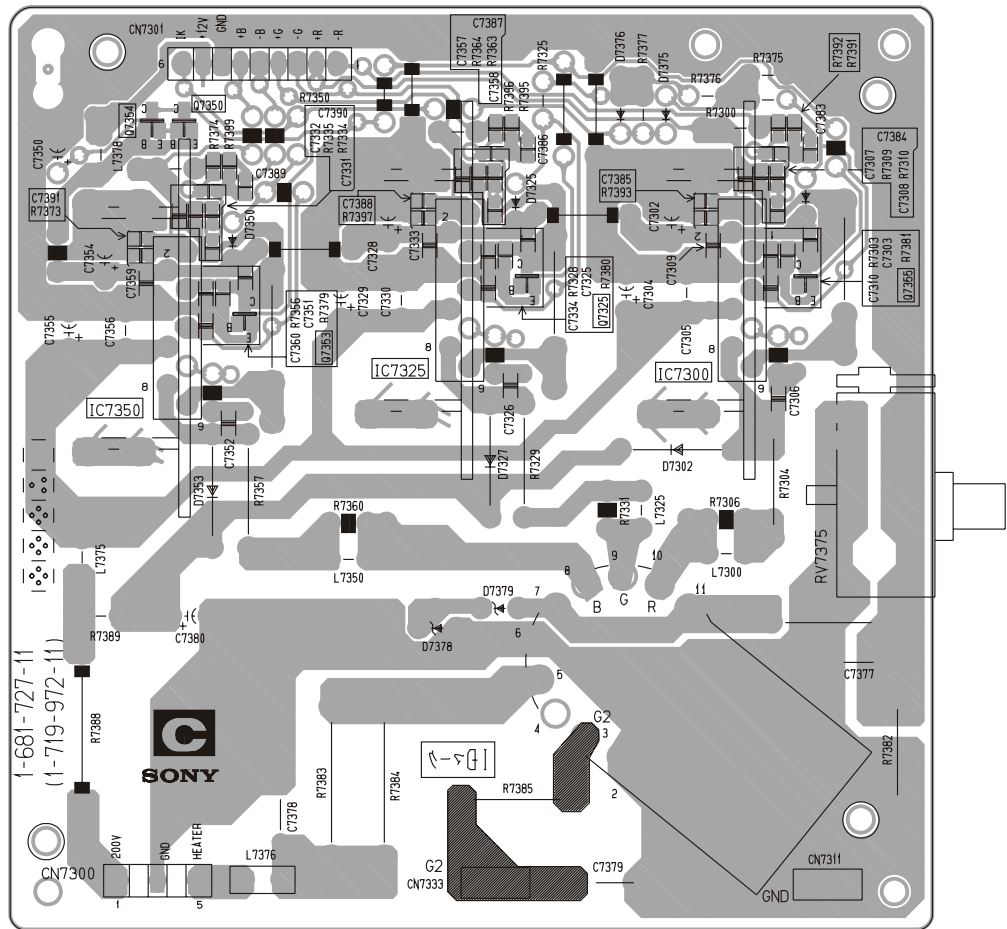
1
2
3
4
5
6
7
8
9
10
11



COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ C Board Schematic [R-G-B Out] ~

~ C Printed Wiring Board Conductor side ~



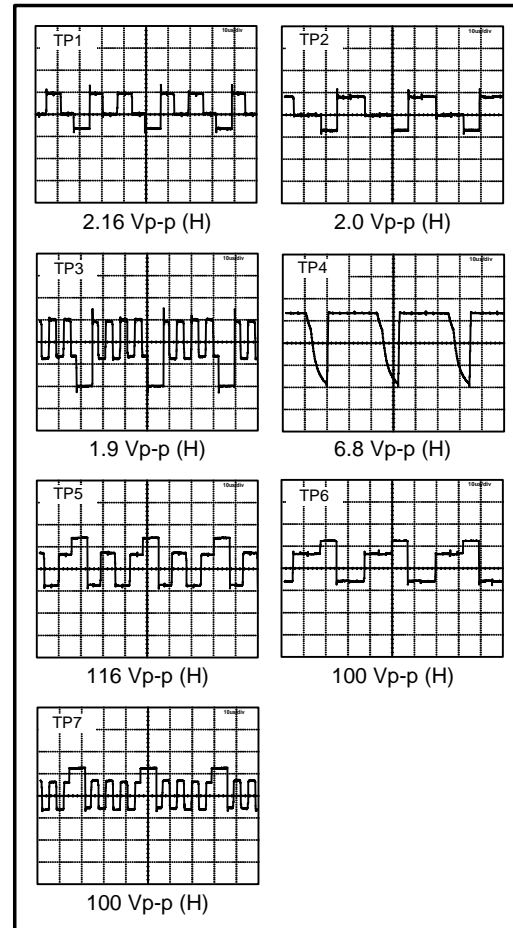
~ C Board Semiconductor Voltage Table ~

| Ref | (e) | (b) | (c) |
|-------|-------|-------|-----|
| Q7350 | 12 | 11.98 | 0 |
| Q7352 | 0 | 0 | 3.8 |
| Q7353 | 0 | 0 | 3.8 |
| Q7354 | 11.98 | 12 | 0 |
| Q7355 | 0 | 0 | 3.8 |

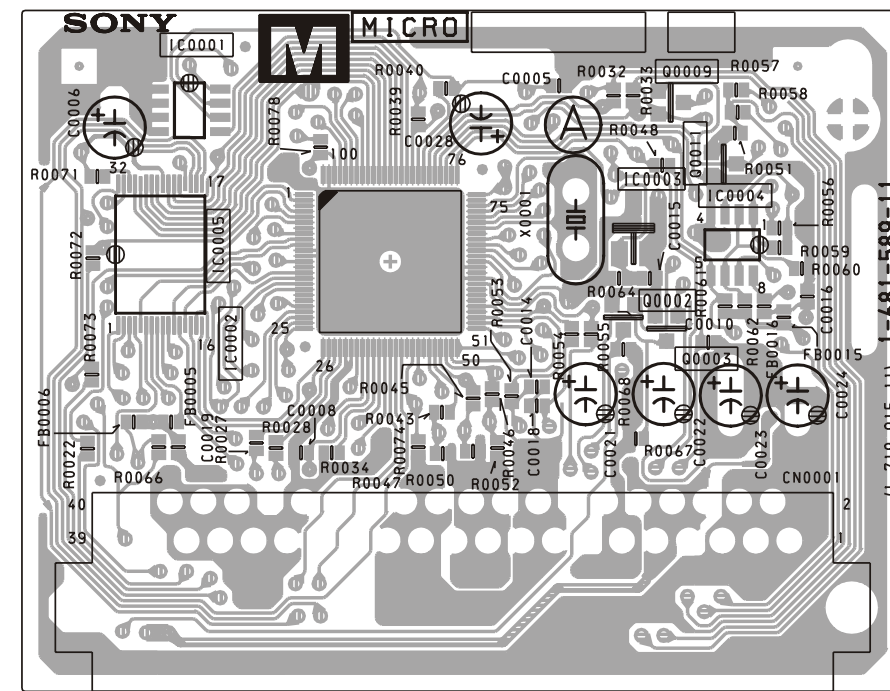
~ C Board IC Voltage Table ~

| IC Voltage Table | | | |
|------------------|--------|-------------|-----|
| Ref No | Pin No | Voltage (V) | |
| IC7300 | 1 | 3.9 | |
| | 3 | 3.8 | |
| | 5 | 7.5 | |
| | 6 | 200 | |
| | 7 | 140 | |
| | 8 | 153 | |
| | 9 | 140 | |
| | IC7325 | 1 | 3.9 |
| | | 3 | 3.8 |
| 5 | | 7.7 | |
| 6 | | 200 | |
| 7 | | 140 | |
| IC7350 | 1 | 3.9 | |
| | 3 | 3.8 | |
| | 5 | 7.5 | |
| | 6 | 200 | |
| | 9 | 138 | |

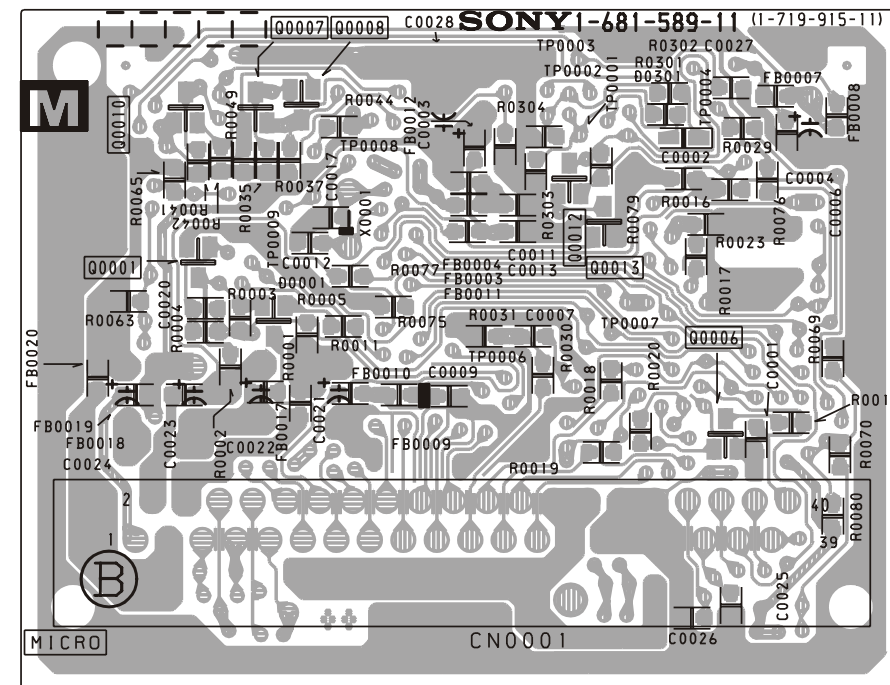
~ C Board Waveforms ~



~ M Printed Wiring Board (A) side ~

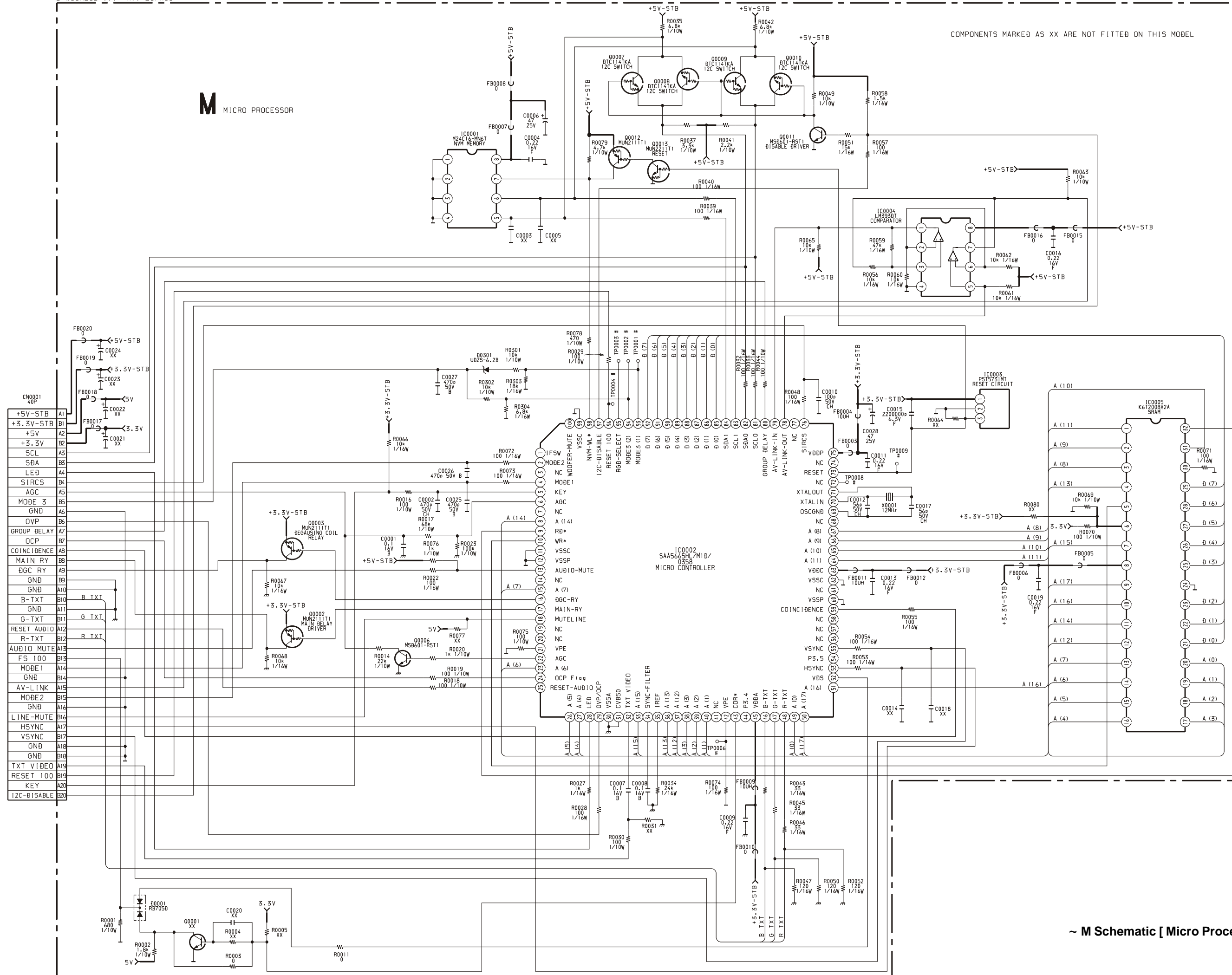


~ M Printed Wiring Board (B) side ~



M MICRO PROCESSOR

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

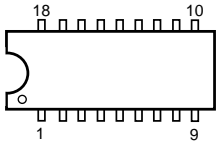


TO A BOARD
CN0101

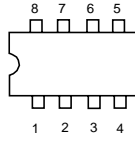
~ M Schematic [Micro Processor] ~

5-4. SEMICONDUCTORS

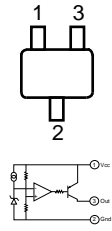
CXAB070AP
MCZ3001D



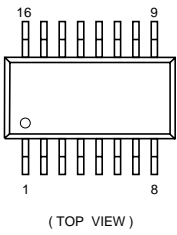
LM318P
LM358N
LM393DT
LM393N
M24C16-MN6T(A)



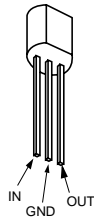
PST573IMT



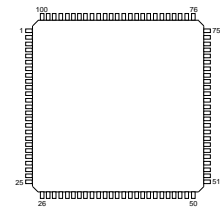
CXA1875AM-T4



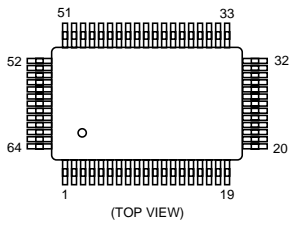
LM78L05ACZ



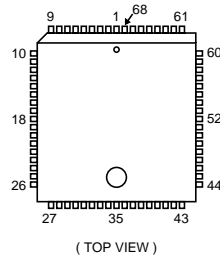
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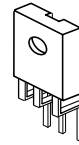
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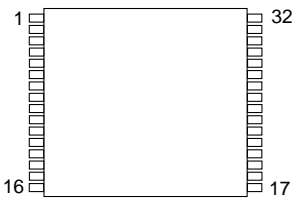
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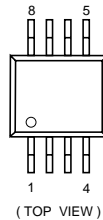
SBX3081-51(30)



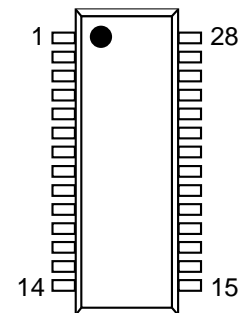
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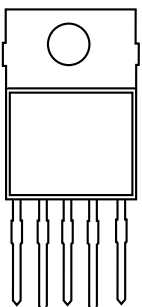
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UPC4558G2



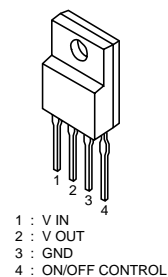
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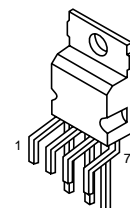
LA6500-FA



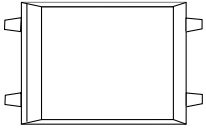
PQ30RV11



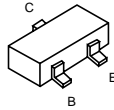
STV9379



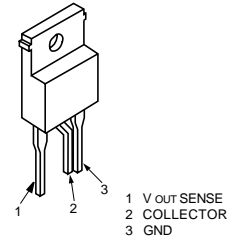
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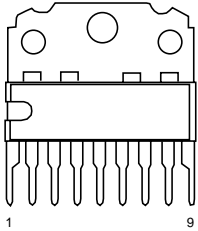
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DTC144TKA-T146
2SA1162-G



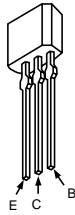
SE135N-LF4



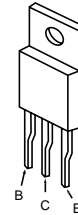
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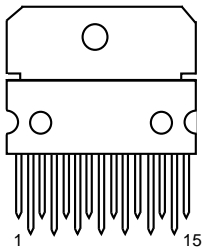
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2SC2785-HFE



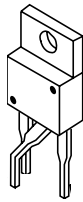
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TDA7497



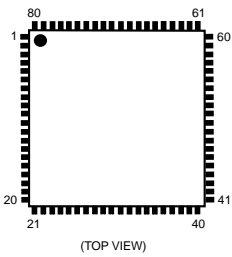
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STP5NB40FP
STP5NB40(030Y)
2SC5698-CA
2S5696-SONY-CA



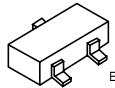
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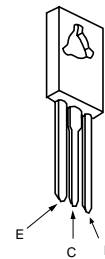
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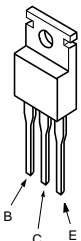
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MSD601-RST1
M1MA152WA-T1
UN2111
UN213
2SK2036(TE85L)



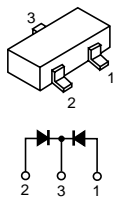
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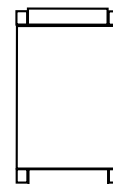
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IRF614-005
IRF620
SPA07N60C2
2SA2005
2SC5511



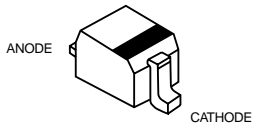
RB705D



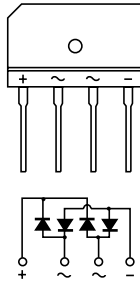
BAS216



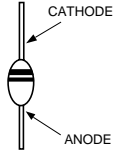
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 UDZSTE-176.2B



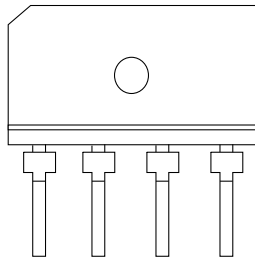
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 RBV-406B
 S1VB40



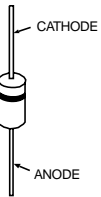
BYV98-200-RAS 15/12



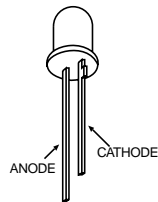
GS1B460/45



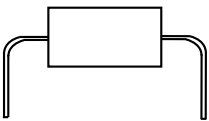
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 EL1Z
 GP08D
 UF4005PKG23



TLHK5190

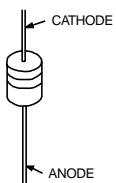


D2S4MTA1



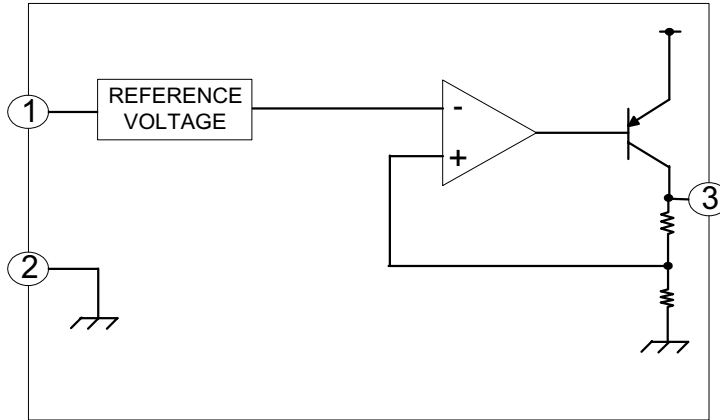
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 ERA85-009
 HZS9.1NB2
 MTZJ-13B
 MTZJ-33B
 MTZJ-3.6A
 MTZJ-4.7C

MTZJ-T-77-22
 RD15ES-B2
 RD39ES-B2
 RD5.6ESB2
 1SS119-25
 1SS133T-77

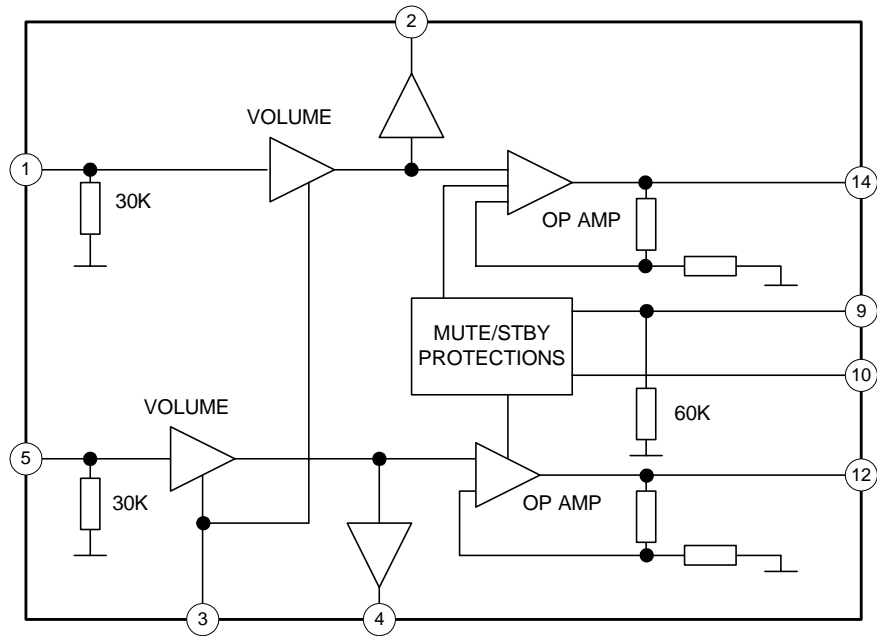


5-5 IC BLOCK DIAGRAMS

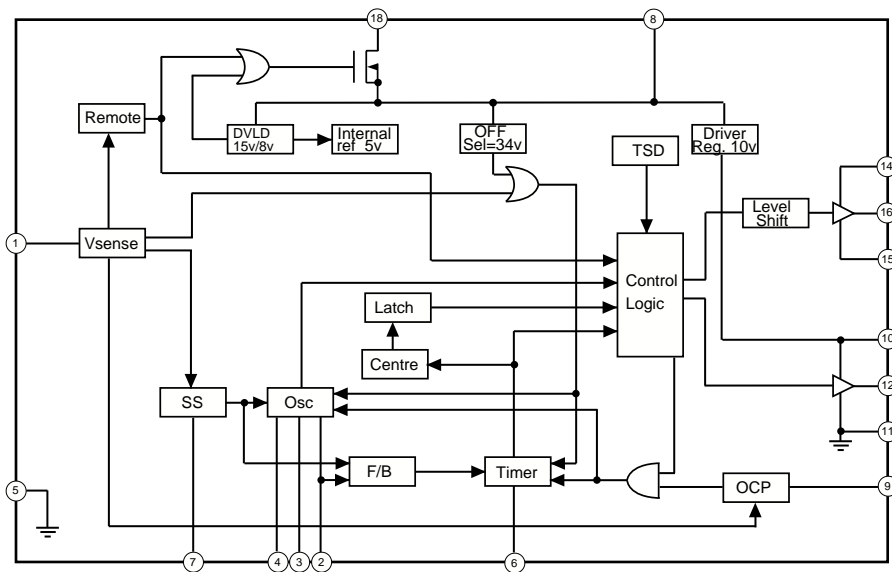
A BOARD IC6202/IC6207/IC6205 BA033T/BA12T



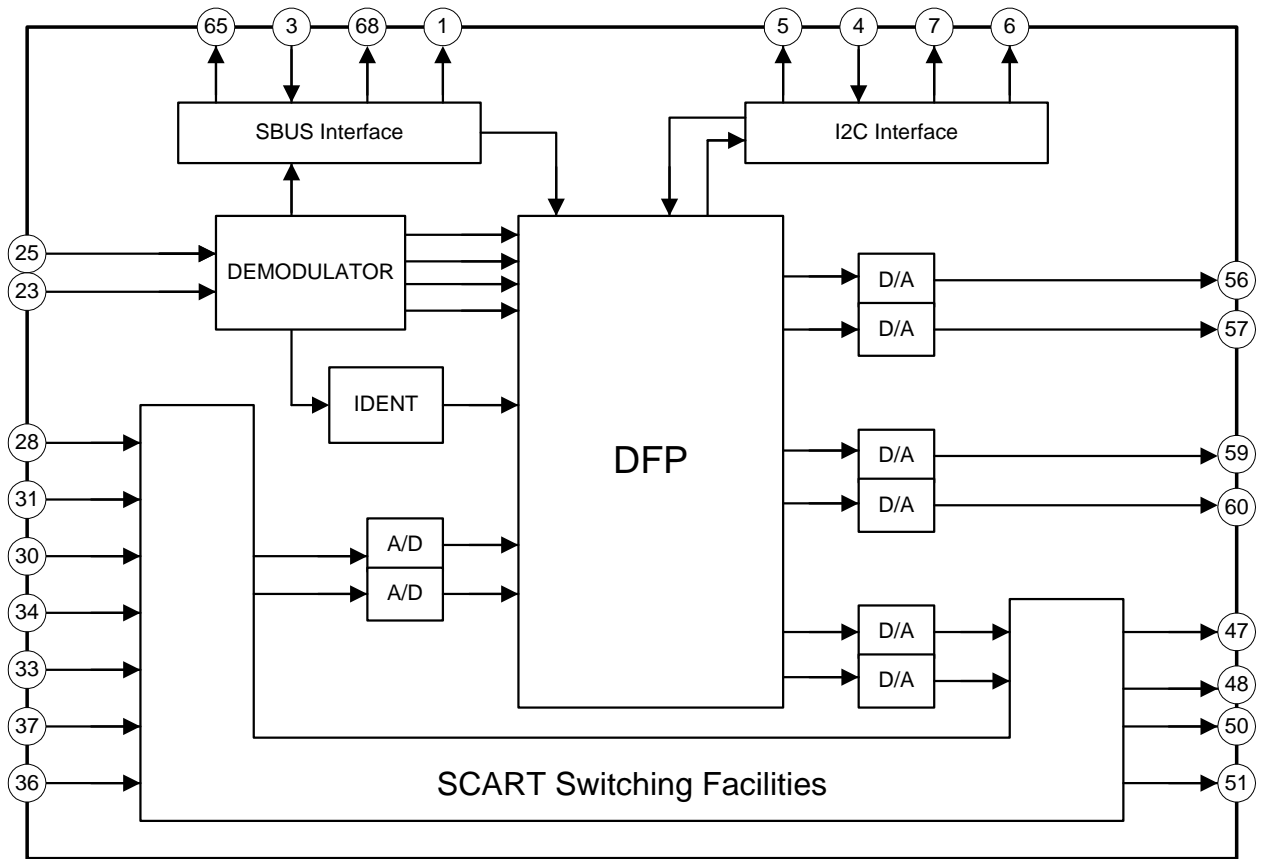
A BOARD IC1201 TDA7497



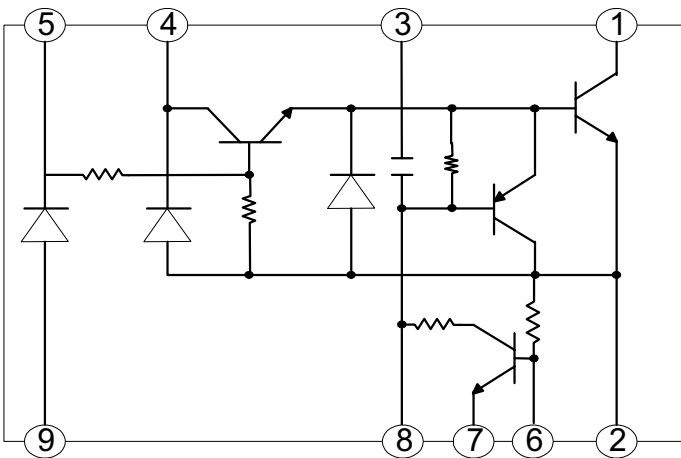
G BOARD IC6001 MCZ3001D



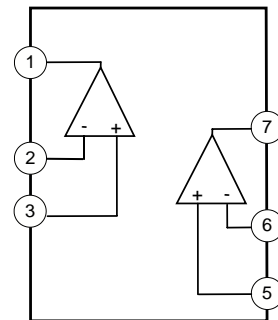
A BOARD IC2000 MSP3411G



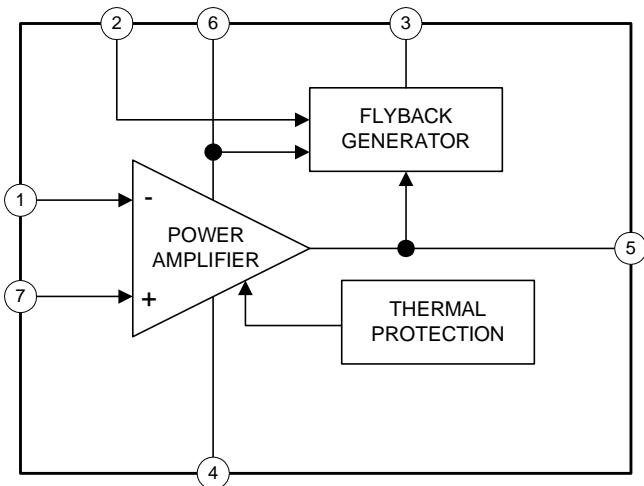
G BOARD IC6003 SE135N-LF4



A BOARD IC5301/IC5302 LM393TD



A BOARD IC5400 STV9379



A BOARD IC5300 LM358N

