

# HITACHI

## SERVICE MANUAL

YS

No. 0103E

### HTA-DD3

[E, E(BS), W, W(UN), WAU]



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SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

## AV SURROUND SYSTEM

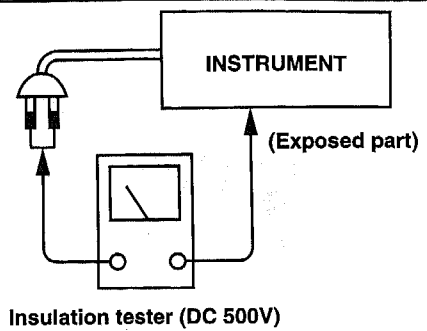
September 2000

HITACHI CONSUMER PRODUCTS (S)

Check that exposed parts are acceptably insulated from the supply circuit before returning the repaired instrument to the customer.

- **Checking method**

Measure the resistance value between the both poles of attachment cup (Power supply plug) and the exposed parts (Parts such as Knob, Cover, etc. where the customer is easy to touch.) and check that the resistance value is 500 kohms or more.



### SAFETY PRECAUTIONS

The following precautions should be observed when servicing.

1. Since many parts in the unit have special safety-related characteristics, always use genuine Hitachi's replacement parts. Especially critical parts in the power circuit block should not be replaced with other makers. Critical parts are marked with  $\triangle$  in the circuit diagram and printed wiring board.
2. Before returning a repaired unit to the customer, the service technician must thoroughly test the unit to ascertain that it is completely safe to operate without danger of electrical shock.

## SPECIFICATIONS

### • AUDIO SECTION

(Power amplifier)  
Rated output:

For (E, EBS)

Front: 80 W + 80 W (6  $\Omega$ /ohms, 20 Hz ~ 20 kHz with 0.1 % T.H.D.)  
Centre: 80 W (6  $\Omega$ /ohms, 20 Hz ~ 20 kHz with 0.1 % T.H.D.)  
Surround: 80 W + 80 W (6  $\Omega$ /ohms, 20 Hz ~ 20 kHz with 0.1 % T.H.D.)  
Front: 90 W + 90 W (6  $\Omega$ /ohms, 1 kHz, 0.1 %)  
Centre: 90 W (6  $\Omega$ /ohms, 1 kHz, 0.1 %)  
Surround: 90 W + 90 W (6  $\Omega$ /ohms, 1 kHz, 0.1 %)  
Front: A or B 6 to 16  $\Omega$ /ohms  
A + B 12  $\Omega$ /ohms or more  
Center/Surround: 6 to 16  $\Omega$ /ohms

For (W, WUN, WAU)

100 W + 100 W (EIAJ, 6 ohms)  
100 W (EIAJ, 6 ohms)  
100 W + 100 W (EIAJ, 6 ohms)

SINUS power:

Output terminals:

(Analog)

LINE input

Input sensitivity / input impedance: 200 mV / 47 k $\Omega$ /kohms  
Frequency response: 10 Hz ~ 50 kHz: +1, -3 dB  
S/N ratio: 93 dB (IHF-A weighted)  
Total harmonic distortion: 0.1% (20 Hz ~ 20 kHz)

PHONO input-REC OUT

Input sensitivity / input impedance: 2.5 mV / 47 k $\Omega$ /kohms  
RIAA deviation:  $\pm 1$  dB (20 Hz ~ 20 kHz)  
S/N ratio: 74 dB (IHF-A weighted, with 5mV input)  
Total harmonic distortion: 0.03% (1 kHz, 3V)  
Rated output / Maximum output: 150 mV / 7V

### • VIDEO SECTION

(Composite)

Input/output level and impedance: 1 Vp-p, 75  $\Omega$ /ohms  
Frequency response: 5 Hz ~ 10 MHz +1, -3 dB

(S-Video)

Input/output level and impedance: Y=1 Vp-p, C=0.286 Vp-p  
Frequency response: 5 Hz ~ 10 MHz +1, -3 dB

(Component)

Input/output level and impedance: Y=1 Vp-p, C<sub>B</sub>=0.7 Vp-p, C<sub>R</sub>=0.7 Vp-p  
Frequency response: 5 Hz ~ 10 MHz +1, -3 dB

### • TUNER SECTION

Receiving range:

[FM] (note:  $\mu$ V at 75 $\Omega$ /ohms, 0 dB =  $1 \times 10^{-16}$  W) [AM]

87.50 MHz ~ 108.00 MHz (0.05 MHz step) 522 kHz ~ 1611 kHz (9 kHz step) (E, EBS)  
522 kHz ~ 1611 kHz (9 kHz step),  
520 ~ 1710 kHz (10 kHz step) (W, WUN, WAU)  
600  $\mu$ V  
23  $\mu$ V (38.5 dBf)  
80 dB (IHF-A weighted)  
75 dB (IHF-A weighted)  
0.2% (1kHz)  
0.4% (1kHz)

Usable sensitivity:

50 dB quieting sensitivity:

S/N ratio:

Total harmonic distortion:

2.0  $\mu$ V (17.2 dBf)  
STEREO  
MONO  
STEREO  
MONO  
STEREO

### • GENERAL

Power supply: AC 230V, 50 Hz (E,EBS), AC 110 ~ 127V/220 ~ 240V, 50/60 Hz (W, WUN, WAU)  
Power consumption: 180 W (Standby mode = 1.5W)  
Maximum external dimensions: 434 (W)  $\times$  144 (H)  $\times$  320 (D) mm  
Weight: 8.1 kg

### • REMOTE CONTROL UNIT (RB-DD1S)

Batteries: R6P/AA Type (two batteries)  
External dimensions: 54 (W)  $\times$  172 (H)  $\times$  27.2 (D) mm  
Weight: 100 g (including batteries)

• Accessory supplied:

Operating instructions, Remote control unit (RB-DD1S),  
R6P/AA batteries, AM loop antenna and FM indoor antenna

\* For purposes of improvement, specifications and design are subject to change without notice.

## SERVICE POINTS

### 1. Removal of Top Cover

- (a) Remove 2 screws ① from each side.
- (b) Remove 4 screws ② from the rear plate.

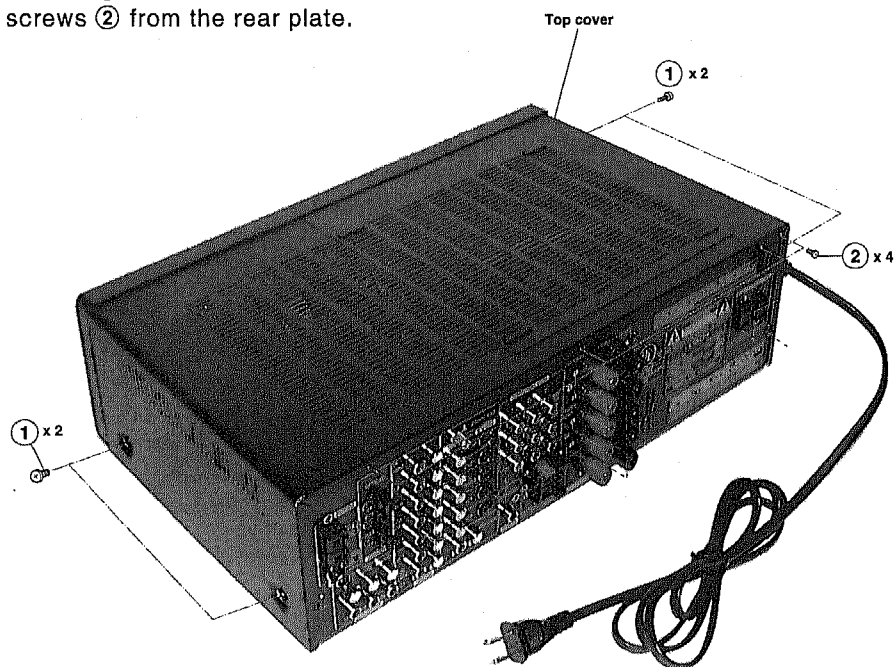


Fig. 1

### 2. Removal of Rear Plate

- (a) Remove 28 screws ③ and 1 screw ④ from the rear plate.
- (b) Remove 5 screws ⑤ from the Bottom Chassis.

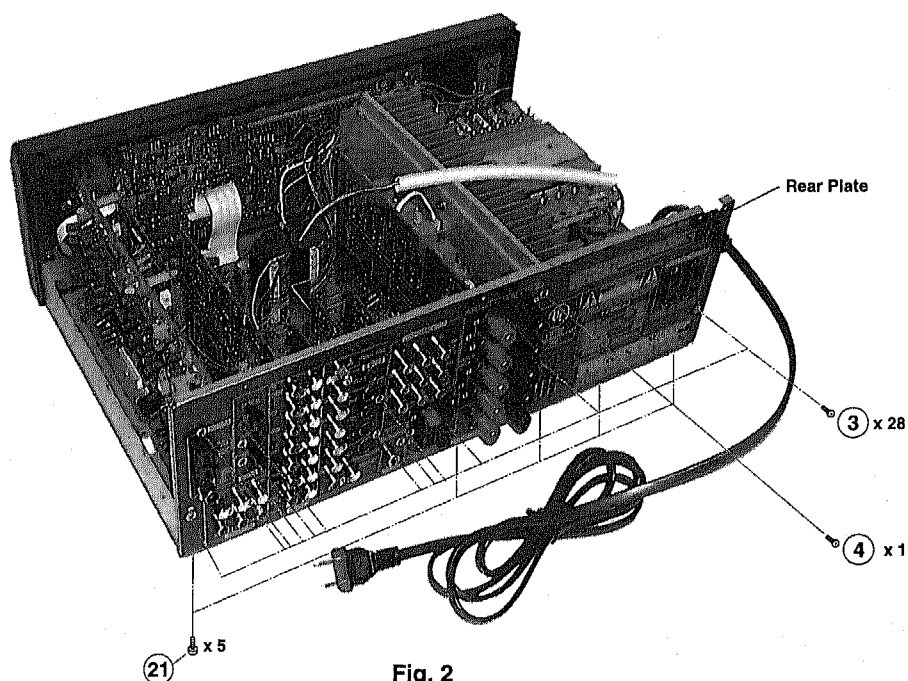


Fig. 2

### 3. Removal of Tuner & DSP PWB board

- Remove the Push Rivet from the Holder (Front) & Holder (Back) then remove the flat cable (Z) at the Tuner PWB.
- Remove 1 screw (19) to detach the shield plate from the bottom chassis.
- Gently pull the Tuner & DSP PWB board upwards to detach its connectors (A, B, C, D, E & F) from Main PWB board.

#### Removal of Audio PWB board

- Gently pull the Audio PWB board upwards to detach its 4 connectors (H, I, J & K) from Main PWB board.

#### Removal of S Video/Composit PWB board

- Gently pull the Composit and S Video PWB board upwards to detach its 2 connectors (L & M) from Main PWB board.

#### Removal of Components PWB board

- Gently pull the Components PWB board upwards to detach its connector (N) from Main PWB board.

#### Removal of Relay PWB board

- Gently pull the Relay PWB board upwards to detach its 3 connectors (O, P & Q) from Main PWB board.

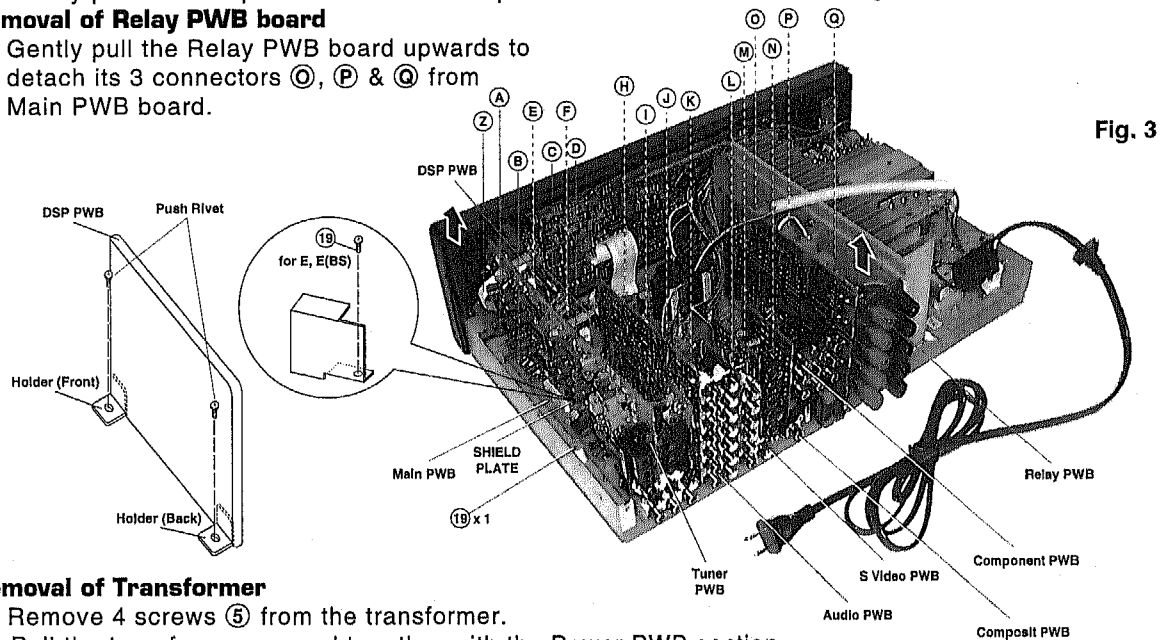


Fig. 3

### 4. Removal of Transformer

- Remove 4 screws (5) from the transformer.
- Pull the transformer upward together with the Power PWB section.

#### Removal of Power PWB board

- Remove 1 screw (6) from the Bottom chassis at the side.
- Release the Power PWB board from its 3 holding claws (PWB support) and gently pull the board free.

#### Removal of Main PWB board

- Detach Flat Cable from FL PWB Board.
- Remove 4 screws (7) to release the Power IC from the heat-sink.
- Remove 3 screws (20) to release the bracket from the heat-sink.
- Remove 1 screw (8) to release the Component from the heat-sink.

#### Removal of Heat-Sink

- Invert the Bottom Chassis, remove 2 screws (9) connect to the heat-sink (Fig 5).

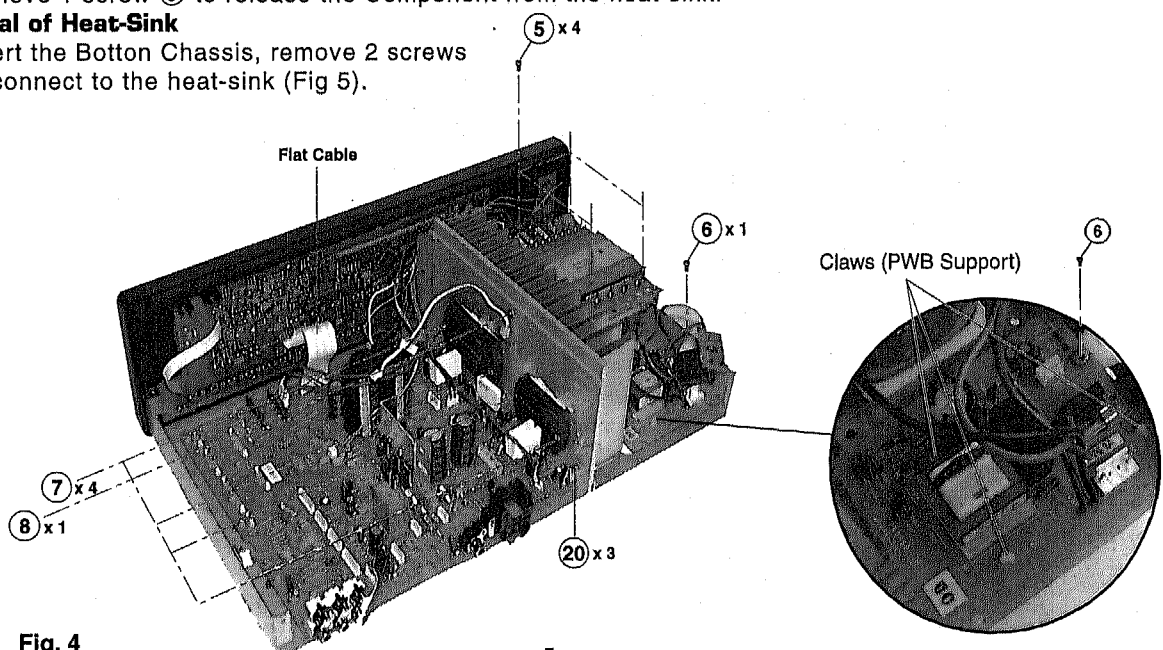
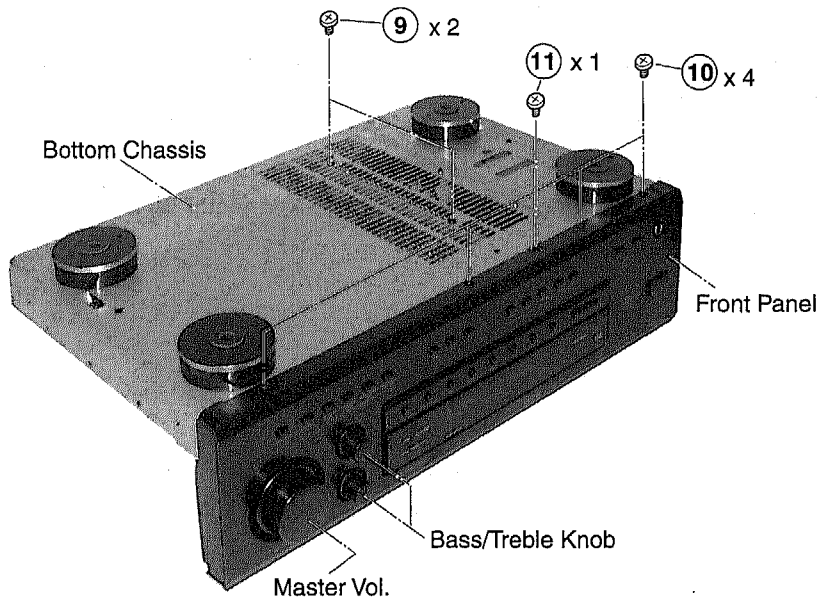


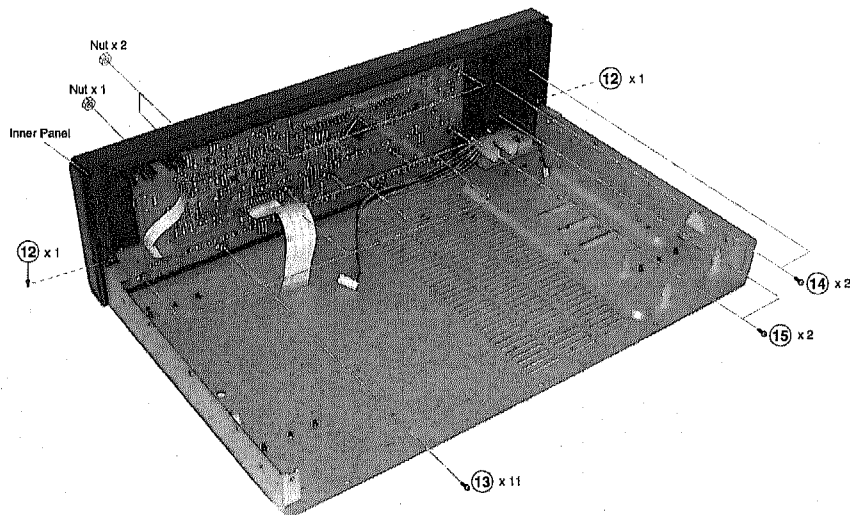
Fig. 4

**5. Removal of Front Panel**

- (a) Invert the Bottom Chassis and remove 4 screws ⑩.
- (b) Remove the Master Vol. & Bass/Treble knob before remove the Front panel.

**Fig. 5****6. Removal of Inner Panel, Power Switch, Phone Jack & FL board.**

- (a) Release the inner panel from the bottom chassis by remove 1 screw ⑪ (Fig 5) and 2 screws ⑫.
- (b) Remove 11 screws ⑬ and 3 nuts to release the FL board.
- (c) Remove 2 screws ⑭ to release the Power switch.
- (d) Remove 2 screws ⑮ to release the Phone Jack.

**Fig. 6**

**7. Removal of Foot**

(a) Remove 4 screws ⑩ to remove foot.

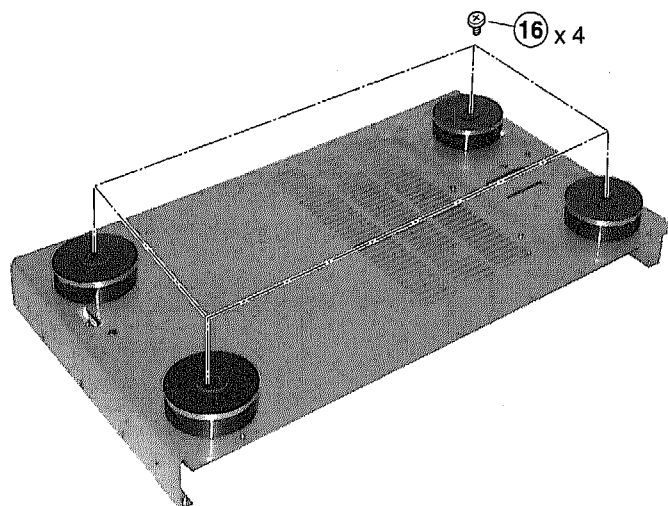


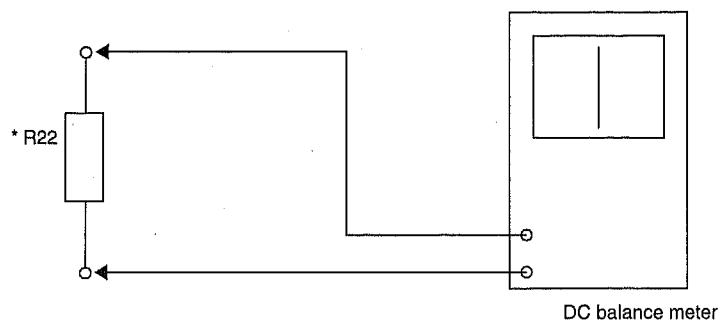
Fig. 7

## ADJUSTMENTS

### 1) FM Discriminator

Measuring instrument and condition.

| Input terminal                             | Output terminal | Measuring instrument | Frequency | Adjust | Reading |
|--------------------------------------------|-----------------|----------------------|-----------|--------|---------|
| FM antenna<br>1kHz, 60dBu,<br>22.5kHz dev. | * R22           | DC balance meter     | 98.1 MHz  | T4     | 0±30mV  |



### 2) Voltage of covering (Reference)

| Band | Destination               | Frequency | Specification |            | Note |
|------|---------------------------|-----------|---------------|------------|------|
|      |                           |           | Limit(V)      | Average(V) |      |
| FM   | E/EBS<br>(50kHz step)     | 87.50MHz  | 1.3-3.7       | 2.4        |      |
|      |                           | 108.00MHz | 6.0-9.0       | 7.5        |      |
|      | W/WUN/WAU<br>(50kHz step) | 87.50MHz  | 1.3-3.7       | 2.4        |      |
|      |                           | 108.00MHz | 6.0-9.0       | 7.5        |      |
| AM   | E/EBS<br>(9kHz step)      | 522kHz    | 0.9-1.2       | 1.1        |      |
|      |                           | 1,611kHz  | 6.0-9.0       | 7.5        |      |
|      | W/WUN/WAU<br>(9kHz step)  | 522kHz    | 0.9-1.2       | 1.1        |      |
|      |                           | 1,611kHz  | 6.0-9.0       | 7.5        |      |

### 3) Tuning level (dB) adjustment

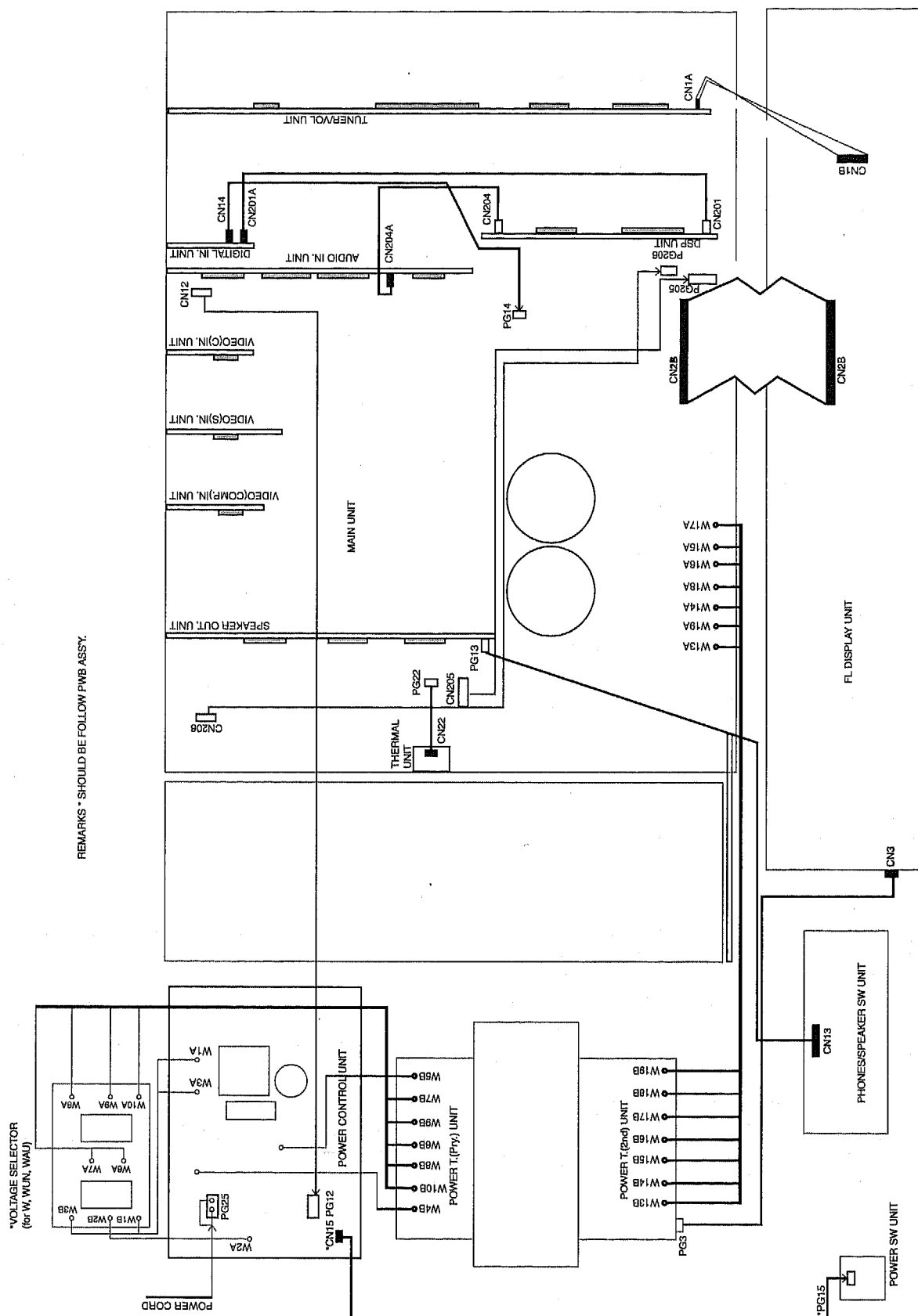
Input – FM antenna, 1 KHz, 26 dBμV, 75 KHz

Adjust – VR1

Limit – 26±2dB

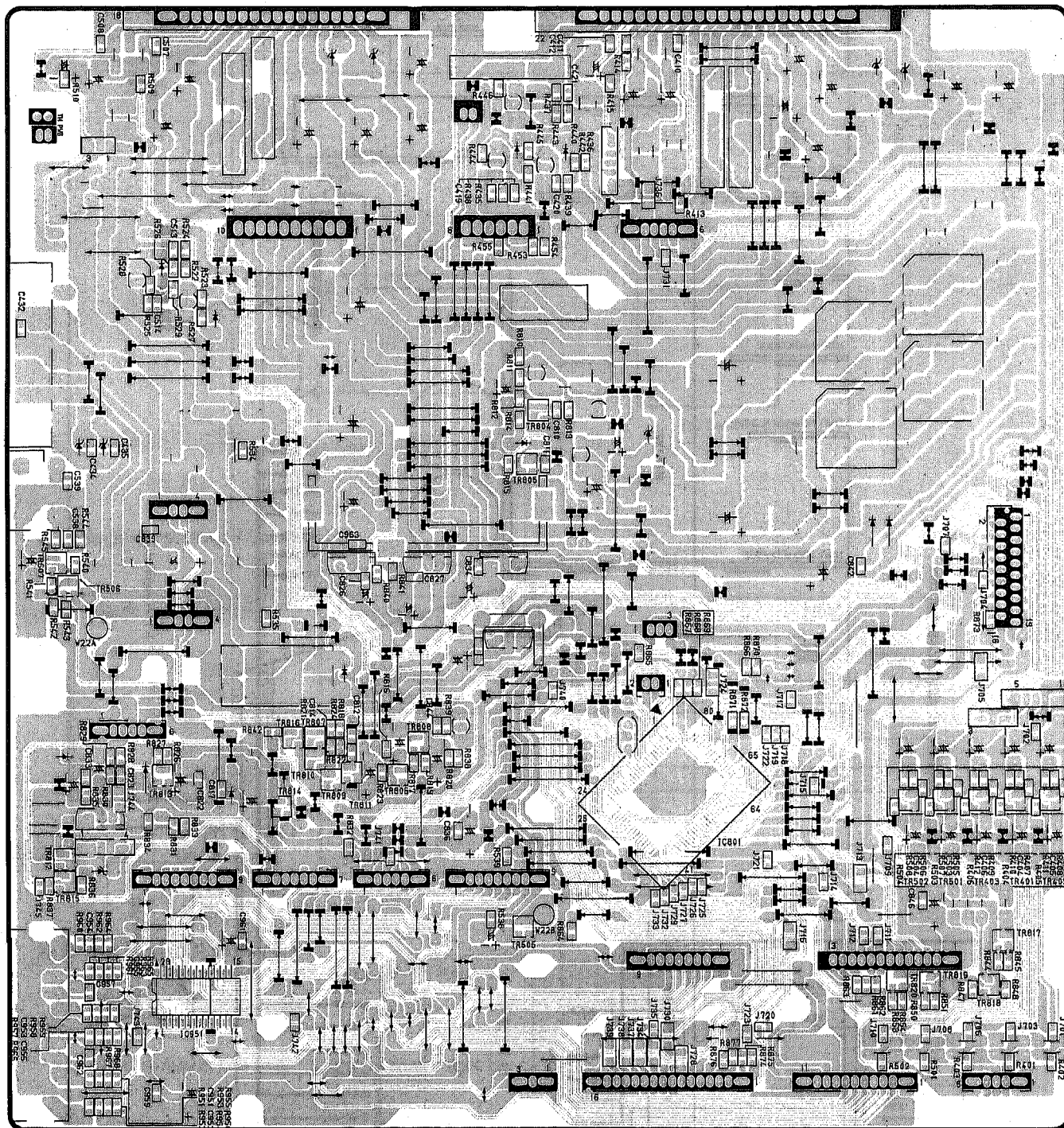
(NOTE) Adjust VRI until "Tuned" Indicator light on.

# WIRING DIAGRAM



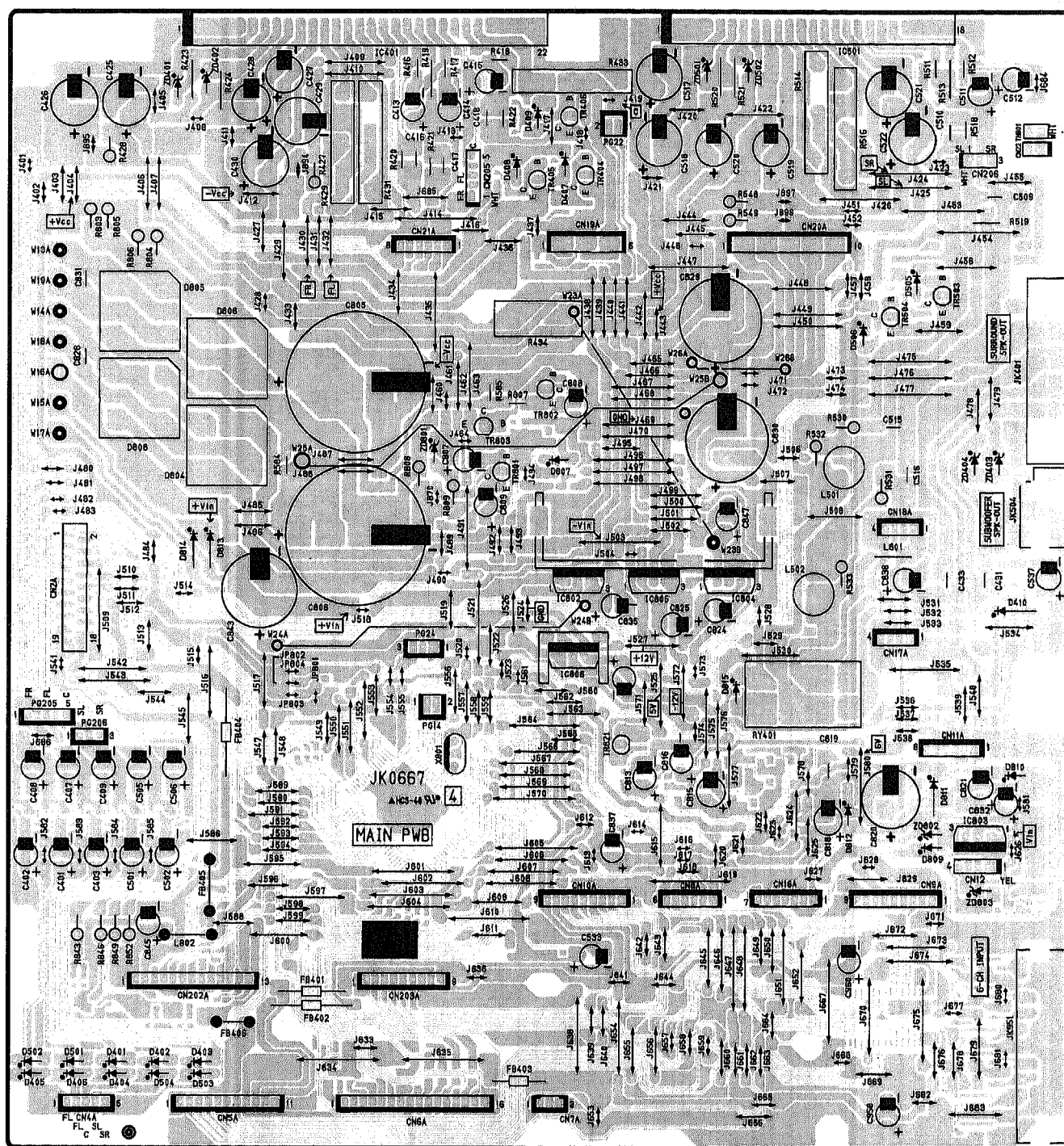
**PRINTED WIRING BOARD**

Soldering Side



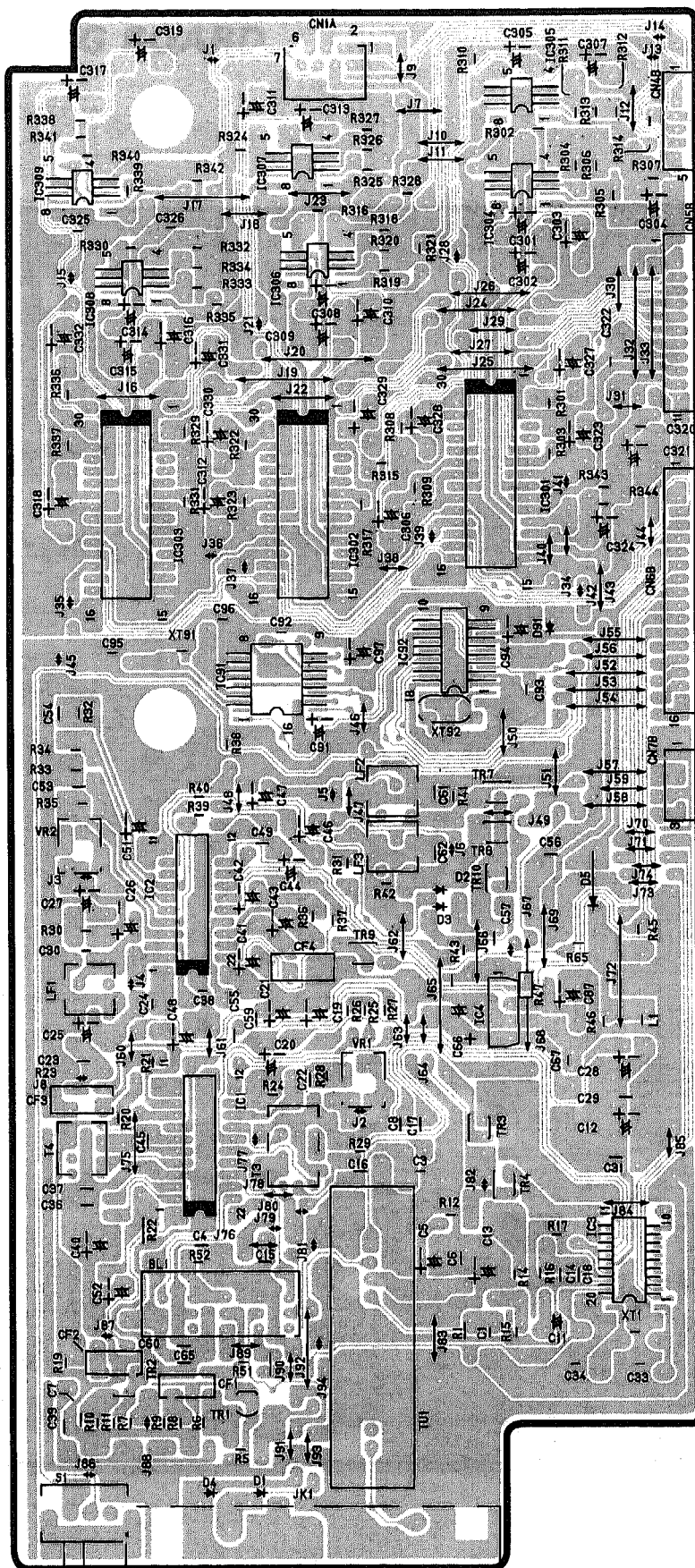
MAIN PWB

### Component Side

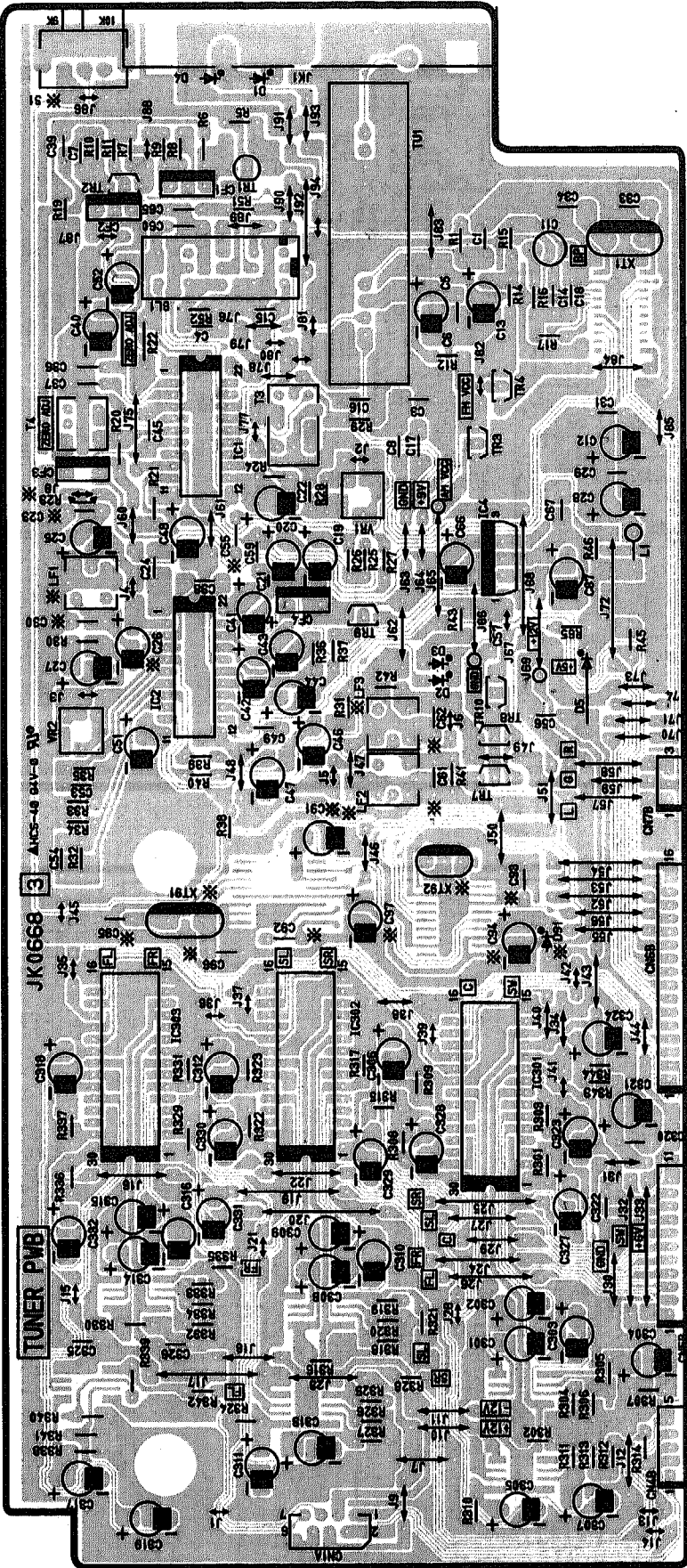


## MAIN PWB

Soldering Side

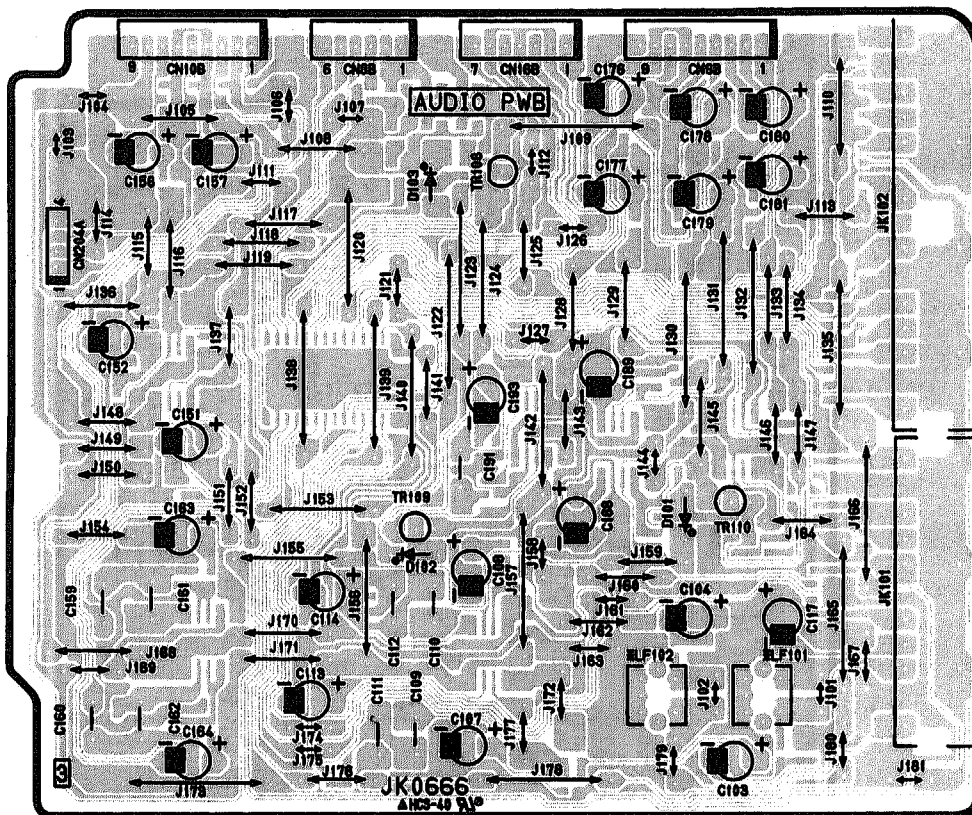


TUNER PWB

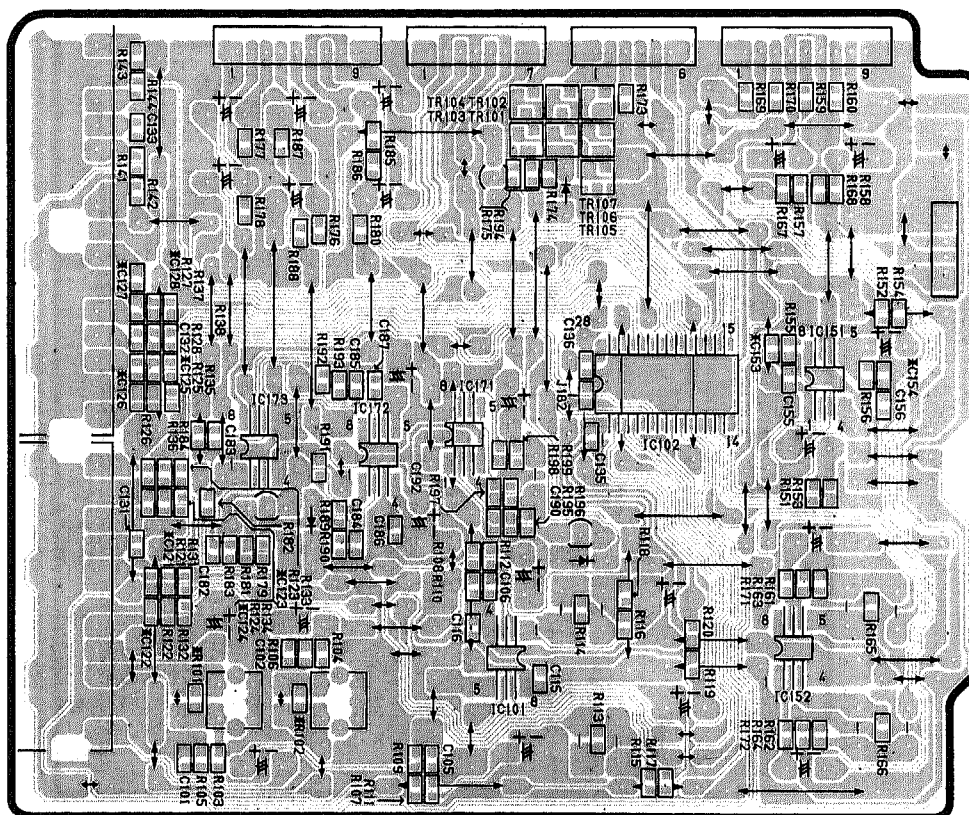


## TUNER PWB

*Component Side*

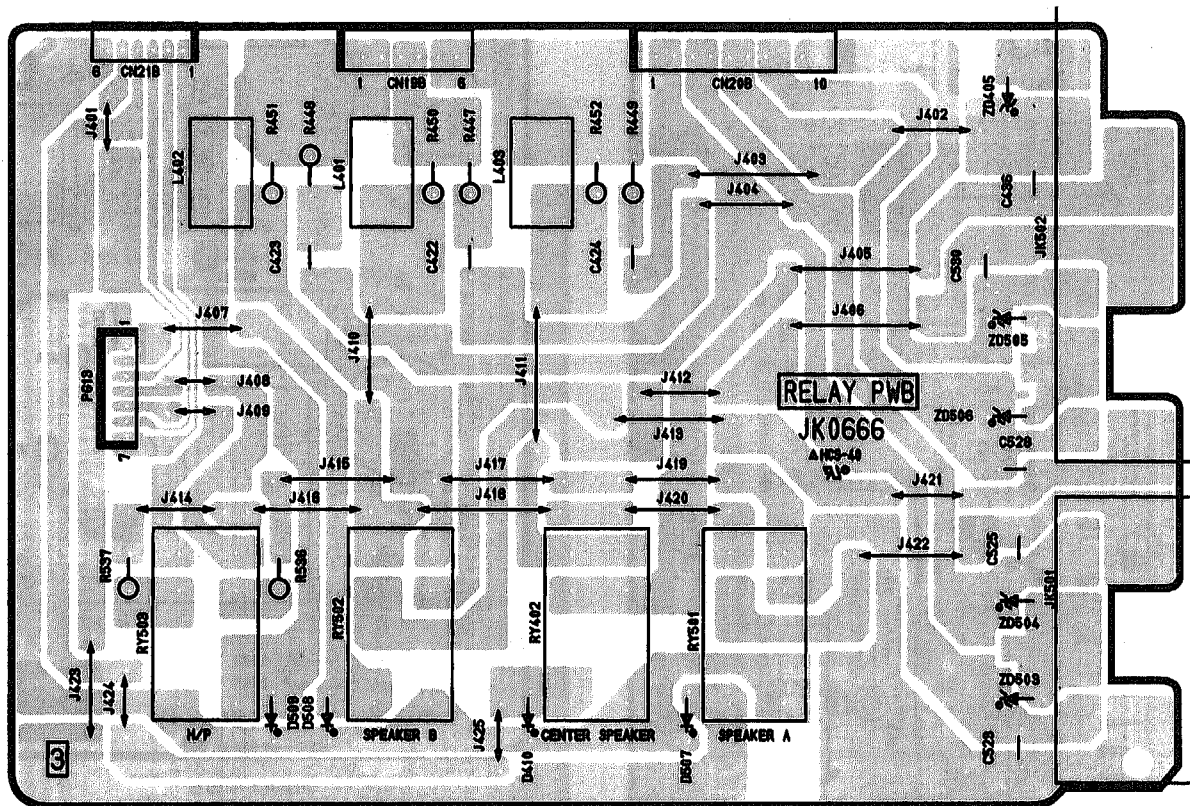


*Soldering Side*

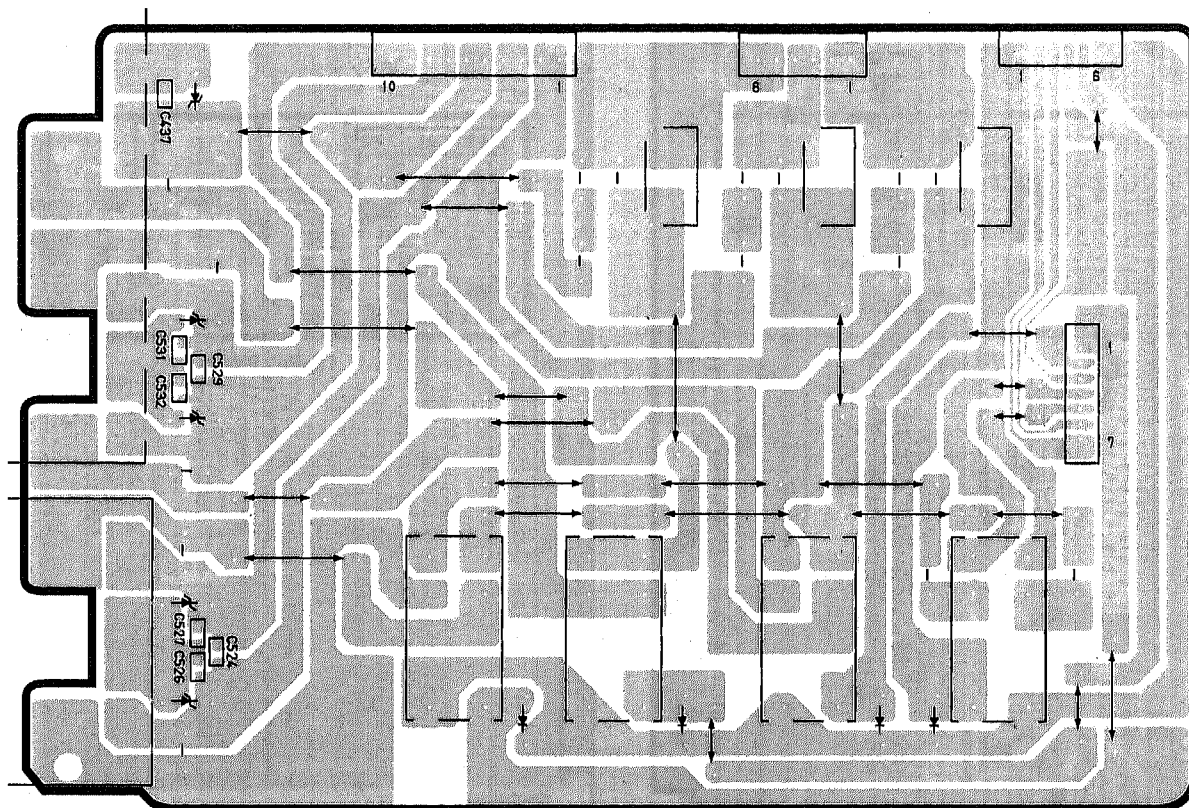


## Audio PWB

### Component Side

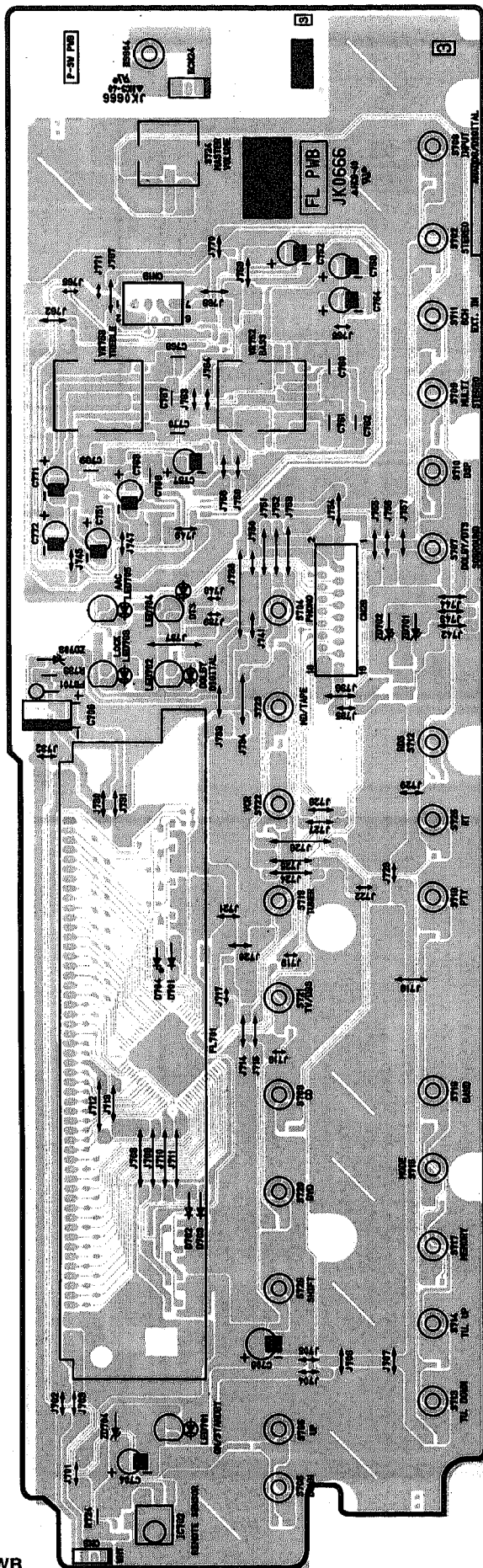


*Soldering Side*

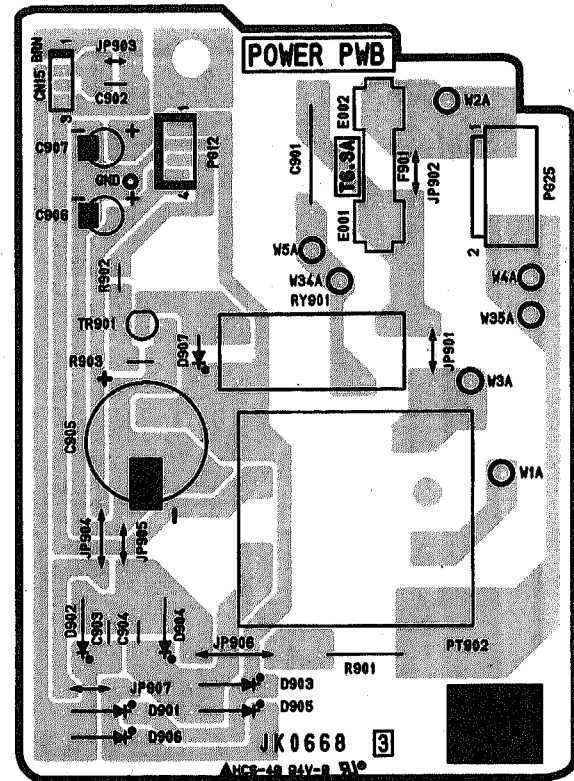


## Relay PWB

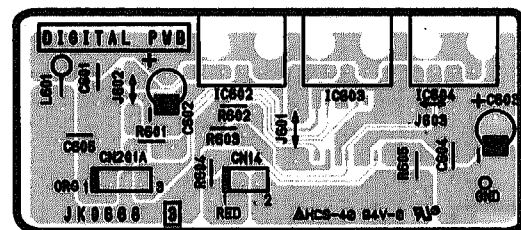
## Component Side



FL PWB



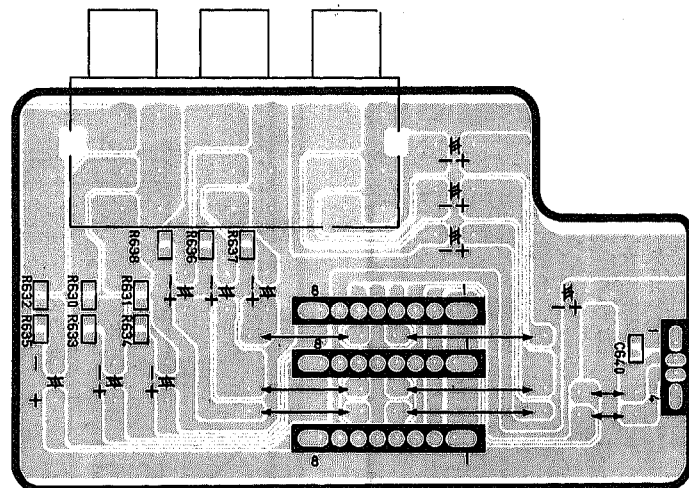
Power PWB



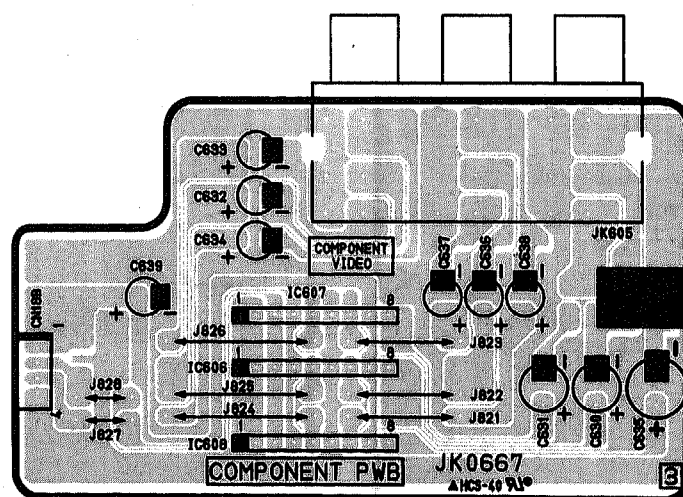
Digital PWB



Soldering Side

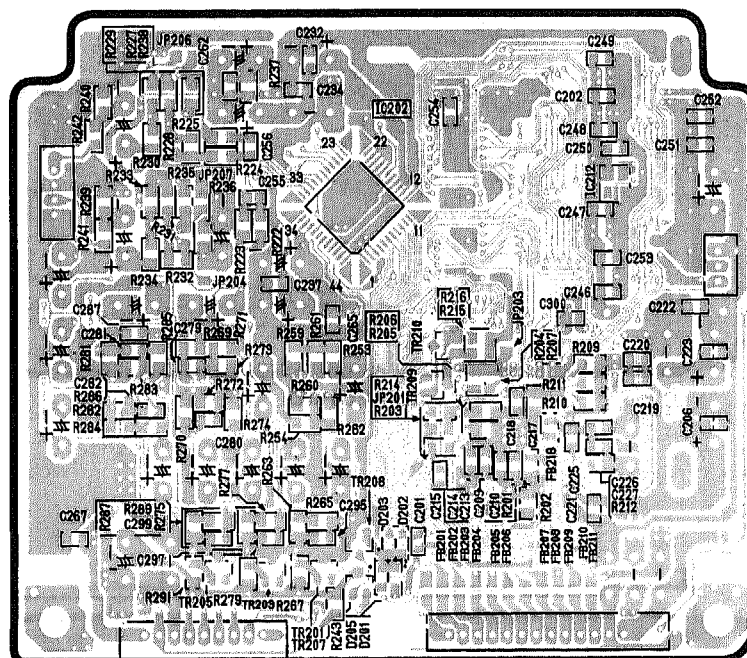


Component Side

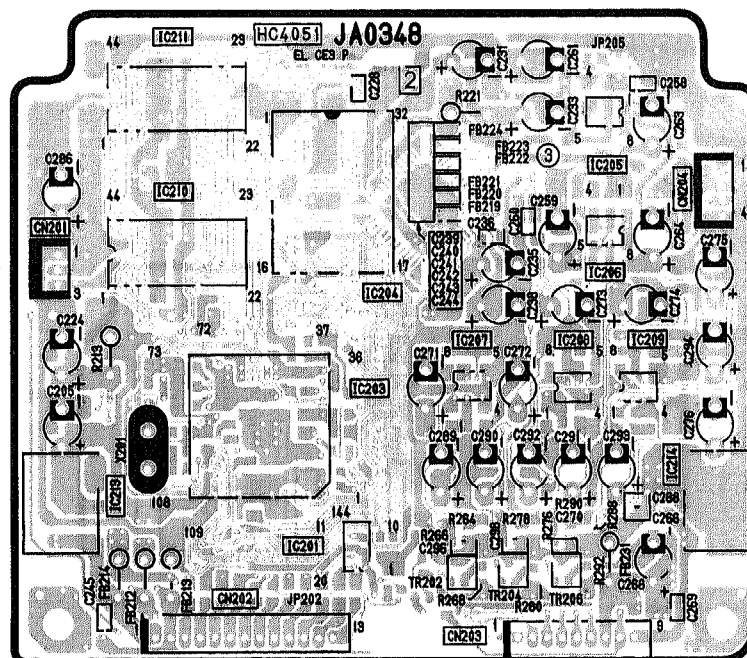


Component PWB

Soldering Side

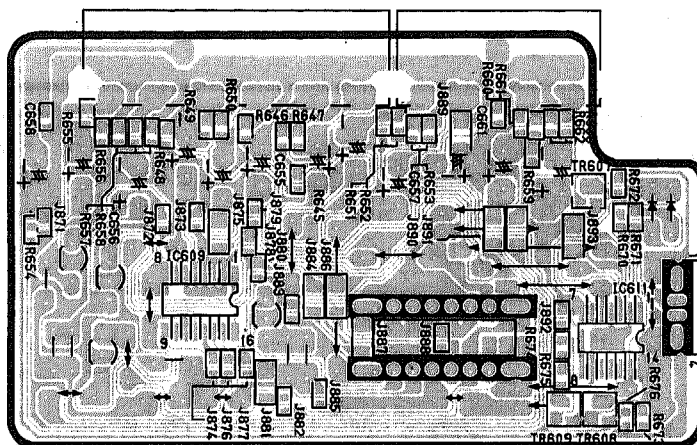


Component Side

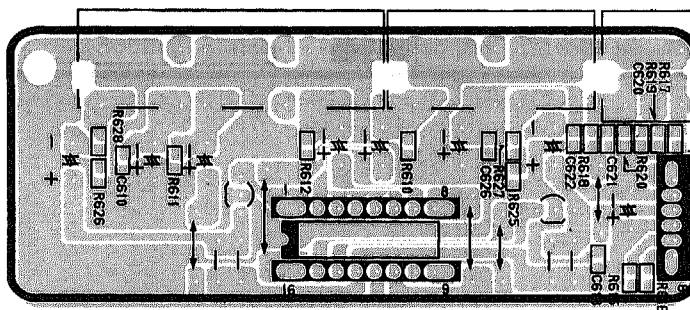


DSP PWB

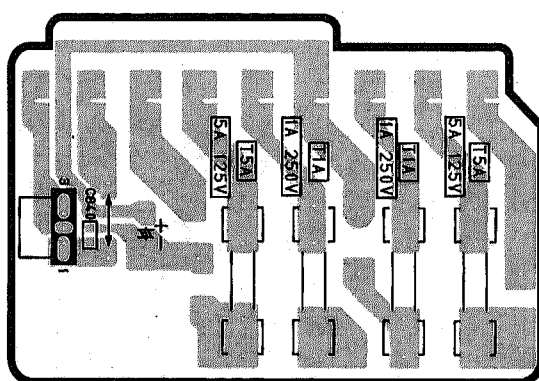
*Soldering Side*



### S-Video PWB

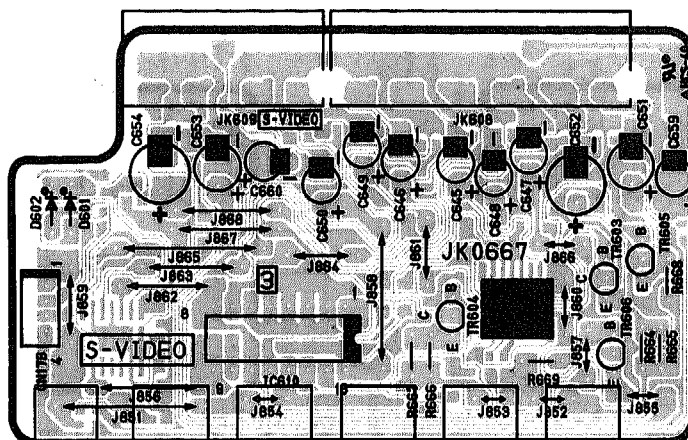


## Composit PWB

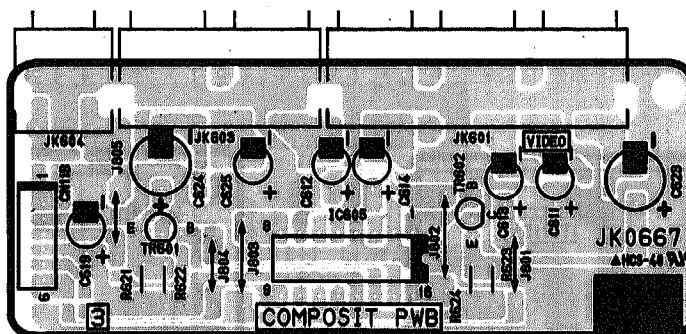


PT2 PWB

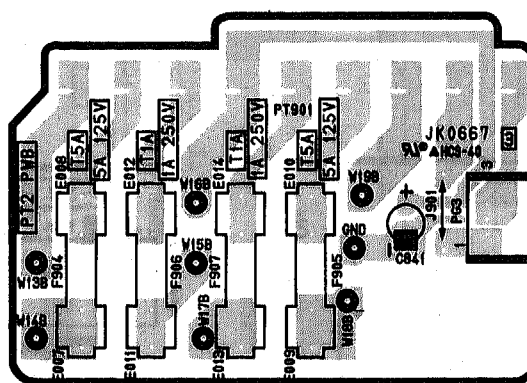
*Component Side*



### S-Video PWB

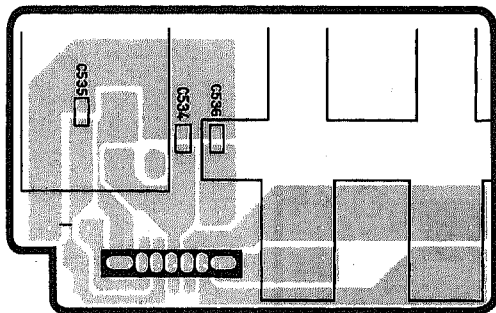


### Composit PWB



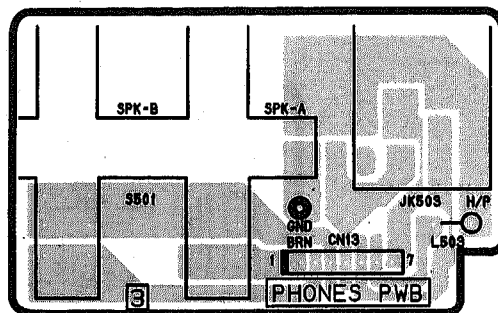
PT2 PWB

## Soldering Side

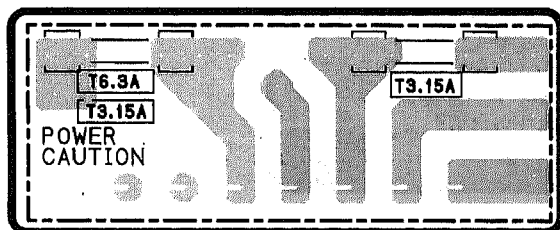


Phone PWB

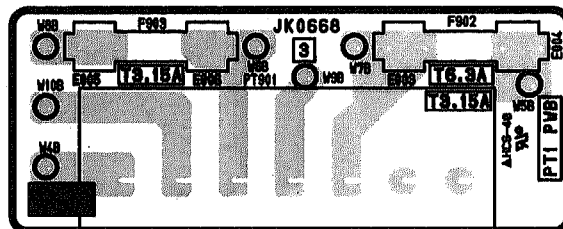
## Component Side



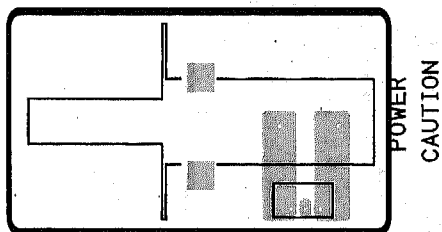
Phone PWB



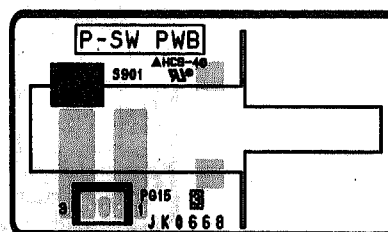
PT1 PWB



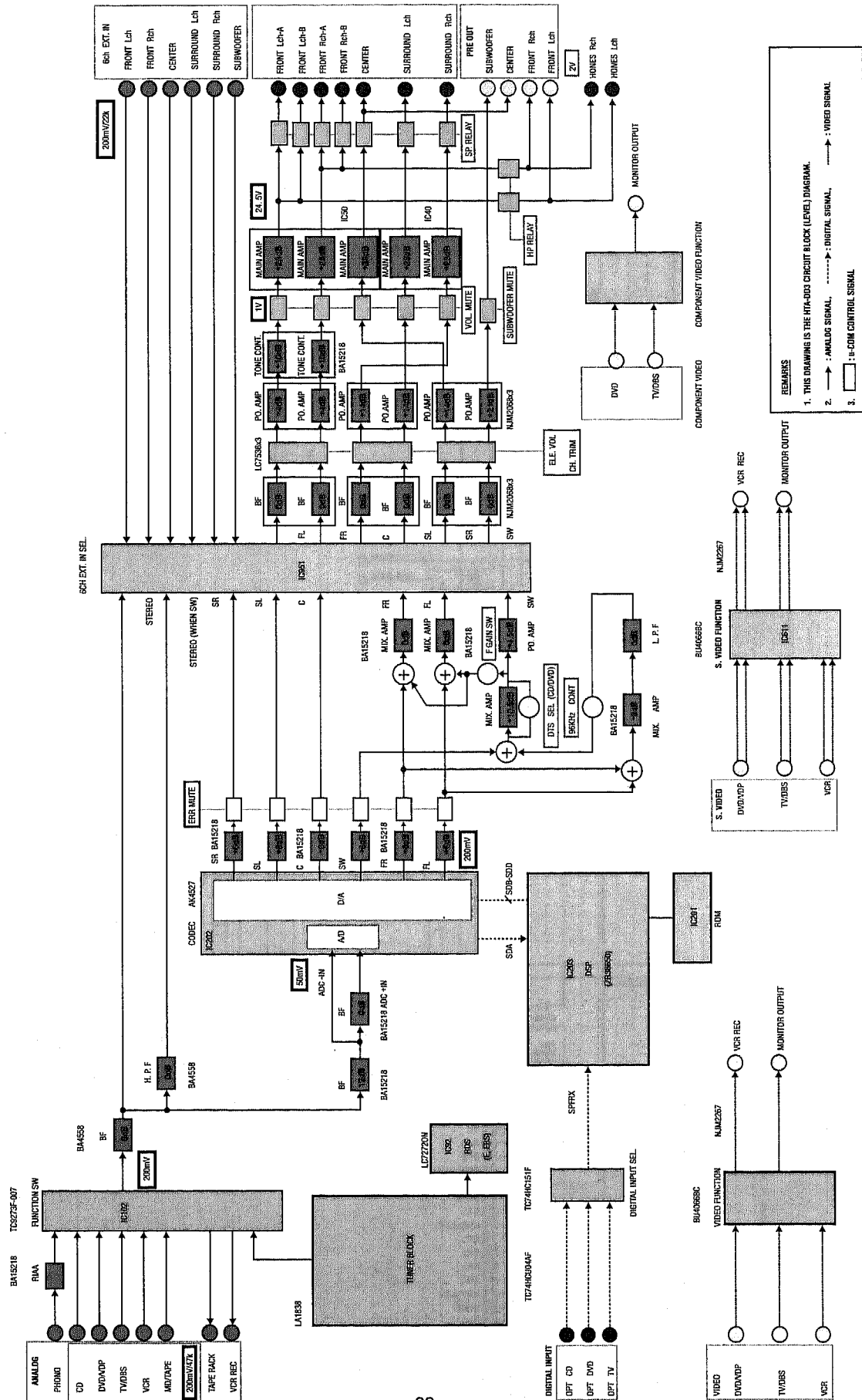
PT1 PWB



P-SW PWB

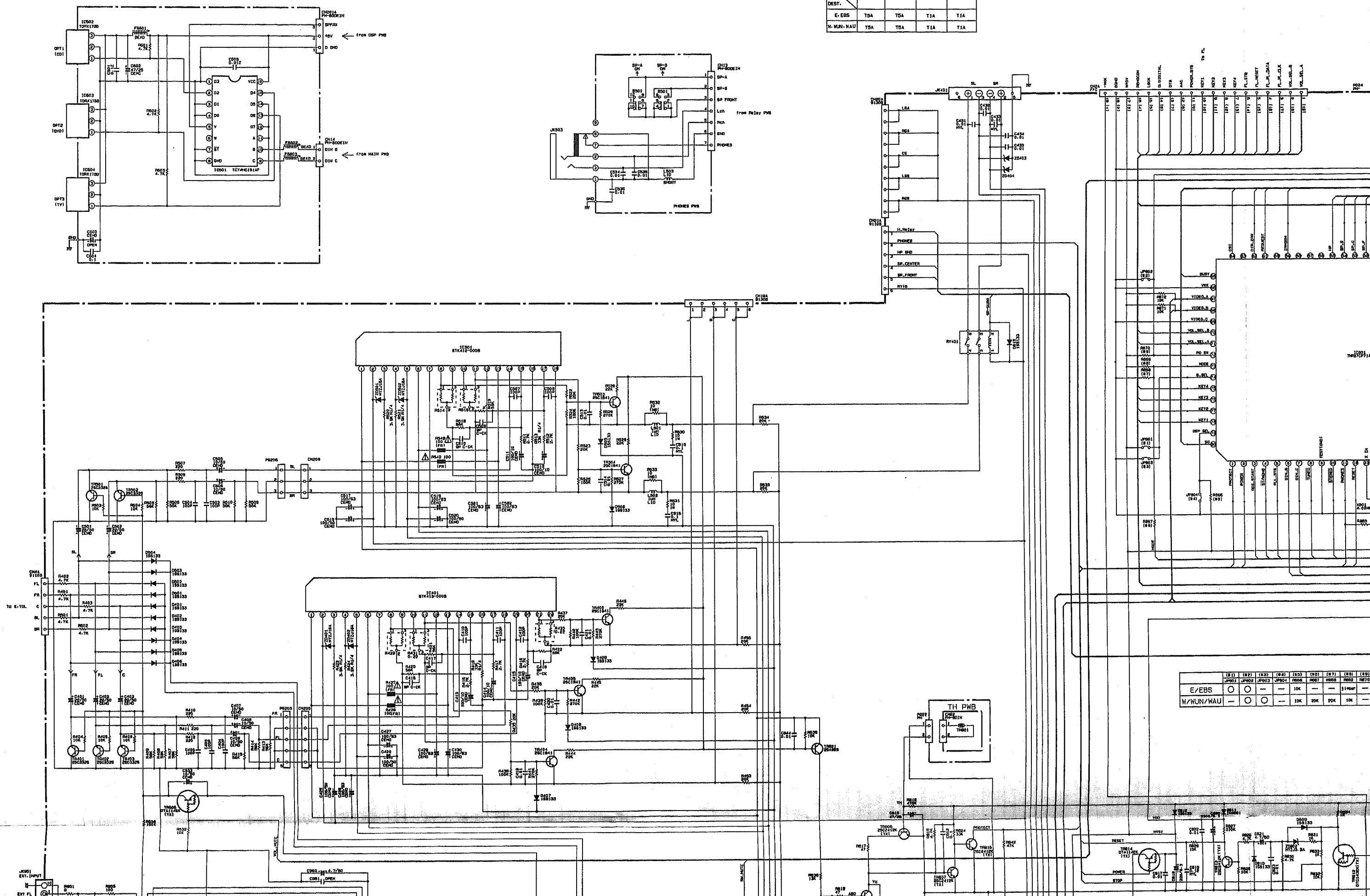


P-SW PWB





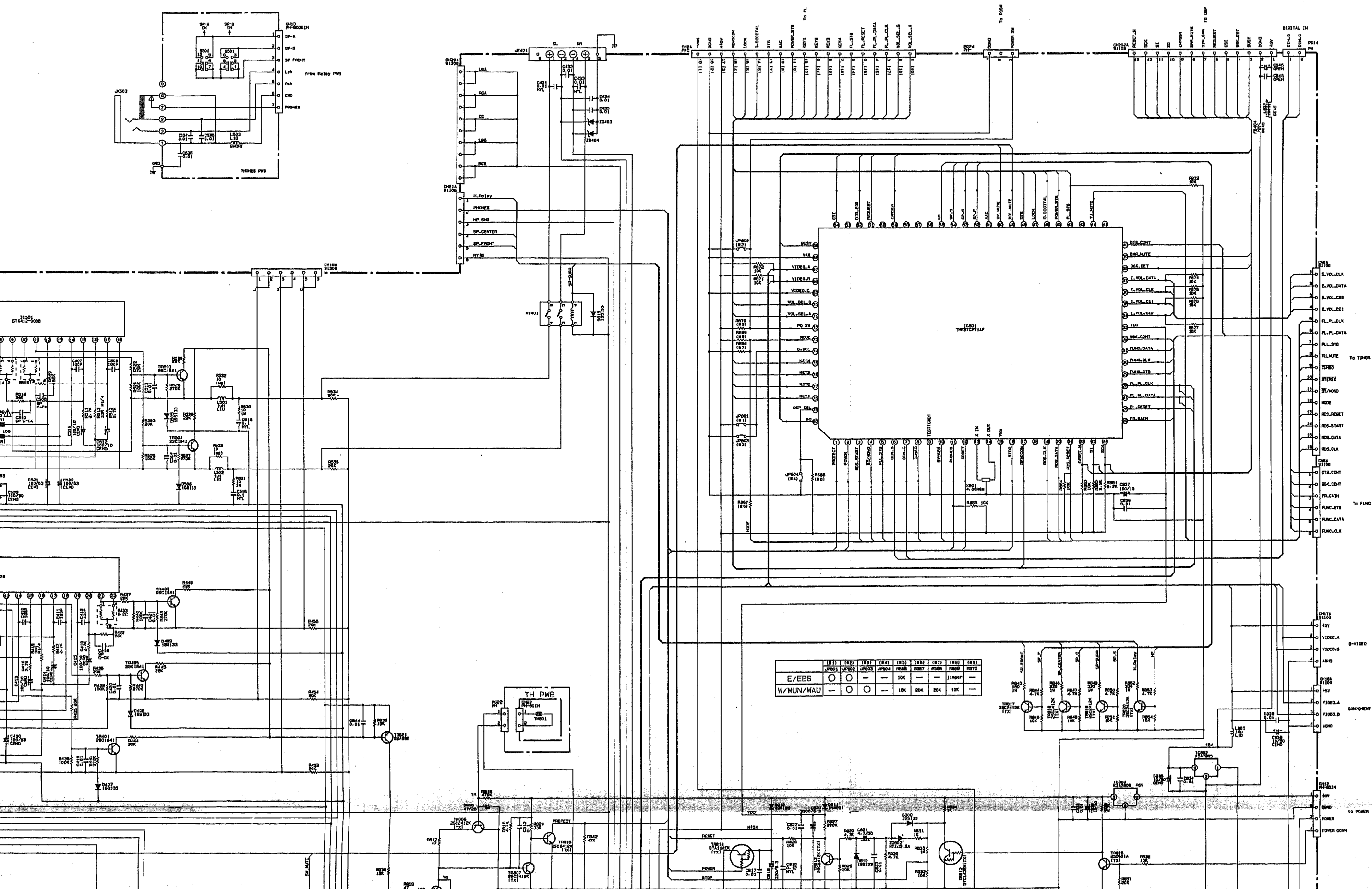
**MAIN diagram**



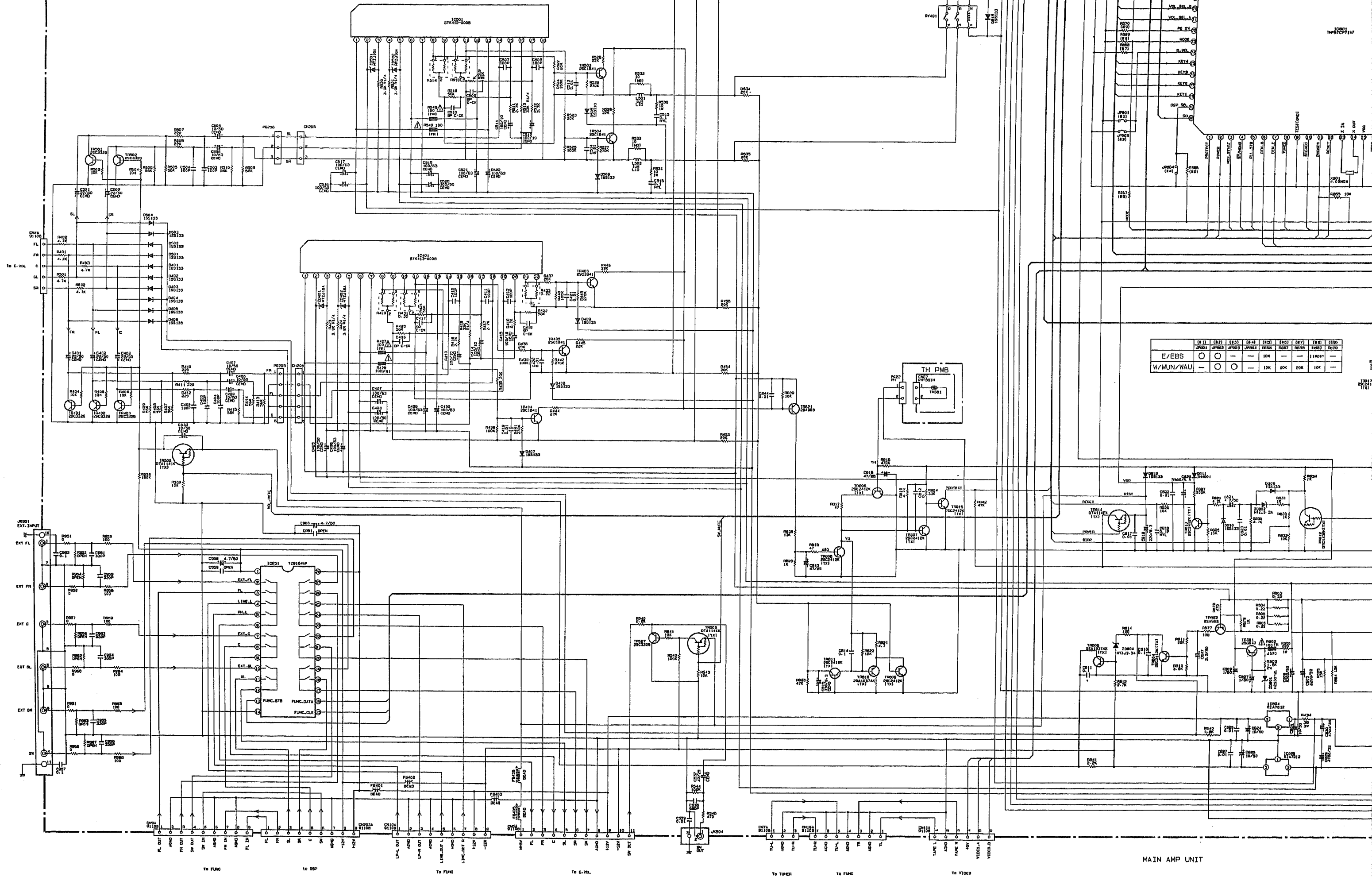
|                    |             |             |             |             |
|--------------------|-------------|-------------|-------------|-------------|
| <b>FUSE</b>        | <b>F904</b> | <b>F905</b> | <b>F906</b> | <b>F907</b> |
| <b>DEST.</b>       |             |             |             |             |
| <b>E. EBS</b>      | <b>T5A</b>  | <b>T5A</b>  | <b>T1A</b>  | <b>T1A</b>  |
| <b>M. MUN. HAU</b> | <b>T5A</b>  | <b>T5A</b>  | <b>T1A</b>  | <b>T1A</b>  |

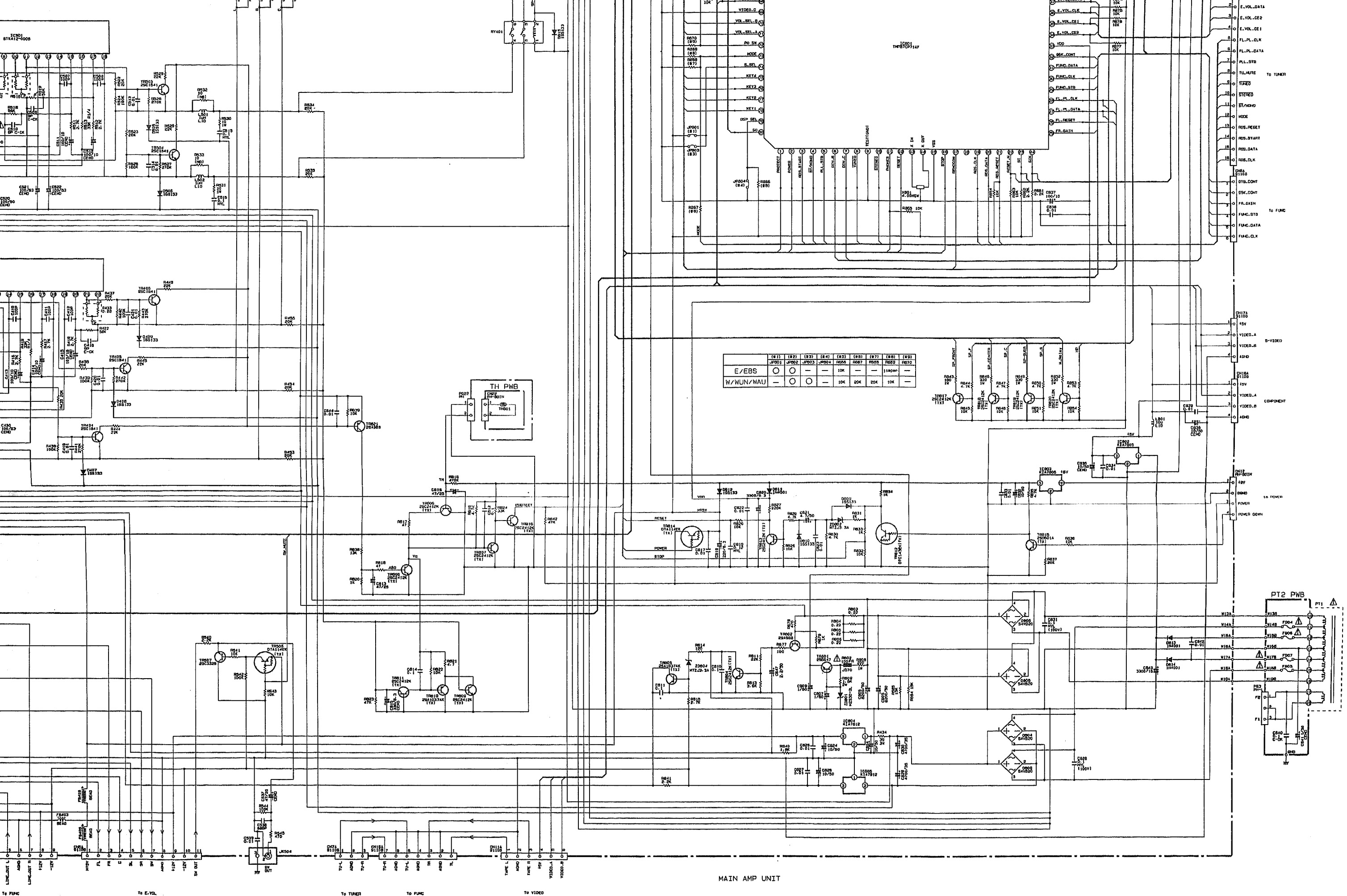
|           | (P1)  | (P2)  | (P3)  | (P4)  | (P5)  | (P6)  | (P7)  | (P8)  | (P9)  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           | JP001 | JP002 | JP003 | JP004 | JP005 | JP007 | JP008 | JP009 | JP010 |
| E/EBS     | ○     | ○     | —     | —     | 10K   | —     | —     | 1000R | —     |
| W/WUN/MAU | —     | ○     | ○     | —     | 10K   | 20K   | 20K   | 10K   | —     |

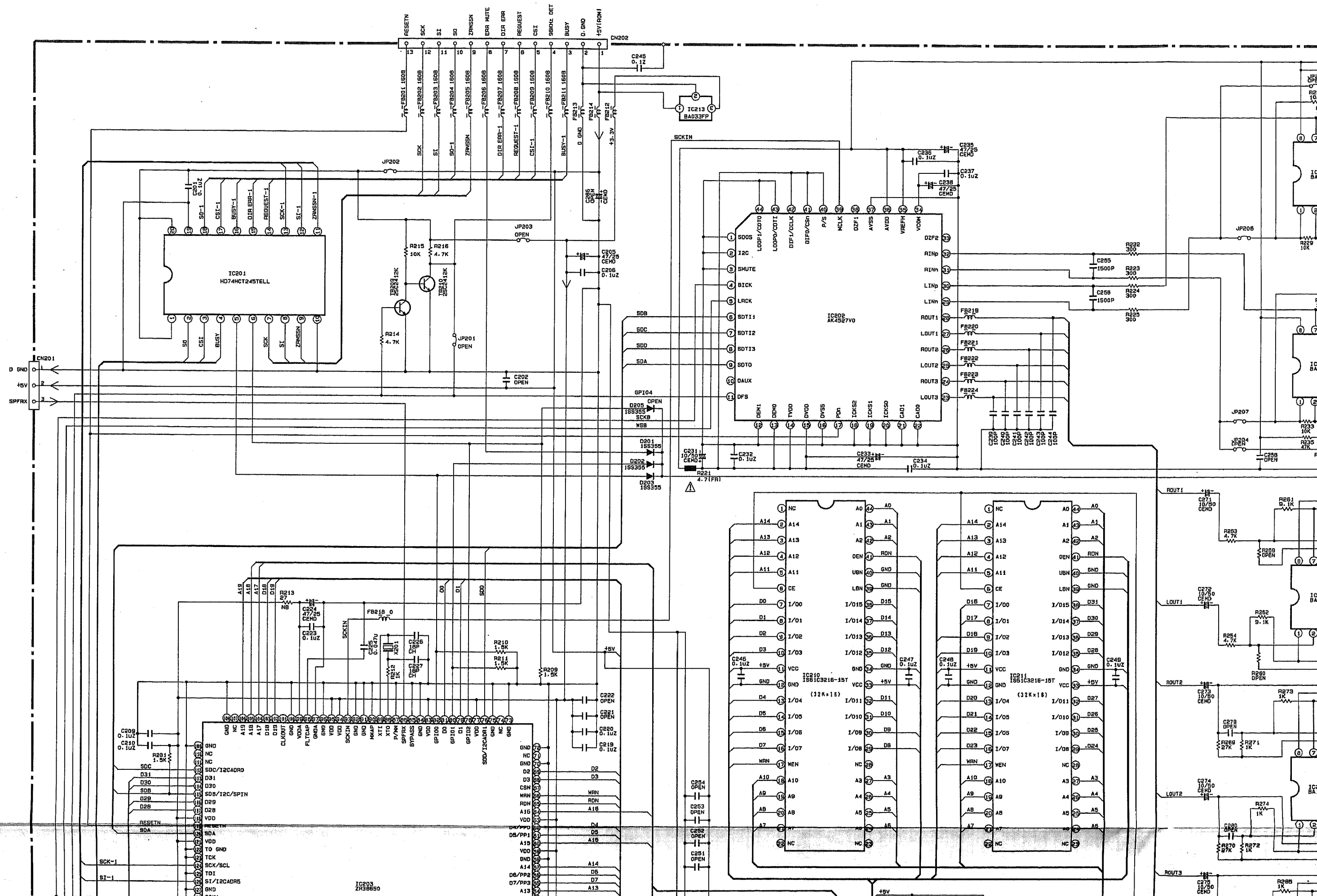
| FUSE      | F804 | F805 | F806 | F807 |
|-----------|------|------|------|------|
| DEST.     |      |      |      |      |
| E-EBS     | TSA  | TSA  | T1A  | T1A  |
| W-WUN/MAU | TSA  | TSA  | T3A  | T1A  |

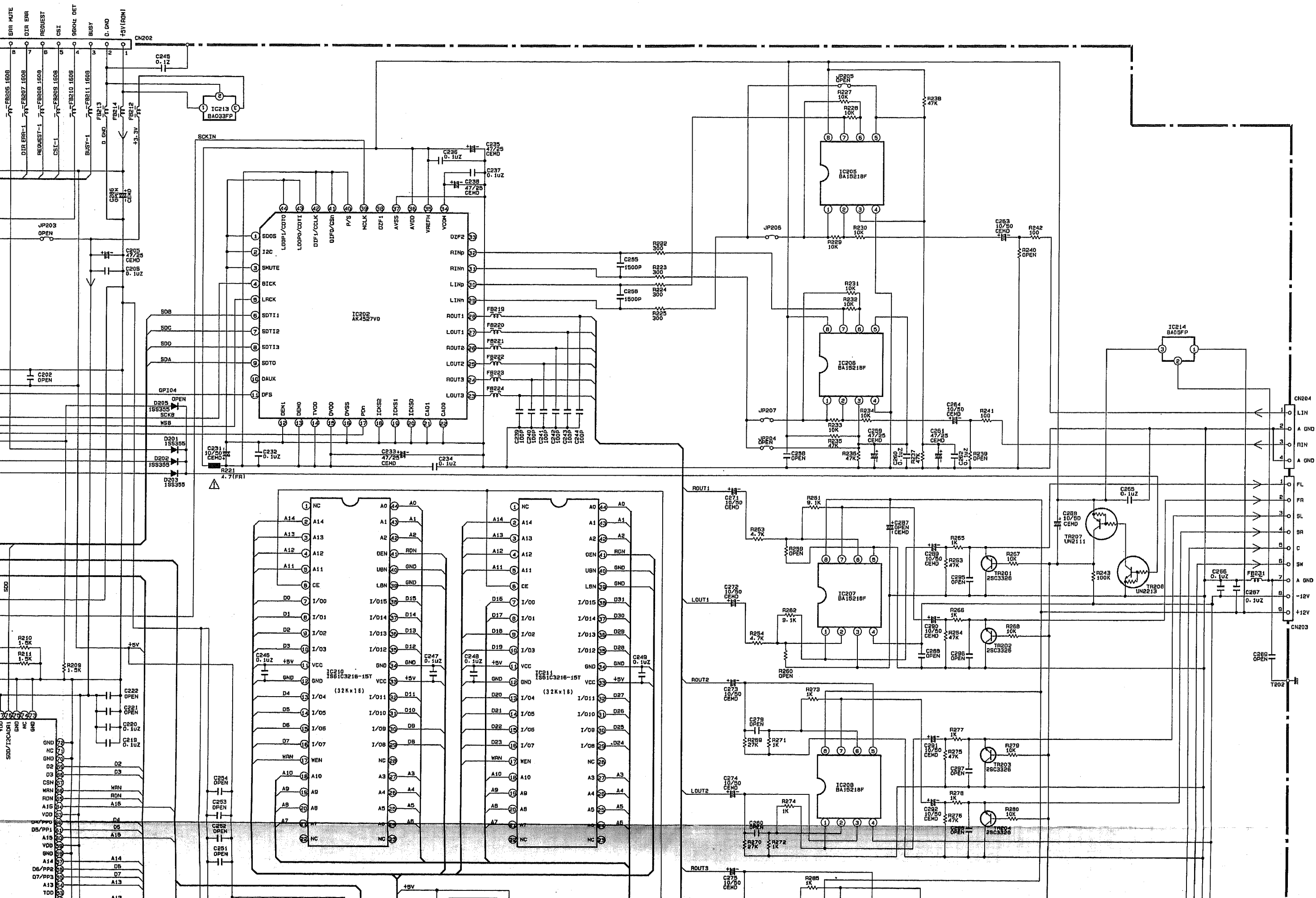


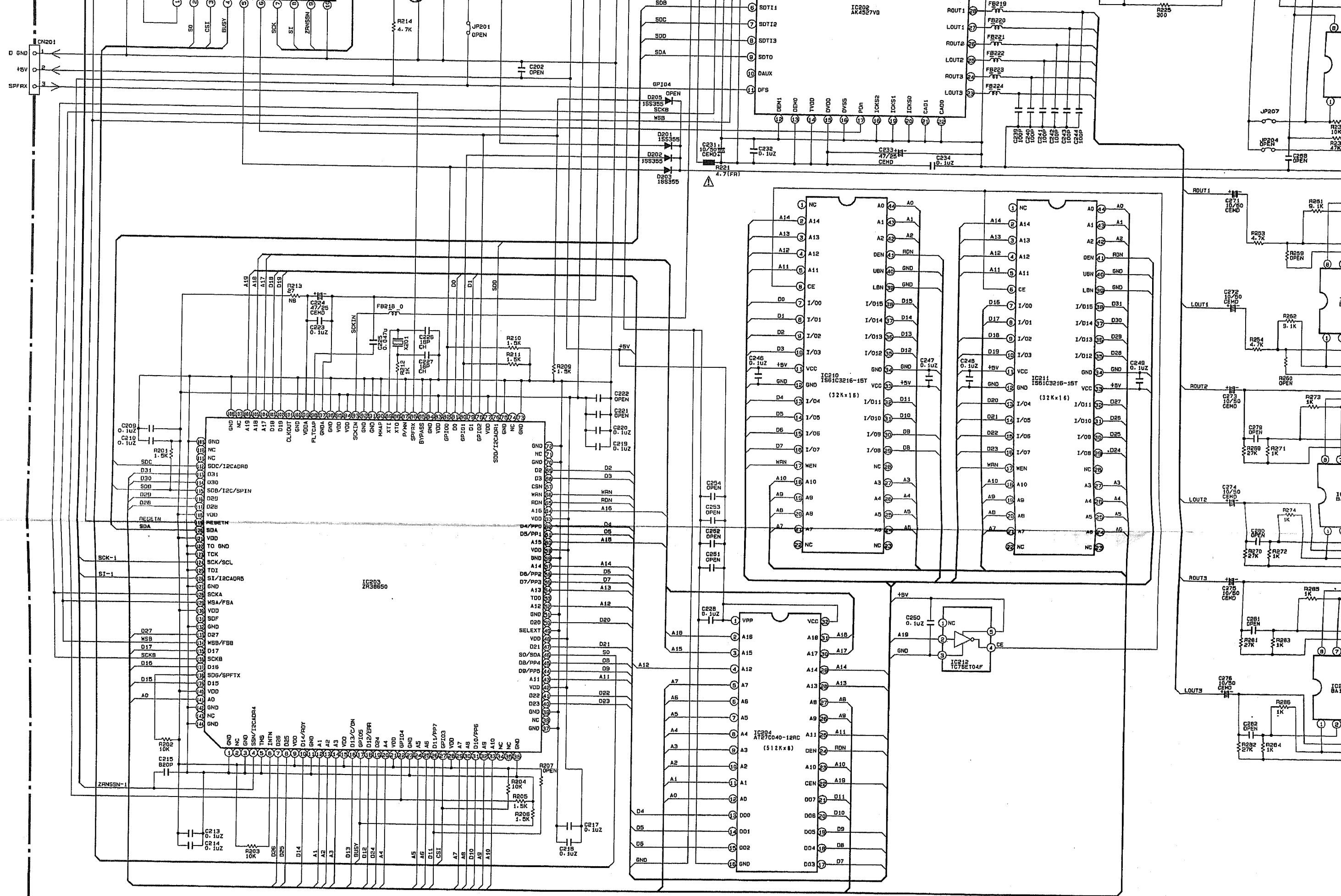
|           | (81) | (82) | (83) | (84) | (85) | (86) | (87) | (88) | (89) |
|-----------|------|------|------|------|------|------|------|------|------|
| E/EBS     | ○    | ○    | ○    | ○    | 10K  | ○    | 10K  | 10K  | 10K  |
| W/WUN/MAU | ○    | ○    | ○    | ○    | 10K  | 10K  | 10K  | 10K  | 10K  |

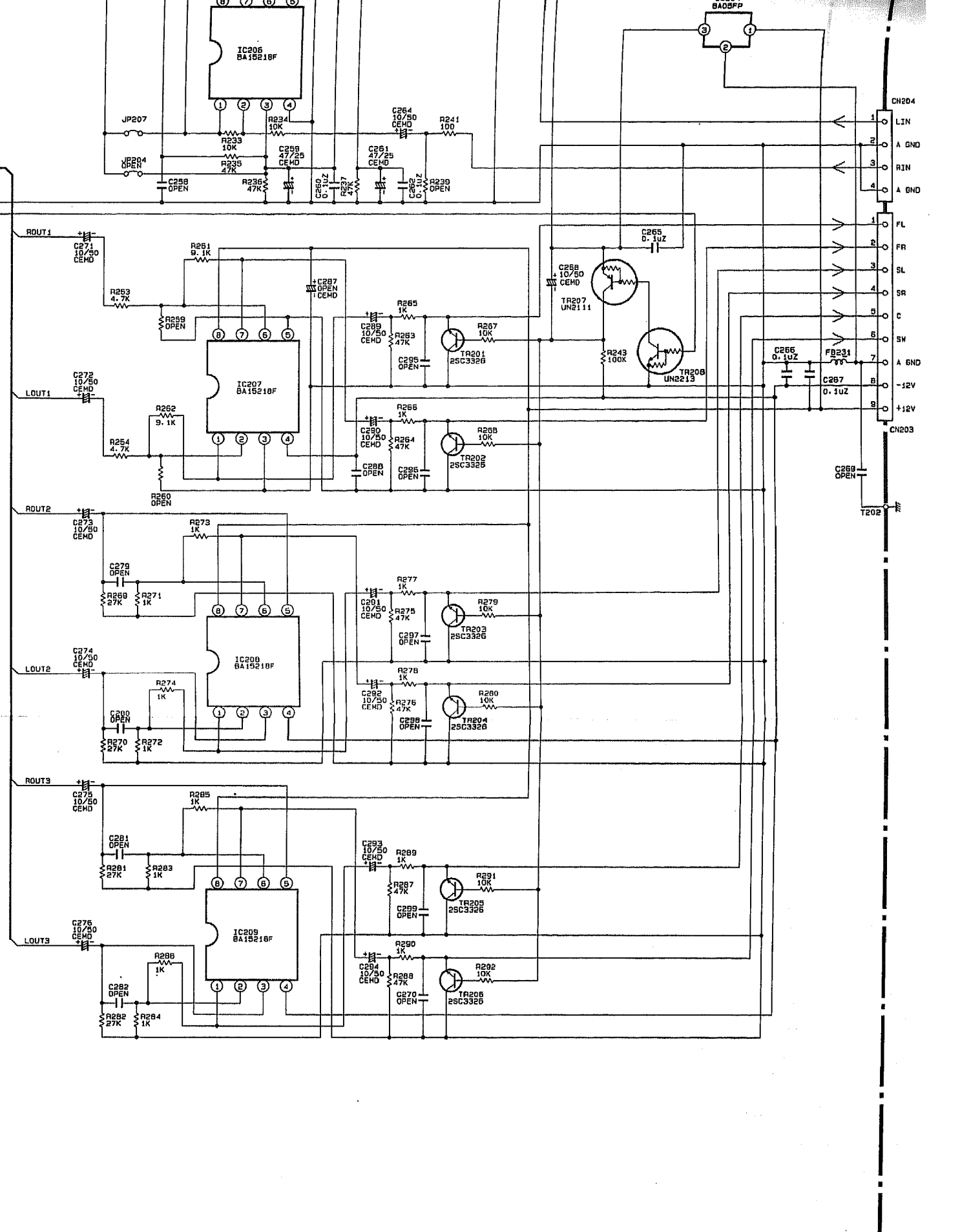
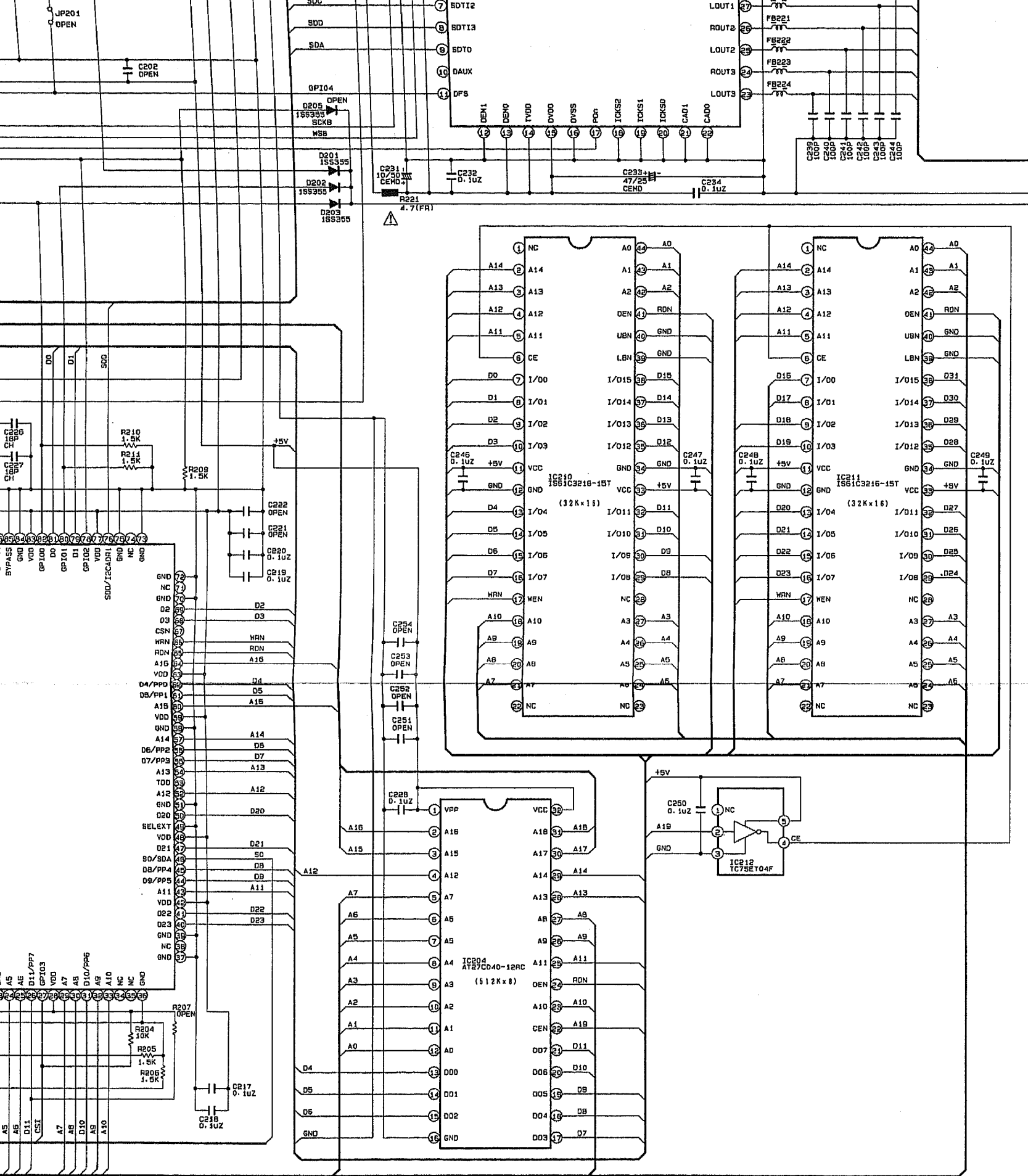




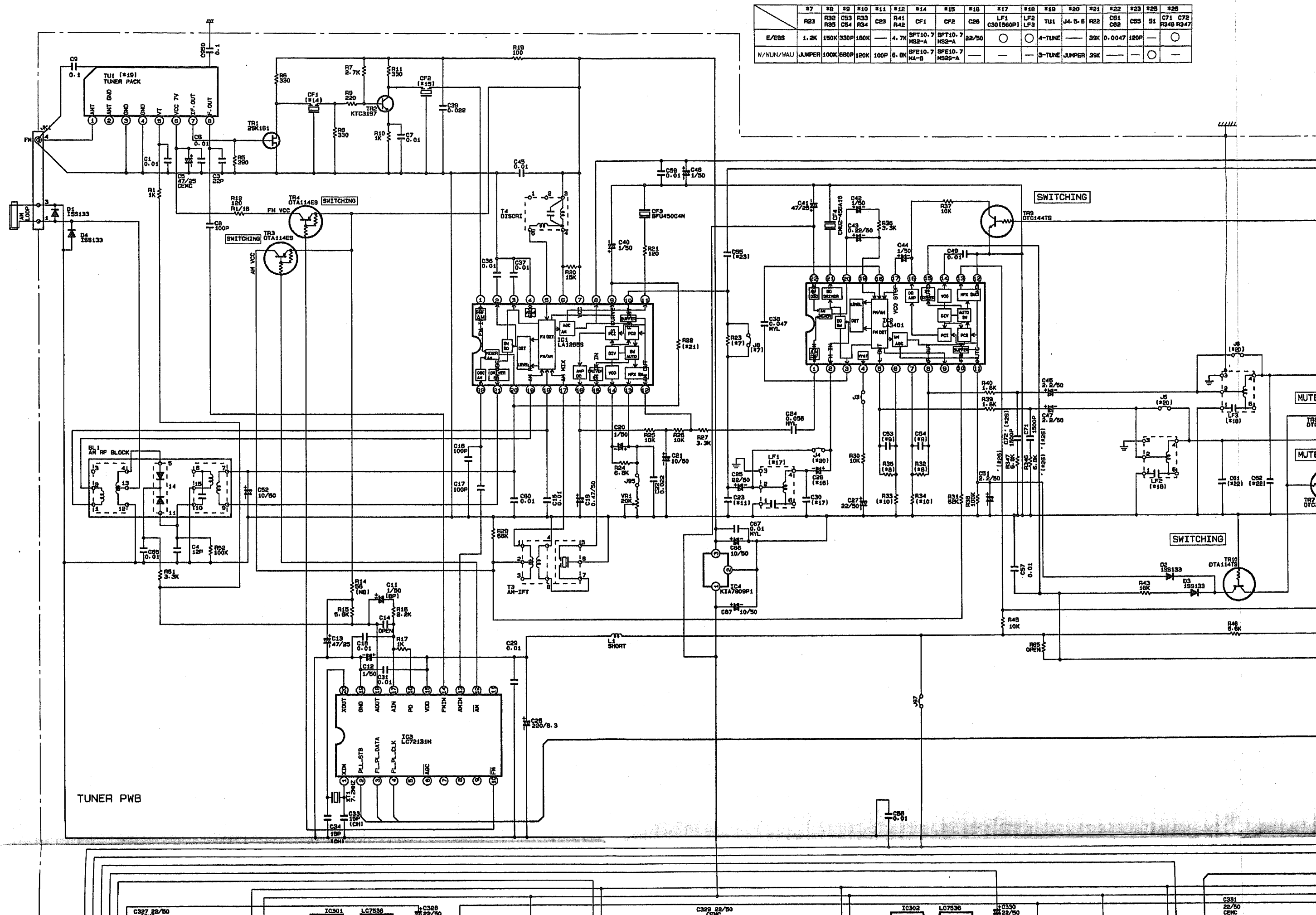






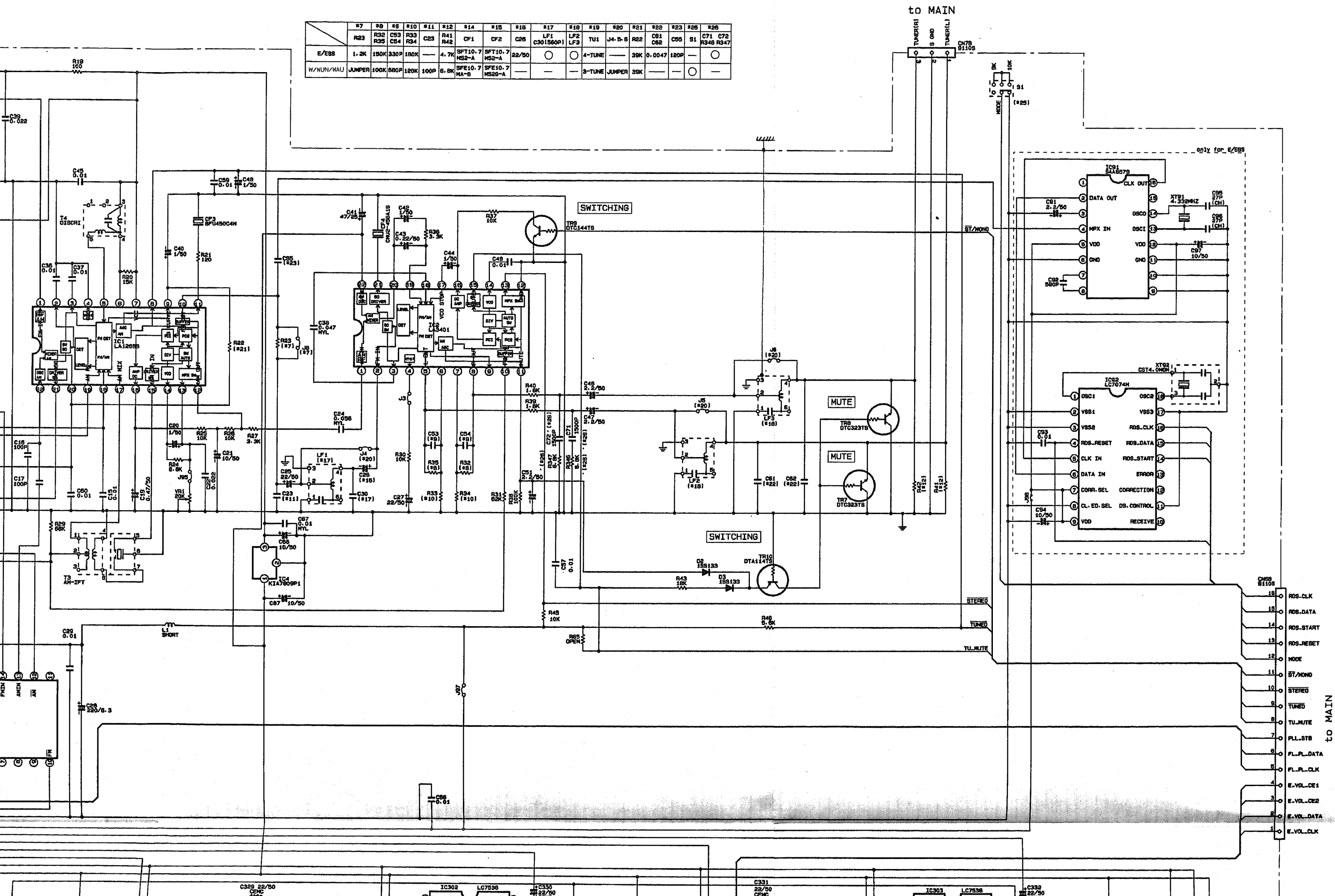


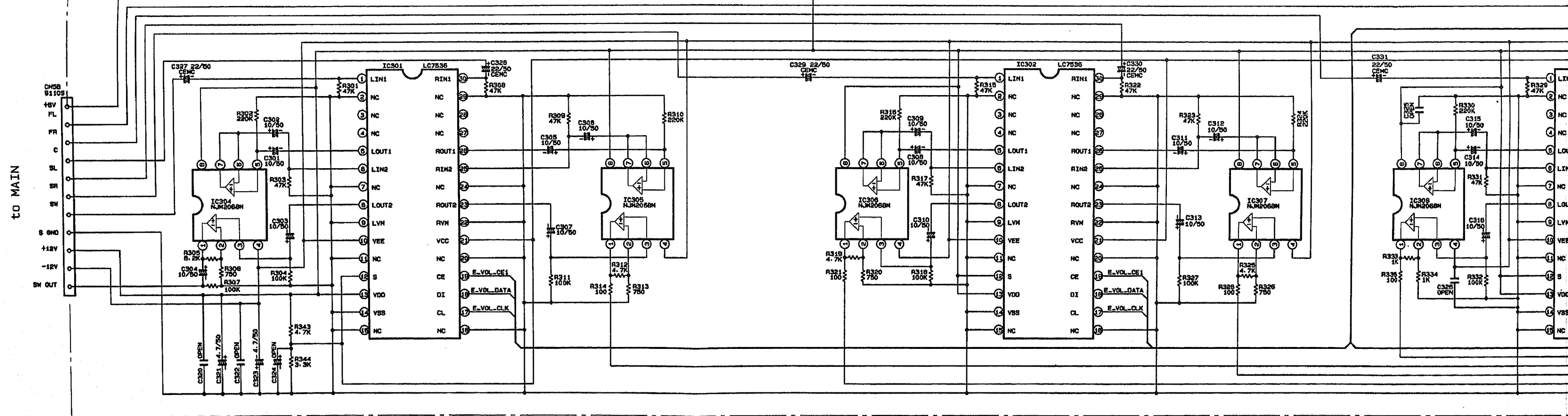
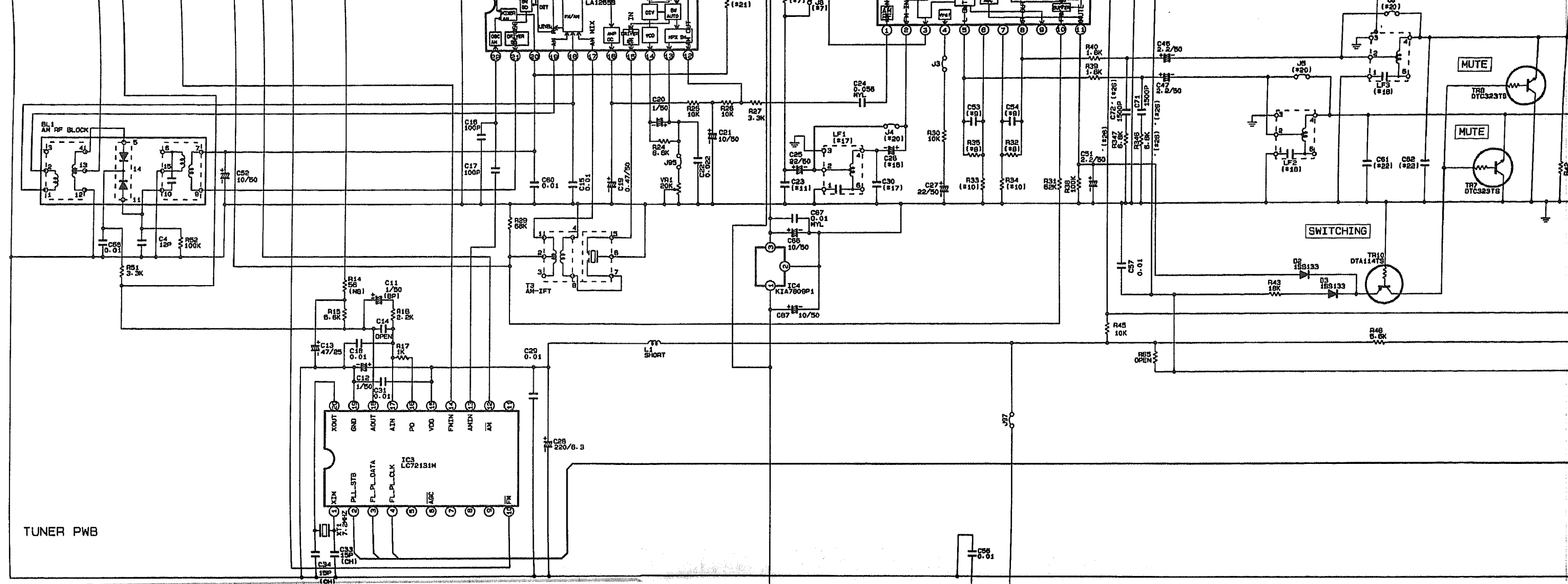
# TUNER diagram

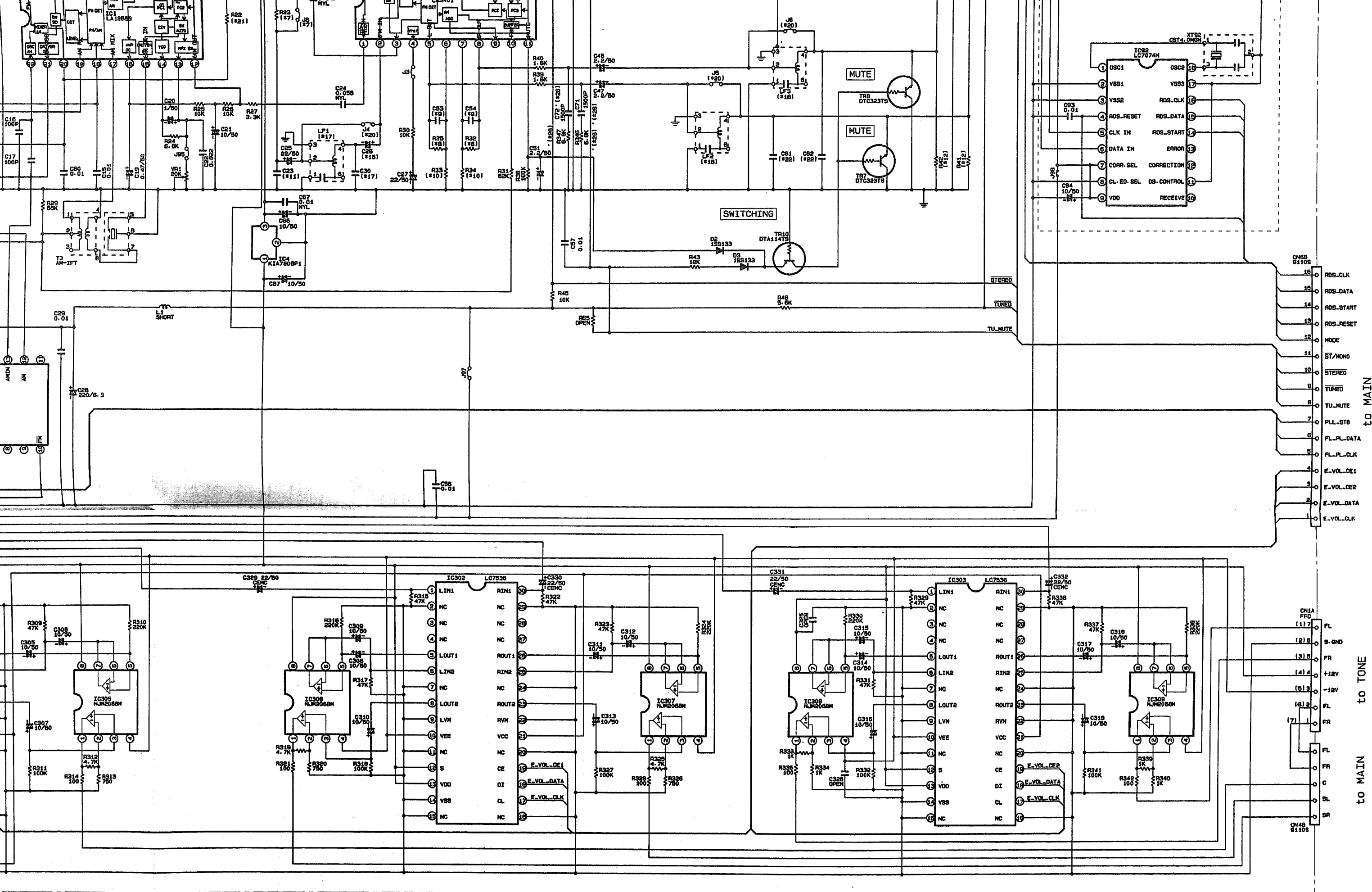


|           | #7     | #8   | #9   | #10  | #11  | #12        | #14              | #15               | #16   | #17              | #18        | #19    | #20    | #21 | #22        | #23  | #25 | #26         |             |
|-----------|--------|------|------|------|------|------------|------------------|-------------------|-------|------------------|------------|--------|--------|-----|------------|------|-----|-------------|-------------|
|           | R23    | R32  | C53  | R33  | C23  | R41<br>R42 | CF1              | CF2               | C26   | LF1<br>C301560P1 | LF2<br>LF3 | TU1    | J4-B-B | R22 | C81<br>C82 | C85  | S1  | C71<br>R346 | C72<br>R347 |
| E/EBS     | 1.2K   | 150K | 330P | 180K | —    | 4.7K       | SFT10.7<br>MS2-A | SFT10.7<br>MS2-A  | 22/50 | ○                | ○          | 4-TUNE | —      | 39K | 0.0047     | 180P | —   | ○           | —           |
| W/WUN/HAU | JUMPER | 100K | 680P | 120K | 100P | 6.8K       | SFE10.7<br>MA-B  | SFE10.7<br>MS29-A | —     | —                | —          | 3-TUNE | JUMPER | 39K | —          | —    | ○   | —           | —           |

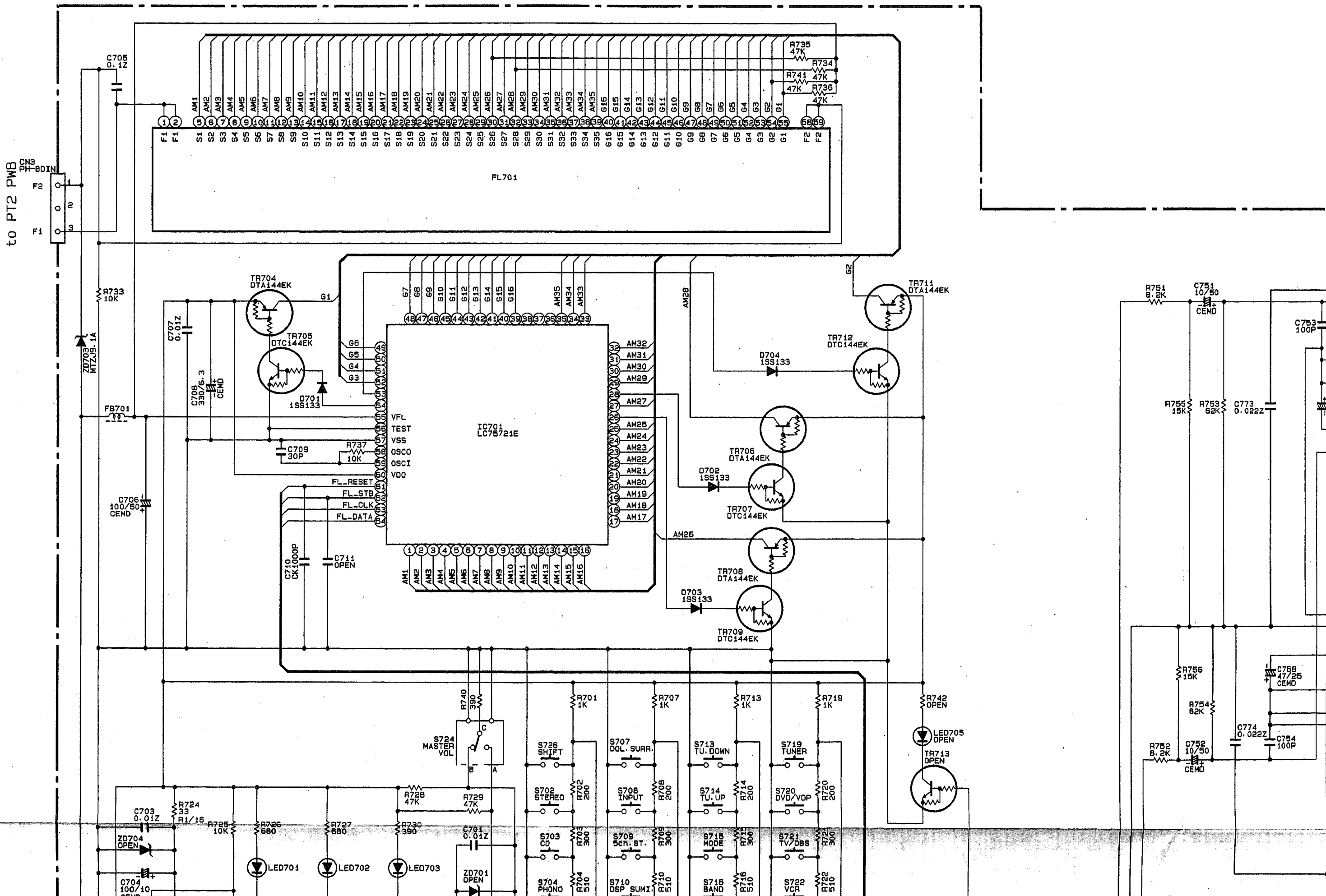
|          | #7     | #8         | #9         | #10  | #11  | #12        | #14              | #15               | #16   | #17               | #18        | #19    | #20    | #21 | #22        | #23  | #25 | #26               |
|----------|--------|------------|------------|------|------|------------|------------------|-------------------|-------|-------------------|------------|--------|--------|-----|------------|------|-----|-------------------|
|          | R23    | R32<br>C93 | R33<br>C84 | R34  | C23  | R41<br>R42 | CF1              | CF2               | C26   | LF1<br>C30 (S60P) | LF2<br>LF3 | TU1    | J4-5-6 | R22 | C81<br>C82 | C95  | G1  | C71 C7<br>R346 R3 |
| E/EBS    | 1.2K   | 150K       | 330P       | 180K | —    | 4.7K       | SFT10.7<br>MS2-A | SFT10.7<br>MS2-A  | 22/50 | ○                 | ○          | 4-TUNE | —      | 39K | 0.0047     | 120P | —   | ○                 |
| W/WUN/AU | JUMPER | 100K       | 500P       | 120K | 100P | 6.8K       | SFE10.7<br>MA-B  | SFE10.7<br>MS2B-A | —     | —                 | —          | 3-TUNE | JUMPER | 39K | —          | —    | ○   | —                 |



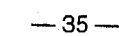


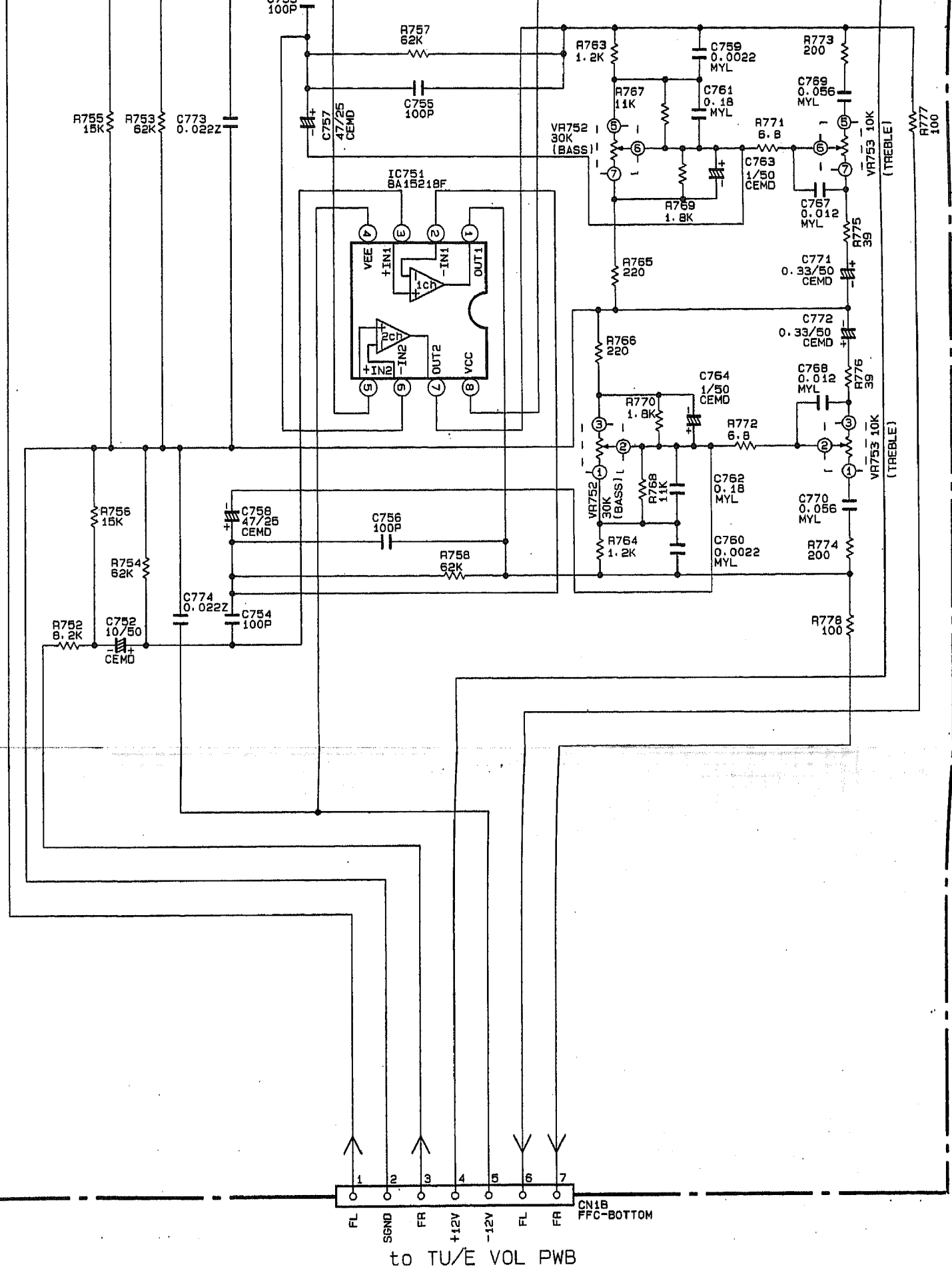
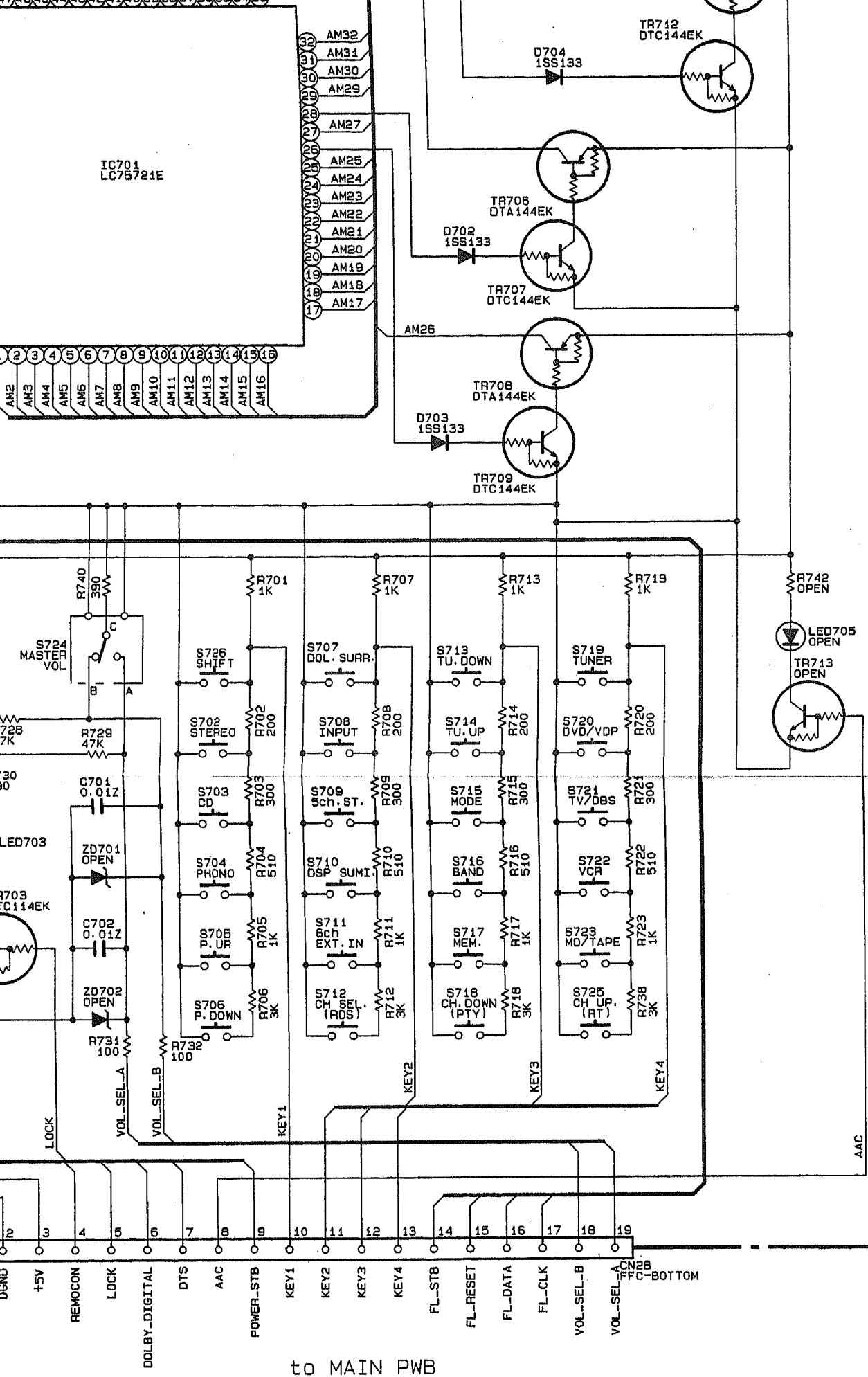


FL DISPLAY diagram

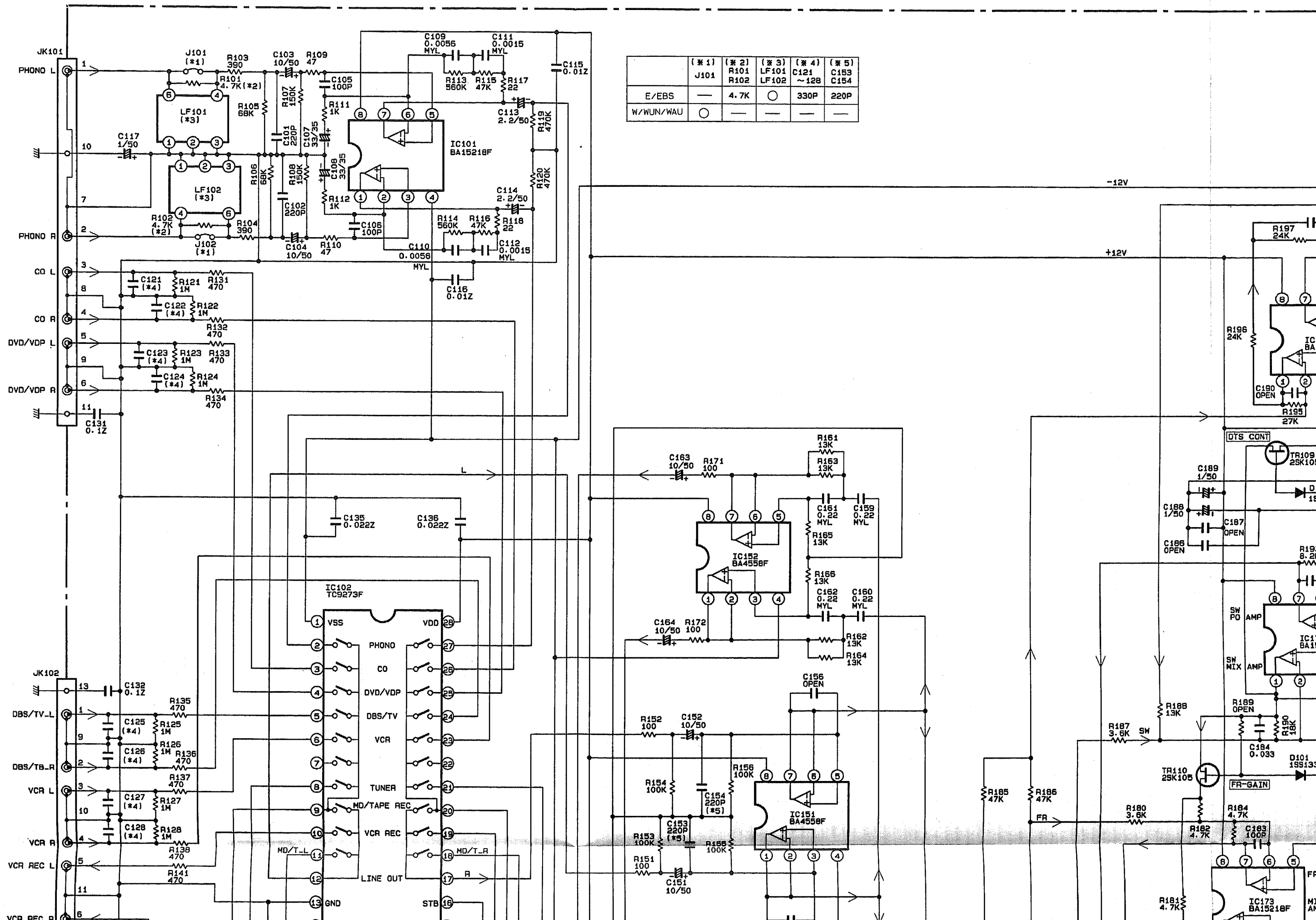




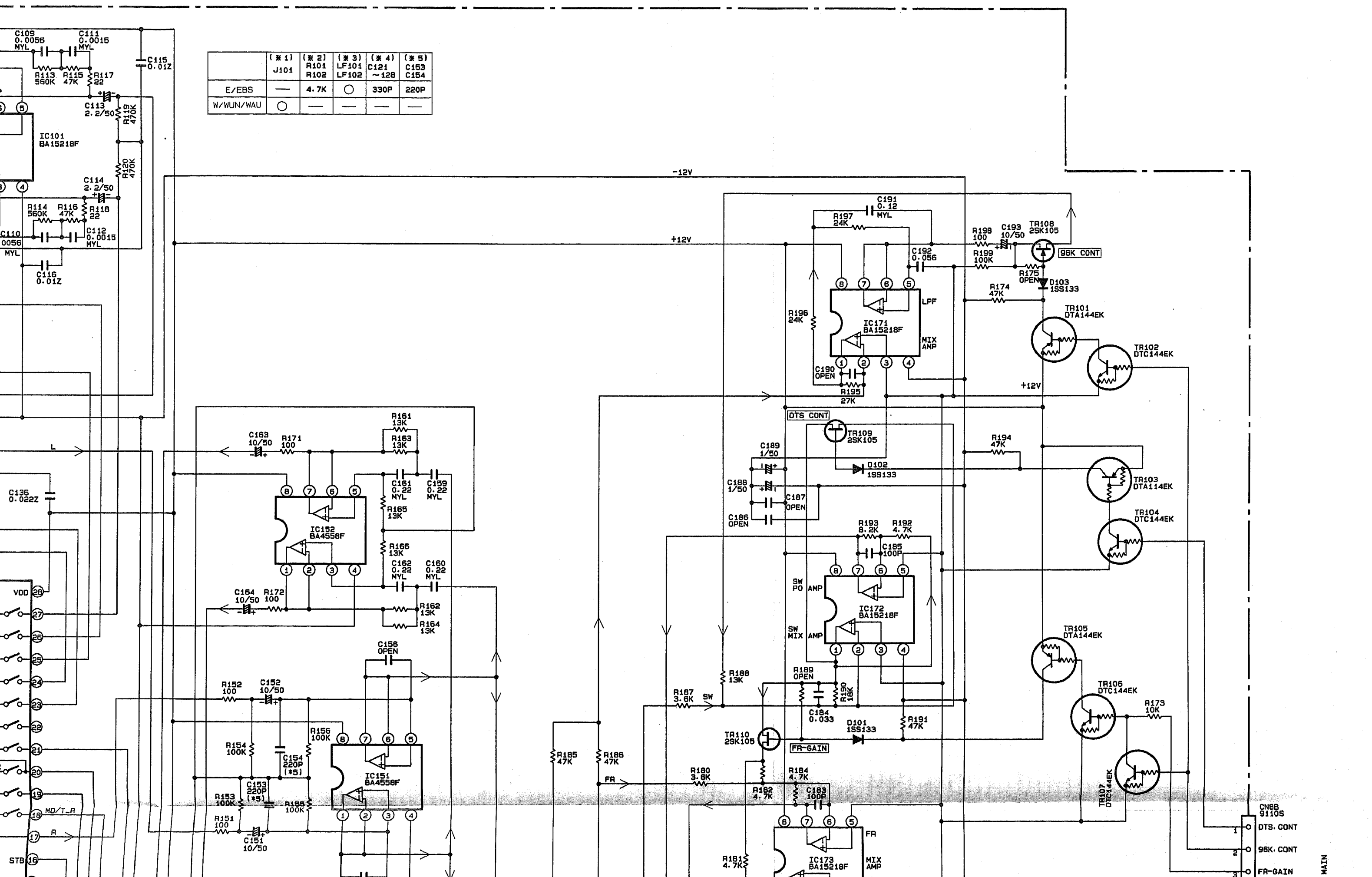


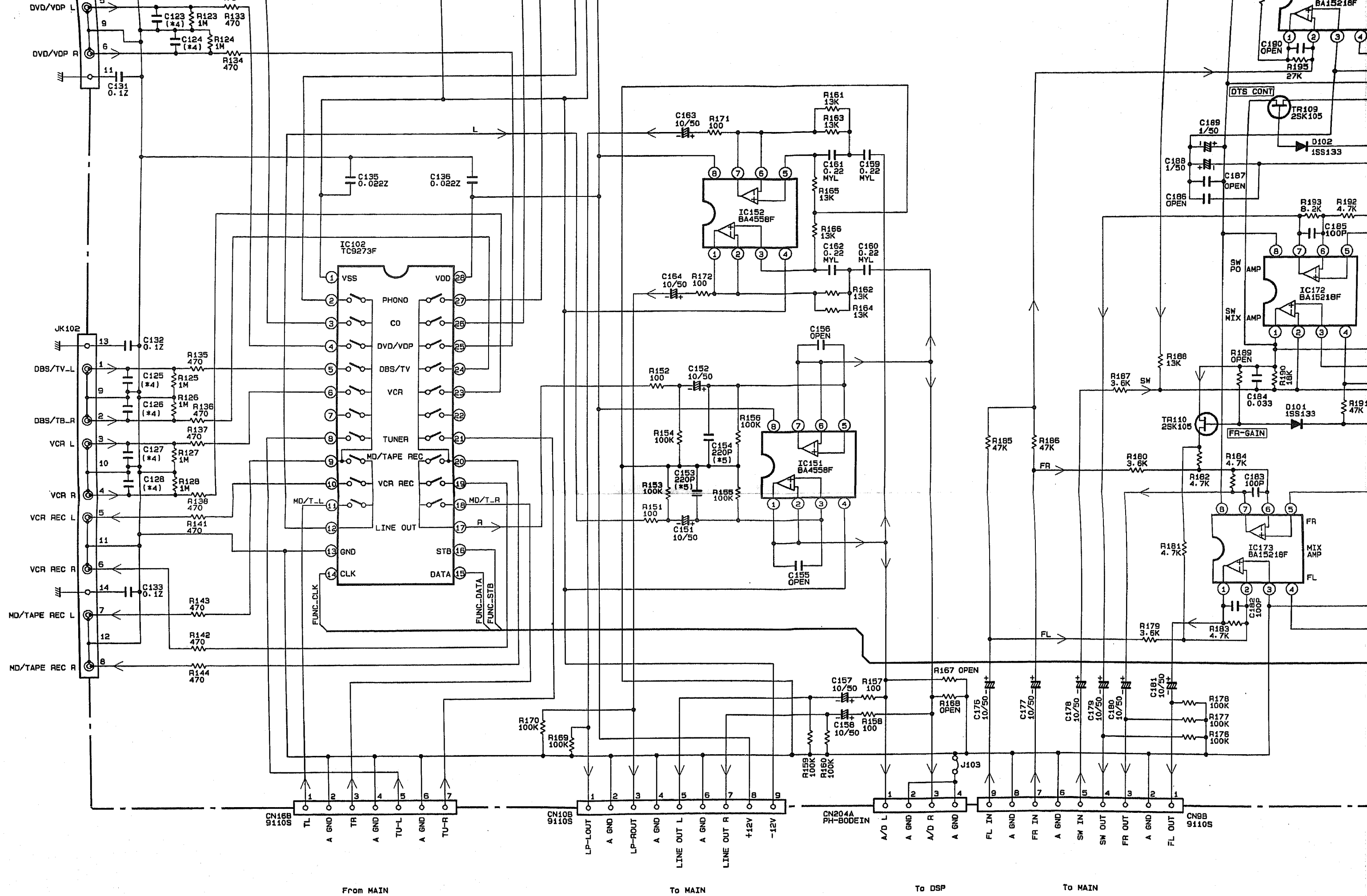


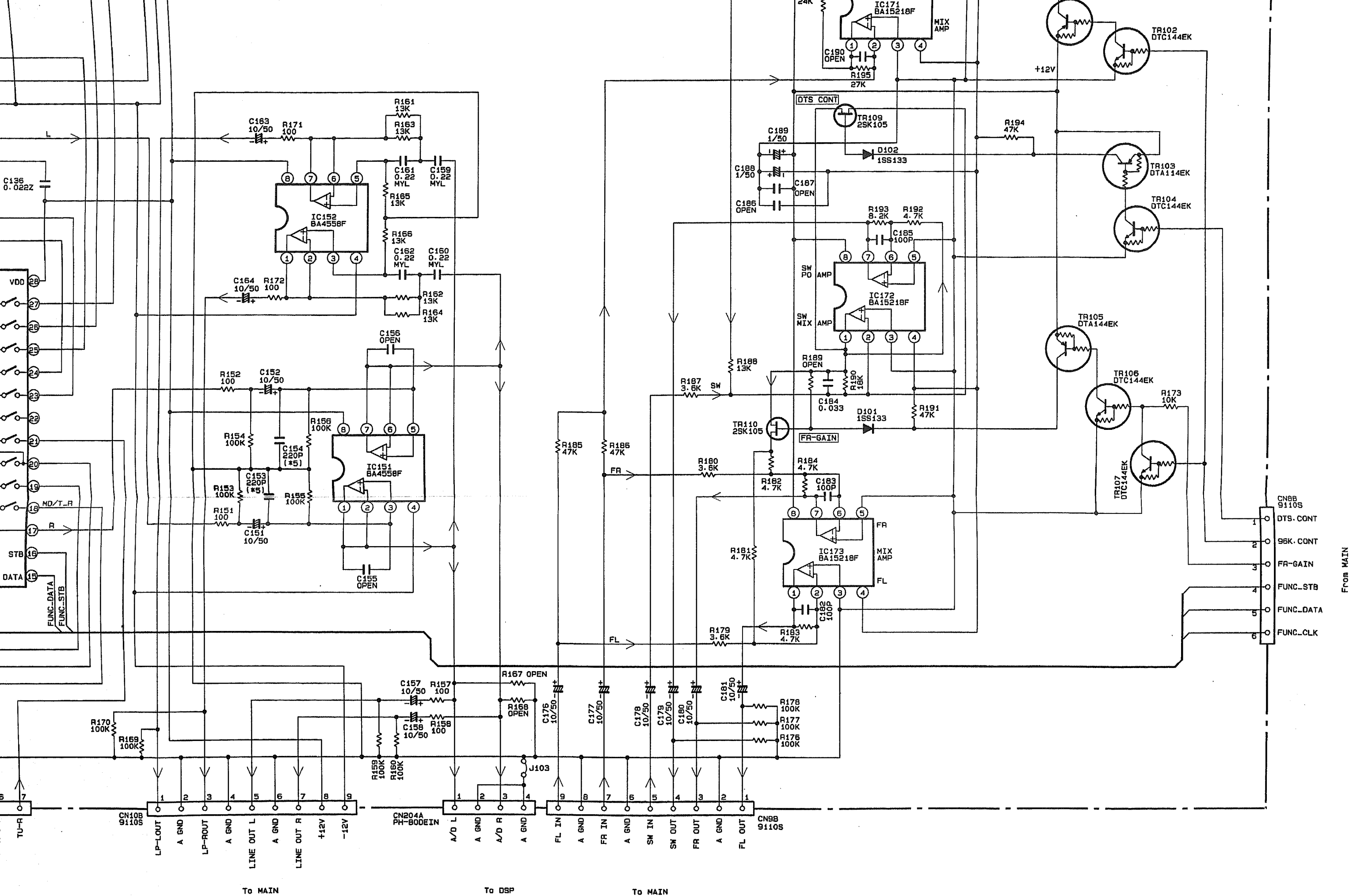
AUDIO diagram



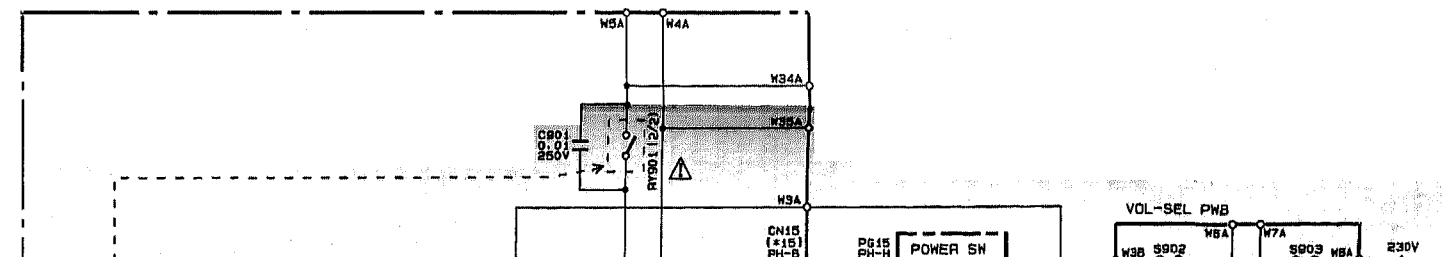
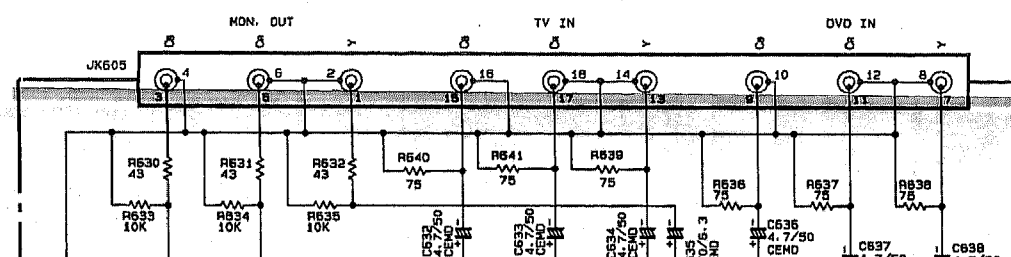
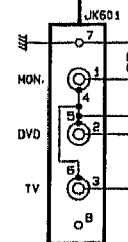
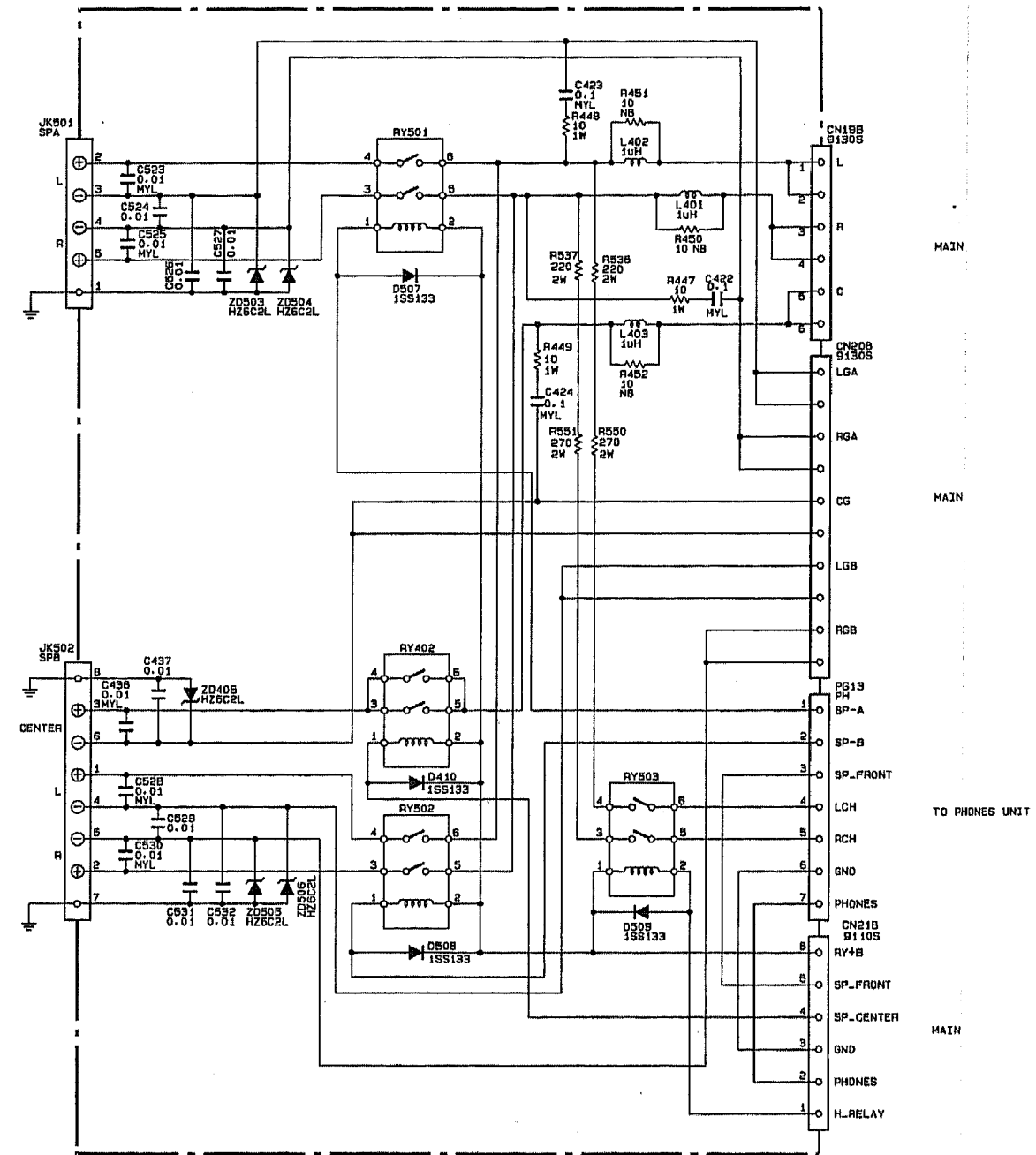
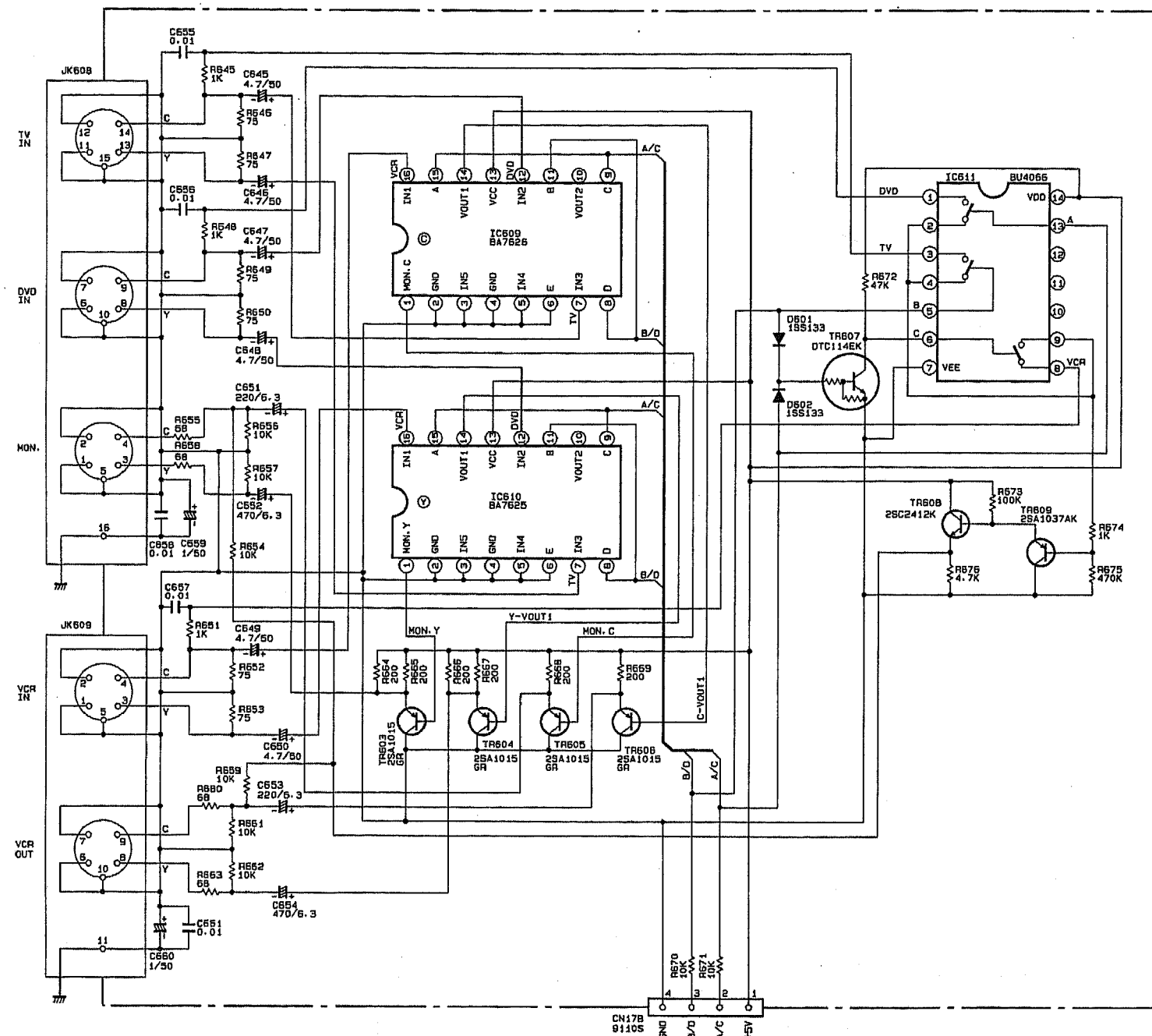
|           | (※1) | (※2)         | (※3)           | (※4)         | (※5)         |
|-----------|------|--------------|----------------|--------------|--------------|
|           | J101 | R101<br>R102 | LF101<br>LF102 | C121<br>~128 | C153<br>C154 |
| E/EBS     | —    | 4.7K         | ○              | 330P         | 220P         |
| W/WUN/WAU | ○    | —            | —              | —            | —            |

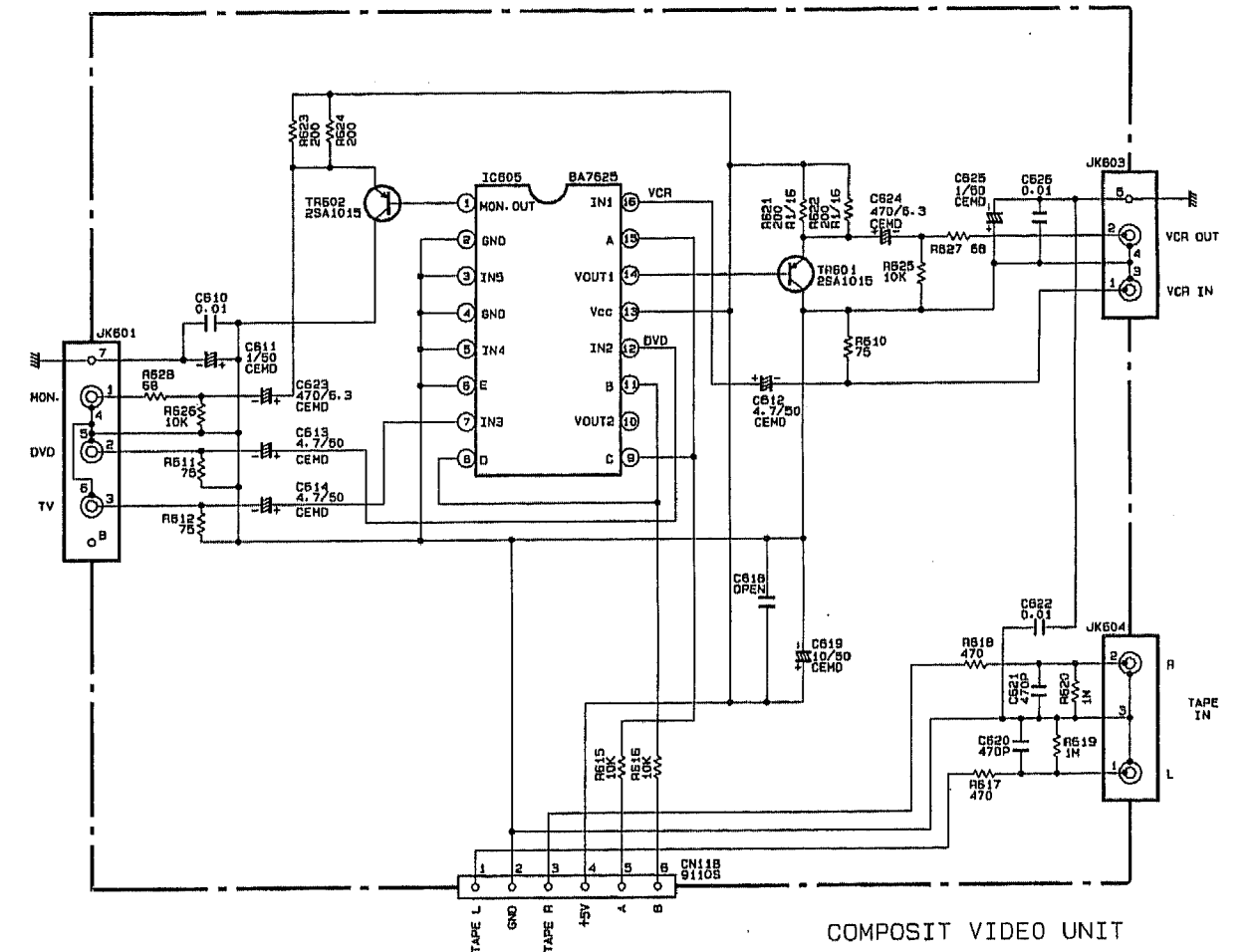




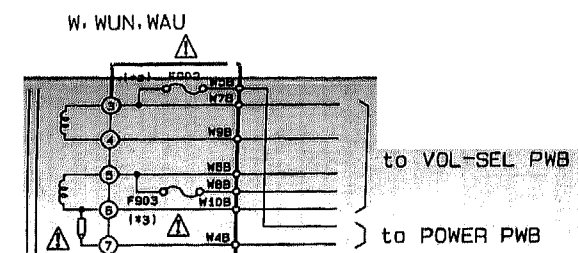


**VIDEO/POWER diagram**

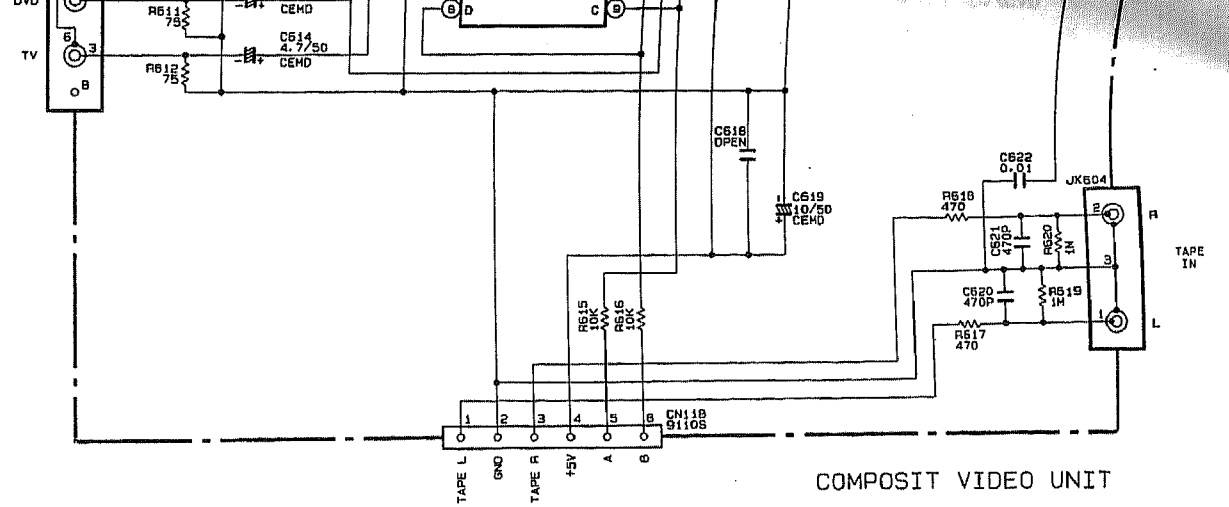
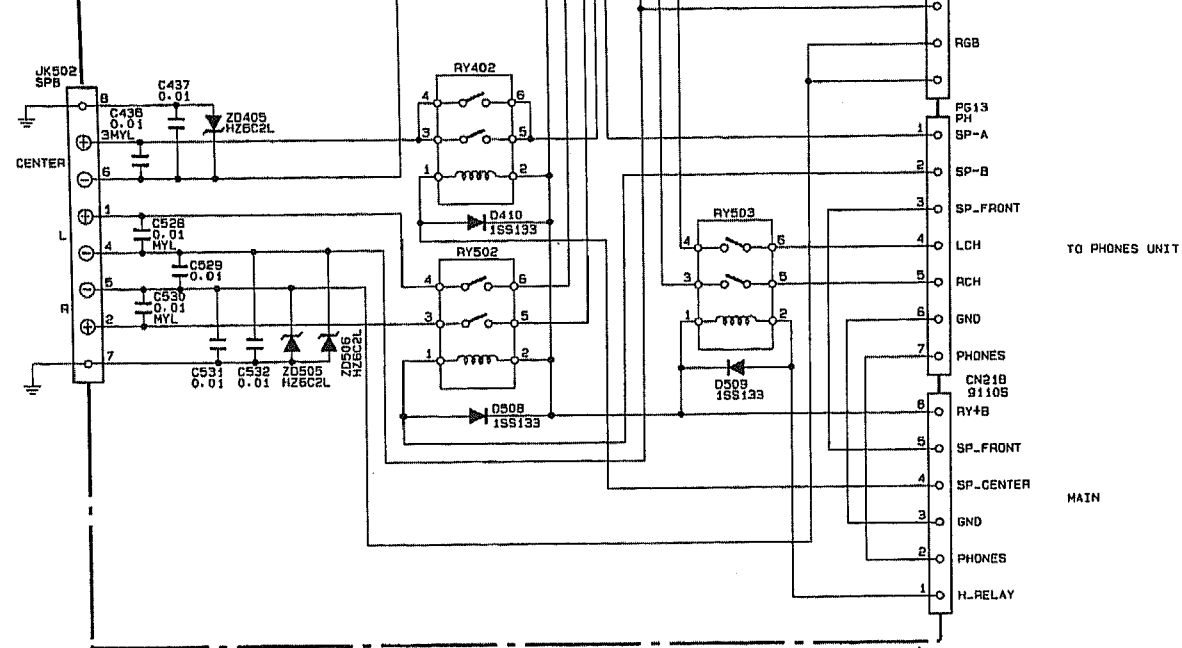
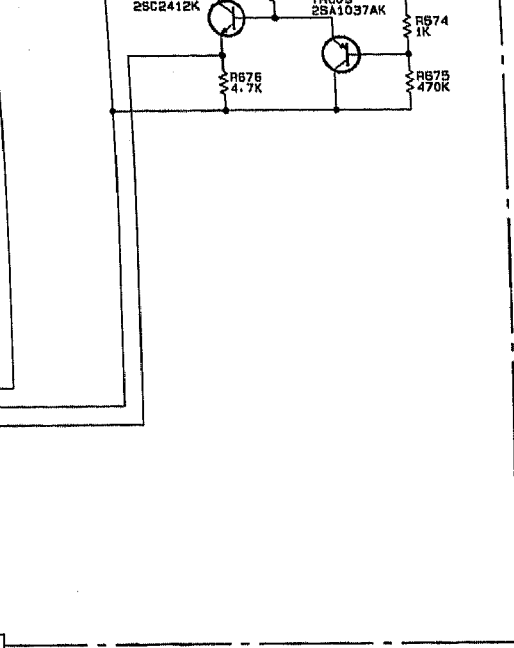




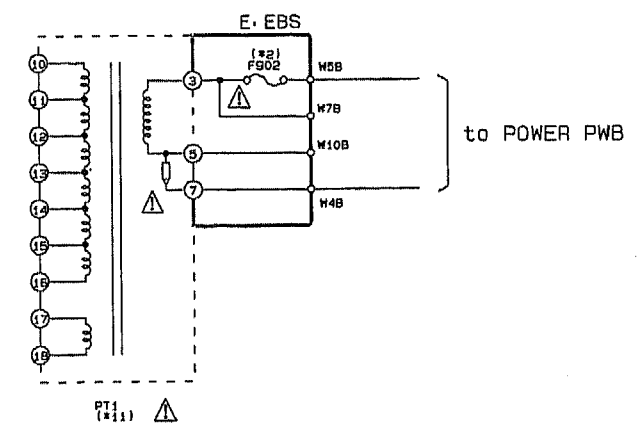
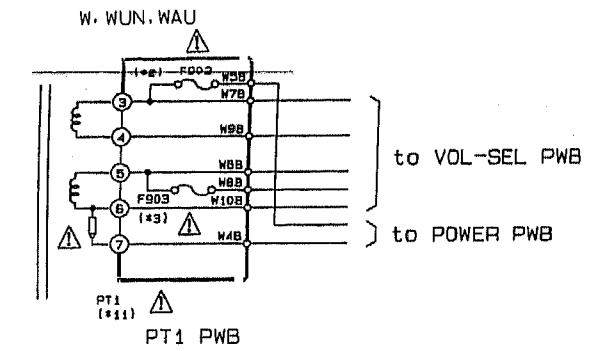
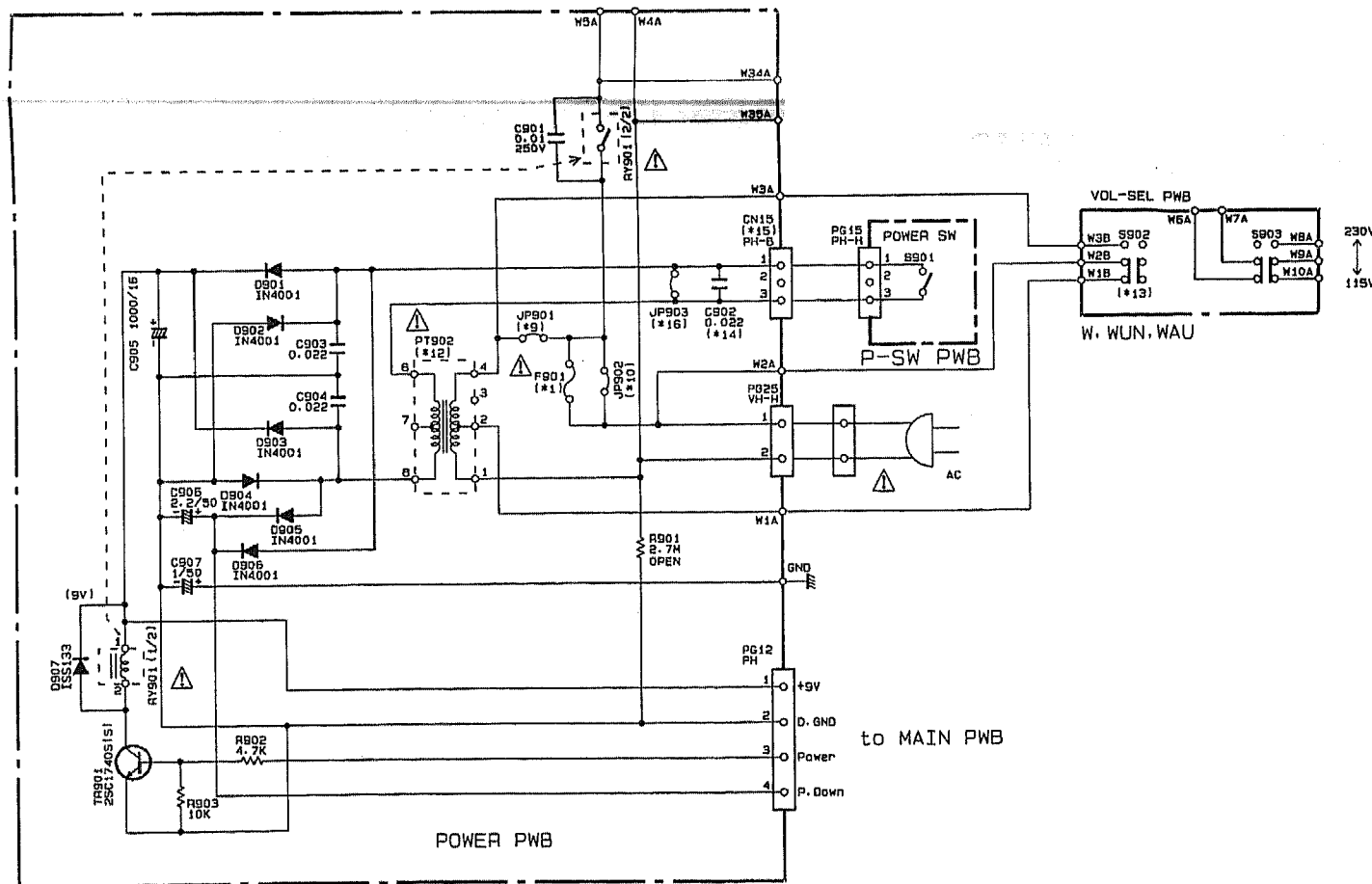
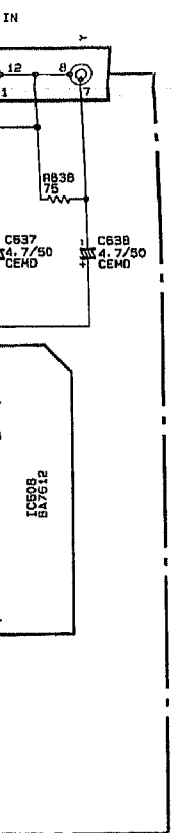
|           |              |              |              |               |              |               |                |              |                |                    |               |               |                |
|-----------|--------------|--------------|--------------|---------------|--------------|---------------|----------------|--------------|----------------|--------------------|---------------|---------------|----------------|
|           | ⚠            | ⚠            | ⚠            |               |              |               | ⚠              | ⚠            |                |                    |               |               |                |
|           | (※1)<br>F901 | (※2)<br>F902 | (※3)<br>F903 | (※6)<br>JK901 | (※8)<br>R901 | (※9)<br>JP901 | (※10)<br>JP902 | (※11)<br>PT1 | (※12)<br>PT902 | (※13)<br>S902, 903 | (※14)<br>C902 | (※15)<br>CN15 | (※16)<br>JP903 |
| E/EBS     | —            | T3, 15A      | —            | —             | —            | ○             | ○              | BT01782      | BT01413        | —                  | ○             | ○             | —              |
| W/WUN/WAU | —            | T6, 3A       | T3, 15A      | —             | —            | —             | ○              | BT01783      | BT01414        | ○                  | ○             | ○             | —              |





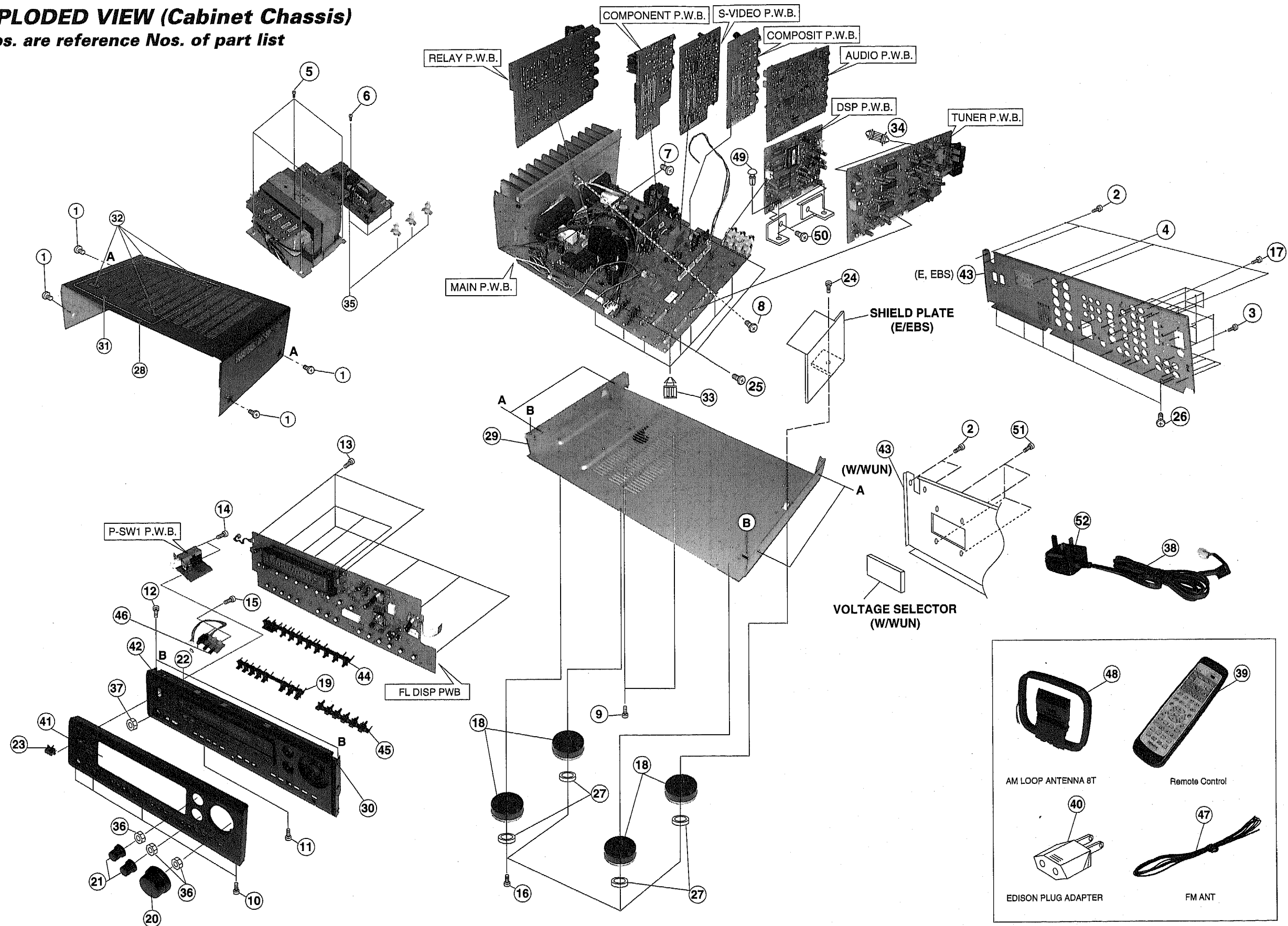


|           | (*1) | (*2)    | (*3)    | (*5) | (*8) | (*9) | (*10) | (*11)   | (*12)   | (*13) | (*14) | (*15) | (*16) |
|-----------|------|---------|---------|------|------|------|-------|---------|---------|-------|-------|-------|-------|
| E/EBS     | —    | T3. 15A | —       | —    | —    | ○    | ○     | BT01782 | BT01413 | —     | ○     | ○     | —     |
| W/WUN/WAU | —    | T6 3A   | T3. 15A | —    | —    | —    | ○     | BT01783 | BT01414 | ○     | ○     | ○     | —     |



**EXPLODED VIEW (Cabinet Chassis)**

• Nos. are reference Nos. of part list





## REPLACEMENT PARTS LIST

**PRODUCT SAFETY NOTE:** Components marked with a  $\Delta$  have special characteristics important to safety. Before replacing any of these components, please read carefully the Service Manual.

|                      |                     |                                                                                                                                                                     |
|----------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ABBREVIATIONS</b> | Capacitors .....    | CK45: Disk Capacitor, CK73: Chip Capacitor (E-12 series), CK14: Axial Capacitor, CE: Electrolytic, CQ: Polyester Film Capacitor, CC73: Chip Capacitor (E-24 series) |
|                      | Resistors .....     | RD: Axial Resistor, RN: Non-burn Resistor, RMC73: Chip Resistor, RE: Standing Resistor, FR: Fuse Resistor                                                           |
|                      | Semiconductor ..... | TR: Transistor, DI: Diode, ZD: Zener diode, VA: Varistor, TH: Thermistor, IC: IC.                                                                                   |
|                      |                     |                                                                                                                                                                     |

| SYMBOL NO.         | PART NO. | DESCRIPTION                           | SYMBOL NO. | PART NO. | DESCRIPTION                            |
|--------------------|----------|---------------------------------------|------------|----------|----------------------------------------|
| <b>CAPACITORS:</b> |          |                                       |            |          |                                        |
| C1                 | 0890101R | CER.CAP B 10000PF 16V K               | C53        | 0890081R | CER CAP B 330PF 50V K [E, EBS]         |
| C3                 | 0890118R | CER CAP CH 22PF 50V J                 | C53        | 0890085R | CER CAP B 680PF 50V K [W, WUN, WAU]    |
| C4                 | 0890062R | CER CAP SL 12PF 50V J                 | C54        | 0890081R | CER CAP B 330PF 50V K [E, EBS]         |
| C5                 | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V          | C54        | 0890085R | CER CAP B 680PF 50V [W, WUN, WAU]      |
| C6                 | 0890101R | CER CAP B 10000PF 16V K               | C55        | 0890075R | CER CAP SL 120PF 50V J [E, EBS]        |
| C7                 | 0890101R | CER CAP B 10000PF 16V K               | C56        | 0890101R | CER CAP B 10000PF 16V K                |
| C8                 | 0890074R | CER CAP SL 100PF 50V J                | C57        | 0890101R | CER CAP B 10000PF 16V K                |
| C9                 | H240068  | AXIAL-CAP F 100000PF Z 50V            | C59        | 0890101R | CER CAP B 10000PF 16V K                |
| C11                | 0284623R | ELECT CAP SME(BP) 1 $\mu$ F 50V       | C60        | 0890101R | CER CAP B 10000PF 16V K                |
| C12                | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V           | C61        | 0890096R | CER CAP B 4700PF 25V K [E, EBS]        |
| C13                | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V          | C62        | 0890096R | CER CAP B 4700PF 25V K [E, EBS]        |
| C15                | 0890101R | CER CAP B 10000PF 16V K               | C65        | 0890101R | CER CAP B 10000PF 16V K                |
| C16                | 0890074R | CER CAP SL 100PF 50V J                | C66        | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V           |
| C17                | 0890074R | CER CAP SL 100PF 50V J                | C67        | 0890101R | CER CAP B 10000PF 16V K                |
| C18                | 0890101R | CER CAP B 10000PF 16V K               | C71        | 0893211R | CHIP CAP X 1500PF                      |
| C19                | 0800001Y | ELECT CAP SSL 0.47 $\mu$ F 50V        | C72        | 0893211R | CHIP CAP X 1500PF                      |
| C20                | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V           | C87        | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V           |
| C21                | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V          | C91        | 0800005Y | ELECT CAP SSL 2.2 $\mu$ F 50V [E, EBS] |
| C22                | 0890102R | CER CAP F 22000PF 50V Z               | C92        | 0890084R | CER CAP B 560PF 50V K [E, EBS]         |
| C23                | 0890074R | CER CAP SL 100PF 50V J [W, WUN, WAU]  | C93        | 0890101R | CER CAP B 10000PF 16V K [E, EBS]       |
| C24                | 0880054R | CAP POLY FILM 0.056 $\mu$ F K 50V     | C94        | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V [E, EBS]  |
| C25                | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V          | C95        | 0890119R | CER CAP CH 27PF 50V J [E, EBS]         |
| C26                | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V [E, EBS] | C96        | 0890119R | CER CAP CH 27PF 50V J [E, EBS]         |
| C27                | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V          | C97        | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V [E, EBS]  |
| C28                | 0800333R | ELECT CAP SMG 220 $\mu$ F 6.3V        | C101       | 0893131R | CHIP CAP 39CH 220PF J 50V              |
| C29                | 0890101R | CER CAP B 10000PF 16V K               | C102       | 0893131R | CHIP CAP 39CH 220PF J 50V              |
| C30                | 0890084R | CER CAP B 560PF 50V K [E, EBS]        | C103       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V           |
| C31                | 0890101R | CER CAP B 10000PF 16V K               | C104       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V           |
| C33                | 0890116R | CER CAP CH 15PF 50V J                 | C105       | 0893126R | CHIP CAP 39CH 100PF J 50V              |
| C34                | 0890116R | CER CAP CH 15PF 50V J                 | C106       | 0893126R | CHIP CAP 39CH 100PF J 50V              |
| C36                | 0890101R | CER CAP B 10000PF 16V K               | C107       | 0800034Y | ELECT CAP SSL 33 $\mu$ F 35V           |
| C37                | 0890101R | CER CAP B 10000PF 16V K               | C108       | 0800034Y | ELECT CAP SSL 33 $\mu$ F 35V           |
| C38                | 0880014R | MYLAR CAP 0.047 $\mu$ F K 50V AMZ T   | C109       | 0880041R | MYLAR CAP 0.0056 $\mu$ F K 50V         |
| C39                | 0890102R | CER CAP F 22000PF 50V Z               | C110       | 0880041R | MYLAR CAP 0.0056 $\mu$ F K 50V         |
| C40                | 0800001Y | ELECT CAP SSL 0.47 $\mu$ F 50V        | C111       | 0880004R | MYLAR CAP 0.0015 $\mu$ F K 50V AMZ T   |
| C41                | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V          | C112       | 0880004R | MYLAR CAP 0.0015 $\mu$ F K 50V AMZ T   |
| C42                | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V           | C113       | 0800005Y | ELECT CAP SSL 2.2 $\mu$ F 50V          |
| C43                | 0800103R | ELECT CAP SRA 0.22 $\mu$ F 50V        | C114       | 0800005Y | ELECT CAP SSL 2.2 $\mu$ F 50V          |
| C44                | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V           | C115       | 0893239R | CHIP CAP 39F 10000PF Z 50V             |
| C45                | 0890101R | CER CAP B 10000PF 16V K               | C116       | 0893239R | CHIP CAP 39F 10000PF Z 50V             |
| C46                | 0800005Y | ELECT CAP SSL 2.2 $\mu$ F 50V         | C117       | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V            |
| C47                | 0800005Y | ELECT CAP SSL 2.2 $\mu$ F 50V         | C121       | 0893133R | CHIP CAP 39CH 330PF J 50V [E, EBS]     |
| C48                | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V           | C122       | 0893133R | CHIP CAP 39CH 330PF J 50V [E, EBS]     |
| C49                | 0890101R | CER CAP B 10000PF 16V K               | C123       | 0893133R | CHIP CAP 39CH 330PF J 50V [E, EBS]     |
| C51                | 0800005Y | ELECT CAP SSL 2.2 $\mu$ F 50V         | C124       | 0893133R | CHIP CAP 39CH 330PF J 50V [E, EBS]     |
| C52                | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V          | C125       | 0893133R | CHIP CAP 39CH 330PF J 50V [E, EBS]     |
|                    |          |                                       | C126       | 0893133R | CHIP CAP 39CH 330PF J 50V [E, EBS]     |

**PRODUCT SAFETY NOTE:** Components marked with a  $\Delta$  have special characteristics important to safety. Before replacing any of these components, please read carefully the Service Manual.

| SYMBOL NO. | PART NO. | DESCRIPTION                        | SYMBOL NO. | PART NO. | DESCRIPTION                   |
|------------|----------|------------------------------------|------------|----------|-------------------------------|
| C127       | 0893133R | CHIP CAP 39CH 330PF J 50V [E, EBS] | C232       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C128       | 0893133R | CHIP CAP 39CH 330PF J 50V [E, EBS] | C233       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V  |
| C131       | 0893232R | CHIP CAP C1608 0.1 $\mu$ F 25V     | C234       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C132       | 0893232R | CHIP CAP C1608 0.1 $\mu$ F 25V     | C235       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V  |
| C133       | 0893232R | CHIP CAP C1608 0.1 $\mu$ F 25V     | C236       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C135       | 0893242R | CHIP CAP 39F 22000PF Z 50V         | C237       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C136       | 0893242R | CHIP CAP 39F 22000PF Z 50V         | C238       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V  |
| C151       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C239       | 0893126R | CHIP CAP 39CH 100PF J 50V     |
| C152       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C240       | 0893126R | CHIP CAP 39CH 100PF J 50V     |
| C153       | 0893131R | CHIP CAP 39CH 220PF J 50V [E, EBS] | C241       | 0893126R | CHIP CAP 39CH 100PF J 50V     |
| C154       | 0893131R | CHIP CAP 39CH 220PF J 50V [E, EBS] | C242       | 0893126R | CHIP CAP 39CH 100PF J 50V     |
| C157       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C243       | 0893126R | CHIP CAP 39CH 100PF J 50V     |
| C158       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C244       | 0893126R | CHIP CAP 39CH 100PF J 50V     |
| C159       | 0880198R | CAP POLY FILM 0.22 $\mu$ F J 50V   | C245       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C160       | 0880198R | CAP POLY FILM 0.22 $\mu$ F J 50V   | C246       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C161       | 0880198R | CAP POLY FILM 0.22 $\mu$ F J 50V   | C247       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C162       | 0880198R | CAP POLY FILM 0.22 $\mu$ F J 50V   | C248       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C163       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C249       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C164       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C250       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C176       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C255       | 0893211R | CHIP CAP 1500PF-1608          |
| C177       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C256       | 0893211R | CHIP CAP 1500PF-1608          |
| C178       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C259       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V  |
| C179       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C260       | 0893232R | CHIP CAP 0.1 $\mu$ Z-1608 25V |
| C180       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C261       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V  |
| C181       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C262       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C182       | 0893126R | CHIP CAP 39CH 100PF J 50V          | C263       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C183       | 0893126R | CHIP CAP 39CH 100PF J 50V          | C264       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C184       | 0893186R | CHIP CAP 39CH 0.033 $\mu$ F J 50V  | C265       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C185       | 0893126R | CHIP CAP 39CH 100PF J 50V          | C266       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C188       | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V        | C267       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V |
| C189       | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V        | C268       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C191       | 0276718R | CAP MYLAR 0.12 $\mu$ F J 50V       | C271       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C192       | 0893176R | CHIP CAP GRM39B 56000PF K 16V      | C272       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C193       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C273       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C194       | 0880013Y | MYLAR CAP 0.047 $\mu$ F K 50V AMZ  | C274       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C201       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608          | C275       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C205       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V       | C276       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C206       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V      | C289       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C209       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V      | C290       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C210       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V      | C291       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C213       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V      | C292       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C214       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V      | C293       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C217       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V      | C294       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C218       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V      | C300       | 0893123R | CHIP CAP 56PF-1608            |
| C219       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V      | C301       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C220       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V      | C302       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C223       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V      | C303       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C224       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V       | C304       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C225       | 0893188R | CHIP CAP 1608 0.047 $\mu$ F K 16V  | C305       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C226       | 0228736R | CHIP CAP 18PSL-2125                | C306       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C227       | 0228736R | CHIP CAP 18PSL-2125                | C307       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C228       | 0893232R | CHIP CAP 0.1 $\mu$ F-1608 25V      | C308       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |
| C231       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V       | C309       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V  |

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| SYMBOL NO. | PART NO. | DESCRIPTION                         | SYMBOL NO. | PART NO. | DESCRIPTION                         |
|------------|----------|-------------------------------------|------------|----------|-------------------------------------|
| C310       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C436       | 0880009R | MYLAR-CAP 0.01 $\mu$ F K 50V AMZ T  |
| C311       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C437       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C312       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C501       | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V        |
| C313       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C502       | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V        |
| C314       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C503       | 0893126R | CHIP CAP 39CH 100PF J 50V           |
| C315       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C504       | 0893126R | CHIP CAP 39CH 100PF J 50V           |
| C316       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C505       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        |
| C317       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C506       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        |
| C318       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C507       | 0893129R | CHIP CAP 39CH 180PF K 50V           |
| C319       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C508       | 0893129R | CHIP CAP 39CH 180PF K 50V           |
| C321       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V       | C509       | 0890059R | CER CAP SL 9PF 50V D                |
| C323       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V       | C510       | 0890059R | CER CAP SL 9PF 50V D                |
| C327       | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V        | C511       | 0800325R | ELECT CAP SMG 100 $\mu$ F 10V       |
| C328       | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V        | C512       | 0800325R | ELECT CAP SMG 100 $\mu$ F 10V       |
| C329       | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V        | C513       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C330       | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V        | C514       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C331       | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V        | C515       | 0880016R | CAP POLY FILM 0.1 $\mu$ F K 50V AMZ |
| C332       | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V        | C516       | 0880016R | CAP POLY FILM 0.1 $\mu$ F K 50V AMZ |
| C401       | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V        | C517       | 0800054N | ELECT CAP SME 100 $\mu$ F 63V       |
| C402       | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V        | C518       | 0800053Y | ELECT CAP SSL 100 $\mu$ F 50V       |
| C403       | 0800026Y | ELECT CAP SSL 22 $\mu$ F 50V        | C519       | 0800054N | ELECT CAP SME 100 $\mu$ F 63V       |
| C404       | 0893126R | CHIP CAP 39CH 100PF J 50V           | C520       | 0800053Y | ELECT CAP SSL 100 $\mu$ F 50V       |
| C405       | 0893126R | CHIP CAP 39CH 100PF J 50V           | C521       | 0800054N | ELECT CAP SME 100 $\mu$ F 63V       |
| C406       | 0893126R | CHIP CAP 39CH 100PF J 50V           | C522       | 0800054N | ELECT CAP SME 100 $\mu$ F 63V       |
| C407       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C523       | 0880009R | MYLAR-CAP 0.01 $\mu$ F K 50V AMZ T  |
| C408       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C524       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C409       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        | C525       | 0880009R | MYLAR-CAP 0.01 $\mu$ F K 50V AMZ T  |
| C410       | 0893129R | CHIP CAP 39CH 180PF J 50V           | C526       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C411       | 0893129R | CHIP CAP 39CH 180PF J 50V           | C527       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C412       | 0893129R | CHIP CAP 39CH 180PF J 50V           | C528       | 0880009R | MYLAR-CAP 0.01 $\mu$ F K 50V AMZ T  |
| C413       | 0800325R | ELECT CAP SMG 100 $\mu$ F 10V       | C529       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C414       | 0800325R | ELECT CAP SMG 100 $\mu$ F 10V       | C530       | 0880009R | MYLAR-CAP 0.01 $\mu$ F K 50V AMZ T  |
| C415       | 0800325R | ELECT CAP SMG 100 $\mu$ F 10V       | C531       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C416       | 0890059R | CER CAP SL 9PF 50V D                | C532       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C417       | 0890059R | CER CAP SL 9PF 50V D                | C533       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        |
| C418       | 0890059R | CER CAP SL 9PF 50V D                | C534       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C419       | 0893239R | CHIP CAP 39F 10000PF Z 50V          | C535       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C420       | 0893239R | CHIP CAP 39F 10000PF Z 50V          | C536       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C421       | 0893239R | CHIP CAP 39F 10000PF Z 50V          | C537       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V        |
| C422       | 0880016R | CAP POLY FILM 0.1 $\mu$ F K 50V AMZ | C538       | 0893206R | CHIP CAP 680PF J 50V                |
| C423       | 0880016R | CAP POLY FILM 0.1 $\mu$ F K 50V AMZ | C539       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C424       | 0880016R | CAP POLY FILM 0.1 $\mu$ F K 50V AMZ | C601       | 0890103R | CER CAP F 47000PF 12V Z             |
| C425       | 0800053Y | ELECT CAP SSL 100 $\mu$ F 50V       | C602       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V        |
| C426       | 0800054N | ELECT CAP SME 100 $\mu$ F 63V       | C604       | H240068  | AXIAL CAP 0.1 $\mu$ F Z 50V         |
| C427       | 0800054N | ELECT CAP SME 100 $\mu$ F 63V       | C605       | 0890043M | AXIAL CAP Y 10000PF M 16V           |
| C428       | 0800053Y | ELECT CAP SSL 100 $\mu$ F 50V       | C610       | 0893239R | CHIP CAP 39F 10000PF Z 50V          |
| C429       | 0800054N | ELECT CAP SME 100 $\mu$ F 63V       | C611       | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V         |
| C430       | 0800054N | ELECT CAP SME 100 $\mu$ F 63V       | C612       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V       |
| C431       | 0880009R | MYLAR-CAP 0.01 $\mu$ F K 50V AMZ T  | C613       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V       |
| C432       | 0893239R | CHIP CAP 39F 10000PF Z 50V          | C614       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V       |
| C433       | 0880009R | MYLAR-CAP 0.01 $\mu$ F K 50V AMZ T  | C619       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V        |
| C434       | 0893239R | CHIP CAP 39F 10000PF Z 50V          | C620       | 0893135R | CHIP CAP 39CH 470PF J 50V           |
| C435       | 0893239R | CHIP CAP 39F 10000PF Z 50V          | C621       | 0893135R | CHIP CAP 39CH 470PF J 50V           |

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|------------|----------|--------------------------------------|------------|----------|--------------------------------------|
| C622       | 0893239R | CHIP CAP 39F 10000PF Z 50V           | C762       | 0276720R | CAP MYLAR 0.18 $\mu$ F J 50V         |
| C623       | 0800351R | ELECT CAP SMG 470 $\mu$ F M 6.3V     | C763       | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V          |
| C624       | 0800351R | ELECT CAP SMG 470 $\mu$ F M 6.3V     | C764       | 0800003Y | ELECTY CAP SSL 1 $\mu$ F 50V         |
| C625       | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V          | C767       | H275031K | MYLAR-CAP 0.012 $\mu$ F K 50V T      |
| C626       | 0893239R | CHIP CAP 39F 10000PF Z 50V           | C768       | H275031K | MYLAR-CAP 0.012 $\mu$ F K 50V T      |
| C630       | 0800333R | ELECT CAP SMG 220 $\mu$ F 6.3V       | C769       | 0880054R | CAP POLY FILM 0.056 $\mu$ F K 50V    |
| C631       | 0800333R | ELECT CAP SMG 220 $\mu$ F 6.3V       | C770       | 0880054R | CAP POLY FILM 0.056 $\mu$ F K 50V    |
| C632       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C771       | 0800105R | ELECT-CAP SRA 0.33 $\mu$ F 50V       |
| C633       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C772       | 0800105R | ELECT-CAP SRA 0.33 $\mu$ F 50V       |
| C634       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C773       | 0893242R | CHIP CAP 39F 22000PF Z 50V           |
| C635       | 0800351R | ELECT CAP SMG 470 $\mu$ F M 6.3V     | C774       | 0893242R | CHIP CAP 39F 22000PF Z 50V           |
| C636       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C804       | 0800005Y | ELECT CAP SSL 2.2 $\mu$ F 50V        |
| C637       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C805       | AL00472  | ELECT CAP LP4 8200 $\mu$ F 63V       |
| C638       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C806       | AL00472  | ELECT CAP LP4 8200 $\mu$ F 63V       |
| C639       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V         | C807       | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V          |
| C645       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C809       | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V          |
| C646       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C810       | 0893232R | CHIP CAP C1608 0.1 $\mu$ F 25V       |
| C647       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C811       | 0893232R | CHIP CAP C1608 0.1 $\mu$ F 25V       |
| C648       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C812       | 0893232R | CHIP CAP C1608 0.1 $\mu$ F 25V       |
| C649       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C813       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V         |
| C650       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        | C814       | 0893232R | CHIP CAP C1608 0.1 $\mu$ F 25V       |
| C651       | 0800333R | ELECT CAP SMG 220 $\mu$ F 6.3V       | C815       | 0800342R | ELECT CAP SMG 330 $\mu$ F 6.3V       |
| C652       | 0800351R | ELECT CAP SMG 470 $\mu$ F M 6.3V     | C816       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V         |
| C653       | 0800333R | ELECT CAP SMG 220 $\mu$ F 6.3V       | C817       | 0893239R | CHIP CAP 39F 10000PF Z 50V           |
| C654       | 0800351R | ELECT CAP SMG 470 $\mu$ F M 6.3V     | C818       | 0800333R | ELECT CAP SMG 220 $\mu$ F 6.3V       |
| C655       | 0893239R | CHIP CAP 39F 10000PF Z 50V           | C819       | 0276718R | CAP MYLAR 0.12 $\mu$ F J 50V         |
| C656       | 0893239R | CHIP CAP 39F 10000PF Z 50V           | C820       | 0800369F | ELECT CAP SMG 3300 $\mu$ F 6.3V      |
| C657       | 0893239R | CHIP CAP 39F 10000PF Z 50V           | C821       | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V        |
| C658       | 0893239R | CHIP CAP 39F 10000PF Z 50V           | C822       | 0893239R | CHIP CAP 39F 10000PF Z 50V           |
| C659       | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V          | C823       | 0893239R | CHIP CAP 39F 10000PF Z 50V           |
| C660       | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V          | C824       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V         |
| C661       | 0893239R | CHIP CAP 39F 10000PF Z 50V           | C825       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V         |
| C701       | 0893239R | CHIP CAP 39F 10000PF Z 50V           | C826       | 0893239R | CHIP CAP 39F 10000PF Z 50V           |
| C702       | 0893239R | CHIP CAP 39F 10000PF Z 50V           | C827       | 0893239R | CHIP CAP 39F 10000PF Z 50V           |
| C703       | 0893239R | CHIP CAP 39F 10000PF Z 50V           | C828       | AN00591R | CAP POLY FILM 0.1 $\mu$ F 200V       |
| C704       | 0800325R | ELECT CAP SMG 100 $\mu$ F 10V        | C829       | AL00478Q | ELECT CAP RE3 4700 $\mu$ F 35V       |
| C705       | 0893232R | CHIP CAP C1608 0.1 $\mu$ F 25V       | C830       | AL00478Q | ELECT CAP RE3 4700 $\mu$ F 35V       |
| C706       | 0800053Y | ELECT CAP SSL 100 $\mu$ F 50V        | C831       | AN00591R | CAP POLY FILM 0.1 $\mu$ F 200V       |
| C707       | 0893239R | CHIP CAP 39F 10000PF Z 50V           | C832       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V         |
| C708       | 0800342R | ELECT CAP SMG 330 $\mu$ F 6.3V       | C833       | 0893239R | CHIP CAP 39F 10000PF Z 50V           |
| C709       | 0225041R | CHIP CAP CH 30PF J 50V               | C834       | 0893239R | CHIP CAP 39F 10000PF Z 50V           |
| C710       | 0893208R | CHIP CAP 39B 1000PF K 50V            | C835       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V         |
| C751       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V         | C836       | 0893239R | CHIP CAP 39F 10000PF Z 50V           |
| C752       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V         | C837       | 0800325R | ELECT CAP SMG 100 $\mu$ F 10V        |
| C753       | 0893126R | CHIP CAP 39CH 100PF J 50V            | C838       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V         |
| C754       | 0893126R | CHIP CAP 39CH 100PF J 50V            | C839       | 0893239R | CHIP CAP 39F 10000PF Z 50V           |
| C755       | 0893126R | CHIP CAP 39CH 100PF J 50V            | C840       | 0893232R | CHIP CAP C1608 0.1 $\mu$ F 25V       |
| C756       | 0893126R | CHIP CAP 39CH 100PF J 50V            | C841       | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V          |
| C757       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V         | C842       | 0893239R | CHIP CAP 39F 10000PF Z 50V           |
| C758       | 0800042Y | ELECT CAP SSL 47 $\mu$ F 25V         | C843       | AL00479Q | ELECT CAP RE2 3300 $\mu$ F 16V       |
| C759       | 0880005R | MYLAR-CAP 0.0022 $\mu$ F K 50V AMZ T | C844       | 0893239R | CHIP CAP 39F 10000PF Z 50V           |
| C760       | 0880005R | MYLAR-CAP 0.0022 $\mu$ F K 50V AMZ T | C847       | 0800018Y | ELECT CAP SSL 10 $\mu$ F 50V         |
| C761       | 0276720R | CAP MYLAR 0.18 $\mu$ F J 50V         | C901       | AN00131S | CER CAP CQ 0.01 $\mu$ F 250V PA103-C |

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|-------------------|----------|-----------------------------------|------------|----------|------------------------------------|
| C902              | 0890096R | CER CAP B 4700PF 25V K            | R37        | 0700054Q | RES CAR 1/16W 10K                  |
| C903              | 0890102R | CER CAP F 22000PF 50V Z           | R38        | 0700067Q | RES CAR 1/16W 100KJ                |
| C904              | 0890102R | CER CAP F 22000PF 50V Z           | R39        | 0700044Q | RES CAR 1/16W 1.8KJ                |
| C905              | AL01562R | ELECT CAP (REA) 1000 $\mu$ F 16V  | R40        | 0700044Q | RES CAR 1/16W 1.8KJ                |
| C906              | 0800005Y | ELECT CAP SSL 2.2 $\mu$ F 50V     | R41        | 0700052Q | RES CAR 1/16W 6.8K [W, WUN, WAU]   |
| C907              | 0800003Y | ELECT CAP SSL 1 $\mu$ F 50V       | R41        | 0700049Q | RES CAR 1/16W 4.7KJ [E, EBS]       |
| C950              | H240068  | AXIAL CAP 0.1 $\mu$ F Z 50V       | R42        | 0700052Q | RES CAR 1/16W 6.8K [W, WUN, WAU]   |
| C951              | 0893133R | CHIP CAP 39CH 330PF J 50V         | R42        | 0700049Q | RES CAR 1/16W 4.7KJ [E, EBS]       |
| C952              | 0893133R | CHIP CAP 39CH 330PF J 50V         | R43        | 0700057Q | RES CAR 1/16W 18K                  |
| C953              | 0893133R | CHIP CAP 39CH 330PF J 50V         | R45        | 0700054Q | RES CAR 1/16W 10K                  |
| C954              | 0893133R | CHIP CAP 39CH 330PF J 50V         | R46        | 0700051Q | RES CAR 1/16W 5.6K                 |
| C955              | 0893133R | CHIP CAP 39CH 330PF J 50V         | R47        | 0790001R | CHIP RES 1/16W 0-J                 |
| C956              | 0893133R | CHIP CAP 39CH 330PF J 50V         | R51        | 0700047Q | RES CAR 1/16W 3.3KJ                |
| C957              | 0893232R | CHIP CAP C1608 0.1 $\mu$ F 25V    | R52        | 0700067Q | RES CAR 1/16W 100KJ                |
| C958              | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V     | R101       | 0790046R | CHIP RES RNC 1/16W 4.7K-J [E, EBS] |
| C960              | 0800012Y | ELECT CAP SSL 4.7 $\mu$ F 50V     | R102       | 0790046R | CHIP RES RNC 1/16W 4.7K-J [E, EBS] |
| C962              | 0893232R | CHIP CAP C1608 0.1 $\mu$ F 25V    | R103       | 0790032R | CHIP RES RNC 1/16W 390-J           |
| <b>RESISTORS:</b> |          |                                   | R104       | 0790032R | CHIP RES RNC 1/16W 390-J           |
| R1                | 0700041Q | RES CAR 1/16W 1KJ                 | R105       | 0790062R | CHIP RES RNC 1/16 68K-J            |
| R5                | 0700035Q | RES CAR 1/16W 390J                | R106       | 0790062R | CHIP RES RNC 1/16 68K-J            |
| R6                | 0700034Q | RES CAR 1/16W 330J                | R107       | 0790066R | CHIP RES RNC 1/16 150K-J           |
| R7                | 0700046Q | RES CAR FILM 1/16W 2.7KJ          | R108       | 0790066R | CHIP RES RNC 1/16 150K-J           |
| R8                | 0700034Q | RES CAR 1/16W 330J                | R109       | 0790019R | CHIP RES RNC 1/16W 47-J            |
| R9                | 0700032Q | RES CAR 1/16W 220J                | R110       | 0790019R | CHIP RES RNC 1/16W 47-J            |
| R10               | 0700041Q | RES CAR 1/16W 1KJ                 | R111       | 0790037R | CHIP RES RNC 1/16W 1K-J            |
| R11               | 0700034Q | RES CAR 1/16W 330J                | R112       | 0790037R | CHIP RES RNC 1/16W 1K-J            |
| R12               | 0700028Q | RES CAR 1/16W 120J                | R113       | 0790074R | CHIP RES RNC 1/16 560K-J           |
| R14               | AT01237R | FLAME RETARDENT RES 56ohm         | R114       | 0790074R | CHIP RES RNC 1/16 560K-J           |
| R15               | 0700051Q | RES CAR 1/16W 5.6K                | R115       | 0790059R | CHIP RES RNC 1/16W 47K-J           |
| R16               | 0700045Q | RES CAR FILM 1/16W 2.2KJ          | R116       | 0790059R | CHIP RES RNC 1/16W 47K-J           |
| R17               | 0700041Q | RES CAR 1/16W 1KJ                 | R117       | 0790015R | CHIP RES RNC 1/16 22-J             |
| R19               | 0700027Q | RES CAR 1/16W 100J                | R118       | 0790015R | CHIP RES RNC 1/16 22-J             |
| R20               | 0700056Q | RES CAR 1/16W 15K                 | R119       | 0790073R | CHIP RES RNC 1/16W 470K-J          |
| R21               | 0700028Q | RES CAR 1/16W 120J                | R120       | 0790073R | CHIP RES RNC 1/16W 470K-J          |
| R22               | 0700062Q | RES CAR 1/16W 39K                 | R121       | 0790077R | CHIP RES RNC 1/16W 1M              |
| R23               | 0700042Q | RES CAR 1/16W 1.2KJ [E, EBS]      | R122       | 0790077R | CHIP RES RNC 1/16W 1M              |
| R24               | 0700052Q | RES CAR 1/16W 6.8K                | R123       | 0790077R | CHIP RES RNC 1/16W 1M              |
| R25               | 0700054Q | RES CAR 1/16W 10K                 | R124       | 0790077R | CHIP RES RNC 1/16W 1M              |
| R26               | 0700054Q | RES CAR 1/16 10K                  | R125       | 0790077R | CHIP RES RNC 1/16W 1M              |
| R27               | 0700047Q | RES CAR 1/16W 3.3KJ               | R126       | 0790077R | CHIP RES RNC 1/16W 1M              |
| R29               | 0700065Q | RES CAR 1/16W 68KJ                | R127       | 0790077R | CHIP RES RNC 1/16W 1M              |
| R30               | 0187108Q | RES CAR FILM 1/16W 62KJ           | R128       | 0790077R | CHIP RES RNC 1/16W 1M              |
| R31               | 0187108Q | RES CAR FILM 1/16W 62KJ           | R131       | 0790033R | CHIP RES RNC 1/16W 470-J           |
| R32               | 0700067Q | RES CAR 1/16W 100KJ [W, WUN, WAU] | R132       | 0790033R | CHIP RES RNC 1/16W 470-J           |
| R32               | 0700069Q | RES CAR 1/16W 150KJ [E, EBS]      | R133       | 0790033R | CHIP RES RNC 1/16W 470-J           |
| R33               | 0700068Q | RES CAR 1/16W 120KJ [W, WUN, WAU] | R134       | 0790033R | CHIP RES RNC 1/16W 470-J           |
| R33               | 0700071Q | RES CAR 1/16W 180KJ [E, EBS]      | R135       | 0790033R | CHIP RES RNC 1/16W 470-J           |
| R34               | 0700068Q | RES CAR 1/16W 120KJ [W, WUN, WAU] | R136       | 0790033R | CHIP RES RNC 1/16W 470-J           |
| R34               | 0700071Q | RES CAR 1/16W 180KJ [E, EBS]      | R137       | 0790033R | CHIP RES RNC 1/16W 470-J           |
| R35               | 0700067Q | RES CAR 1/16W 100KJ [W, WUN, WAU] | R138       | 0790033R | CHIP RES RNC 1/16W 470-J           |
| R35               | 0700069Q | RES CAR 1/16W 150KJ [E, EBS]      | R141       | 0790033R | CHIP RES RNC 1/16W 470-J           |
| R36               | 0700047Q | RES CAR 1/16W 3.3KJ               | R142       | 0790033R | CHIP RES RNC 1/16W 470-J           |
|                   |          |                                   | R143       | 0790033R | CHIP RES RNC 1/16W 470-J           |

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| SYMBOL NO. | PART NO. | DESCRIPTION               | SYMBOL NO. | PART NO. | DESCRIPTION                   |
|------------|----------|---------------------------|------------|----------|-------------------------------|
| R144       | 0790033R | CHIP RES RNC 1/16W 470-J  | R209       | 0195904R | CHIP RES 1.5KJ 1/10W          |
| R151       | 0790024R | CHIP RES RNC 1/16W 100-J  | R210       | 0195904R | CHIP RES 1.5KJ 1/10W          |
| R152       | 0790024R | CHIP RES RNC 1/16W 100-J  | R211       | 0195904R | CHIP RES 1.5KJ 1/10W          |
| R153       | 0790064R | CHIP RES RNC 1/16W 100K-J | R212       | 0790037R | CHIP RES RNC 1/16W 47-J       |
| R154       | 0790064R | CHIP RES RNC 1/16W 100K-J | R213       | AT01228T | FLAME RETARDANT RES 1/4W 27-J |
| R155       | 0790064R | CHIP RES RNC 1/16W 100K-J | R214       | 0195916R | CHIP RES 4.7KJ 1/10W          |
| R156       | 0790064R | CHIP RES RNC 1/16W 100K-J | R215       | 0195925R | CHIP RES 10K J 1/10W          |
| R157       | 0790024R | CHIP RES RNC 1/16W 100-J  | R216       | 0195916R | CHIP RES 4.7K J 1/10W         |
| R158       | 0790024R | CHIP RES RNC 1/16W 100-J  | R221       | AT03703T | FUSE RES 1/4W 4.7J            |
| R159       | 0790064R | CHIP RES RNC 1/16W 100K-J | R222       | 0195887R | CHIP RES 330J 1/10W           |
| R160       | 0790064R | CHIP RES RNC 1/16W 100K-J | R223       | 0195887R | CHIP RES 330J 1/10W           |
| R161       | 0196096R | CHIP RES 1/16W 13K-J      | R224       | 0195887R | CHIP RES 330J 1/10W           |
| R162       | 0196096R | CHIP RES 1/16W 13K-J      | R225       | 0195887R | CHIP RES 330J 1/10W           |
| R163       | 0196096R | CHIP RES 1/16W 13K-J      | R227       | 0195925R | CHIP RES 10KJ 1/10W           |
| R164       | 0196096R | CHIP RES 1/16W 13K-J      | R228       | 0195925R | CHIP RES 10KJ 1/10W           |
| R165       | 0196096R | CHIP RES 1/16W 13K-J      | R229       | 0195909R | CHIP RES 2.4KJ 1/10W          |
| R166       | 0196096R | CHIP RES 1/16W 13K-J      | R230       | 0195925R | CHIP RES 10KJ 1/10W           |
| R169       | 0790064R | CHIP RES RNC 1/16W 100K-J | R231       | 0195925R | CHIP RES 10KJ 1/10W           |
| R170       | 0790064R | CHIP RES RNC 1/16W 100K-J | R232       | 0195925R | CHIP RES 10KJ 1/10W           |
| R171       | 0790024R | CHIP RES RNC 1/16W 100-J  | R233       | 0195909R | CHIP RES 2.4KJ 1/10W          |
| R172       | 0790024R | CHIP RES RNC 1/16W 100-J  | R234       | 0195925R | CHIP RES 10KJ 1/10W           |
| R173       | 0790051R | CHIP RES RNC 1/16W 10K-J  | R235       | 0195941R | CHIP RES 47KJ 1/10W           |
| R174       | 0790059R | CHIP RES RNC 1/16W 47K-J  | R236       | 0195941R | CHIP RES 47KJ 1/10W           |
| R176       | 0790064R | CHIP RES RNC 1/16W 100K-J | R237       | 0195941R | CHIP RES 47KJ 1/10W           |
| R177       | 0790064R | CHIP RES RNC 1/16W 100K-J | R238       | 0195941R | CHIP RES 47KJ 1/10W           |
| R178       | 0790064R | CHIP RES RNC 1/16W 100K-J | R241       | 0195875R | CHIP RES 100J 1/10W           |
| R179       | 0196081R | CHIP RES 1/16W 3.6K-J     | R242       | 0195875R | CHIP RES 100J 1/10W           |
| R180       | 0196081R | CHIP RES 1/16W 3.6K-J     | R243       | 0195950R | CHIP RES 100KJ 1/10W          |
| R181       | 0790046R | CHIP RES RNC 1/16W 4.7K-J | R253       | 0195916R | CHIP RES 4.7KJ 1/10W          |
| R182       | 0790046R | CHIP RES RNC 1/16W 4.7K-J | R254       | 0195916R | CHIP RES 4.7KJ 1/10W          |
| R183       | 0790046R | CHIP RES RNC 1/16W 4.7K-J | R261       | 0195923R | CHIP RES 9.1KJ 1/10W          |
| R184       | 0790046R | CHIP RES RNC 1/16W 4.7K-J | R262       | 0195923R | CHIP RES 9.1KJ 1/10W          |
| R185       | 0790059R | CHIP RES RNC 1/16W 47K-J  | R263       | 0195941R | CHIP RES 47KJ 1/10W           |
| R186       | 0790059R | CHIP RES RNC 1/16W 47K-J  | R264       | 0790059R | CHIP RES RNC 1/16W 47K-J      |
| R187       | 0196081R | CHIP RES 1/16W 3.6K-J     | R265       | 0195900R | CHIP RES 1KJ 1/10W            |
| R188       | 0196096R | CHIP RES 1/16W 13K-J      | R266       | 0790037R | CHIP RES RNC 1/16W 1K-J       |
| R190       | 0790054R | CHIP RES RNC 1/16 18K-J   | R267       | 0195925R | CHIP RES 10KJ 1/10W           |
| R191       | 0790059R | CHIP RES RNC 1/16W 47K-J  | R268       | 0790051R | CHIP RES RNC 1/16W 10K-J      |
| R192       | 0790046R | CHIP RES RNC 1/16W 4.7K-J | R269       | 0195935R | CHIP RES 27KJ 1/10W           |
| R193       | 0790049R | CHIP RES RNC 1/16W 8.2K-J | R270       | 0195935R | CHIP RES 27KJ 1/10W           |
| R194       | 0790059R | CHIP RES RNC 1/16W 47K-J  | R271       | 0195900R | CHIP RES 1KJ 1/10W            |
| R195       | 0790056R | CHIP RES RNC 1/16W 27K-J  | R272       | 0195900R | CHIP RES 1KJ 1/10W            |
| R196       | 0196102R | CHIP RES 1/16W 24K-J      | R273       | 0195900R | CHIP RES 1KJ 1/10W            |
| R197       | 0196102R | CHIP RES 1/16W 24K-J      | R274       | 0195900R | CHIP RES 1KJ 1/10W            |
| R198       | 0790024R | CHIP RES RNC 1/16W 100-J  | R275       | 0195941R | CHIP RES 47KJ 1/10W           |
| R199       | 0790064R | CHIP RES RNC 1/16W 100K-J | R276       | 0790059R | CHIP RES RNC 1/16W 47K-J      |
| R200       | 0790042R | CHIP RES RNC 1/16W 22K-J  | R277       | 0195900R | CHIP RES 1KJ 1/10W            |
| R201       | 0195904R | CHIP RES 1.5KJ 1/10W      | R278       | 0790037R | CHIP RES RNC 1/16W 1K-J       |
| R202       | 0195925R | CHIP RES 10K 1/10W        | R279       | 0195925R | CHIP RES 10KJ 1/10W           |
| R203       | 0195925R | CHIP RES 10K 1/10W        | R280       | 0790051R | CHIP RES RNC 1/16W 10K-J      |
| R204       | 0195925R | CHIP RES 10K 1/10W        | R281       | 0195935R | CHIP RES 27KJ 1/10W           |
| R205       | 0195904R | CHIP RES 1.5K J 1/10W     | R282       | 0195935R | CHIP RES 27KJ 1/10W           |
| R206       | 0195904R | CHIP RES 1.5K J 1/10W     | R283       | 0195900R | CHIP RES 1KJ 1/10W            |

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| SYMBOL NO. | PART NO. | DESCRIPTION              | SYMBOL NO. | PART NO. | DESCRIPTION                       |
|------------|----------|--------------------------|------------|----------|-----------------------------------|
| R284       | 0195900R | CHIP RES 1KJ 1/10W       | R346       | 0790048R | CHIP RES RNC 1/16W 6.8KJ [E, EBS] |
| R285       | 0195900R | CHIP RES 1KJ 1/10W       | R347       | 0790048R | CHIP RES RNC 1/16W 6.8KJ [E, EBS] |
| R286       | 0195900R | CHIP RES 1KJ 1/10W       | R401       | 0790046R | CHIP RES RNC 1/16W 4.7K-J         |
| R287       | 0195941R | CHIP RES 47KJ 1/10W      | R402       | 0790046R | CHIP RES RNC 1/16W 4.7K-J         |
| R288       | 0790059R | CHIP RES RNC 1/16W 47K-J | R403       | 0790046R | CHIP RES RNC 1/16W 4.7K-J         |
| R289       | 0195900R | CHIP RES 1KJ 1/10W       | R404       | 0790051R | CHIP RES RNC 1/16W 10K-J          |
| R290       | 0790037R | CHIP RES RNC 1/16W 1K-J  | R405       | 0790051R | CHIP RES RNC 1/16W 10K-J          |
| R291       | 0195925R | CHIP RES 10KJ 1/10W      | R406       | 0790051R | CHIP RES RNC 1/16W 10K-J          |
| R292       | 0790051R | CHIP RES RNC 1/16W 10K-J | R407       | 0790061R | CHIP RES RNC 1/16 56K-J           |
| R301       | 0700063Q | RES CAR 1/16W 47KJ       | R408       | 0790061R | CHIP RES RNC 1/16 56K-J           |
| R302       | 0700072Q | RES CAR FILM 1/16W 220KJ | R409       | 0790061R | CHIP RES RNC 1/16 56K-J           |
| R303       | 0700063Q | RES CAR 1/16W 47KJ       | R410       | 0790028R | CHIP RES RNC 1/16W 220-J          |
| R304       | 0700067Q | RES CAR 1/16W 100KJ      | R411       | 0790028R | CHIP RES RNC 1/16W 220-J          |
| R305       | 0700046Q | RES CAR 1/16W 2.7K       | R412       | 0790028R | CHIP RES RNC 1/16W 220-J          |
| R306       | 0187062Q | RES CAR 1/16W 750J       | R413       | 0790061R | CHIP RES RNC 1/16 56K-J           |
| R307       | 0700067Q | RES CAR 1/16W 100KJ      | R414       | 0790061R | CHIP RES RNC 1/16 56K-J           |
| R308       | 0700063Q | RES CAR 1/16W 47KJ       | R415       | 0790061R | CHIP RES RNC 1/16 56K-J           |
| R309       | 0700063Q | RES CAR 1/16W 47KJ       | R416       | 0700046Q | RES CAR FILM 1/16W 2.7KJ          |
| R310       | 0700072Q | RES CAR FILM 1/16W 220KJ | R417       | 0700046Q | RES CAR FILM 1/16W 2.7KJ          |
| R311       | 0700067Q | RES CAR 1/16W 100KJ      | R418       | 0700046Q | RES CAR FILM 1/16W 2.7KJ          |
| R312       | 0700049Q | RES CAR 1/16W 4.7KJ      | R419       | H129643  | CAR RES 1/4W 33 KJ T              |
| R313       | 0187062Q | RES CAR 1/16W 750J       | R420       | 0700064Q | RES CAR 1/16W 56KJ                |
| R314       | 0700027Q | RES CAR 1/16W 100J       | R421       | 0700064Q | RES CAR 1/16W 56KJ                |
| R315       | 0700063Q | RES CAR 1/16W 47KJ       | R422       | 0700064Q | RES CAR 1/16W 56KJ                |
| R316       | 0700072Q | RES CAR FILM 1/16W 220KJ | R423       | H129615  | CAR RES 1/4W 3.9 KJ T             |
| R317       | 0700063Q | RES CAR 1/16W 47KJ       | R424       | H129615  | CAR RES 1/4W 3.9 KJ T             |
| R318       | 0700067Q | RES CAR 1/16W 100KJ      | R427       | AT01171T | FUSING RES 1/4W 100-J             |
| R319       | 0700049Q | RES CAR 1/16W 4.7KJ      | R428       | AT01171T | FUSING RES 1/4W 100-J             |
| R320       | 0187062Q | RES CAR 1/16W 750J       | R429       | AT03931  | RES 0.22X2 (5W)                   |
| R321       | 0700027Q | CAR RES 1/16W 100J       | R431       | AT03931  | RES 0.22X2 (5W)                   |
| R322       | 0700063Q | RES CAR 1/16W 47KJ       | R433       | AT03931  | RES 0.22X2 (5W)                   |
| R323       | 0700063Q | RES CAR 1/16W 47KJ       | R434       | AT04121R | 5W RES MTLOXIDE 39                |
| R324       | 0700072Q | RES CAR FILM 1/16W 220KJ | R435       | 0196100R | CHIP RES 1/16W 20K-J              |
| R325       | 0700049Q | RES CAR 1/16W 4.7KJ      | R436       | 0196100R | CHIP RES 1/16W 20K-J              |
| R326       | 0187062Q | RES CAR 1/16W 750J       | R437       | 0196100R | CHIP RES 1/16W 20K-J              |
| R327       | 0700067Q | RES CAR 1/16W 100KJ      | R438       | 0790064R | CHIP RES 1/16W 100K-J             |
| R328       | 0700027Q | RES CAR 1/16W 100J       | R439       | 0790064R | CHIP RES 1/16W 100K-J             |
| R329       | 0700063Q | RES CAR 1/16W 47KJ       | R440       | 0790064R | CHIP RES 1/16W 100K-J             |
| R330       | 0700072Q | RES CAR FILM 1/16W 220KJ | R441       | 0790069R | CHIP RES RNC 1/16W 270K-J         |
| R331       | 0700063Q | RES CAR 1/16W 47KJ       | R442       | 0790069R | CHIP RES RNC 1/16W 270K-J         |
| R332       | 0700067Q | RES CAR 1/16W 100KJ      | R443       | 0790069R | CHIP RES RNC 1/16W 270K-J         |
| R333       | 0700041Q | RES CAR 1/16W 1KJ        | R444       | 0790055R | CHIP RES RNC 1/16W 22K-J          |
| R334       | 0700041Q | RES CAR 1/16W 1KJ        | R445       | 0790055R | CHIP RES RNC 1/16W 22K-J          |
| R335       | 0700027Q | RES CAR 1/16W 100J       | R446       | 0790055R | CHIP RES RNC 1/16W 22K-J          |
| R336       | 0700063Q | RES CAR 1/16W 47KJ       | R453       | 0196100R | CHIP RES 1/16W 20K-J              |
| R337       | 0700063Q | RES CAR 1/16W 47KJ       | R454       | 0196100R | CHIP RES 1/16W 20K-J              |
| R338       | 0700072Q | RES CAR FILM 1/16W 220KJ | R455       | 0196100R | CHIP RES 1/16W 20K-J              |
| R339       | 0700041Q | RES CAR 1/16W 1KJ        | R501       | 0790046R | CHIP RES RNC 1/16W 4.7K-J         |
| R340       | 0700041Q | RES CAR 1/16W 1KJ        | R502       | 0790046R | CHIP RES RNC 1/16W 4.7K-J         |
| R341       | 0700067Q | RES CAR 1/16W 100KJ      | R503       | 0790051R | CHIP RES RNC 1/16W 10K-J          |
| R342       | 0700027Q | RES CAR 1/16W 100J       | R504       | 0790051R | CHIP RES RNC 1/16W 10K-J          |
| R343       | 0700049Q | RES CAR 1/16W 4.7KJ      | R505       | 0790061R | CHIP RES RNC 1/16 56K-J           |
| R344       | 0700047Q | RES CAR 1/16W 3.3KJ      | R506       | 0790061R | CHIP RES RNC 1/16 56K-J           |

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|------------|----------|--------------------------------|------------|----------|---------------------------|
| R507       | 0790028R | CHIP RES RNC 1/16W 220-J       | R619       | 0790077R | CHIP RES RNC 1/16W 1M     |
| R508       | 0790028R | CHIP RES RNC 1/16W 220-J       | R620       | 0790077R | CHIP RES RNC 1/16W 1M     |
| R509       | 0790061R | CHIP RES RNC 1/16 56K-J        | R621       | 0187048Q | RES CAR FILM 1/16W 200J   |
| R510       | 0790061R | CHIP RES RNC 1/16 56K-J        | R622       | 0187048Q | RES CAR FILM 1/16W 200J   |
| R511       | 0700046Q | RES CAR FILM 1/16W 2.7KJ       | R623       | 0187048Q | RES CAR FILM 1/16W 200J   |
| R512       | 0700046Q | RES CAR FILM 1/16W 2.7KJ       | R624       | 0187048Q | RES CAR FILM 1/16W 200J   |
| R513       | H129643  | CAR RES 1/4W 33 KJ T           | R625       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R514       | AT03931  | RES 0.22X2 (5W)                | R626       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R516       | AT03931  | RES 0.22X2 (5W)                | R627       | 0790022R | CHIP RES RNC 1/16 68-J    |
| R518       | 0700064Q | RES CAR 1/16W 56KJ             | R628       | 0790022R | CHIP RES RNC 1/16 68-J    |
| R519       | 0700064Q | RES CAR 1/16W 56KJ             | R630       | 0196033R | CHIP RES 1/16W 43-J       |
| R520       | H129615  | CAR RES 1/4W 3.9 KJ T          | R631       | 0196033R | CHIP RES 1/16W 43-J       |
| R521       | H129615  | CAR RES 1/4W 3.9 KJ T          | R632       | 0196033R | CHIP RES 1/16W 43-J       |
| R522       | 0196100R | CHIP RES 1/16W 20K-J           | R633       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R523       | 0196100R | CHIP RES 1/16W 20K-J           | R634       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R524       | 0790064R | CHIP RES 1/16W 100K-J          | R635       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R525       | 0790064R | CHIP RES 1/16W 100K-J          | R636       | 0196039R | CHIP RES 1/16W 75J        |
| R526       | 0790069R | CHIP RES RNC 1/16W 270K-J      | R637       | 0196039R | CHIP RES 1/16W 75J        |
| R527       | 0790069R | CHIP RES RNC 1/16W 270K-J      | R638       | 0196039R | CHIP RES 1/16W 75J        |
| R528       | 0790055R | CHIP RES RNC 1/16W 22K-J       | R639       | 0196039R | CHIP RES 1/16W 75J        |
| R529       | 0790055R | CHIP RES RNC 1/16W 22K-J       | R640       | 0196039R | CHIP RES 1/16W 75J        |
| R530       | AT01056R | FLAME RETARDANT RES 1W 10-J    | R641       | 0196039R | CHIP RES 1/16W 75J        |
| R531       | AT01056R | FLAME RETARDANT RES 1W 10-J    | R645       | 0790037R | CHIP RES RNC 1/16W 1K-J   |
| R532       | AT01217R | FLAME RETARDANT RES 1/4W 10-J  | R646       | 0196039R | CHIP RES 1/16W 75J        |
| R533       | AT01217R | FLAME RETARDANT RES 1/4W 10-J  | R647       | 0196039R | CHIP RES 1/16W 75J        |
| R534       | 0196100R | CHIP RES 1/16W 20K-J           | R648       | 0790028R | CHIP RES RNC 1/16W 220-J  |
| R535       | 0196100R | CHIP RES 1/16W 20K-J           | R649       | 0196039R | CHIP RES 1/16W 75J        |
| R536       | AT03803R | FLAME RETARDANT RES 220-J 2W   | R650       | 0196039R | CHIP RES 1/16W 75J        |
| R537       | AT03803R | FLAME RETARDANT RES 220-J 2W   | R651       | 0790037R | CHIP RES RNC 1/16W 1K-J   |
| R538       | 0790064R | CHIP RES RNC 1/16W 100K-J      | R652       | 0196039R | CHIP RES 1/16W 75J        |
| R539       | 0790051R | CHIP RES RNC 1/16W 10K-J       | R653       | 0196039R | CHIP RES 1/16W 75J        |
| R540       | 0790042R | CHIP RES RNC 1/16W 2.2K-J      | R654       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R541       | 0790051R | CHIP RES RNC 1/16W 10K-J       | R655       | 0790022R | CHIP RES RNC 1/16 68-J    |
| R542       | 0790064R | CHIP RES RNC 1/16W 100K-J      | R656       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R543       | 0790051R | CHIP RES RNC 1/16W 10K-J       | R657       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R544       | 0790064R | CHIP RES RNC 1/16W 100K-J      | R658       | 0790022R | CHIP RES RNC 1/16 68-J    |
| R545       | 0790033R | CHIP RES RNC 1/16W 470-J       | R659       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R548       | AT01171T | FUSING RES 1/4W 100-J RF25SVTE | R660       | 0790022R | CHIP RES RNC 1/16 68-J    |
| R549       | AT01171T | FUSING RES 1/4W 100-J RF25SVTE | R661       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R550       | AT03804S | FLAME RETARDANT RES 270-J 2W   | R662       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R551       | AT03804S | FLAME RETARDANT RES 270-J 2W   | R663       | 0790022R | CHIP RES RNC 1/16 68-J    |
| R584       | 0700059M | RES-CAR 1/16W 27KJ T           | R664       | 0187048Q | RES CAR FILM 1/16W 200J   |
| R585       | 0700059M | RES-CAR 1/16W 27KJ T           | R665       | 0187048Q | RES CAR FILM 1/16W 200J   |
| R601       | 0700049Q | RES CAR 1/16W 4.7KJ            | R666       | 0187048Q | RES CAR FILM 1/16W 200J   |
| R602       | 0700049Q | RES CAR 1/16W 4.7KJ            | R667       | 0187048Q | RES CAR FILM 1/16W 200J   |
| R603       | 0700049Q | RES CAR 1/16W 4.7KJ            | R668       | 0187048Q | RES CAR FILM 1/16W 200J   |
| R610       | 0196039R | CHIP RES 1/16W 75J             | R669       | 0187048Q | RES CAR FILM 1/16W 200J   |
| R611       | 0196039R | CHIP RES 1/16W 75J             | R670       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R612       | 0196039R | CHIP RES 1/16W 75J             | R671       | 0790051R | CHIP RES RNC 1/16W 10K-J  |
| R615       | 0790051R | CHIP RES RNC 1/16W 10K-J       | R672       | 0790059R | CHIP RES RNC 1/16W 47K-J  |
| R616       | 0790051R | CHIP RES RNC 1/16W 10K-J       | R673       | 0790064R | CHIP RES RNC 1/16W 100K-J |
| R617       | 0790033R | CHIP RES RNC 1/16W 470-J       | R674       | 0790037R | CHIP RES RNC 1/16W 1K-J   |
| R618       | 0790033R | CHIP RES RNC 1/16W 470-J       | R675       | 0790073R | CHIP RES RNC 1/16W 470K-J |

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| SYMBOL NO. | PART NO. | DESCRIPTION               | SYMBOL NO. | PART NO. | DESCRIPTION                   |
|------------|----------|---------------------------|------------|----------|-------------------------------|
| R676       | 0790046R | CHIP RES RNC 1/16W 4.7K-J | R763       | 0790038R | CHIP RES RNC 1/16W 1.2K-J     |
| R677       | 0790027Q | RES CAR 1/16W 100J        | R764       | 0790038R | CHIP RES RNC 1/16W 1.2K-J     |
| R678       | 0700036M | RES-CAR 1/16W 470J T      | R765       | 0790028R | CHIP RES RNC 1/16W 220-J      |
| R679       | 0700041Q | RES CAR 1/16W 1KJ         | R766       | 0790028R | CHIP RES RNC 1/16W 220-J      |
| R701       | 0790037R | CHIP RES RNC 1/16W 1K-J   | R767       | 0196094R | CHIP RES 1/16W 11K-J          |
| R702       | 0196050R | CHIP RES 1/16W 200-J      | R768       | 0196094R | CHIP RES 1/16W 11K-J          |
| R703       | 0196054R | CHIP RES 1/16W 300-J      | R769       | 0790041R | CHIP RES RNC 1/16W 1.8K-J     |
| R704       | 0196060R | CHIP RES 1/16W 510-J      | R770       | 0790041R | CHIP RES RNC 1/16W 1.8K-J     |
| R705       | 0790037R | CHIP RES RNC 1/16W 1K-J   | R771       | 0790008R | CHIP RES RNC 1/16W 6.8-J      |
| R706       | 0196079R | CHIP RES 1/16W 3K-J       | R772       | 0790008R | CHIP RES RNC 1/16W 6.8-J      |
| R707       | 0790037R | CHIP RES RNC 1/16W 1K-J   | R773       | 0196050R | CHIP RES 1/16W 200-J          |
| R708       | 0196050R | CHIP RES 1/16W 200-J      | R774       | 0196050R | CHIP RES 1/16W 200-J          |
| R709       | 0196054R | CHIP RES 1/16W 300-J      | R775       | 0790018R | CHIP RES RNC 1/16W 39-J       |
| R710       | 0196060R | CHIP RES 1/16W 510-J      | R776       | 0790018R | CHIP RES RNC 1/16W 39-J       |
| R711       | 0790037R | CHIP RES RNC 1/16W 1K-J   | R777       | 0790024R | CHIP RES RNC 1/16W 100-J      |
| R712       | 0196079R | CHIP RES 1/16W 3K-J       | R778       | 0790024R | CHIP RES RNC 1/16W 100-J      |
| R713       | 0790037R | CHIP RES RNC 1/16W 1K-J   | R802       | AT01171T | FUSING RES 1/4W 100-J         |
| R714       | 0196050R | CHIP RES 1/16W 200-J      | R803       | AT01012R | FLAME RETARDANT RES 1W 0.22-J |
| R715       | 0196054R | CHIP RES 1/16W 300-J      | R804       | AT01012R | FLAME RETARDANT RES 1W 0.22-J |
| R716       | 0196060R | CHIP RES 1/16W 510-J      | R805       | AT01012R | FLAME RETARDANT RES 1W 0.22-J |
| R717       | 0790037R | CHIP RES RNC 1/16W 1K-J   | R806       | AT01012R | FLAME RETARDANT RES 1W 0.22-J |
| R718       | 0196079R | CHIP RES 1/16W 3K-J       | R808       | AT01092R | FLAME RETARDANT RES 1W 220-J  |
| R719       | 0790037R | CHIP RES RNC 1/16W 1K-J   | R809       | AT03802R | FLAME RETARDANT RES 1.8K 2W   |
| R720       | 0196050R | CHIP RES 1/16W 200-J      | R811       | 0790055R | CHIP RES RNC 1/16W 22K-J      |
| R721       | 0196054R | CHIP RES 1/16W 300-J      | R813       | 0196081R | CHIP RES 1/16W 3.6K-J         |
| R722       | 0196060R | CHIP RES 1/16W 510-J      | R814       | 0790025R | CHIP RES RNC 1/16W 120-J      |
| R723       | 0790037R | CHIP RES RNC 1/16W 1K-J   | R815       | 0790043R | CHIP RES RNC 1/16W 2.7K-J     |
| R724       | 0700021M | RES CAR FILM 1/16W 33J    | R816       | 0790073R | CHIP RES RNC 1/16W 470K-J     |
| R725       | 0790051R | CHIP RES RNC 1/16W 10K-J  | R817       | 0790019R | CHIP RES RNC 1/16W 47-J       |
| R726       | 0790035R | CHIP RES RNC 1/16W 680-J  | R818       | 0790046R | CHIP RES RNC 1/16W 4.7K-J     |
| R727       | 0790035R | CHIP RES RNC 1/16W 680-J  | R819       | 0790019R | CHIP RES RNC 1/16W 47-J       |
| R728       | 0790059R | CHIP RES RNC 1/16W 47K-J  | R820       | 0790037R | CHIP RES RNC 1/16W 1K-J       |
| R729       | 0790059R | CHIP RES RNC 1/16W 47K-J  | R821       | 0790006R | CHIP RES RNC 1/16W 4.7-J      |
| R730       | 0790032R | CHIP RES RNC 1/16W 390-J  | R822       | 0790051R | CHIP RES RNC 1/16W 10K-J      |
| R731       | 0790024R | CHIP RES RNC 1/16W 100-J  | R823       | 0790059R | CHIP RES RNC 1/16W 47K-J      |
| R732       | 0790024R | CHIP RES RNC 1/16W 100-J  | R824       | 0790057R | CHIP RES RNC 1/16W 33K-J      |
| R733       | 0700054M | RES CAR FILM 1/16W 10KJ   | R826       | 0790051R | CHIP RES RNC 1/16W 10K-J      |
| R734       | 0790059R | CHIP RES RNC 1/16W 47K-J  | R827       | 0790068R | CHIP RES RNC 1/16W 220K-J     |
| R735       | 0790059R | CHIP RES RNC 1/16W 47K-J  | R828       | 0790051R | CHIP RES RNC 1/16W 10K-J      |
| R736       | 0790059R | CHIP RES RNC 1/16W 47K-J  | R829       | 0790046R | CHIP RES RNC 1/16W 4.7K-J     |
| R737       | 0790051R | CHIP RES RNC 1/16W 10K-J  | R830       | 0790046R | CHIP RES RNC 1/16W 4.7K-J     |
| R738       | 0196079R | CHIP RES 1/16W 3K-J       | R831       | 0790037R | CHIP RES RNC 1/16W 1K-J       |
| R739       | 0790035R | CHIP RES RNC 1/16W 680-J  | R832       | 0790051R | CHIP RES RNC 1/16W 10K-J      |
| R740       | 0790032R | CHIP RES RNC 1/16W 390-J  | R833       | 0790037R | CHIP RES RNC 1/16W 1K-J       |
| R741       | 0790059R | CHIP RES RNC 1/16W 47K-J  | R834       | 0790037R | CHIP RES RNC 1/16W 1K-J       |
| R751       | 0790049R | CHIP RES RNC 1/16W 8.2K-J | R835       | 0790046R | CHIP RES RNC 1/16W 4.7K-J     |
| R752       | 0790049R | CHIP RES RNC 1/16W 8.2K-J | R836       | 0790051R | CHIP RES RNC 1/16W 10K-J      |
| R753       | 0196112R | CHIP RES 1/16W 62K-J      | R837       | 0196100R | CHIP RES 1/16W 20K-J          |
| R754       | 0196112R | CHIP RES 1/16W 62K-J      | R838       | 0196096R | CHIP RES 1/16W 13K-J          |
| R755       | 0790053R | CHIP RES RNC 1/16W 15K-J  | R839       | 0790051R | CHIP RES RNC 1/16W 10K-J      |
| R756       | 0790053R | CHIP RES RNC 1/16W 15K-J  | R840       | 0790041R | CHIP RES RNC 1/16W 1.8K-J     |
| R757       | 0196112R | CHIP RES 1/16W 62K-J      | R841       | 0790042R | CHIP RES RNC 1/16W 2.2K-J     |
| R758       | 0196112R | CHIP RES 1/16W 62K-J      | R842       | 0790059R | CHIP RES RNC 1/16W 47K-J      |

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| SYMBOL NO.          | PART NO. | DESCRIPTION                            | SYMBOL NO. | PART NO. | DESCRIPTION             |
|---------------------|----------|----------------------------------------|------------|----------|-------------------------|
| R843                | AT01089R | RES METAL FILM 1W 180J                 | TR10       | 2314361R | TRS DTA114TSATP         |
| R844                | 0790046R | CHIP RES RNC 1/16W 4.7K-J              | TR101      | CA00292R | TRS . DTA144EKT146      |
| R845                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR102      | 2316691R | TRS DTC144EKAT          |
| R846                | AT01096R | RES METAL FILM 1W 330J                 | TR103      | CA00291R | TRS DTA114EKT146        |
| R847                | 0790046R | CHIP RES RNC 1/16W 4.7K-J              | TR104      | 2316691R | TRS DTC144EKAT          |
| R848                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR105      | CA00292R | TRS . DTA144EKT146      |
| R849                | AT01096R | FLAME RETARDENT RES 1W 330-J           | TR106      | 2316691R | TRS DTC144EKAT          |
| R850                | 0790046R | CHIP RES RNC 1/16W 4.7K-J              | TR107      | 2316691R | TRS DTC144EKAT          |
| R851                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR108      | 2324085T | TRS 2SK105 A (2) TP     |
| R852                | AT01096R | FLAME RETARDENT RES 1W 330-J           | TR109      | 2324085T | TRS 2SK105 A (2) TP     |
| R853                | 0790046R | CHIP RES RNC 1/16W 4.7K-J              | TR201      | CA01161R | TRS 2SC3326             |
| R854                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR202      | CA01161R | TRS 2SC3326             |
| R855                | 0700032Q | RES CAR 1/16W 220-J                    | TR203      | CA01161R | TRS 2SC3326             |
| R861                | 0790042R | CHIP RES RNC 1/16W 2.2K-J              | TR204      | CA0116R  | TRS 2SC3326             |
| R862                | 0790042R | CHIP RES RNC 1/16W 2.2K-J              | TR205      | CA01161R | TRS 2SC3326             |
| R863                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR206      | CA01161R | TRS2SC3326              |
| R864                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR207      | CA00291R | TRS DTA114EKT146        |
| R865                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR208      | 2316691R | TRS DTC144EKAT          |
| R866                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR209      | 2325691R | TRS. CHIP 2SC2412KT146R |
| R867                | 0196100R | CHIP RES 1/16W 20K-J [W, WUN, WAU]     | TR210      | 2325691R | TRS. CHIP 2SC2412KT146R |
| R868                | 0196100R | CHIP RES 1/16W 20K-J [W, WUN, WAU]     | TR210      | 2324085T | TRS 2SK105 A (2) TP     |
| R869                | 0196093R | CHIP RES RNC 1/16W 10K-J [W, WUN, WAU] | TR401      | CA01161R | TRANS 2SC3326           |
| R869                | 0790001R | CHIP RES 1/16W 0-J [E, EBS]            | TR402      | CA01161R | TRANS 2SC3326           |
| R871                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR403      | CA01161R | TRANS 2SC3326           |
| R872                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR404      | CF01201R | TRS 2SC1841-T (E/F)     |
| R873                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR405      | CF01201R | TRS 2SC1841-T (E/F)     |
| R874                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR406      | CF01201R | TRS 2SC1841-T (E/F)     |
| R875                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR501      | CA01161R | TRANS 2SC3326           |
| R876                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR502      | CA01161R | TRANS 2SC3326           |
| R877                | 0790051R | CHIP RES RNC 1/16W 10K-J               | TR503      | CF01201R | TRS 2SC1841-T (E/F)     |
| R902                | 0700049Q | RES CAR 1/16W 4.7KJ                    | TR504      | CF01201R | TRS 2SC1841-T (E/F)     |
| R903                | 0700054Q | RES CAR 1/16W 10K                      | TR505      | CA00291R | TRS DTA114EKT146        |
| R951                | 0790001R | CHIP RES 1/16W 0-J                     | TR506      | CA00291R | TRS DTA114EKT146        |
| R952                | 0790001R | CHIP RES 1/16W 0-J                     | TR507      | CA01161R | TRANS 2SC3326           |
| R955                | 0790024R | CHIP RES RNC 1/16W 100-J               | TR601      | 2329183T | TRS 2SA1015-GR (TE2,T)  |
| R956                | 0790024R | CHIP RES RNC 1/16W 100-J               | TR602      | 2329183T | TRS 2SA1015-GR (TE2,T)  |
| R957                | 0790001R | CHIP RES 1/16W 0-J                     | TR603      | 2329183T | TRS 2SA1015-GR (TE2,T)  |
| R959                | 0790024R | CHIP RES RNC 1/16W 100-J               | TR604      | 2329183T | TRS 2SA1015-GR (TE2,T)  |
| R960                | 0790001R | CHIP RES 1/16W 0-J                     | TR605      | 2329183T | TRS 2SA1015-GR (TE2,T)  |
| R961                | 0790001R | CHIP RES 1/16W 0-J                     | TR606      | 2329183T | TRS 2SA1015-GR (TE2,T)  |
| R964                | 0790024R | CHIP RES RNC 1/16W 100-J               | TR607      | 2316361R | TRS. DTC114EKT146       |
| R965                | 0790024R | CHIP RES RNC 1/16W 100-J               | TR608      | 2325691R | TRS. CHIP 2SC2412KT146R |
| R966                | 0790001R | CHIP RES 1/16W 0-J                     | TR609      | CA00691R | TRS 2SA1037AKT146R      |
| R968                | 0790024R | CHIP RES RNC 1/16W 100-J               | TR701      | 2316361R | TRS . DTC114EKT146      |
| <b>TRANSISTORS:</b> |          |                                        | TR702      | 2316361R | TRS . DTC114EKT146      |
| TR1                 | CF01121R | TRS 2SK161-Y (TPE4)                    | TR703      | 2316361R | TRS . DTC114EKT146      |
| TR2                 | CF01141R | TRS 2SC2058STPQ                        | TR704      | CA00292R | TRS . DTA144EKT146      |
| TR3                 | 2326862R | TRS DTA114ES TP                        | TR705      | 2316691R | TRS DTC144EKAT          |
| TR4                 | 2326862R | TRS DTA114ES TP                        | TR706      | CA00292R | TRS . DTA144EKT146      |
| TR7                 | CF01331R | TRS DTC323TSTP                         | TR707      | 2316691R | TRS DTC144EKAT          |
| TR8                 | CF01331R | TRS DTC323TSTP                         | TR708      | CA00292R | TRS . DTA144EKT146      |
| TR9                 | CF01211R | TRS DTC144TSATP                        | TR709      | 2316691R | TRS DTC144EKAT          |
|                     |          |                                        | TR710      | 2316361R | TRS . DTC114EKT146      |

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|------------|----------|----------------------------------|------------|----------|-------------------------------|
| TR711      | CA00292R | TRS . DTA144EKT146               | IC302      | CP06421  | IC LC7536                     |
| TR712      | 2316691R | TRS DTC144EKAT                   | IC303      | CP06421  | IC LC7536                     |
| TR801      | 2328625T | TRS 2SB647C TZ                   | IC304      | CK02301T | IC NJM2068M                   |
| TR802      | CF01191R | TRS 2SA988-T (E/F)               | IC305      | CK02301T | IC NJM2068M                   |
| TR804      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC306      | CK02301T | IC NJM2068M                   |
| TR805      | CA00691R | TRS 2SA1037AKT146R               | IC307      | CK02301T | IC NJM2068M                   |
| TR806      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC308      | CK02301T | IC NJM2068M                   |
| TR807      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC309      | CK02301T | IC NJM2068M                   |
| TR808      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC401      | CP07391  | IC STK413-010B                |
| TR809      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC501      | CP07401  | IC STK412-010B                |
| TR810      | CA00691R | TRS 2SA1037AKT146R               | IC601      | CK32011R | IC TC74HC151AF (EL)           |
| TR811      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC602      | DT00261  | TORX178B (OPTICAL OUT)        |
| TR812      | CA00301R | TRS DTC143EKAT146                | IC603      | DT00261  | TORX178B (OPTICAL OUT)        |
| TR813      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC604      | DT00261  | TORX178B (OPTICAL OUT)        |
| TR814      | CA00291R | TRS DTA114EKT146                 | IC605      | CP07201  | IC BA7625                     |
| TR815      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC606      | CP07211  | IC BA7612N                    |
| TR816      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC607      | CP07211  | IC BA7612N                    |
| TR817      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC608      | CP07211  | IC BA7612N                    |
| TR818      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC609      | CK34321R | IC BA7626F                    |
| TR819      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC610      | CP07201  | IC BA7625                     |
| TR820      | 2325691R | TRS. CHIP 2SC2412KT146R          | IC611      | CK01811R | IC BU4066BCF-T1               |
| TR821      | CF01191R | TRS 2SA988-T (E/F)               | IC701      | CK32051  | IC LC75721E                   |
| TR901      | 2318303T | TRS 2SC1740S (S) TP              | IC702      | CW00202  | I/R RECEIVER MODULE PIC-28043 |
| ICS:       |          |                                  | IC751      | CK01451R | IC BA15218F-E2                |
| IC1        | 2300412W | IC LA1265S                       | IC801      | CK34282  | IC TMP87PS71F                 |
| IC2        | CP03061  | IC LA3401                        | IC802      | CP04231  | IC BA05T                      |
| IC3        | CK09831R | IC LC72131MD-TRM                 | IC803      | CP02412  | IC KIA7806API                 |
| IC4        | CP02414  | IC KIA7809PI                     | IC804      | CP02416  | IC KIA7812API                 |
| IC91       | CK04451  | IC SAA6579T/V1 (D-C850) [E, EBS] | IC805      | CP05542  | IC KIA7912PI                  |
| IC92       | CK04471R | IC LC7074M [E, EBS]              | IC806      | CP04231  | IC BA05T                      |
| IC101      | CK02301T | IC NJM2068M                      | IC951      | CK32021R | IC TC9164AF (ELP)             |
| IC102      | CK32031  | IC TC9273F-007                   | DIODES:    |          |                               |
| IC151      | 2388301R | IC BA4558F-T1                    | D1         | 2398921T | DIODE ISS133T-72              |
| IC152      | 2388301R | IC BA4558F-T1                    | D2         | 2398921T | DIODE ISS133T-72              |
| IC171      | CK01451R | IC BA15218F-E2                   | D3         | 2398921T | DIODE ISS133T-72              |
| IC172      | CK01451R | IC BA15218F-E2                   | D4         | 2398921T | DIODE ISS133T-72              |
| IC173      | CK01451R | IC BA15218F-E2                   | D101       | 2398921T | DIODE ISS133T-72              |
| IC201      | CK09541R | IC HD74HCT245TELL                | D102       | 2398921T | DIODE ISS133T-72              |
| IC202      | CK32042  | IC AK4527                        | D103       | 2398921T | DIODE ISS133T-72              |
| IC203      | CK33841U | IC ZR38650                       | D201       | CC00003R | DIODE ISS355TE-17             |
| IC204      | CK34871A | IC MX27C400MC-12                 | D202       | CC00003R | DIODE ISS355TE-17             |
| IC205      | CK01451R | IC BA15218F-E2                   | D203       | CC00003R | DIODE ISS355TE-17             |
| IC206      | CK01451R | IC BA15218F-E2                   | D401       | 2398921T | DIODE ISS133T-72              |
| IC207      | CK01451R | IC BA15218F-E2                   | D402       | 2398921T | DIODE ISS133T-72              |
| IC208      | CK01451R | IC BA15218F-E2                   | D403       | 2398921T | DIODE ISS133T-72              |
| IC209      | CK01451R | IC BA15218F-E2                   | D404       | 2398921T | DIODE ISS133T-72              |
| IC210      | CK33861U | IC IS61C3216-15T                 | D405       | 2398921T | DIODE ISS133T-72              |
| IC211      | CK33861U | IC IS61C3216-15T                 | D406       | 2398921T | DIODE ISS133T-72              |
| IC212      | CK34041R | IC TC7SET04F                     | D407       | 2398921T | DIODE ISS133T-72              |
| IC213      | CZ00671R | IC BA033FP-E2                    | D408       | 2398921T | DIODE ISS133T-72              |
| IC214      | CZ00672R | IC BA05FP-E2                     | D409       | 2398921T | DIODE ISS133T-72              |
| IC301      | CP06421  | IC LC7536                        | D410       | 2398921T | DIODE ISS133T-72              |

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| SYMBOL NO. | PART NO. | DESCRIPTION                 | SYMBOL NO.           | PART NO. | DESCRIPTION                     |
|------------|----------|-----------------------------|----------------------|----------|---------------------------------|
| D501       | 2398921T | DIODE ISS133T-72            | <b>TRANSFORMERS:</b> |          |                                 |
| D502       | 2398921T | DIODE ISS133T-72            | $\Delta$ PT001       | BT01782  | POWER TRANSFORMER [E, EBS]      |
| D503       | 2398921T | DIODE ISS133T-72            | $\Delta$ PT001       | BT01783  | POWER TRANSFORMER [W, WUN, WAU] |
| D504       | 2398921T | DIODE ISS133T-72            | PT902                | BT01413  | SUB TRANSFORMER [E/BS]          |
| D505       | 2398921T | DIODE ISS133T-72            | PT902                | BT01414  | SUB TRANSFORMER [W, WUN, WAU]   |
| D506       | 2398921T | DIODE ISS133T-72            | <b>FUSES:</b>        |          |                                 |
| D507       | 2398921T | DIODE ISS133T-72            | $\Delta$ F902        | FN00225  | FUSE T3.15A 250V [E, EBS]       |
| D508       | 2398921T | DIODE ISS133T-72            | $\Delta$ F902        | FN00341  | FUSE T6.3A 250V [W, WUN, WAU]   |
| D509       | 2398921T | DIODE ISS133T-72            | $\Delta$ F903        | FN00225  | FUSE T3.15A 250V [W, WUN, WAU]  |
| D601       | 2398921T | DIODE ISS133T-72            | $\Delta$ F904        | FN00223  | FUSE T5A [E, EBS, W, WUN, WAU]  |
| D602       | 2398921T | DIODE ISS133T-72            | $\Delta$ F905        | FN00223  | FUSE T5A [E, EBS, W, WUN, WAU]  |
| D701       | 2398921T | DIODE ISS133T-72            | $\Delta$ F906        | FN00224  | GLASS FUSE 5X20MM T1A/250V      |
| D702       | 2398921T | DIODE ISS133T-72            | $\Delta$ F907        | FN00224  | GLASS FUSE 5X20MM T1A/250V      |
| D703       | 2398921T | DIODE ISS133T-72            | <b>COILS:</b>        |          |                                 |
| D704       | 2398921T | DIODE ISS133T-72            | L401                 | 2227362  | TRAP COIL 1.1UH                 |
| D804       | 2337461W | S4VB20 (FORMED)             | L402                 | 2227362  | TRAP COIL 1.1UH                 |
| D805       | 2337461W | S4VB20 (FORMED)             | L403                 | 2227362  | TRAP COIL 1.1UH                 |
| D806       | 2337461W | S4VB20 (FORMED)             | L501                 | 2227362  | TRAP COIL 1.1UH                 |
| D808       | 2337461W | S4VB20 (FORMED)             | L502                 | 2227362  | TRAP COIL 1.1UH                 |
| D809       | 2398921T | DIODE ISS133T-72            | L801                 | 2122239M | AXIAL COIL LAL04 TB 100K        |
| D810       | 2398921T | DIODE ISS133T-72            | T3                   | BJ00251  | AM IF COIL 950582285B           |
| D811       | 2398061T | RECTIFIER DIODE IN4002 TAPE | T4                   | BS00071  | FM DISCRI.COIL                  |
| D812       | 2398921T | DIODE ISS133T-72            | <b>SWITCHES:</b>     |          |                                 |
| D813       | 2398061T | RECTIFIER DIODE IN4002 TAPE | S1                   | 2622521  | SLIDE SWITCH [W, WUN, WAU]      |
| D814       | 2398061T | RECTIFIER DIODE IN4002 TAPE | S501                 | FE00181  | SPK SWITCH SPW24-11             |
| D815       | 2398921T | DIODE ISS133T-72            | S702                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| D901       | CH02053M | RECTIFIER DIODE IN4002 TAPE | S703                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| D902       | CH02053M | RECTIFIER DIODE IN4002 TAPE | S704                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| D903       | CH02053M | RECTIFIER DIODE IN4002 TAPE | S705                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| D904       | CH02053M | RECTIFIER DIODE IN4002 TAPE | S706                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| D905       | CH02053M | RECTIFIER DIODE IN4002 TAPE | S707                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| D906       | CH02053M | RECTIFIER DIODE IN4002 TAPE | S708                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| D907       | 2398921T | DIODE ISS133T-72            | S709                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD401      | 2348213Q | ZENER DIODE MTZJ15C         | S710                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD402      | 2348213Q | ZENER DIODE MTZJ15C         | S711                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD403      | 2339032Q | ZENER DIODE HZS6C2LTD       | S712                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD404      | 2339032Q | ZENER DIODE HZS6C2LTD       | S713                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD405      | 2339032M | ZENER DIODE HZS6C2L         | S714                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD501      | 2348213Q | ZENER DIODE MTZJ15C         | S715                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD502      | 2348213Q | ZENER DIODE MTZJ15C         | S716                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD503      | 2339032M | ZENER DIODE HZS6C2L         | S717                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD504      | 2339032M | ZENER DIODE HZS6C2L         | S718                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD505      | 2339032M | ZENER DIODE HZS6C2L         | S719                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD506      | 2339032M | ZENER DIODE HZS6C2L         | S720                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD703      | 2348161M | DIODE MTZJ9.1A              | S721                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD704      | 2348111M | DIODE MTZJ5.6A              | S722                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD801      | 2339232Q | DIODE HZS30-2L              | S723                 | FE00411R | TACT SWITCH (SKQNABD010)        |
| ZD802      | 2348051Q | DIODE MTZJT-773.3A          | S724                 | FH00191  | ENCODER                         |
| ZD804      | 2348051Q | DIODE MTZJT-773.3A          |                      |          |                                 |
| LED701     | CH01501  | LED SLR-56VC3F              |                      |          |                                 |
| LED702     | CH01501  | LED SLR-56VC3F              |                      |          |                                 |
| LED703     | CH01501  | LED SLR-56VC3F              |                      |          |                                 |
| LED704     | CH01501  | LED SLR-56VC3F              |                      |          |                                 |

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|-----------------------|----------|------------------------------------------|------------|----------|---------------------------|
| S725                  | FE00411R | TACT SWITCH (SKQNABD010)                 | CN6B       | EY00105  | B/B SOCKET IMSA9110S-16L  |
| S726                  | FE00411R | TACT SWITCH (SKQNABD010)                 | CN7B       | EY00091  | B-B SOCKET IMSA-9110S-03L |
| S901                  | FE00361  | POWER SWITCH SY16-22-1 (U99SI) T         | CN8B       | EY00094  | 6P SOCKET 9110S-06L       |
| S902                  | FG00011  | VOLTAGE SELECTOR SWITCH [W, WUN, WAU]    | CN9B       | EY00097  | B-B SOCKET 1MSA9110S-09L  |
| S903                  | FG00011  | VOLTAGE SELECTOR SWITCH [W, WUN, WAU]    | CN10B      | EY00097  | B-B SOCKET 1MSA9110S-09L  |
| <b>MISCELLANEOUS:</b> |          |                                          | CN11B      | EY00094  | 6P SOCKET 9110S-06L       |
| $\Delta$ AP1          | EV00586  | CEE POWER CORD W/BUSH L=2M [E,EBS,W,WUN] | CN16B      | EY00095  | B-B SOCKET 1MSA9110S-07L  |
| $\Delta$ AP1          | EV00589  | POWER CORD [WAU]                         | CN17B      | EY00092  | 4P SOCKET 9110S-04        |
| BL1                   | BH00531  | MW ANT. COIL (BLOCK)                     | CN18B      | EY00092  | 4P SOCKET 9110S-04        |
| CF1                   | 2134992  | CER FILTER SFE 10.7MA8-A [W, WUN, WAU]   | CN19B      | EY00484  | 6P SOCKET 1MSA913S0S-06L  |
| CF1                   | BN00101  | CER. FILTER SFT 10.7MS2-A [E, EBS]       | CN20B      | EY00488  | B/B SOCKET 1MSA9130S-10L  |
| CF2                   | BN00101  | CER. FILTER SFT 10.7MS2-A [E, EBS]       | CN21B      | EY00094  | 6P SOCKET 9110S-06L       |
| CF2                   | BN00111  | CER FILTER SFE1 0.7MS2G-A [W, WUN, WAU]  | E003       | 2729252R | FUSE HOLDER (TAPING)      |
| CF3                   | BP00501  | CER. FILTER BFU450C4N                    | E004       | 2729252R | FUSE HOLDER (TAPING)      |
| CF4                   | BP00491  | CERAMIC FILTER CMU2-456A16               | E005       | 2729252R | FUSE HOLDER [W, WUN, WAU] |
| CN3                   | ED01425  | TXL 3P CONN                              | E006       | 2729252R | FUSE HOLDER [W, WUN, WAU] |
| CN12                  | EF06919  | KR-DA CONN 4P L=500MM                    | E007       | 2729252R | FUSE HOLDER (TAPING)      |
| CN13                  | EF06892  | KR-DA CONN 7P L=300MM                    | E008       | 2729252R | FUSE HOLDER (TAPING)      |
| CN14                  | 2909049  | PH-SAN CONN 2P L=220MM                   | E009       | 2729252R | FUSE HOLDER (TAPING)      |
| CN15                  | EF06879  | KR-DA CONN 3P L=250MM                    | E010       | 2729252R | FUSE HOLDER (TAPING)      |
| CN22                  | 2909046L | PH-SAN CONN 2P L=160MM                   | E011       | 2729252R | FUSE HOLDER (TAPING)      |
| CN201                 | EF06809  | 3P KR-DA CONN L=240                      | E012       | 2729252R | FUSE HOLDER (TAPING)      |
| CN202                 | EY00102  | 13P SOCKET 9110S-13                      | E013       | 2729252R | FUSE HOLDER (TAPING)      |
| CN203                 | EY00097  | 9P SOCKET IMSA 9110S-09L                 | E014       | 2729252R | FUSE HOLDER (TAPING)      |
| CN204                 | EF06824  | 4P KR-DA CONN L=140                      | ECP01      | EP00062  | EURO CONVERTER PLUG [EBS] |
| CN205                 | EF06015  | 5P MX SHIELD CONNECTOR                   | FB201      | BM00288R | BLM11B471SBPT             |
| CN206                 | EF06014  | 3P MX SHIELD CONNECTOR                   | FB202      | BM00288R | BLM11B471SBPT             |
| CN1A                  | ED00772  | MX CONN 7P (52045-0745)                  | FB203      | BM00288R | BLM11B471SBPT             |
| CN2A                  | ED03326  | 19P FFC CON BASE                         | FB204      | BM00288R | BLM11B471SBPT             |
| CN4A                  | EY00073  | B-B PIN HEADER IMSA-9110B-05             | FB205      | BM00288R | BLM11B471SBPT             |
| CN5A                  | EY00079  | B-B PIN HEADER IMSA-9110B-11L            | FB206      | BM00288R | BLM11B471SBPT             |
| CN6A                  | EY00085  | B/B PIN HEADER IMSA9110B-16              | FB207      | BM00288R | BLM11B471SBPT             |
| CN7A                  | EY00071  | B-B PIN HEADER IMSA-9110B-03             | FB208      | BM00288R | BLM11B471SBPT             |
| CN8A                  | EY00074  | 6P PIN HEADER 9110B-06                   | FB209      | BM00288R | BLM11B471SBPT             |
| CN9A                  | EY00077  | B-B PIN HEADER IMSA9110B-09              | FB210      | BM00288R | BLM11B471SBPT             |
| CN10A                 | EY00077  | B-B PIN HEADER 1MSA9110B-09              | FB211      | BM00288R | BLM11B471SBPT             |
| CN11A                 | EY00074  | 6P PIN HEADER 9110B-06                   | FB212      | BZ01421  | BL02RN1-R62               |
| CN16A                 | EY00075  | B-B PIN HEADER 1MSA9110B-07              | FB213      | BZ01421  | BL02RN1-R62               |
| CN17A                 | EY00072  | 4P PIN HEADER 9110B-04                   | FB214      | BZ01421  | BL02RN1-R62               |
| CN18A                 | EY00072  | 4P PIN HEADER 9110B-04                   | FB218      | 0195250R | JAMPER CHIP               |
| CN19A                 | EY00514  | 6P PIN HEADER 1MSA9130B-06               | FB219      | BM00288R | BLM11B471SBPT             |
| CN20A                 | EY00518  | 10P PIN HEADER 1MSA9130B-10              | FB220      | BM00288R | BLM11B471SBPT             |
| CN21A                 | EY00074  | 6P PIN HEADER 9110B-06                   | FB221      | BM00288R | BLM11B471SBPT             |
| CN201A                | 2959052  | 3P PIN POST (A2001WV2-3P)                | FB222      | BM00288R | BLM11B471SBPT             |
| CN202A                | EY00082  | B-B PIN HEADER 1MSA9110B-13              | FB223      | BM00288R | BLM11B471SBPT             |
| CN203A                | EY00077  | B-B PIN HEADER 1MSA9110B-09              | FB224      | BM00288R | BLM11B471SBPT             |
| CN204A                | 2959053  | 4P PIN POST (A2001WV2-4P)                | FB231      | BZ01421  | BL02RN1-R62               |
| CN1B                  | ED00321  | MX BOTTOM/E CONN (52492-0720)            | FB401      | BZ01422M | 8L01RN1-A62               |
| CN2B                  | ED00323  | 19P FFC CON BOTTOM                       | FB402      | BZ01422M | 8L01RN1-A62               |
| CN4B                  | EY00093  | B-B SOCKET IMSA-9110S-05L                | FB403      | BZ01422M | 8L01RN1-A62               |
| CN5B                  | EY00099  | B-B SOCKET IMSA-9110S-11L                | FB404      | BZ01422M | 8L01RN1-A62               |
|                       |          |                                          | FB405      | BZ01423R | BL02RN2-R62               |
|                       |          |                                          | FB406      | BZ01423R | BL02RN2-R62               |

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|------------|----------|--------------------------------|------------|----------|--------------------------------|
| FB601      | BZ01423R | BL02RN2-R62                    | J873       | 0790001R | CHIP RES 1/16W 0-J             |
| FB602      | BZ01423R | BL02RN2-R62                    | J874       | 0790001R | CHIP RES 1/16W 0-J             |
| FB603      | BZ01423R | BL02RN2-R62                    | J875       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD |
| FB701      | BZ01421  | FERRITE BEAD INDUCTOR          | J876       | 0790001R | CHIP RES 1/16W 0-J             |
| FL701      | DD00421  | FL TUBE                        | J877       | 0790001R | CHIP RES 1/16W 0-J             |
| J182       | 0790001R | CHIP RES 1/16W 0-J             | J878       | 0790001R | CHIP RES 1/16W 0-J             |
| J701       | 0790001R | CHIP RES 1/16W 0-J             | J879       | 0790001R | CHIP RES 1/16W 0-J             |
| J702       | 0790001R | CHIP RES 1/16W 0-J             | J880       | 0790001R | CHIP RES 1/16W 0-J             |
| J703       | 0790001R | CHIP RES 1/16W 0-J             | J881       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD |
| J704       | 0790001R | CHIP RES 1/16W 0-J             | J882       | 0790001R | CHIP RES 1/16W 0-J             |
| J705       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | J883       | 0790001R | CHIP RES 1/16W 0-J             |
| J706       | 0790001R | CHIP RES 1/16W 0-J             | J884       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD |
| J707       | 0790001R | CHIP RES 1/16W 0-J             | J885       | 0790001R | CHIP RES 1/16W 0-J             |
| J708       | 0790001R | CHIP RES 1/16W 0-J             | J886       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD |
| J709       | 0790001R | CHIP RES 1/16W 0-J             | J887       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD |
| J710       | 0790001R | CHIP RES 1/16W 0-J             | J888       | 0790001R | CHIP RES 1/16W 0-J             |
| J711       | 0790001R | CHIP RES 1/16W 0-J             | J889       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD |
| J712       | 0790001R | CHIP RES 1/16W 0-J             | J890       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD |
| J713       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | J891       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD |
| J714       | 0790001R | CHIP RES 1/16W 0-J             | J892       | 0790001R | CHIP RES 1/16W 0-J             |
| J715       | 0790001R | CHIP RES 1/16W 0-J             | J893       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD |
| J716       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | JK1        | EU00011  | ANTENNA TERMINAL BOARD         |
| J717       | 0790001R | CHIP RES 1/16W 0-J             | JK101      | ER00223  | 6P US PIN JACK HSP-246V1-01    |
| J718       | 0790001R | CHIP RES 1/16W 0-J             | JK102      | ER00222  | 8P US PIN JACK HSP-248V1-01    |
| J719       | 0790001R | CHIP RES 1/16W 0-J             | JK401      | EU00089  | 4P SP TERMINAL                 |
| J720       | 0790001R | CHIP RES 1/16W 0-J             | JK501      | ER00811  | 4P SCREW TERMINAL              |
| J721       | 0790001R | CHIP RES 1/16W 0-J             | JK502      | ER00612  | 6P SCREW TERMINAL              |
| J722       | 0790001R | CHIP RES 1/16W 0-J             | JK503      | 2695013  | HEAD PHONE JACK 6.4 HTJ-064-07 |
| J723       | 0790001R | CHIP RES 1/16W 0-J             | JK504      | ER00241  | RCA PIN JACK D-C1250/C850      |
| J724       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | JK601      | ER00234  | 3P US PIN JACK (YEL) YKC213508 |
| J725       | 0790001R | CHIP RES 1/16W 0-J             | JK603      | ER00771  | 2P US PIN JACK (YEL)           |
| J726       | 0790001R | CHIP RES 1/16W 0-J             | JK604      | ER00228  | 2P US PIN JACK                 |
| J727       | 0790001R | CHIP RES 1/16W 0-J             | JK605      | ER00761  | 9P US PIN JACK                 |
| J728       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | JK608      | ER00781  | 3P S-VIDEO                     |
| J729       | 0790001R | CHIP RES 1/16W 0-J             | JK609      | ER00791  | 2P S-VIDEO                     |
| J730       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | JK951      | ER00223  | 6P US PIN JACK HSP-246V1-01    |
| J731       | 0790001R | CHIP RES 1/16W 0-J             | JP202      | 0790001R | CHIP RES 1/16W 0-J             |
| J732       | 0790001R | CHIP RES 1/16W 0-J             | JP206      | 0195250R | CHIP RES 1/10W 0-J RK73K2ATD   |
| J733       | 0790001R | CHIP RES 1/16W 0-J             | JP207      | 0195250R | CHIP RES 1/10W 0-J RK73K2ATD   |
| J734       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | K701       | 0790001R | CHIP RES 1/16W 0-J             |
| J735       | 0790001R | CHIP RES 1/16W 0-J             | K702       | 0790001R | CHIP RES 1/16W 0-J             |
| J736       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | K703       | 0790001R | CHIP RES 1/16W 0-J             |
| J737       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | K704       | 0790001R | CHIP RES 1/16W 0-J             |
| J738       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | K705       | 0790001R | CHIP RES 1/16W 0-J             |
| J739       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | K709       | 0790001R | CHIP RES 1/16W 0-J             |
| J740       | 0790001R | CHIP RES 1/16W 0-J             | K710       | 0790001R | CHIP RES 1/16W 0-J             |
| J741       | 0790001R | CHIP RES 1/16W 0-J             | L802       | BZ01421  | FERRITE BEAD INDUCTOR          |
| J742       | 0790001R | CHIP RES 1/16W 0-J             | LF1        | 2136313  | LPF FB-7SG                     |
| J743       | 0790001R | CHIP RES 1/16W 0-J             | LF2        | 2136314  | LPF FB-7SG                     |
| J744       | AQ00701R | CHIP JUMPER 0-J 1/4W RK73K2ETD | LF3        | 2136314  | LPF FB-7SG                     |
| J745       | 0790001R | CHIP RES 1/16W 0-J             | LF101      | BJ00211  | LOW PASS FILTER [E, EBS]       |
| J871       | 0790001R | CHIP RES 1/16W 0-J             | LF102      | BJ00211  | LOW PASS FILTER [E, EBS]       |
| J872       | 0790001R | CHIP RES 1/16W 0-J             | N701       | NJ04521  | FL HOLDER                      |

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| SYMBOL NO.              | PART NO. | DESCRIPTION                                 | SYMBOL NO. | PART NO. | DESCRIPTION                         |
|-------------------------|----------|---------------------------------------------|------------|----------|-------------------------------------|
| PG3                     | 2658692W | TXL-P03P-M1 (RIGHT ANGLE)                   |            |          |                                     |
| PG12                    | 2959053  | PIN POST (A2001WV2-4P)                      |            |          |                                     |
| PG13                    | 2959056  | PIN POST (A2001WV2-7P)                      |            |          |                                     |
| PG14                    | 2959051  | 2P PIN POST (A2001WV2-2P)                   |            |          |                                     |
| PG15                    | 2959052  | PIN POST (A2001WV2-3P)                      |            |          |                                     |
| PG22                    | 2959051  | 2P PIN POST (A2001WV2-2P)                   |            |          |                                     |
| PG24                    | 2959052  | 3P PH PIN POST                              |            |          |                                     |
| PG25                    | 2674284  | 3.96MM PIN POST (B2P4-VH-B)                 |            |          |                                     |
| PG205                   | 2674264  | MX MINI PIN POST (53253-0510)               |            |          |                                     |
| PG206                   | 2674262  | MX MINI PIN POST (53253-0310)               |            |          |                                     |
| RY401                   | 2641322  | SPEAKER RELAY ALA2F24                       |            |          |                                     |
| RY402                   | 2641322  | SPEAKER RELAY ALA2F24                       |            |          |                                     |
| RY501                   | 2641322  | SPEAKER RELAY ALA2F24                       |            |          |                                     |
| RY502                   | 2641322  | SPEAKER RELAY ALA2F24                       |            |          |                                     |
| RY503                   | 2641322  | SPEAKER RELAY ALA2F24                       |            |          |                                     |
| RY901                   | FJ00152  | RELAY (ALKS325)                             |            |          |                                     |
| T201                    | 0544408  | LUG TERMINAL                                |            |          |                                     |
| TH801                   | CJ00151  | THERMISTOR PTH9M04BB                        |            |          |                                     |
| TU1                     | HH00041  | TUNER PACK [W, WUN, WAU]                    |            |          |                                     |
| TU1                     | HH00042  | TUNER PACK FE450-G01[E, EBS]                |            |          |                                     |
| VR1                     | AW00107  | VAR RES NVZ6TL1 B20K                        |            |          |                                     |
| VR752                   | AY00682  | VAR RES 30K-C XVB141 02GPNV17               |            |          |                                     |
| VR753                   | AY00681  | VAR RES 10K-C XVB141 GPNV17.5               |            |          |                                     |
| W1                      | EK01218  | 1P BOARD IN CONN L=100MM WHT [W, WUN, WAU]  |            |          |                                     |
| W2                      | EK01236  | 1P BOARD IN CONN L=150MM BLUE [W, WUN, WAU] |            |          |                                     |
| W3                      | EK01231  | 1P BOARD IN CONN L=150MM BLK [W, WUN, WAU]  |            |          |                                     |
| W4                      | EK01231  | 1P BOARD IN CONN L=150MM BLK                |            |          |                                     |
| W5                      | EK01244  | 1P BOARD IN CONN L=175MM ORG                |            |          |                                     |
| W6                      | EK01244  | 1P BOARD IN CONN L=175MM ORG [W, WUN, WAU]  |            |          |                                     |
| W7                      | EK01233  | 1P BOARD IN CONN L=150MM RED [W, WUN, WAU]  |            |          |                                     |
| W8                      | EK01246  | 1P BOARD IN CONN L=175MM BLU [W, WUN, WAU]  |            |          |                                     |
| W9                      | EK01241  | 1P BOARD IN CONN L=175MM BLK [W, WUN, WAU]  |            |          |                                     |
| W251                    | EK00234  | HCUJ (1.25)-7F-90-10S5                      |            |          |                                     |
| W261                    | EK01023  | 19P FFC CABLE (L=130)                       |            |          |                                     |
| X801                    | BP00141  | OSC CST8.00MTW                              |            |          |                                     |
| X201                    | BP01071  | CRYSTAL 12.288MHZ                           |            |          |                                     |
| XT1                     | 2170132R | CRYSTAL 7.200MHZ TAPING                     |            |          |                                     |
| XT91                    | 2170133R | CRYSTAL 4.332MHZ TAPING [E, EBS]            |            |          |                                     |
| XT92                    | 2792071R | CER.OSC.CST4.00MGW-TF01 [E, EBS]            |            |          |                                     |
| Z017                    | 9563449  | NISSEI SF SLEEVE ESG-3 8MM DIA              |            |          |                                     |
| Z019                    | 1ZA4042  | SENJU SOLDER                                |            |          |                                     |
| Z020                    | 9473457  | ETHYL ALCOHOL                               |            |          |                                     |
| Z022                    | 9414017  | SILICONE GREASE G-746                       |            |          |                                     |
| Z023                    | 9414017  | SILICONE GREASE G-746                       |            |          |                                     |
| Z024                    | 7998081  | NITTO SPV-367 TAPE 70MMX200M                |            |          |                                     |
| Z025                    | 9451125  | UL TUBE NO.7/16 AH6 CLEAR                   |            |          |                                     |
| <b>CABINET CHASSIS:</b> |          |                                             |            |          |                                     |
|                         |          |                                             | 1          | 8679606  | SCREW 4X6 DT BIND B                 |
|                         |          |                                             | 2          | 8699410  | SCREW 3X10 BT BIND B                |
|                         |          |                                             | 3          | 8699410  | SCREW 3X10 BT BIND B                |
|                         |          |                                             | 4          | 8699414  | SCREW 3X14 BT BIND B                |
|                         |          |                                             | 5          | 8679606  | SCREW 4X6 DT BIND B                 |
|                         |          |                                             | 6          | 8691410  | SCREW 3X10 BT BIND                  |
|                         |          |                                             | 7          | 8691414  | SCREW 3X14 BT BIND                  |
|                         |          |                                             | 8          | 8691410  | SCREW 3X10 BT BIND                  |
|                         |          |                                             | 9          | 8699408  | SCREW 3X8 BT BIND B                 |
|                         |          |                                             | 10         | 8699410  | SCREW 3X10 BT BIND B                |
|                         |          |                                             | 11         | 8699410  | SCREW 3X10 BT BIND B                |
|                         |          |                                             | 12         | 8991410  | SCREW 3X10 BT BIND                  |
|                         |          |                                             | 13         | 8691410  | SCREW 3X10 BT BIND                  |
|                         |          |                                             | 14         | 8679406  | SCREW 3X6 DT BIND B                 |
|                         |          |                                             | 15         | 8679406  | SCREW 3X6 DT BIND B                 |
|                         |          |                                             | 16         | 8679408  | SCREW 3X8 DT BIND B                 |
|                         |          |                                             | 17         | NX03961  | PHONO EARTH TERMINAL                |
|                         |          |                                             | 18         | QJ00214  | FOOT (W)                            |
|                         |          |                                             |            | QJ00213  | FOOT (E, EBS, WUN, WAU)             |
|                         |          |                                             | 19         | PC04294  | TUNER BUTTON [E, EBS, WUN, WAU]     |
|                         |          |                                             |            | PC04293  | TUNER BUTTON (W)                    |
|                         |          |                                             | 20         | PC04272  | MASTER VOL KNOB [E, EBS, WUN, WAU]  |
|                         |          |                                             |            | PC04273  | MASTER VOL KNOB (W)                 |
|                         |          |                                             | 21         | PC04282  | BASS TREBLE KNOB [E, EBS, WUN, WAU] |
|                         |          |                                             |            | PC04283  | BASS TREBLE KNOB (W)                |
|                         |          |                                             | 22         | PH08312  | CLEAR PANEL                         |
|                         |          |                                             | 23         | PC01785  | POWER BUTTON (W)                    |
|                         |          |                                             |            | PC01784  | POWER BUTTON [E, EBS, WUN, WAU]     |
|                         |          |                                             | 24         | 8691408  | SCREW 3X8 BT BIND                   |
|                         |          |                                             | 25         | 8691410  | SCREW 3X10 BT BIND                  |
|                         |          |                                             | 26         | 8679406  | SCREW 3X6 DT BIND B                 |
|                         |          |                                             | 27         | MS00211  | FELT                                |
|                         |          |                                             | 28         | QA02071  | TOP COVER [E, EBS, WUN, WAU]        |
|                         |          |                                             |            | QA00499  | TOP COVER (W)                       |
|                         |          |                                             | 29         | QA00481  | BOTTOM CHASSIS                      |
|                         |          |                                             | 30         | 4692076  | CUSHION                             |
|                         |          |                                             | 31         | MN01592  | TOP COVER SHEET (W)                 |
|                         |          |                                             |            | MN01593  | TOP COVER SHEET [E, EBS, WUN, WAU]  |
|                         |          |                                             | 32         | NJ02063  | SHEET HOLDER [E, EBS, WUN, WAU]     |
|                         |          |                                             |            | NJ02062  | SHEET HOLDER (W)                    |
|                         |          |                                             | 33         | ML00251  | MINI PWB POST                       |
|                         |          |                                             | 34         | ML01011  | PWB SUPPORT                         |
|                         |          |                                             | 35         | ML00261  | PWB SUPPORT L                       |
|                         |          |                                             | 36         | MK00246  | NUT M9X0.75                         |
|                         |          |                                             | 37         | MK00321  | NUT M12X1                           |
|                         |          |                                             | 38         | EV00586  | AC CORD W/BUSH [E, EBS, WUN, WAU]   |
|                         |          |                                             |            | EV00589  | AC CORD W/BUSH (WAU)                |

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| SYMBOL NO. | PART NO. | DESCRIPTION                         | SYMBOL NO. | PART NO. | DESCRIPTION |
|------------|----------|-------------------------------------|------------|----------|-------------|
| 39         | HL01492  | REMOTE CONTROLLER RB-1S             |            |          |             |
| 40         | EY00281  | EDISON PLUG ADAPTER                 |            |          |             |
| 41         | PH08835  | FRONT PANEL [E/EBS]                 |            |          |             |
|            | PH08837  | FRONT PANEL [WUN, WAU]              |            |          |             |
|            | PH08839  | FRONT PANEL (W)                     |            |          |             |
| 42         | PH08244  | INNER PANEL [E, EBS, WUN, WAU]      |            |          |             |
|            | PH08245  | INNER PANEL (W)                     |            |          |             |
| 43         | QA01962  | REAR PLATE [E/EBS]                  |            |          |             |
|            | QA01966  | REAR PLATE [W, WUN, WAU]            |            |          |             |
| 44         | PC04463  | FUNCTION BUTTON (W)                 |            |          |             |
|            | PC04462  | FUNCTION BUTTON [E, EBS, WUN, WAU]  |            |          |             |
| 45         | PC04303  | SURROUND BUTTON (W)                 |            |          |             |
|            | PC04304  | SURROUND BUTTON [E, EBS, WUN, WAU]  |            |          |             |
| 46         | PC04313  | SP BUTTON (W)                       |            |          |             |
|            | PC04312  | SP BUTTON [E, EBS, WUN, WAU]        |            |          |             |
| 47         | EF02133  | FM ANT. CONNECTOR                   |            |          |             |
| 48         | 2759342  | AM LOOP ANT                         |            |          |             |
| 49         | ML01041  | PUSH RIVET (HOLDER)                 |            |          |             |
| 50         | 8691408  | SCREW 3X8 BT BIND                   |            |          |             |
| 51         | 8699308  | SCREW 2.6X8 BT BIND B [W, WUN, WAU] |            |          |             |
| 52         | EP00062  | EURO-CONVERTER PLUG (EBS ONLY)      |            |          |             |

# MEMO

# MEMO



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**HTA-DD3YS No. 0094E HITACHI CONSUMER PRODUCTS (S)**  
**[UC, E, E(BS), W, W(UN) WAU]**

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