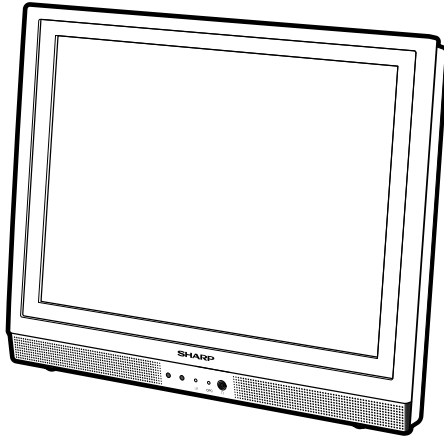


**SHARP****SERVICE MANUAL**

S83H2LC-20S1E

**LCD COLOUR TELEVISION****MODEL LC-20S1E**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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## IMPORTANT SERVICE SAFETY PRECAUTION

- Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

### WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

**CAUTION:** FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE F3301(2A, 250V), F3302(1.25A, 250V), F6700 (1.25A, 250V), F6701 (1.25A, 250V), F6702 (1.25A, 250V), F6703 (1.25A, 250V) AND F6704 (1.25A, 250V) FUSE.

### BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

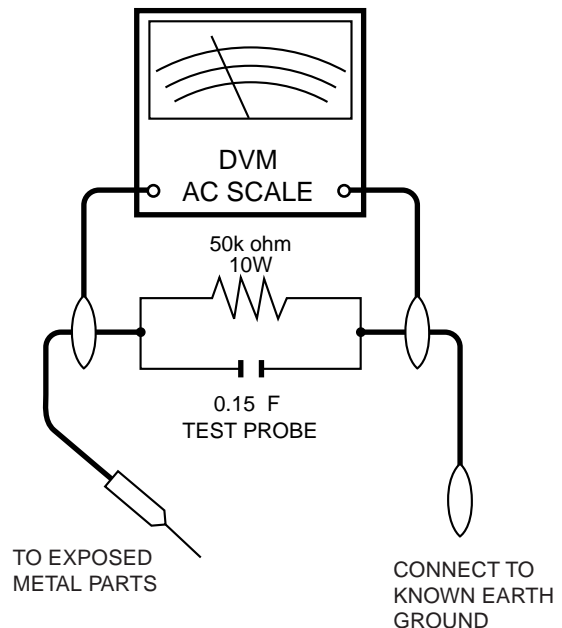
Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
  - Plug the AC cord directly into a 110~240 volt AC outlet, and connect the DC power cable into the receiver's DC jack. (Do not use an isolation transformer for this test).
  - Using two clip leads, connect a 50k ohm, 10 watt resistor paralleled by a 0.15 $\mu$ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.

- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.75V peak (this corresponds to 0.5 mA. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



### SAFETY NOTICE

Many electrical and mechanical parts in LCD television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " ⚠ " and shaded areas in the **Replacement Parts Lists and Schematic Diagrams**.

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

# Precautions for using lead-free solder

## 1 Employing lead-free solder

"MAIN PWB" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

**LF**a

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

## 2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

## 3 Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

Part No.	★	Description	Code
ZHNDai123250E	J	φ0.3mm 250g(1roll)	BL
ZHNDai126500E	J	φ0.6mm 500g(1roll)	BK
ZHNDai12801KE	J	φ1.0mm 1kg(1roll)	BM

# SPECIFICATIONS

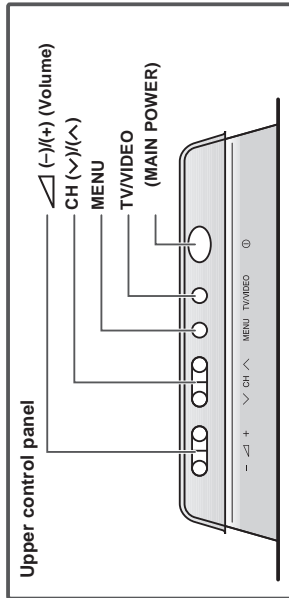
Item	20" LCD COLOUR TV, Model: LC-20S1E	
LCD panel	20" Advanced Super View & BLACK TFT LCD	
Number of dots	921,600 dots	
Video colour system	PAL/SECAM/NTSC	
TV	TV-Standard (CCIR)	B/G, I, D/K, L
	TV-Tuning System	Auto preset 200 ch.
	STEREO/BILINGUAL	NICAM, A2 stereo
	AUTO PRESET	YES
	CATV	~Hyper Band
Brightness	430 cd/m <sup>2</sup>	
Lamp life	60,000 hours	
Viewing angles	H: 170° V: 170°	
Audio amplifier	2.1 W × 2	
Speakers	4 cm × 7 cm 2 pcs.	
Terminals	AV-IN 1	21 pin Euro-SCART
	AV-IN 2	S-VIDEO, VIDEO, AUDIO
	OUT	AUDIO
	Antenna	DIN
	Headphones	3.5 mm $\phi$ jack (Front)
OSD language	English/German/French/Spanish/Italian/Swedish/Dutch/Russian	
Power requirement	DC 12 V, AC 110 V —240 V, 50/60 Hz	
Weight	6.4 kg w/o accessories	
Accessories	Operation Manual, Remote Control, Batteries (× 2), AC adapter, AC cord, Cable clamp	

■ As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

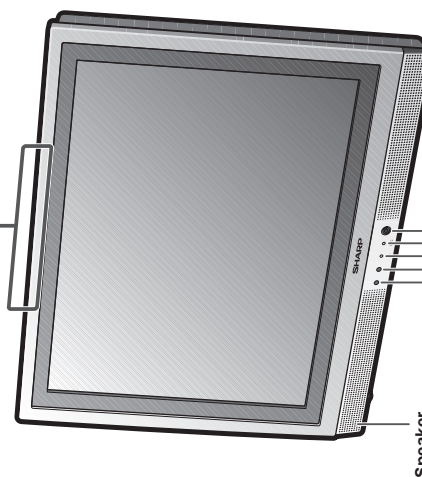
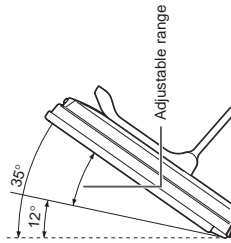
# OPERATION MANUAL

## Part Names of Main Unit

### Controls



The screen can be adjusted backwards to an angle between 12 degrees and 35 degrees. The screen cannot be set up straight. When changing the angle, make sure to hold the stand and adjust the screen to the best viewable angle.

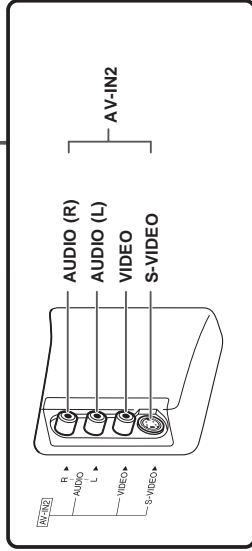
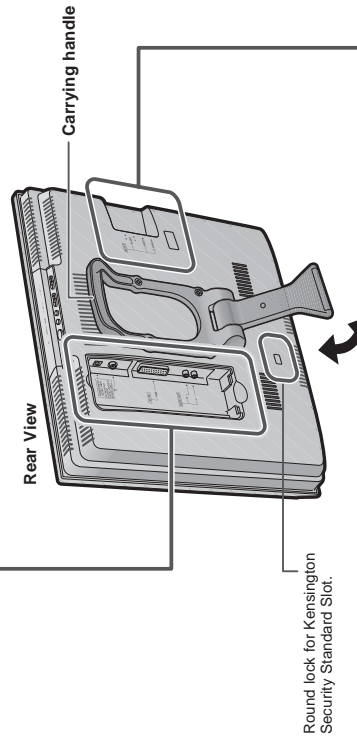
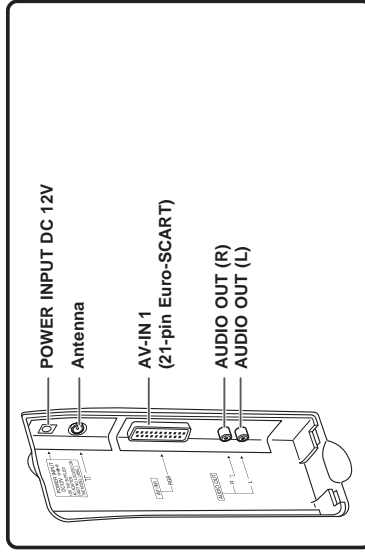


**Headphone jack**  
Plug the headphone mini-plug into the Headphone jack located on the front of the TV set.

**OPC sensor indicator (Optical Picture Control)**  
The Optical Picture Control indicator lights up green when the Brightness is set to Auto.

**POWER/STANDBY/Remote sensor indicator**  
A green indicator lights when the power is on and a red indicator lights when in the standby mode (the indicator will not light when the main power is off). A red indicator blinks when the TV set receives the remote control signal.

### Terminals

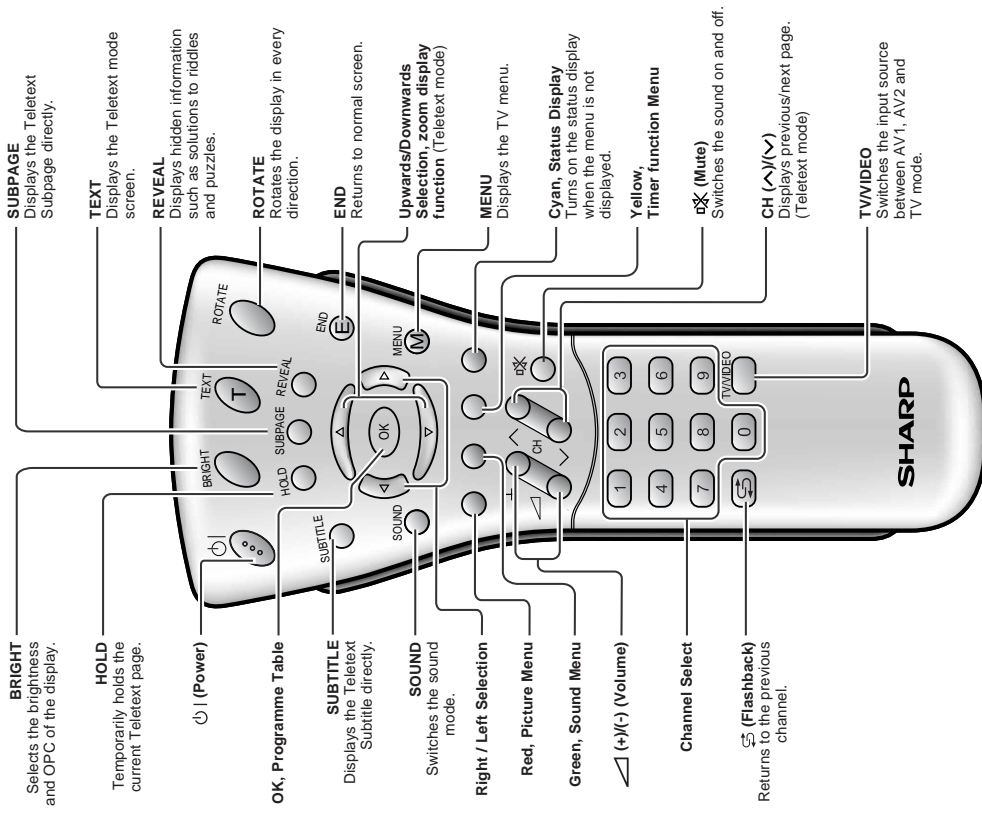


**Stand**  
The screen can be adjusted backwards to an angle between 12 and 35 degrees. When changing the angle, make sure to hold the stand and adjust to the best viewable angle.

\* Be careful to prevent the product from falling over when adjusting the angle. Also place the product on a stable base.

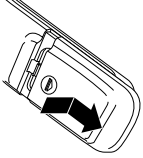
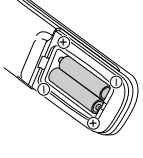
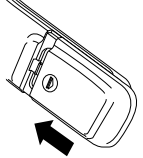
**NOTE**  
• TV/VIDEO, CH (+/−) (Volume) and MENU on the main unit have the same functions as the same buttons on the remote control. Fundamentally, this operation manual provides a description based on operation using the remote control.

## Part Names of Remote Control



## Installing Batteries in the Remote Control

Before using the LCD TV set for the first time, install the two R-03 ("AAA" size, UM/SUM-4) batteries supplied in the remote control. When the batteries become depleted and the remote control fails to operate, replace the batteries with new R-03 ("AAA" size, UM/SUM-4) batteries.

- 1 Open the battery cover.
 
  - Slide the cover while pressing the (▼) part.
- 2 Insert two R-03 ("AAA" size, UM/SUM-4) batteries.
 
  - Position the positive and negative ends of the batteries as indicated in the compartment.
- 3 Replace the battery cover.
 
  - Engaging the lower claw with the remote control, close the cover.

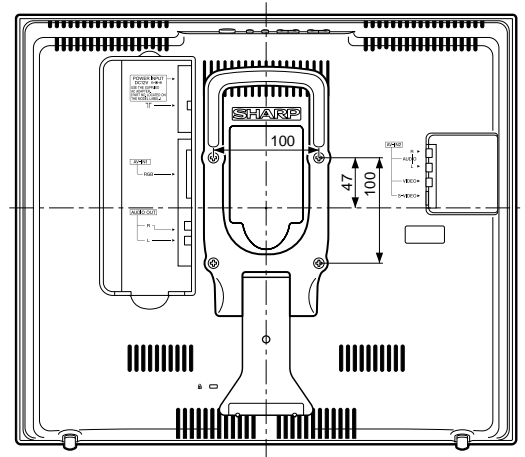
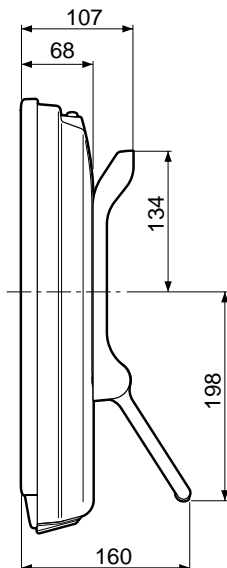
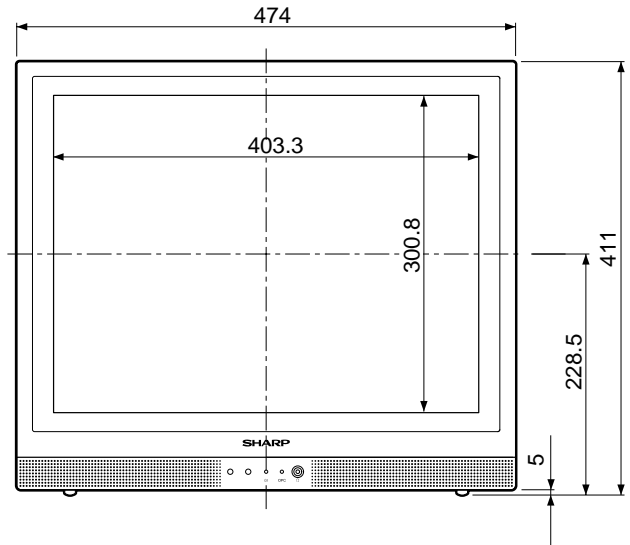
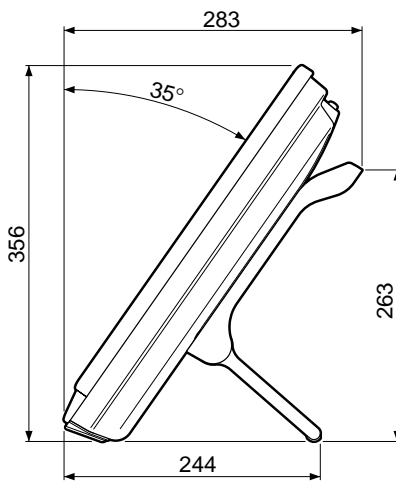
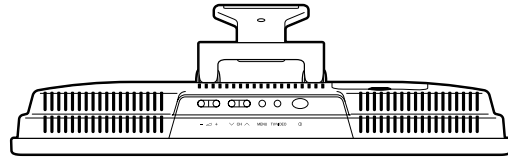
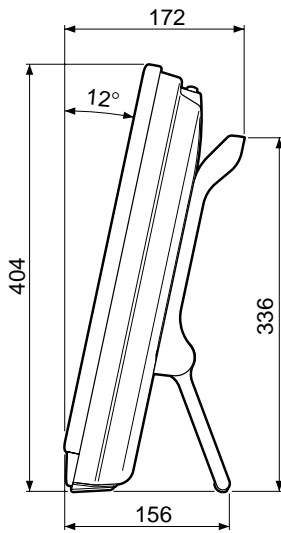
### Caution!

#### Precautions regarding batteries

- Improper use of batteries can result in a leakage of chemicals and/or explosion. Be sure to follow the instructions below.
- Place batteries with their terminals corresponding to the (+) and (-) indications.
- Different types of batteries have different characteristics. Do not mix batteries of different types.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries and/or cause old batteries to leak chemicals.
- Remove batteries as soon as they are depleted. Chemicals that leak from batteries can cause a rash. If chemical leakage is found, wipe it off with a cloth.
- The batteries supplied with the product may have a shorter life expectancy due to storage conditions.
- If the remote control is not to be used for an extended period of time, remove the batteries from the remote control.

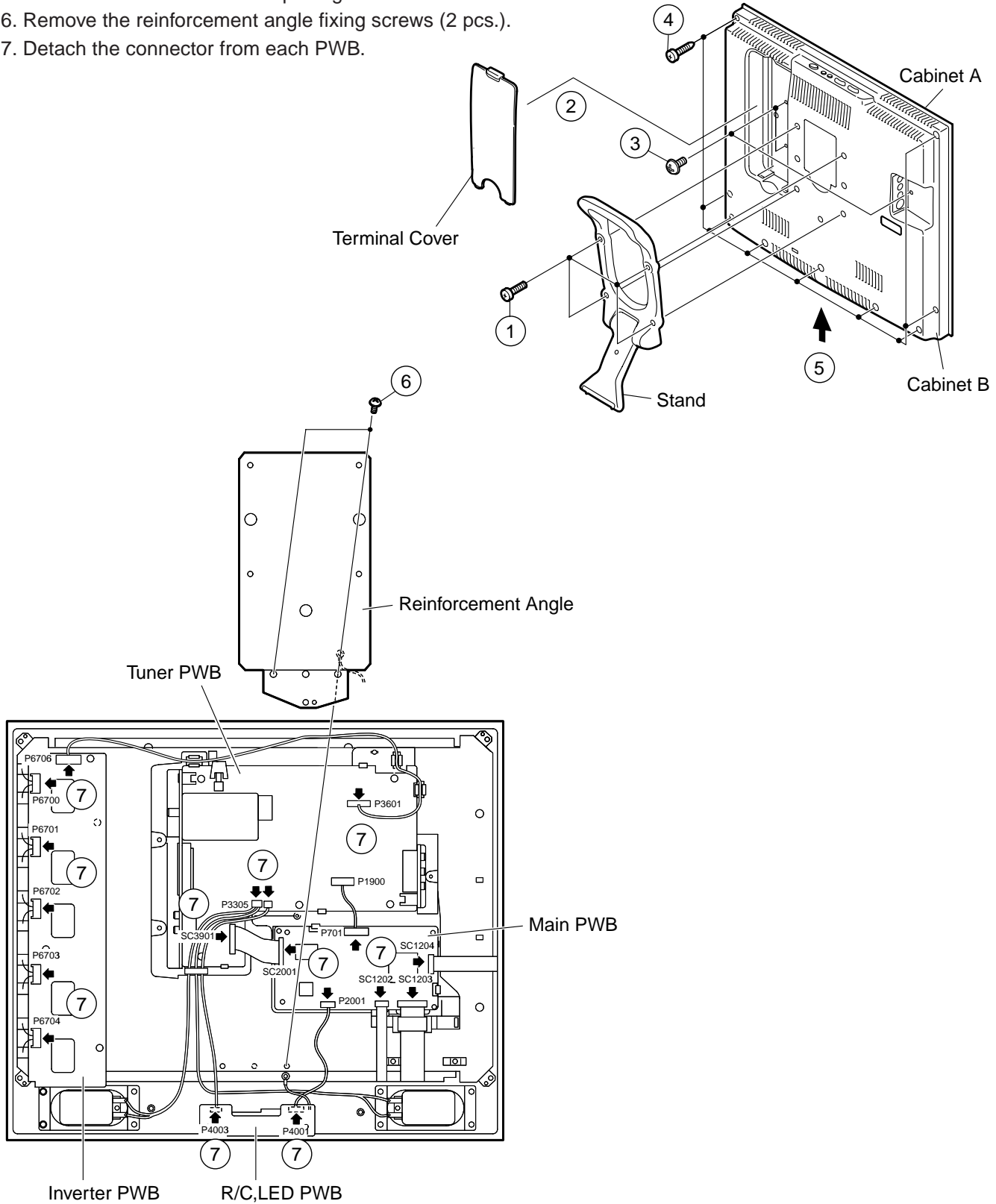
# DIMENSIONS

Unit: mm



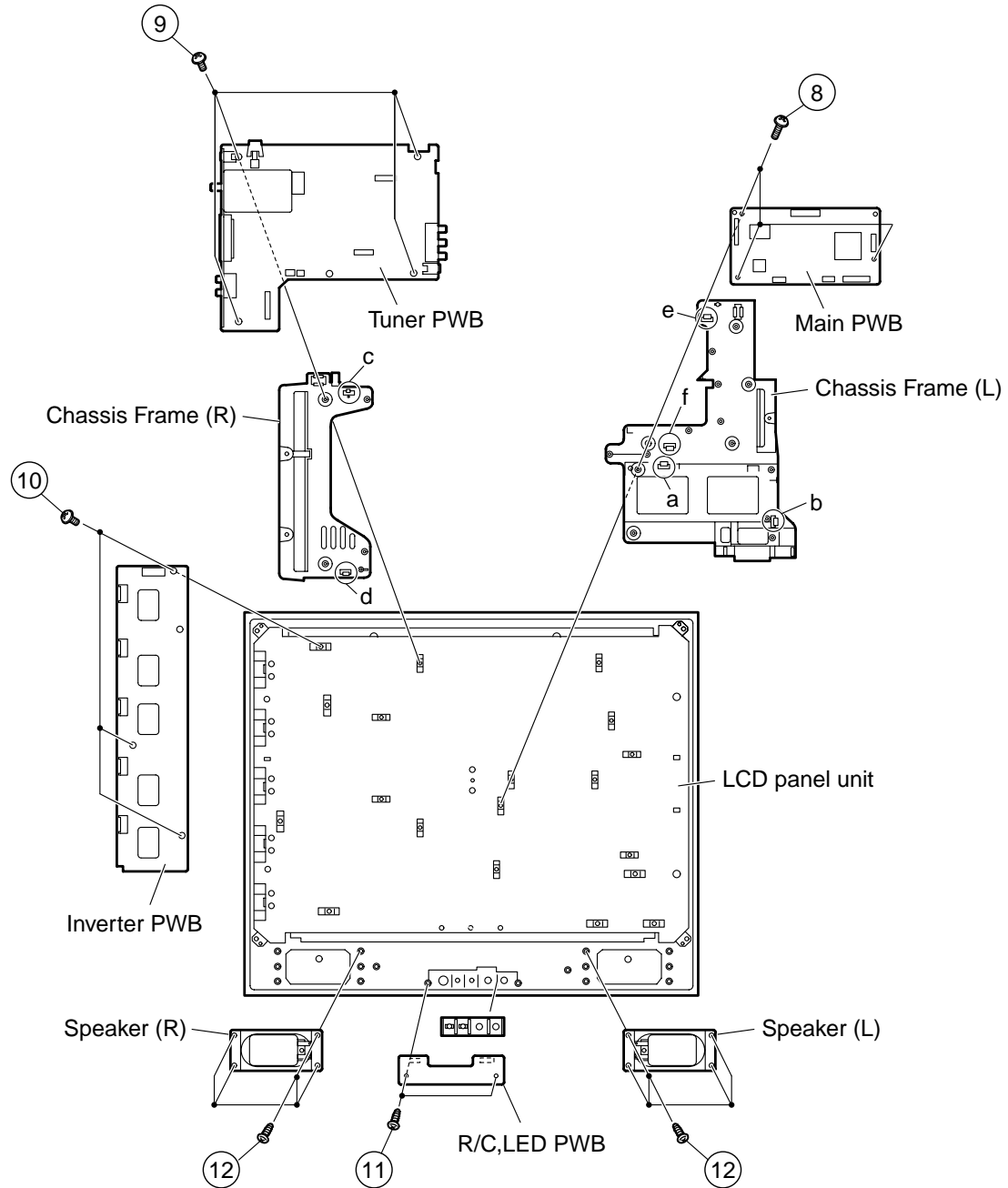
# REMOVING OF MAJOR PARTS

1. Remove the stand fixing screws (4 pcs.).
2. Remove the terminal cover.
3. Remove the terminal section fixing screws (3 pcs.).
4. Remove the cabinet B fixing screws (9 pcs.).
5. Remove the cabinet B after opening from the direction of an arrow.
6. Remove the reinforcement angle fixing screws (2 pcs.).
7. Detach the connector from each PWB.



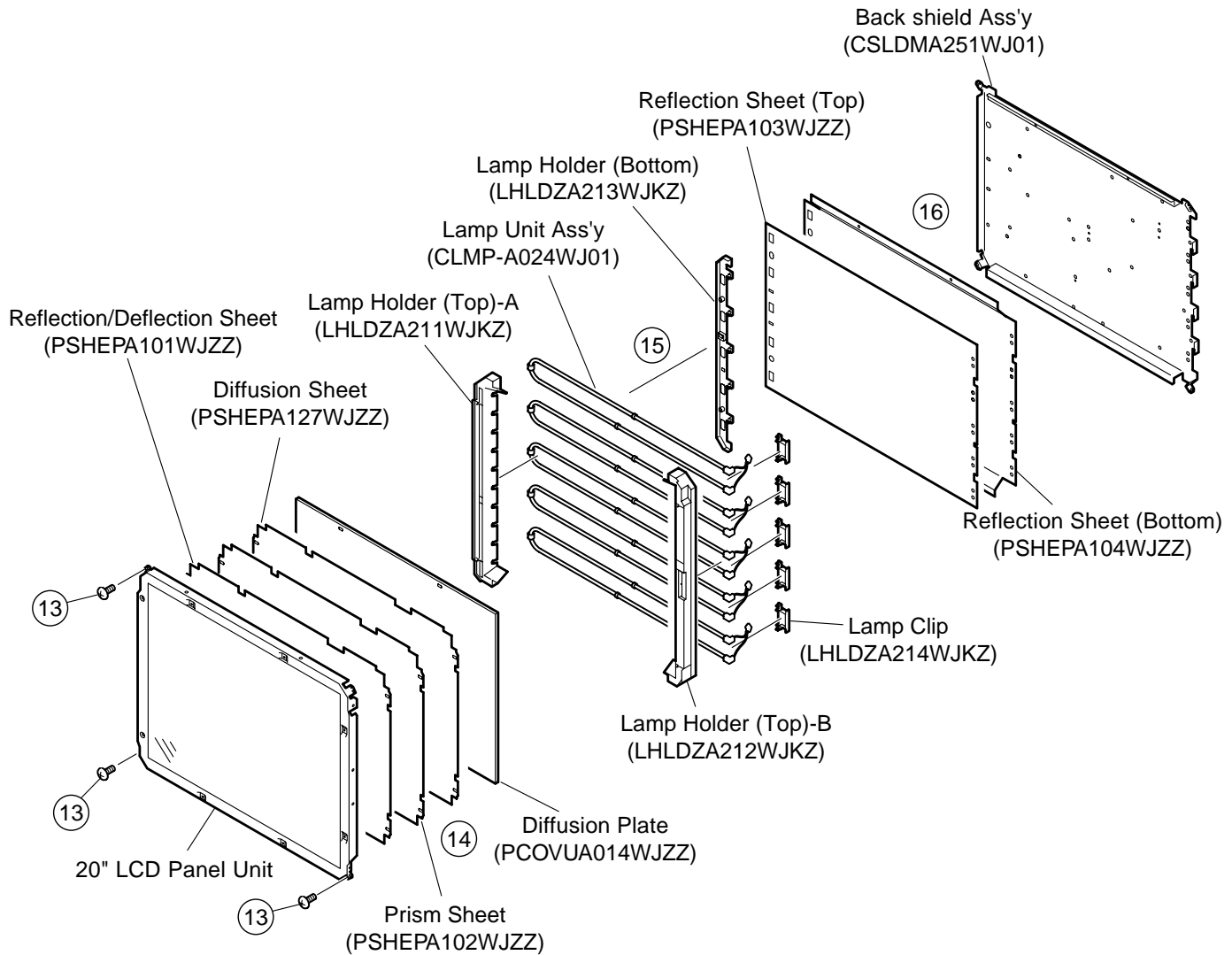


8. Remove the 3 lock screws from the main PWB and undo the hooks a and b. Lifting the other PWBs close to the hooks, draw out the main PWB.
9. Remove the 4 lock screws from the tuner PWB and undo the hooks c and d. Detach the chassis frame (right), together with its terminals, from the tuner PWB. Undo the hooks e and f in the same way. Detach the chassis frame (left), together with its terminals, from the tuner PWB.
10. Remove the 3 lock screws from the inverter PWB and take out the inverter PWB.
11. Remove the 2 lock screws from the R/C, LED PWB and take out the R/C, LED PWB.
12. Remove the 4 lock screws each from the right and left speakers and take out both the speakers.



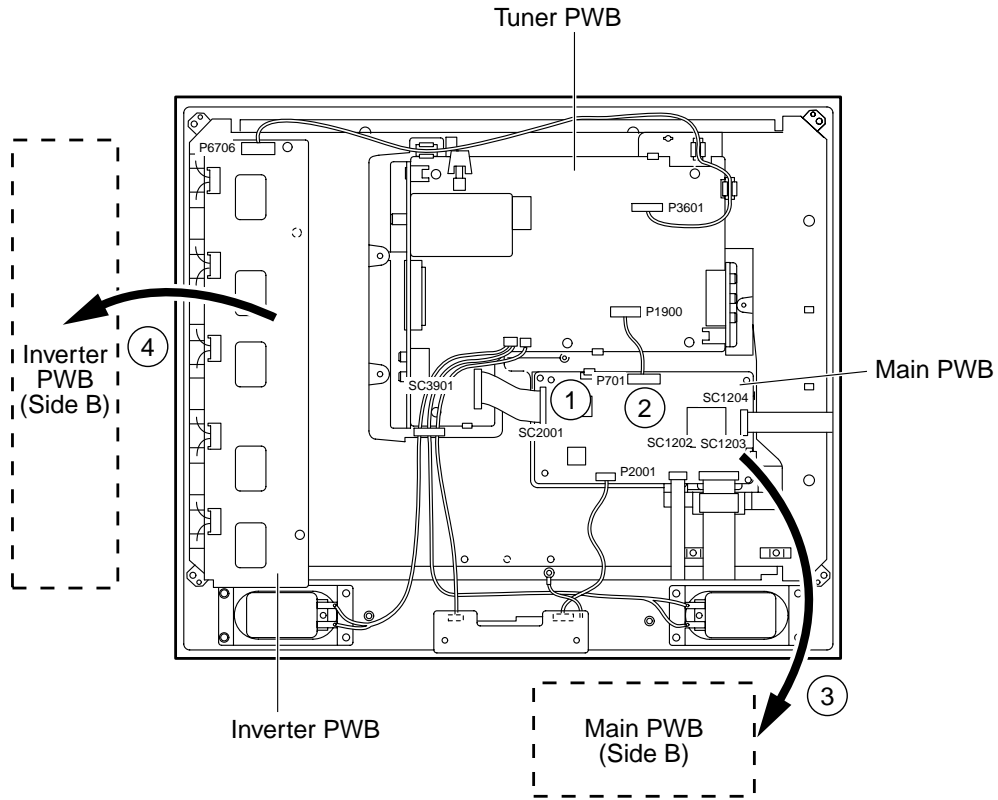
- Precautions in handling the LCD panels
  1. Work in a clean room (with humidities below 50%).
  2. Be sure to wear an anti-static armband.
  3. Handle the panels on an electro-conductive mat.
  4. Be careful not to fall, shake and shock the panels.

13. Remove the 3 lock screws from the LCD panel and detach the LCD panel.
14. Remove the reflection/polarization sheet, prism sheet, diffusion sheet and diffusion panel.
15. Detach the lamp holders (top)-A, (top)-B and (bottom) from the lamp unit assembly.
16. Detach the reflection sheets (top) and (bottom) from the back shield.



● **Precautions at the time of the side B(back) service of main and Inverter unit.**

1. Remove only SC2001 of the FFC for connection between Main unit(SC2001) and Tuner unit(SC3901), and connect the extended cable (QCNW-A369WJZZ) for service.
2. Remove only P701 of the FFC for connection between Main unit(P701) and Tuner unit(P1900), and connect the extended cable (QCNW-B594WJZZ) for service.
3. Remove the main unit fixing screws(3 pcs.), a substrate is reversed.
4. Remove the Inverter unit fixing screws (3 pcs.), a substrate is reversed.



Step	Part No.	Description
1	QCNW-A369WJZZ	Extension Cable 50-pin Main (SC2001)-Tuner (SC3901)
2	QCNW-B594WJZZ	Extension Cable 13-pin Main (P701)-Tuner (P1900)

# ADJUSTING PROCEDURE OF EACH SECTION

The best adjustment is made before shipping. If any position deviation is found or after part replace is performed, adjust as follows.

## Preparation for adjustments

Use the dedicated AC adaptor or stable DC power supply.

LC-20S1E AC adaptor: UADP-A043WJPZ

DC power supply: 12V 5.0A

## 1. Adjusting procedure

- Checker adjustment  
Power ON (Adjustment processing mode) → +B adjustment → Counter bias adjustment → TAMP (Contrast) adjustment → White balance adjustment

## 2. Entering the adjustment processing mode

There are the following two methods.

- Setting the pin (81)(KEY4) or pin (82)(KEY5) of IC2001 (microprocessor) to GND, turn on the power.
- A "POWER" key is made on with pushing an "TV/VIDEO" and "MENU" keys at the same time.(K of the inspection process mode is displayed by the upper left of the image plane.) → Next, "CH (∨)" and "VOL (-)" keys are pushed at the same time.(It becomes the image plane of the adjustment process mode.).....When it is canceled, it is made to turn it off.(Even off in the "MAIN POWER" key, off with R/C are good.)

## 3. Key operation in the adjustment process mode

- The receiving channel UP/DOWN is performed with the "CH (∧)/(∨)" keys.  
One push ... The UP/DOWN tuning is performed per channel.  
Continuous push ... The UP/DOWN search is performed until a next receivable station is found.
- Various adjustments  
The adjustment is performed for each item by the "MENU", "Menu cursor", "CH (∧)/(∨)" or "VOL (+)/(-)" keys (LCD TV set and remote control).
- Adjustment item is chosen with the Menu cursor upward/downward keys.
- The adjustment item makes a toggle operation with the "MENU" key input. (Next item)  
If the "MENU" key is input while the bottom item is selected, it moves to the top item on the next page.
- Press the auto preset button on the remote controller in the adjustment process mode, and the top item of the next page will show up regardless of which item appears now.  
Page 1 → Page 2 → ... → Page 66 → Page 1
- Press the manual memory button on the remote controller in the adjustment process mode, and the top item of the same page will show up.
- UP/DOWN of each adjustment vale selected is performed with the VOL (+)/(-) keys input.

## 4. Initialization

When the microprocessor (IC2001) or the EEPROM (IC2007, IC2009) has been replaced or when the EEPROM has been initialized, readjust the each adjustments.

4-1. Connect the pins (81) and (82) of IC2001 (microprocessor) to GND, and turn on the power.

4-2. Check that the model name is (A661).

4-3. Select the inch size (20).

4-4. LED changes green from red after setting finish and about 15 seconds, initialization is completed, and it becomes adjustment mode.

4-5. Writing the model-by-model data

For the Ver.1.00A microprocessor, get it initialized first and then make the settings, listed below, on it. (The microprocessor version is indicated at the bottom of Adjustment Process Page 1.)

Ver.1.00A data reprogramming (INCH SIZE [20])		
Adjustment process page	Item	OSD settings
11	PAL BRIGHTNESS	-1 → -8
12	PAL TV PKCFSOFT7C	6 → 4
47	PAL TV LDLY	0 → +1
47	PAL AV LDLY	0 → +1

Ver.1.00A data reprogramming (INCH SIZE [20]) (Only for U.K)		
Adjustment process page	Item	OSD settings
11	PAL TV COLOR	41 → 34
11	PAL AV COLOR	41 → 34
11	PAL TV TINT	0 → +5
11	PAL TV TINT	0 → +5
12	PAL TV PKCFSOFT7C	4 → 6

## 5. Adjustment

### 5-1. +B adjustment...Page 1 +B-ADJ

Adjust the voltage of the pin (4) of P1900 to 5.00 ±0.02V with R3714.

Note: Since 5.0V is a reference voltage of all power voltage, adjust it precisely.

### 5-2. Counter-bias adjustment

Vary the "COM BIAS" setting on Page 2 of the adjustment process mode so that the contrast be sharpest (black looks most sinking).

### 5-3. TAMP adjustment

- 1) Receive the upper left of 75% white half colour bar signal.
- 2) See if the "Y" reading on page 2 of the adjustment process mode is somewhere following. If not, make the "PAL TAMP" adjustment to get the "Y" reading in the range of AE thru BD.
- 3) If the adjustment of "PAL TAMP" is executed, write its adjustment value to the "SECAM TAMP" manually.

(Screen of the page 2 of the adjustment processing menu OSD)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
0		2																										
1		▶	C	O	M		B	I	A	S																9	0	
2			P	A	L		T	A	M	P																2	7	
3			S	E	C	A	M		T	A	M	P														2	7	
4			R	C	U	T	O	F	F																			0
5			G	C	U	T	O	F	F																			0
6			B	C	U	T	O	F	F																			0
7			R	G	A	I	N																					0
8			G	G	A	I	N																					0
9			B	G	A	I	N																					0
10				Y																						B	6	
11				T	A	M	P		H																	B	D	
12				T	A	M	P		L																	A	E	
13																												

Y Data  
(White 75%)

### 5-4. White balance adjustment

Adjust "RCUTOFF", "BCUTOFF", "RGAIN" and "BGAIN" on the page 2 of the adjustment processing so as to obtain the colour of the same level as the standard set.

## 6. Factory Setting

- 6-1. Perform a factory setting after completing all adjustments.
  - 6-2. A "POWER" keys is made on with pushing an "TV/VIDEO" and "MENU" keys at the same time.
  - 6-3. "K" of the inspection process mode is displayed on the screen upper left.
  - 6-4. CH (^) and VOL (+) keys are pushed about 2 seconds at the same time.
  - 6-5. Release keys, if "E" is displayed on the screen upper left and "COMPLETE" is displayed on the bottom of it.
  - 6-6. After a while, a power will be in a standby mode and a setup will be finished.
- Note: "First installation" serves on "Deutsch".

## 7. Lamp error detection

### 7-1. Functional description

This LCD colour television has a function (lamp error detection) to be turned OFF automatically for safety when the lamp or lamp circuit is abnormal.

If the lamp or lamp circuit is abnormal, or some other errors happen, and the lamp error detection is executed, the followings occur.

- ① The main unit of television is turned OFF 5 seconds after it is turned ON. (The power LED on the front side of TV turns from green to red.)
- ② If the situation ① happens 5 times sequentially, television can not be turned ON. (The power LED remains red.)

### 7-2. Countermeasures

#### 7-2-1. Check when turning OFF the lamp error detection

When television is turned OFF by the lamp error detection mentioned above, it enters the adjustment process with the power LED red. Entering the adjustment process turns OFF the error detection and turns ON TV.

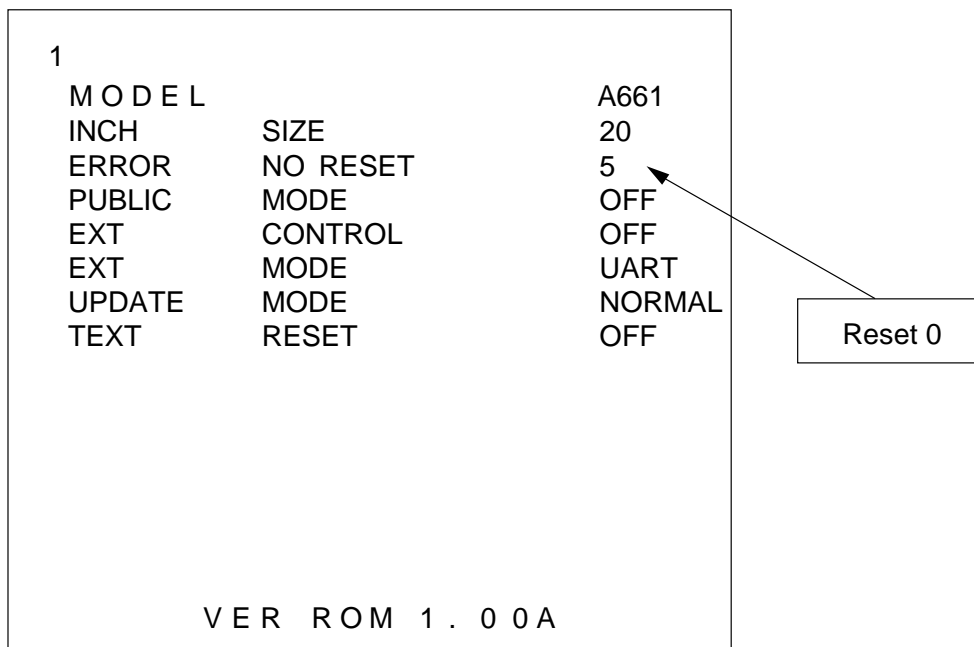
This enables the operation check to detect errors in the lamp or lamp circuit.

Check whether "ERROR NO RESET" on line 3, page 1 of the adjustment process is 1 or more. If it is 1 or more, it indicates the lamp error detection was executed.

#### 7-2-2. Resetting of the lamp error count

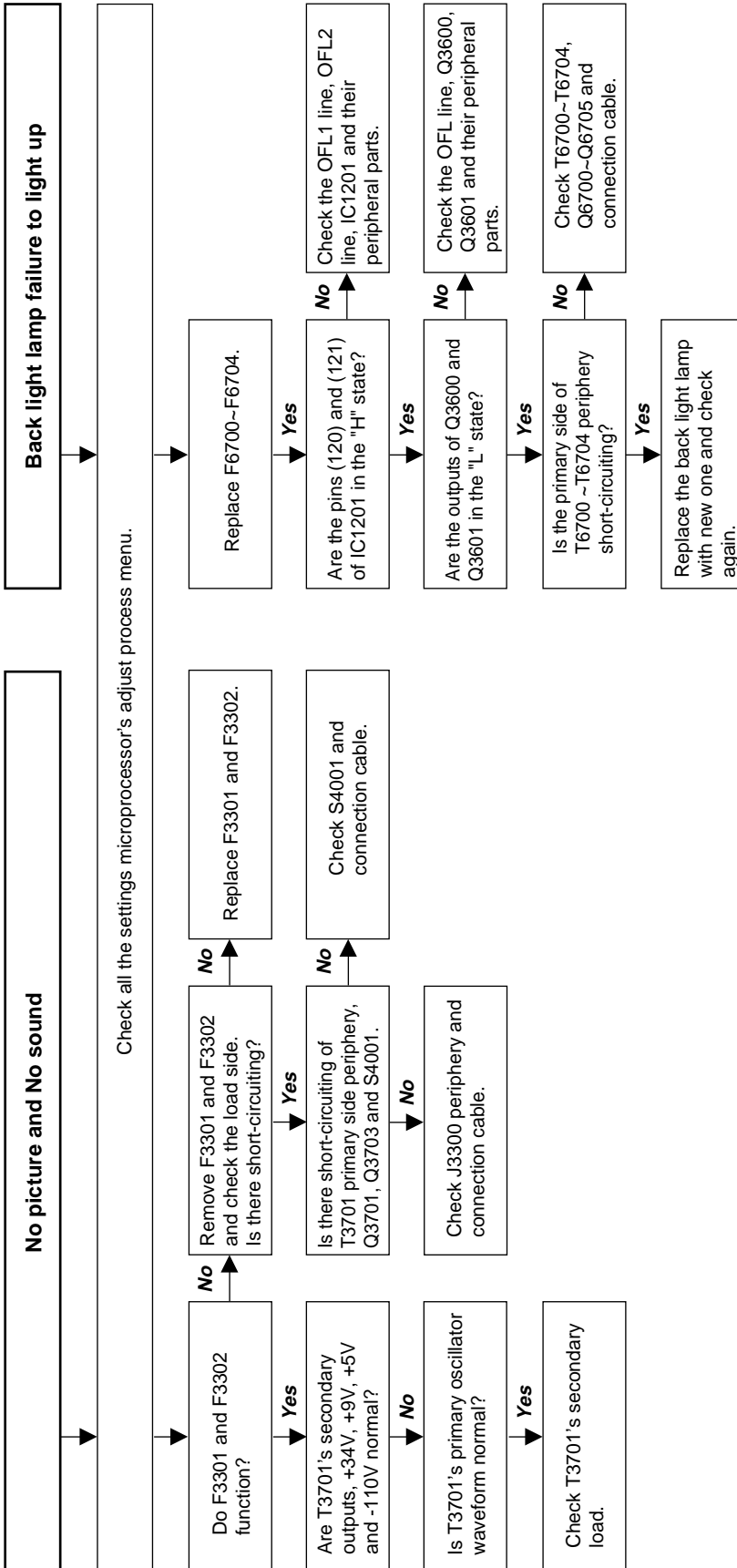
After confirming that the lamp or lamp circuit is normal, reset the lamp error count. Select "ERROR NO RESET" on line 3, page 1 of the adjustment process and set the number to 0 using the volume button.

Page 1 of the adjustment process



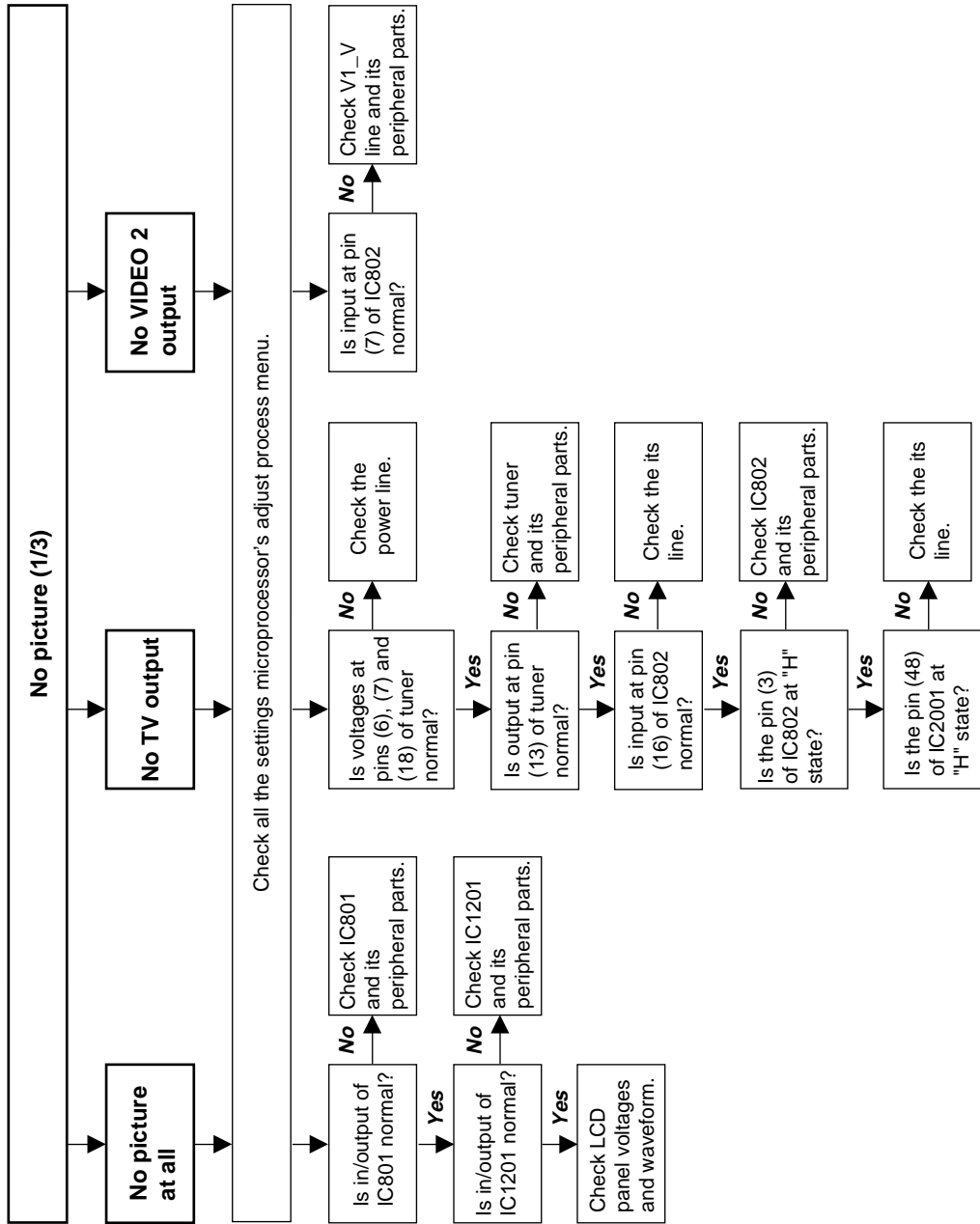
Afterwards, perform the operation check to confirm that the lamp error detection does not function.

# TROUBLE SHOOTING TABLE

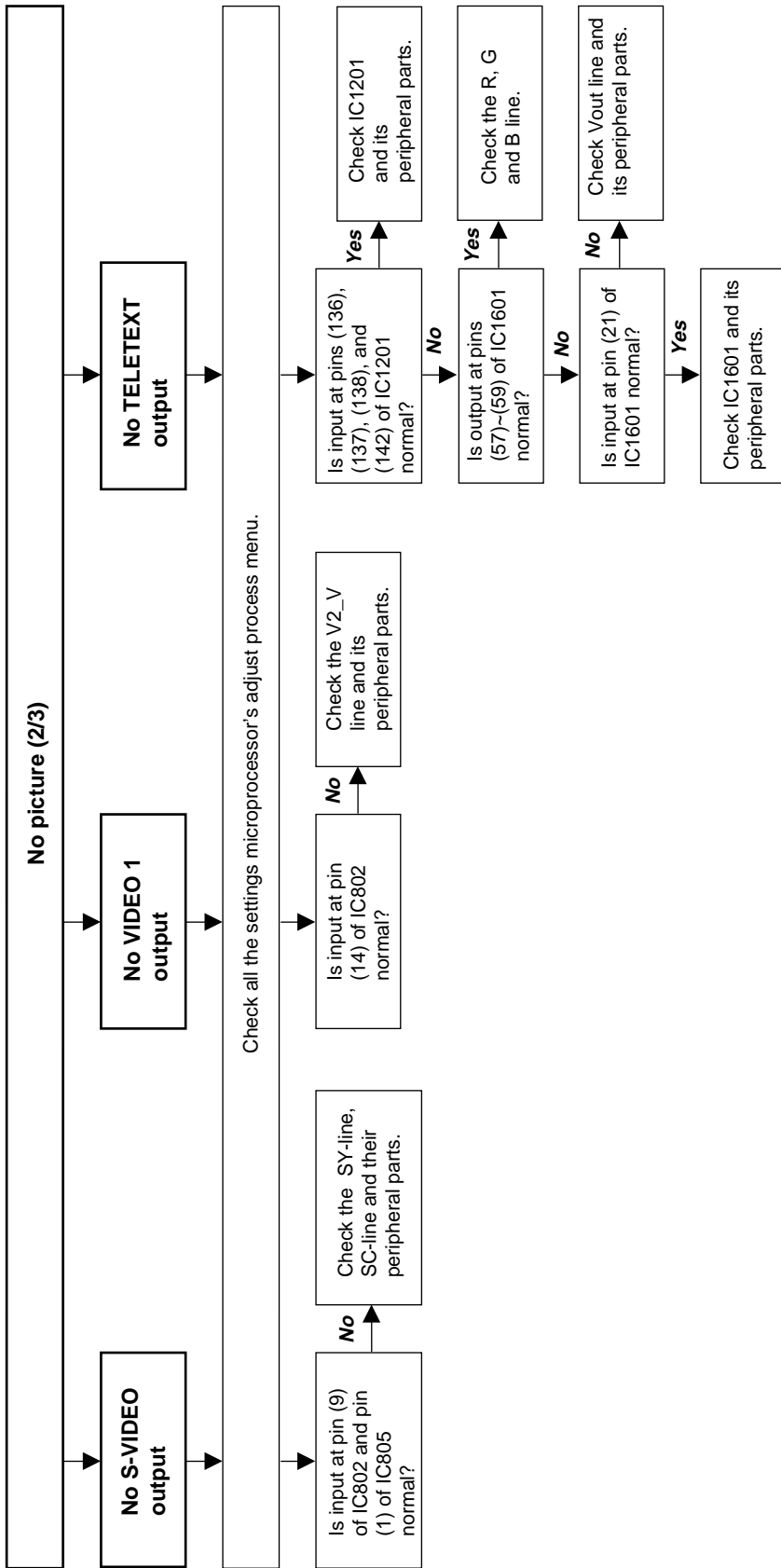




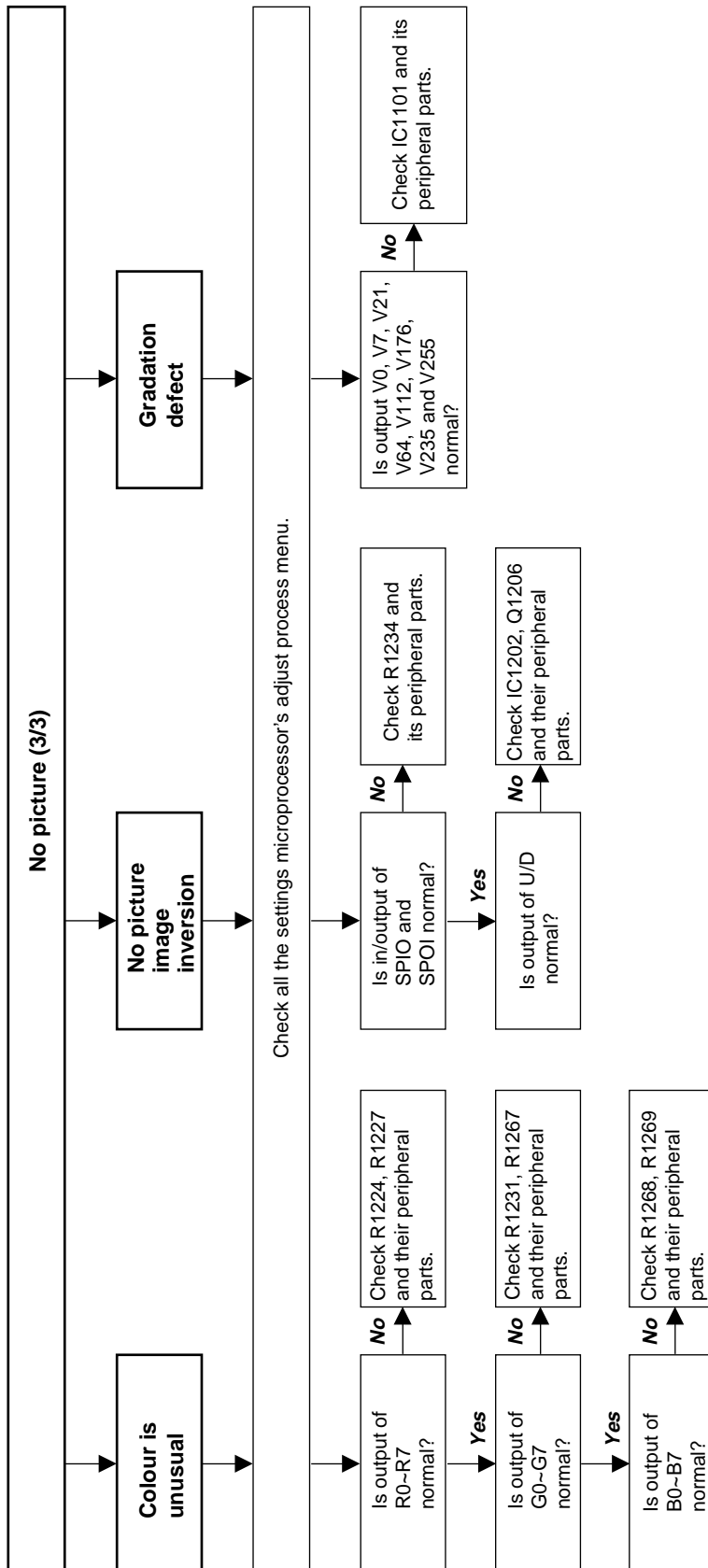
# TROUBLE SHOOTING TABLE (Continued)



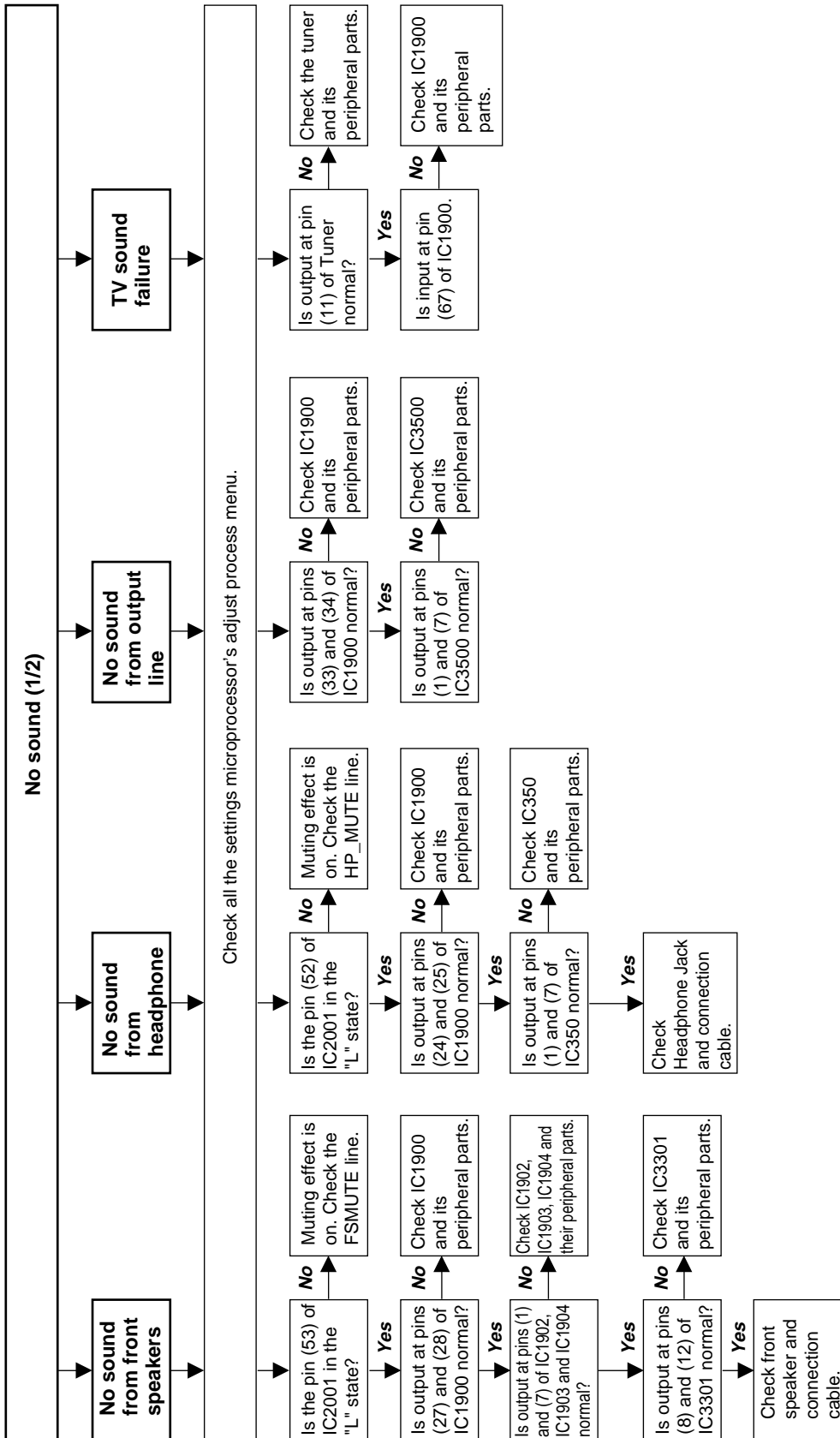
# TROUBLE SHOOTING TABLE (Continued)



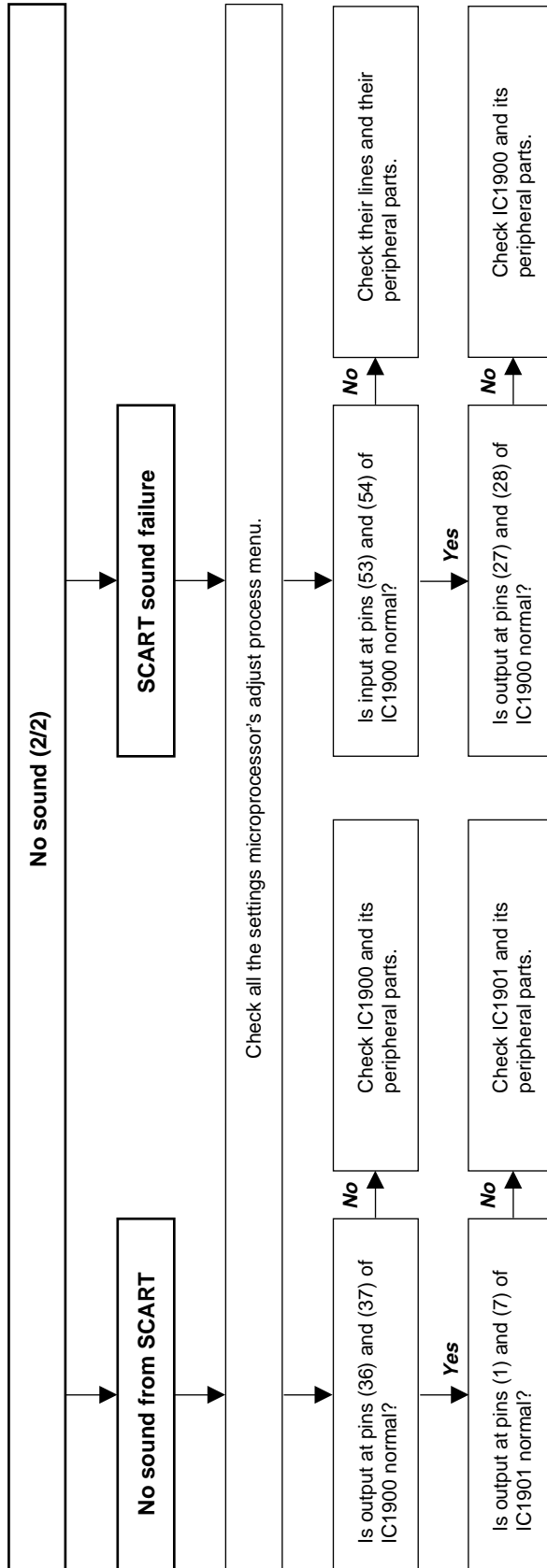
# TROUBLE SHOOTING TABLE (Continued)



# TROUBLE SHOOTING TABLE (Continued)

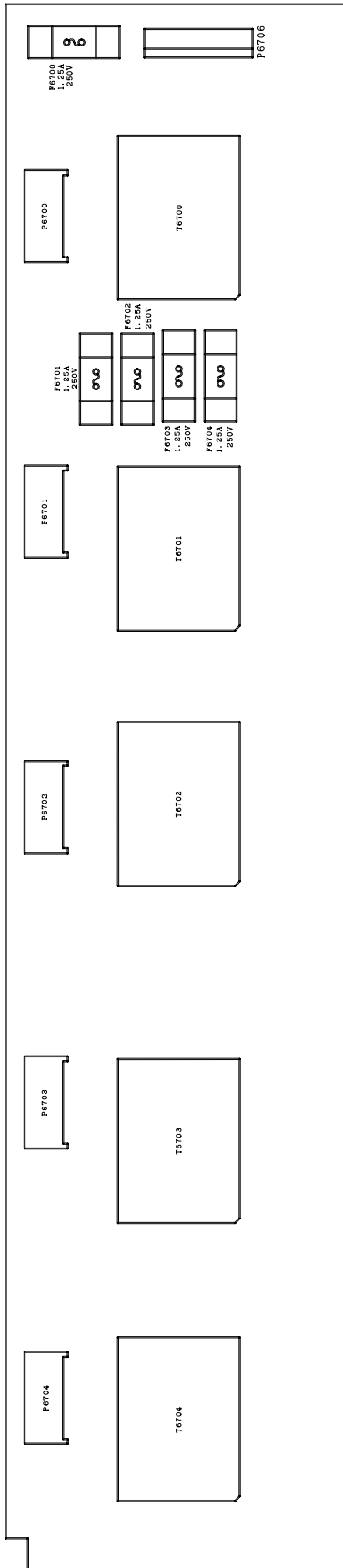


# TROUBLE SHOOTING TABLE (Continued)

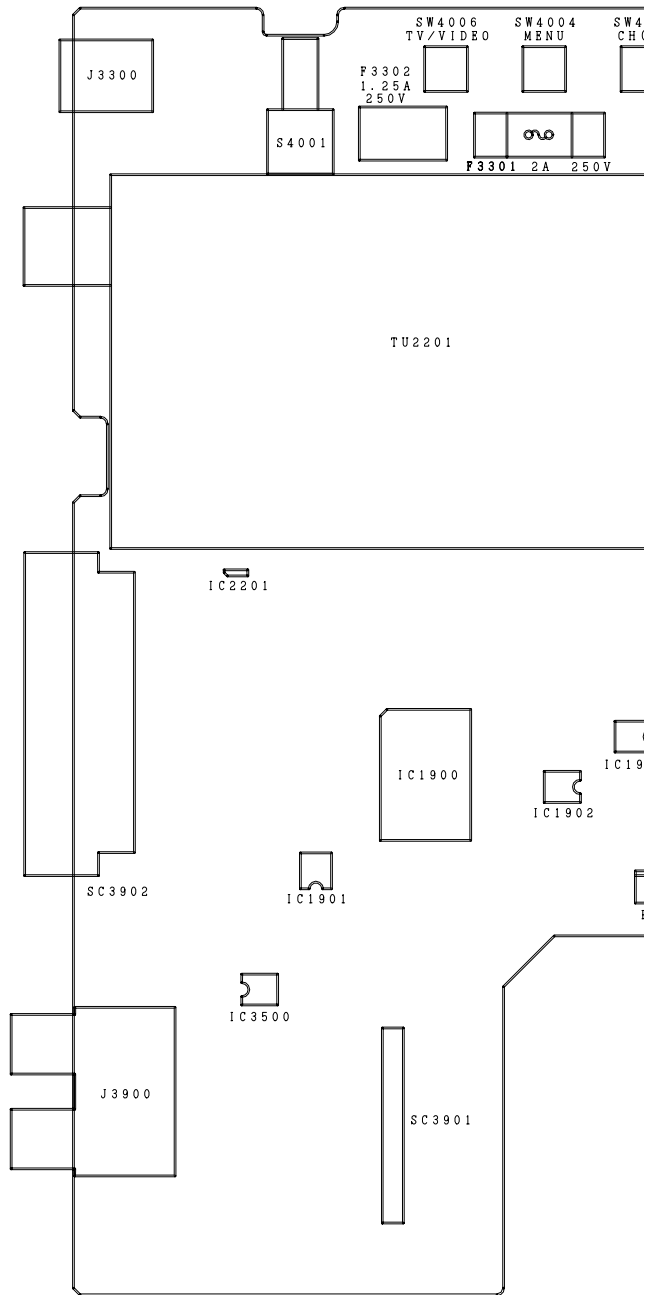


# CHASSIS LAYOUT

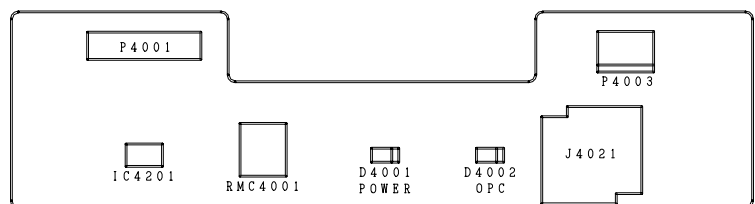
## INVERTER Unit



## TUNER Unit

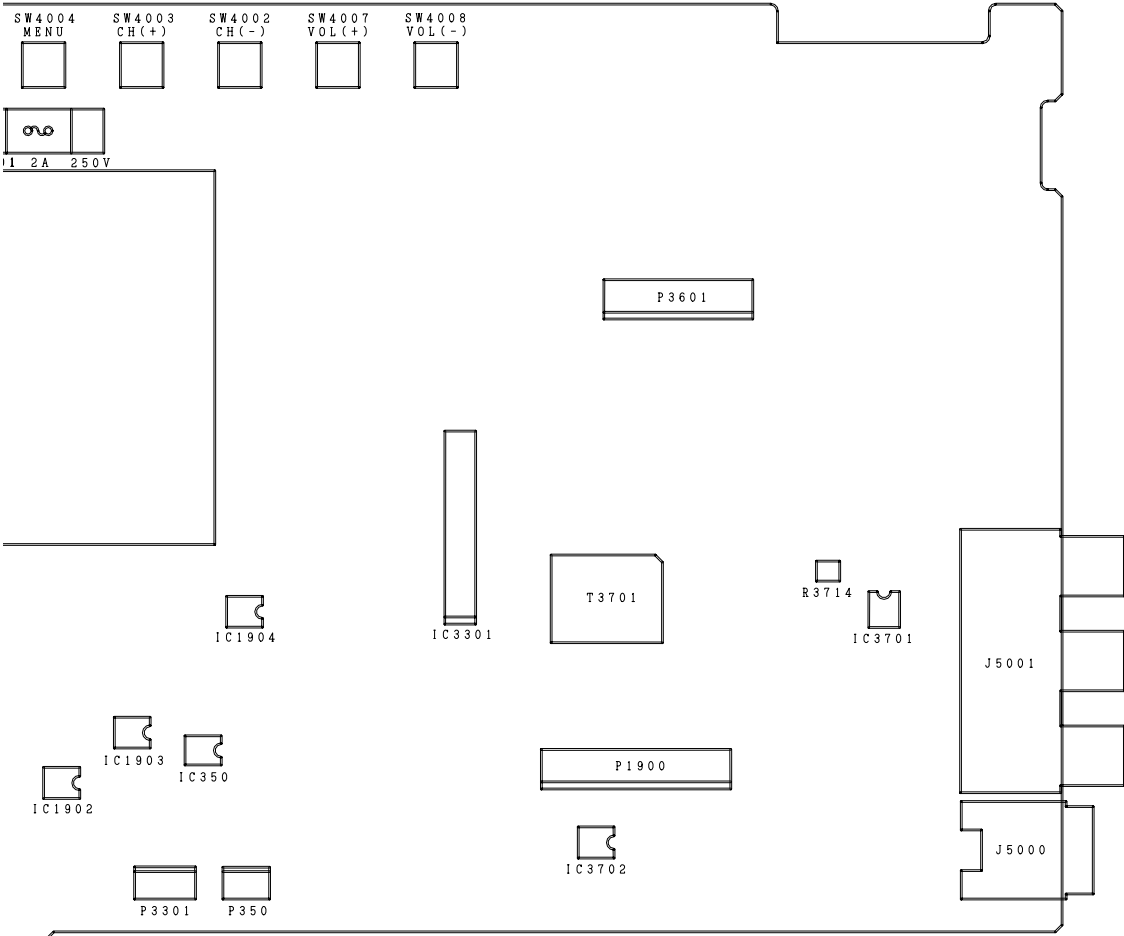


## R/C, LED Unit

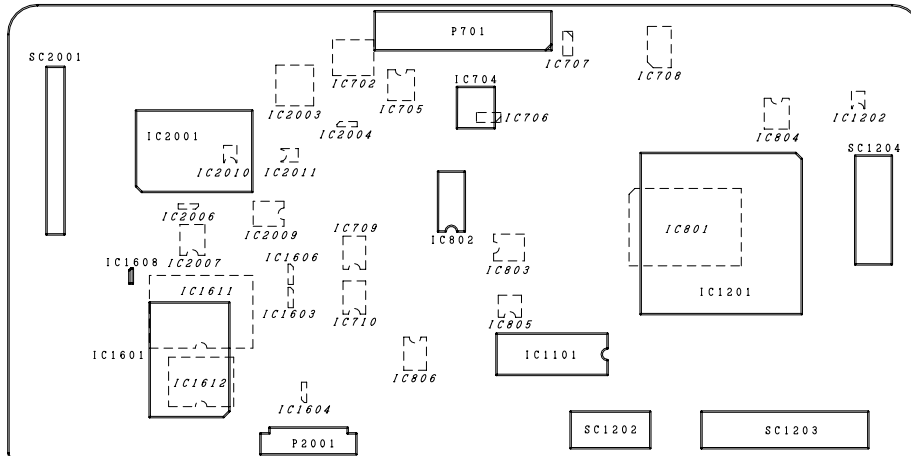


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1 2 3 4 5 6 7 8 9 10

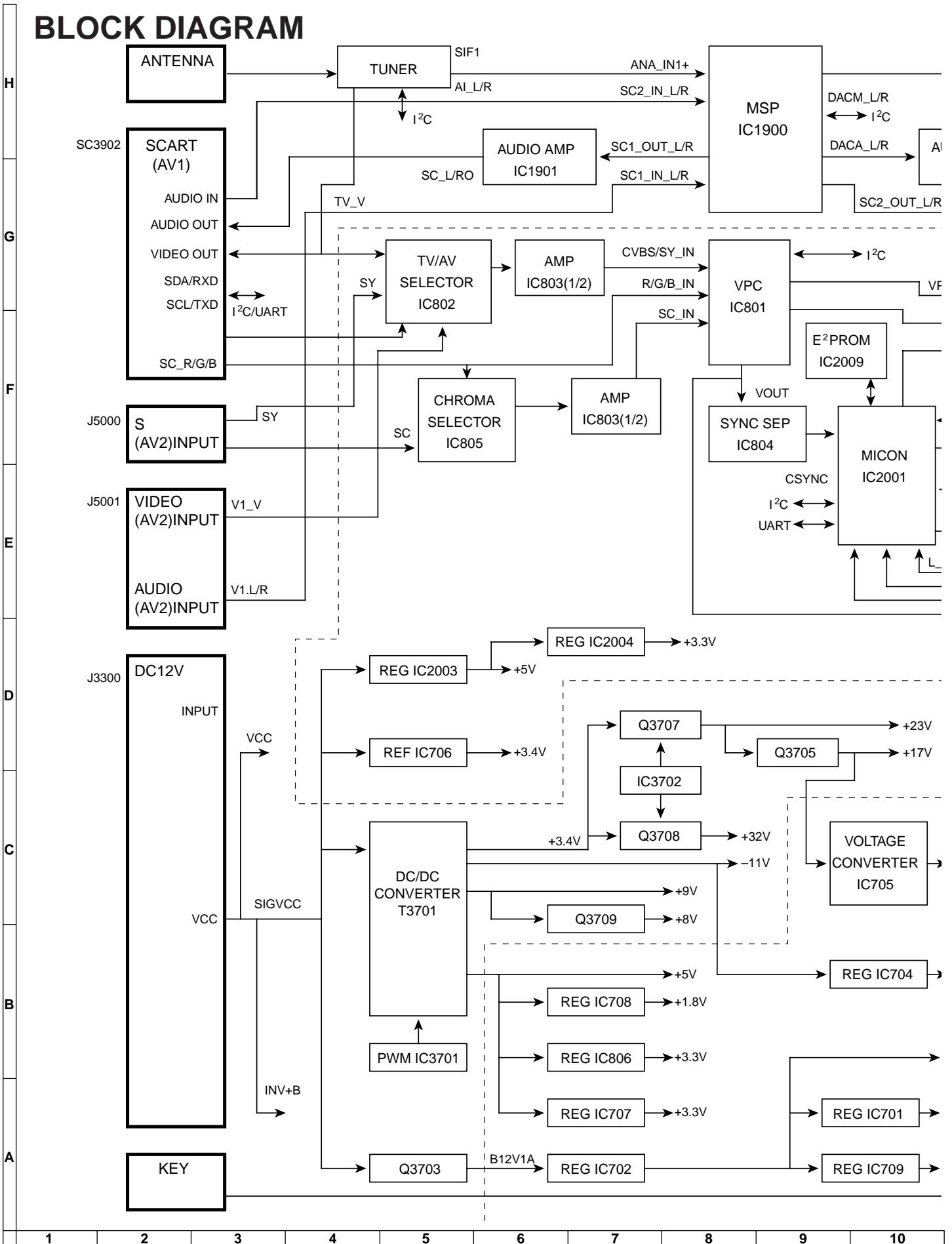


**MAIN Unit**

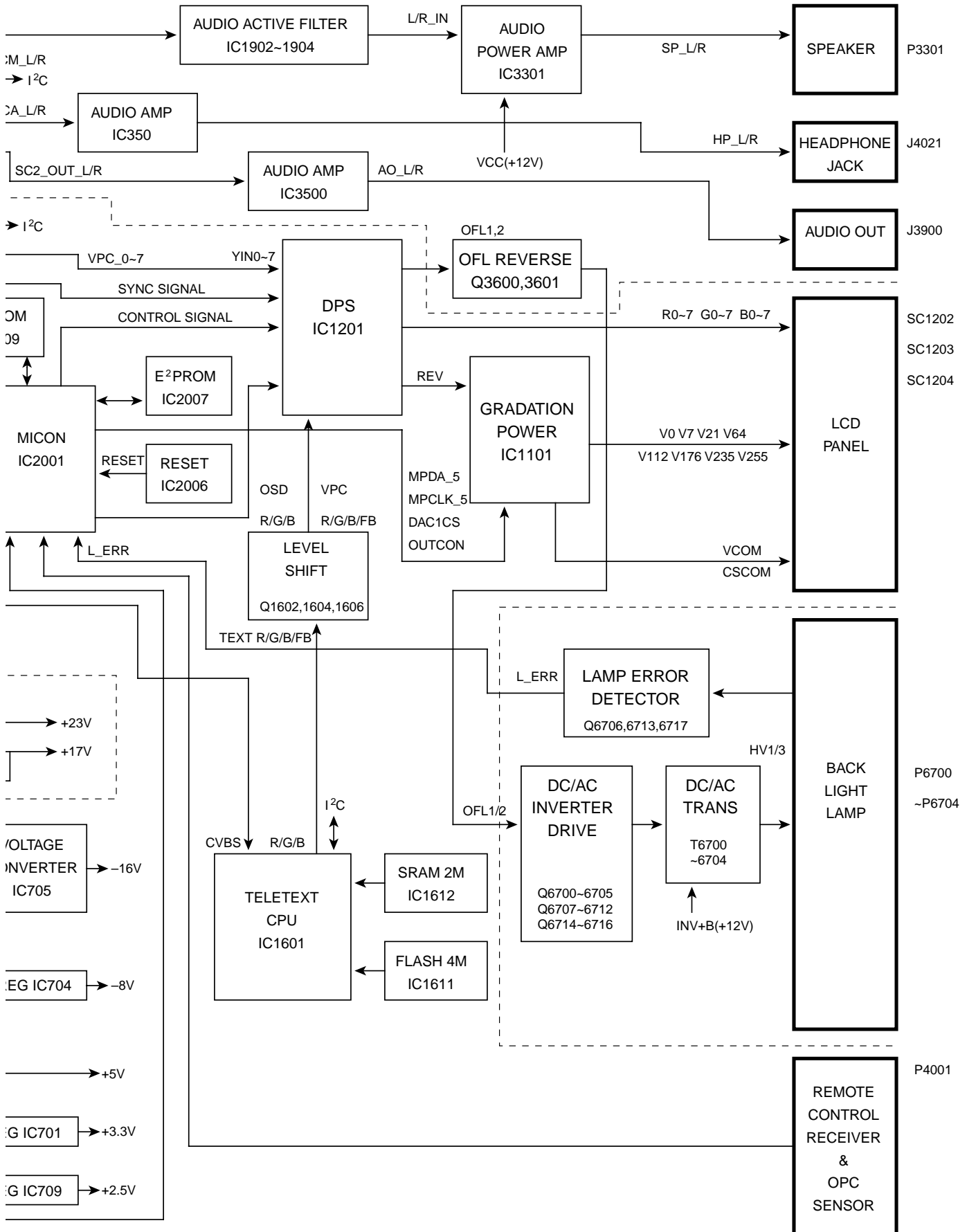


10	11	12	13	14	15	16	17	18	19
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# BLOCK DIAGRAM







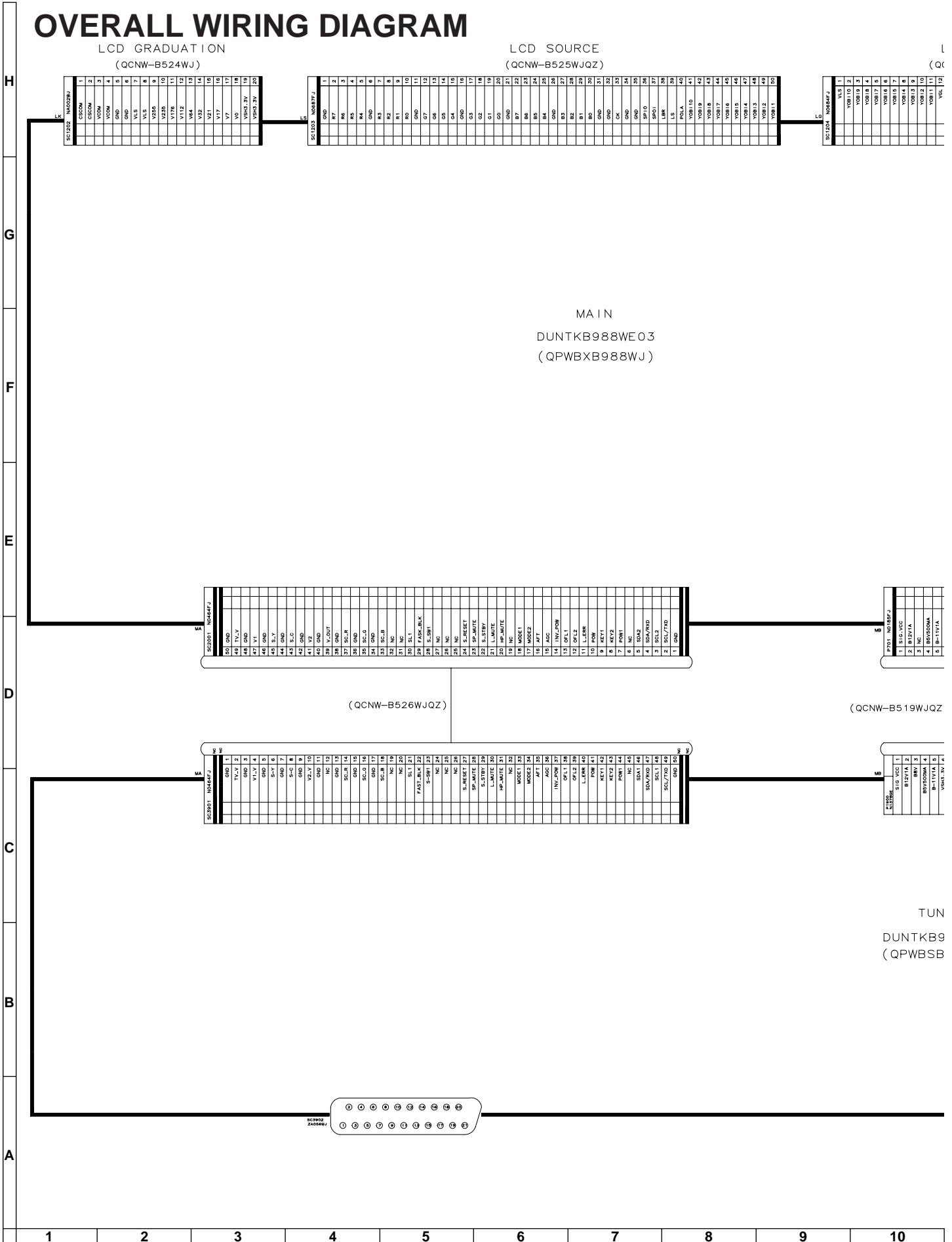
10	11	12	13	14	15	16	17	18	19
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# OVERALL WIRING DIAGRAM

LCD GRADUATION  
(QCNW-B524WJ)

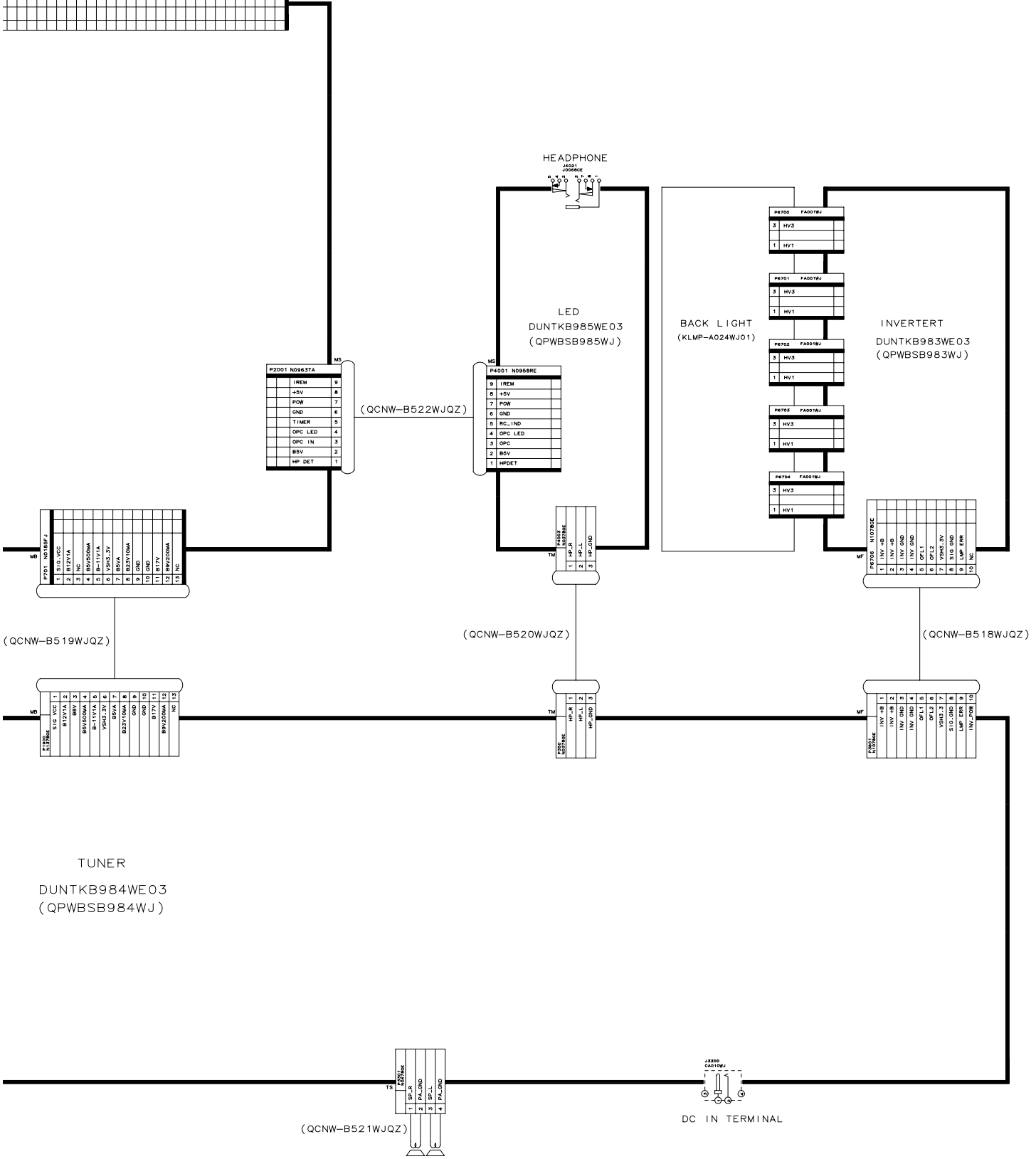
LCD SOURCE  
(QCNW-B525WJQZ)

L  
(QC)



LCD GATE  
(QCNW-B523WJZZ)

1	V0B10
2	V0B9
3	V0B8
4	V0B7
5	V0B6
6	V0B5
7	V0B4
8	V0B3
9	V0B2
10	V0B1
11	V0L11
12	V0L12
13	V0L13
14	V0L14
15	V0L15
16	V0L16
17	V0L17
18	V0L18
19	V0L19
20	V0L20
21	V0L21
22	V0L22
23	V0L23
24	V0L24
25	V0L25
26	V0L26
27	V0L27
28	V0L28
29	V0L29
30	V0L30
31	V0L31
32	V0L32
33	V0L33
34	V0L34
35	V0L35
36	V0L36
37	V0L37
38	V0L38
39	V0L39
40	V0L40
41	V0L41
42	V0L42
43	V0L43
44	V0L44
45	V0L45
46	V0L46
47	V0L47
48	V0L48
49	V0L49
50	V0L50
51	V0L51
52	V0L52
53	V0L53
54	V0L54
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57	V0L57
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62	V0L62
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64	V0L64
65	V0L65
66	V0L66
67	V0L67
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74	V0L74
75	V0L75
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77	V0L77
78	V0L78
79	V0L79
80	V0L80
81	V0L81
82	V0L82
83	V0L83
84	V0L84
85	V0L85
86	V0L86
87	V0L87
88	V0L88
89	V0L89
90	V0L90
91	V0L91
92	V0L92
93	V0L93
94	V0L94
95	V0L95
96	V0L96
97	V0L97
98	V0L98
99	V0L99
100	V0L100



10	11	12	13	14	15	16	17	18	19
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## DESCRIPTION OF SCHEMATIC DIAGRAM

### VOLTAGE MEASUREMENT CONDITION:

1. The voltages at test points are measured on exclusive AC adaptor and the stable supply voltage of AC 120V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

### INDICATION OF RESISTOR & CAPACITOR:

#### RESISTOR

1. The unit of resistance "Ω" is omitted.  
(K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted.  
(J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/16W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.  
 ©: Solid                      ⊕: Cement  
 ⊙: Oxide Film              ⊕: Special  
 ⊖: Metal Coating

#### CAPACITOR

1. All capacitors are μF, unless otherwise noted.  
(P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.  
 (ML): Mylar                  (TA): Tantalum  
 (PF): Polypro Film        (ST): Styrol

#### CAUTION:

This circuit diagram is original one, therefore there may be a slight difference from yours.

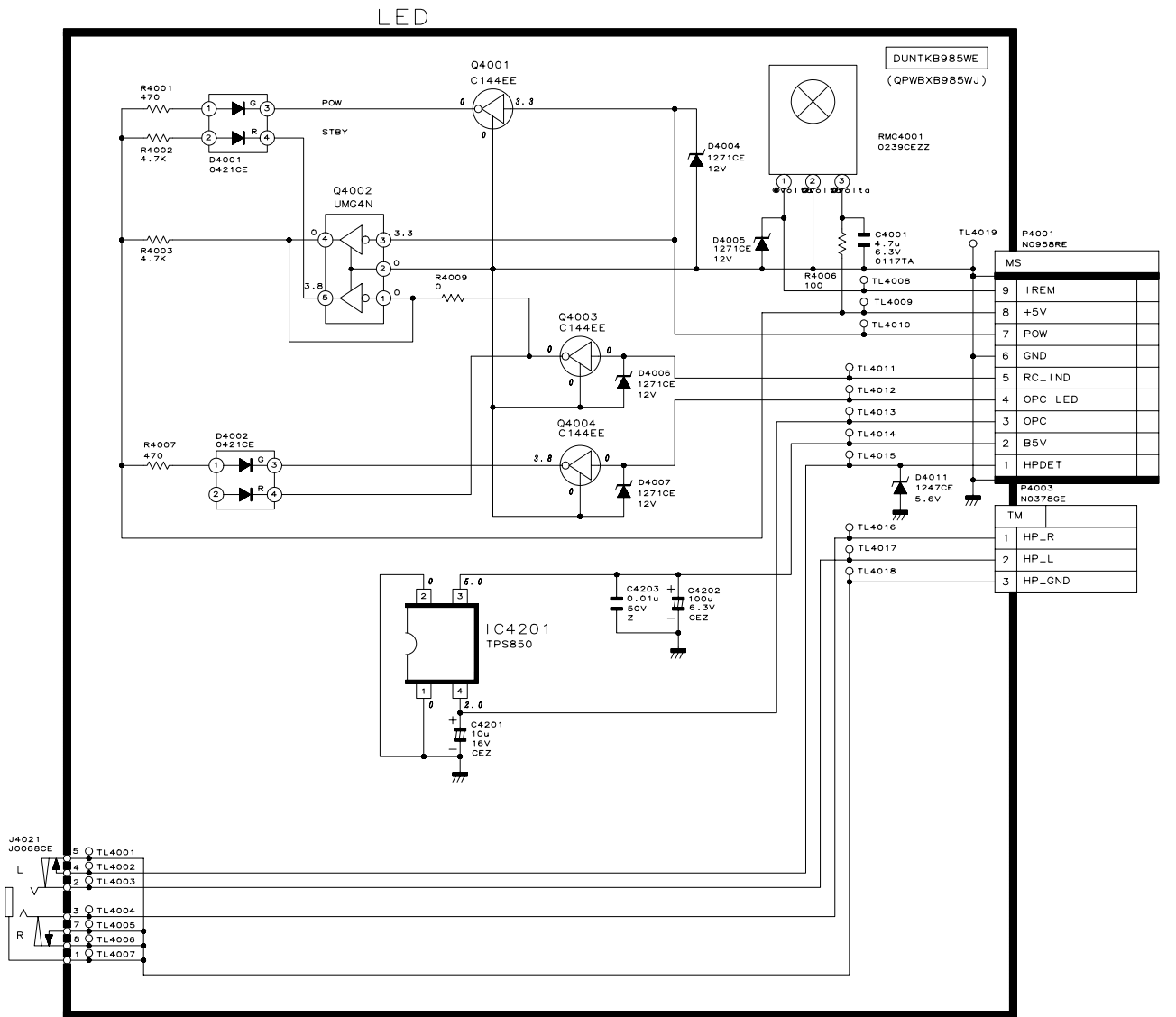
#### **IMPORTANT SAFETY NOTICE:**

**PARTS MARKED WITH "△" ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.**

# SCHEMATIC DIAGRAM

## ■ R/C, LED Unit

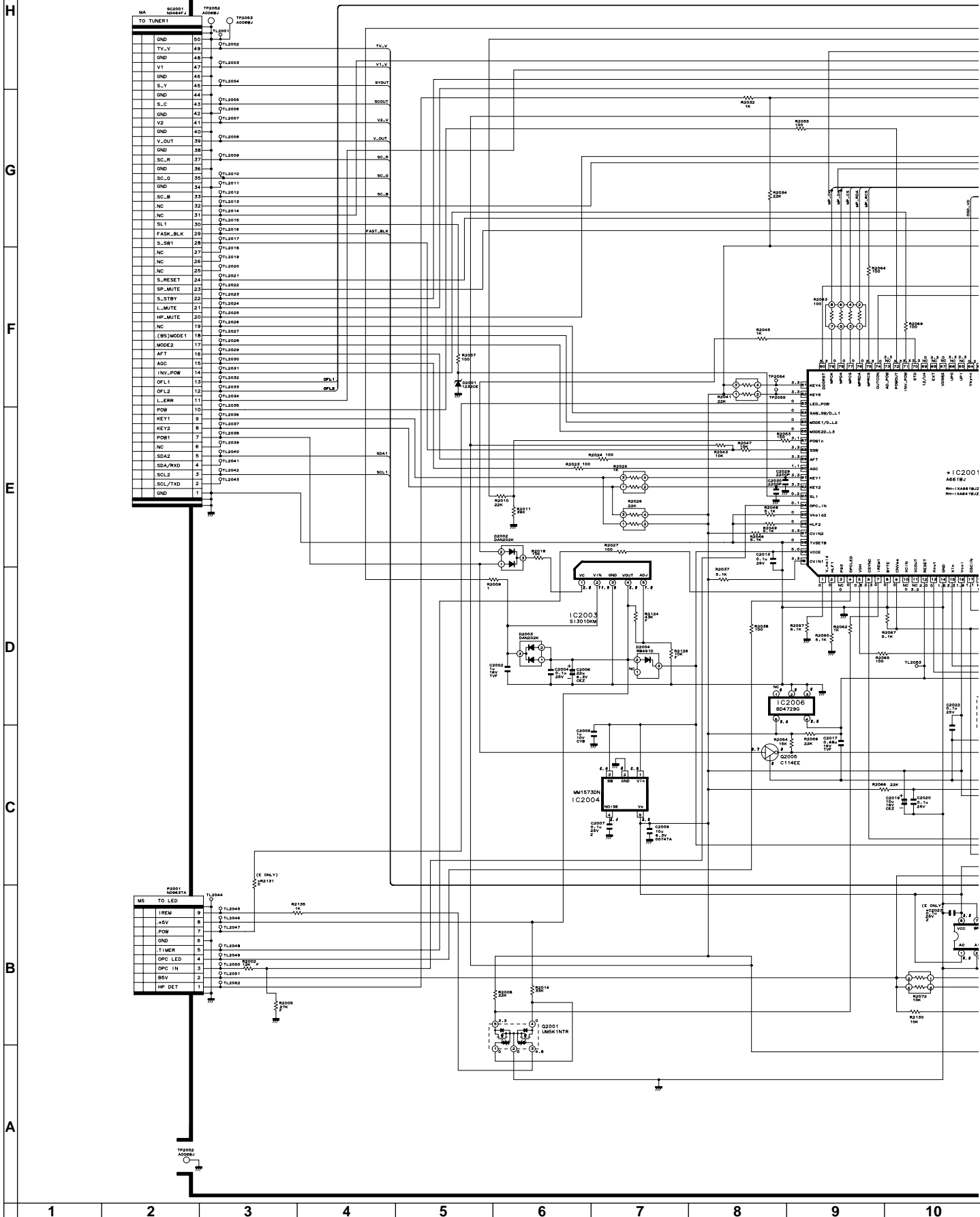
H  
G  
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A



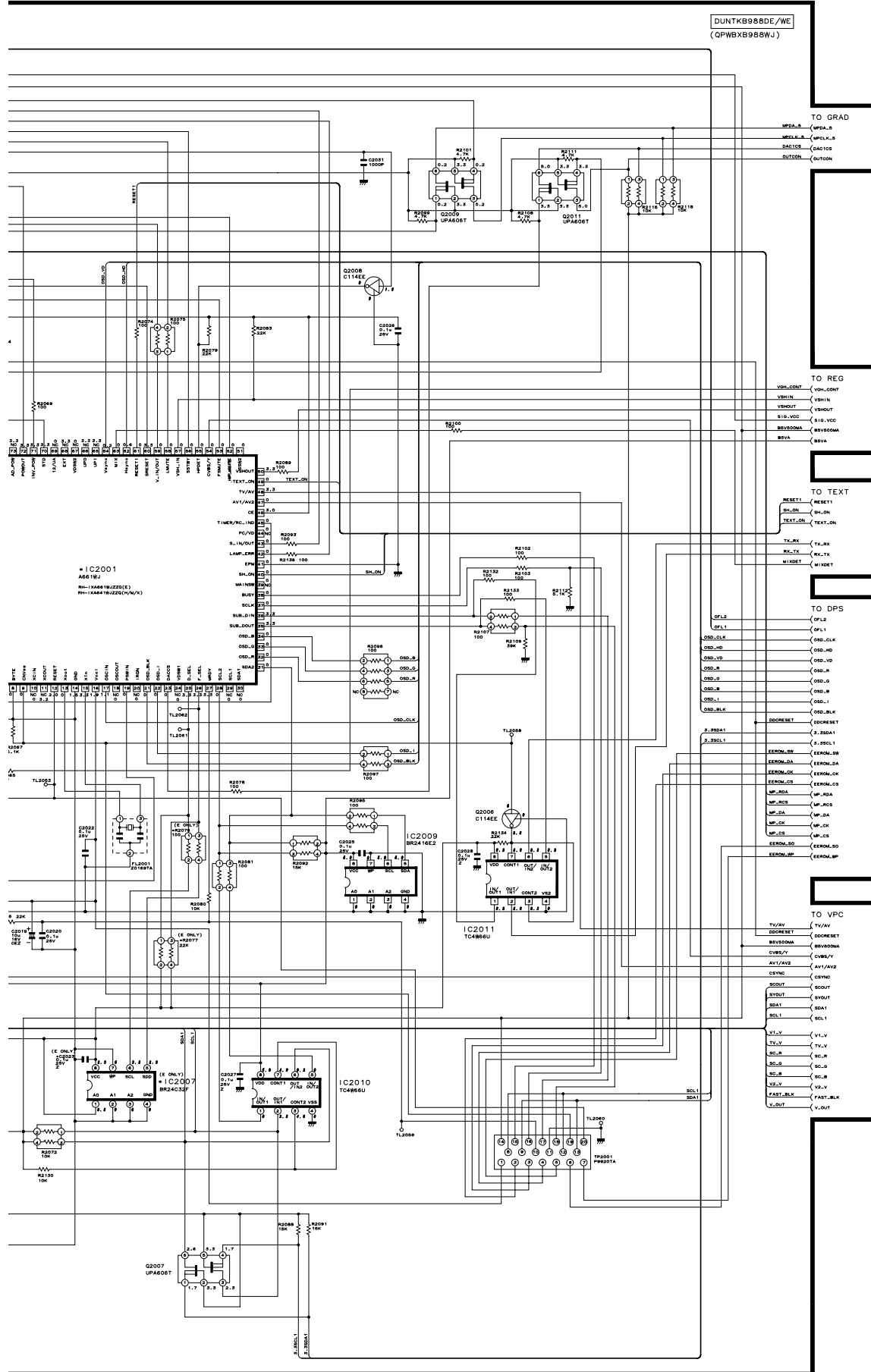
1 2 3 4 5 6

MAIN Unit-1/6

MAIN1 (MICON)



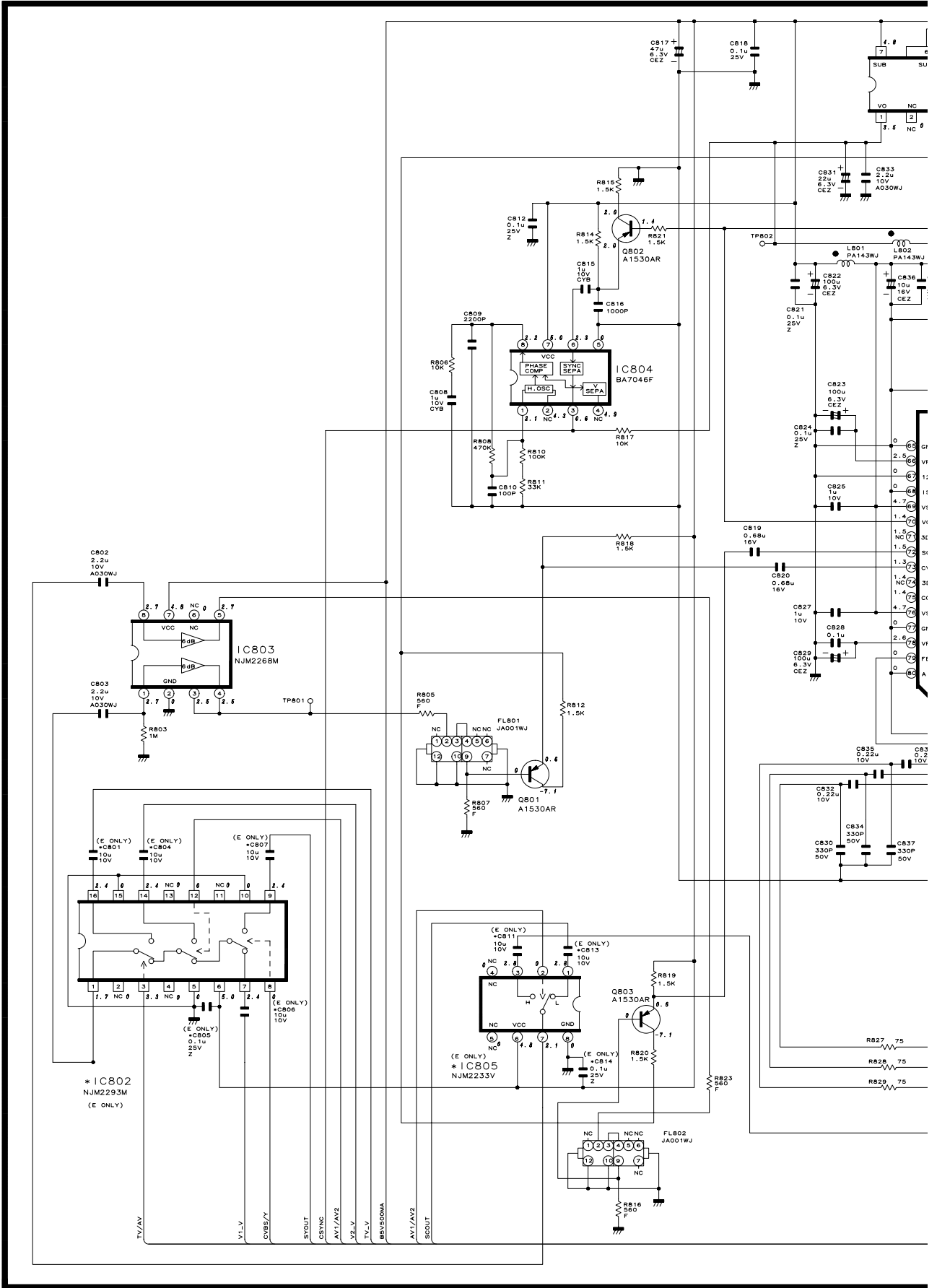
IN1 (MICON)



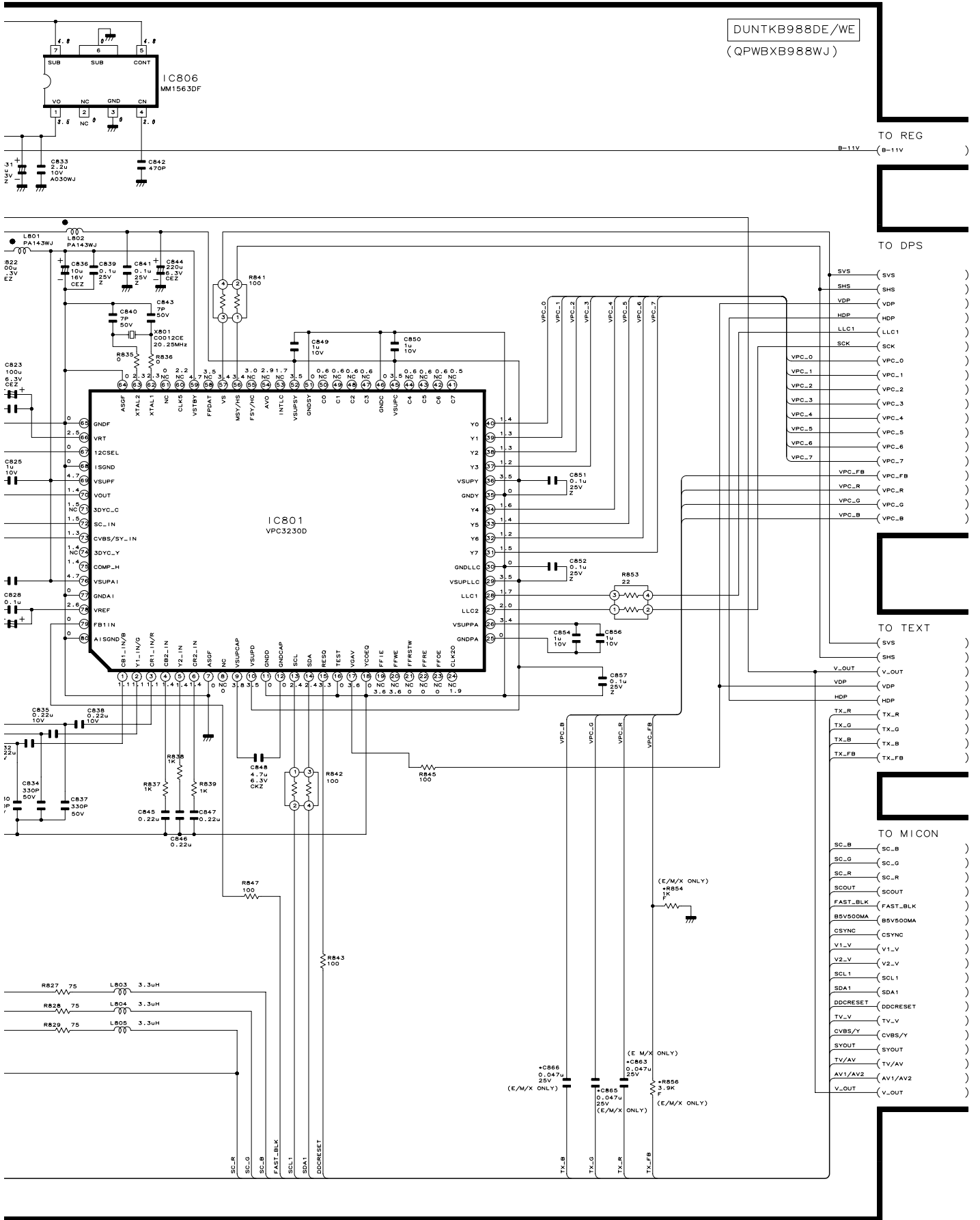
10	11	12	13	14	15	16	17	18	19
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# MAIN Unit-2/6 MAIN2 (VPC)

H  
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A



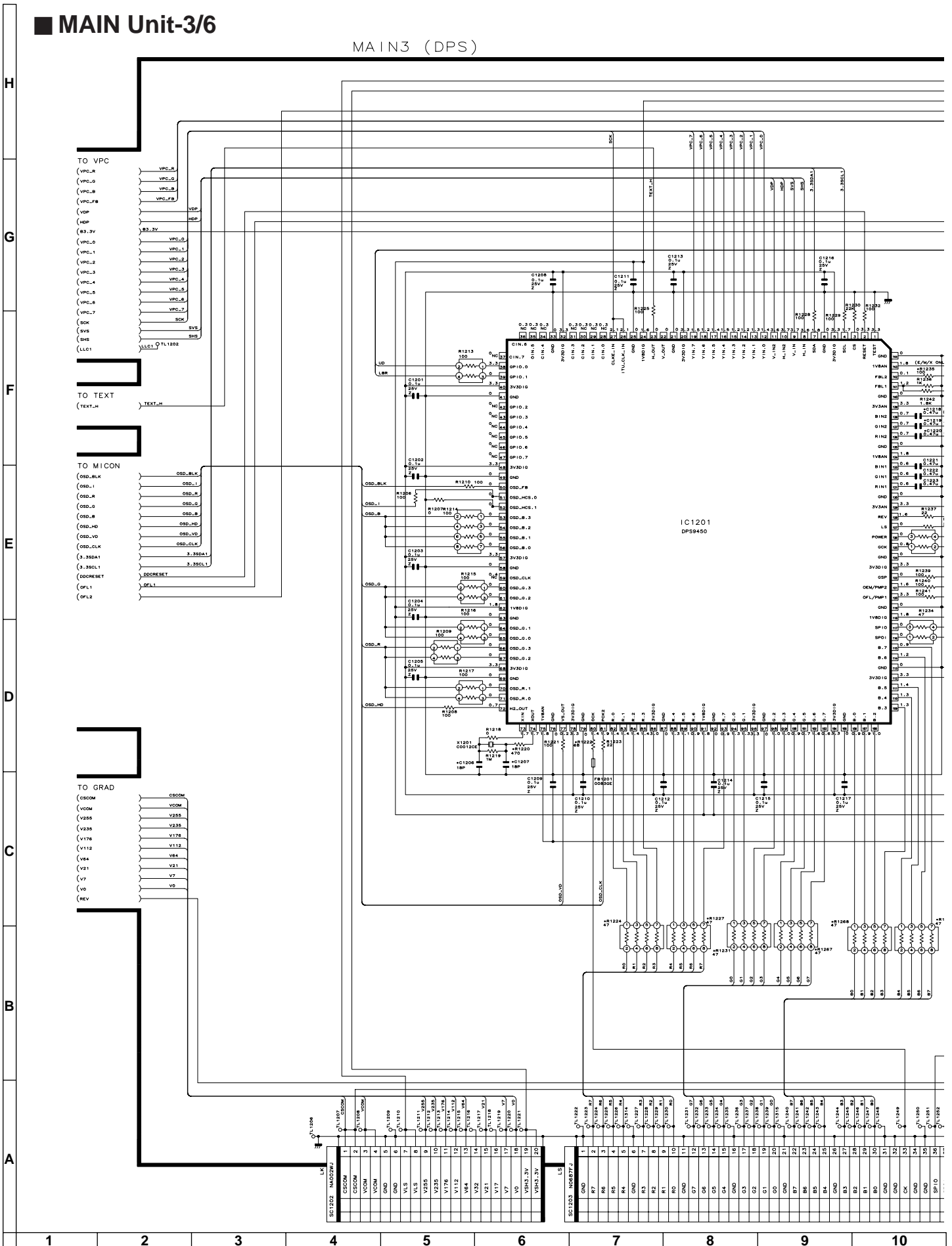


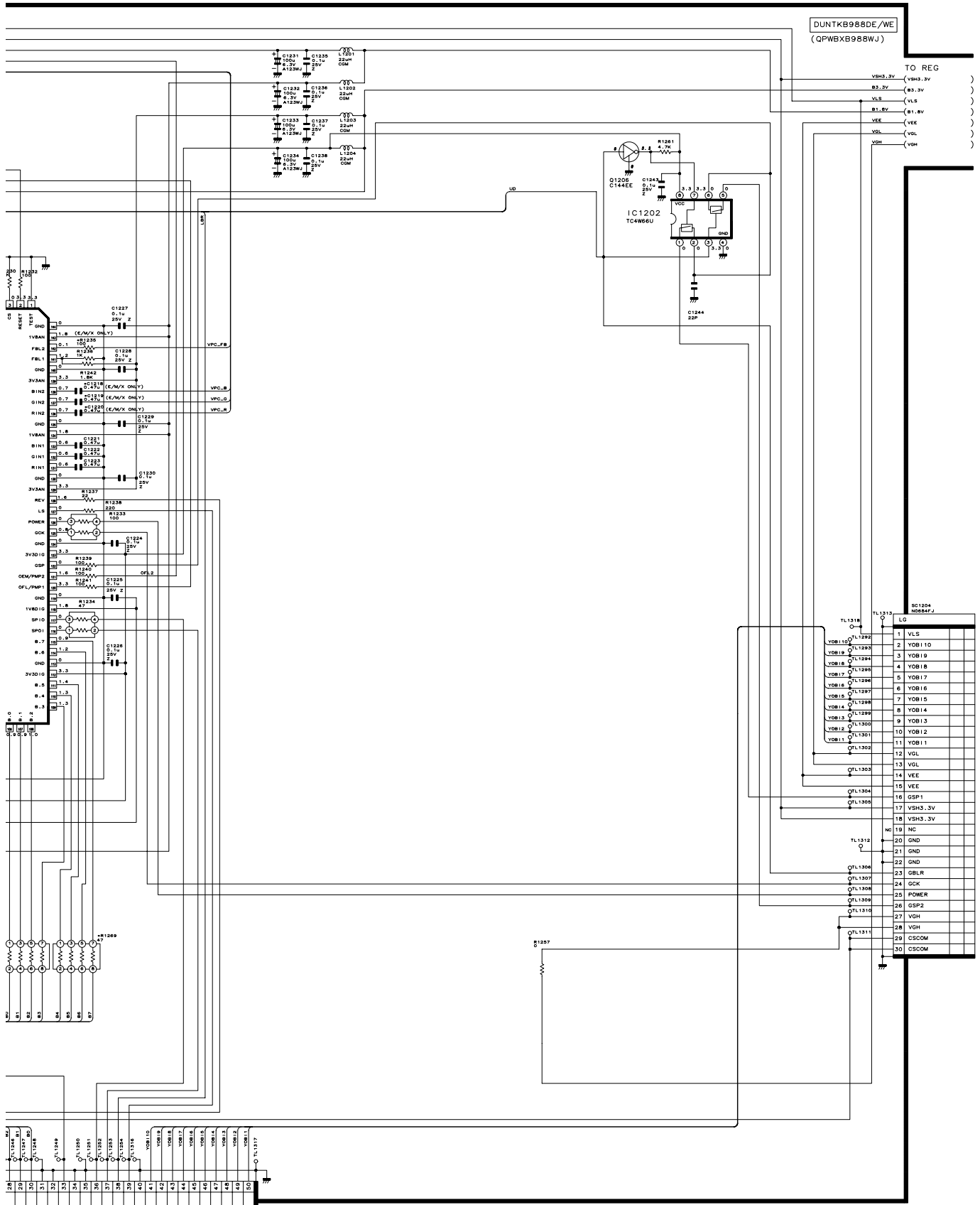


10	11	12	13	14	15	16	17	18	19
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MAIN Unit-3/6

MAIN3 (DPS)





DUNTKB988DE/WE  
(QPWBX988WJ)

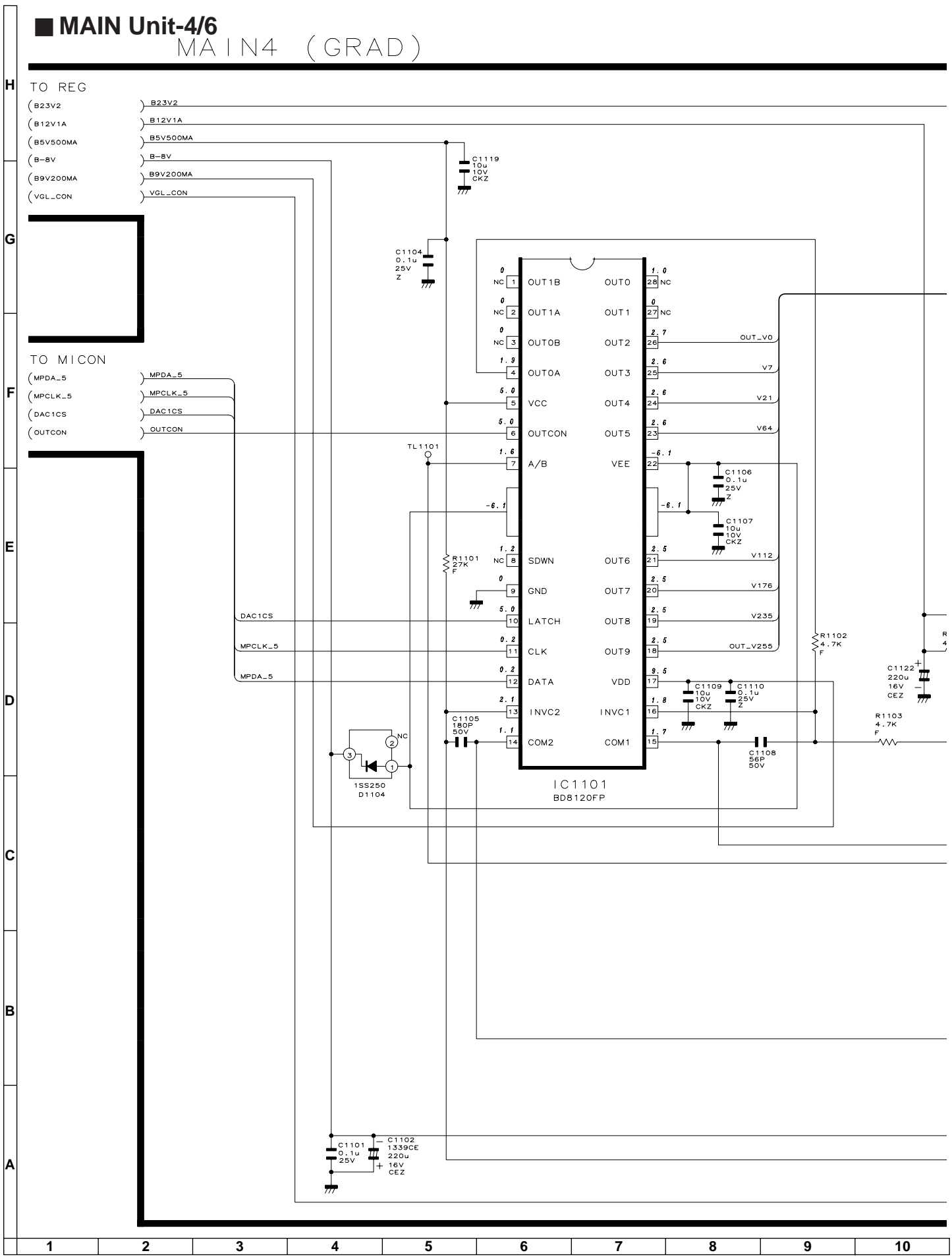
- TO REG )
- V2.4, 2.4V ) (V2.4, 2.4V)
  - VLS ) (VLS)
  - VEE ) (VEE)
  - VGL ) (VGL)
  - VGH ) (VGH)

TL1313  
O-4

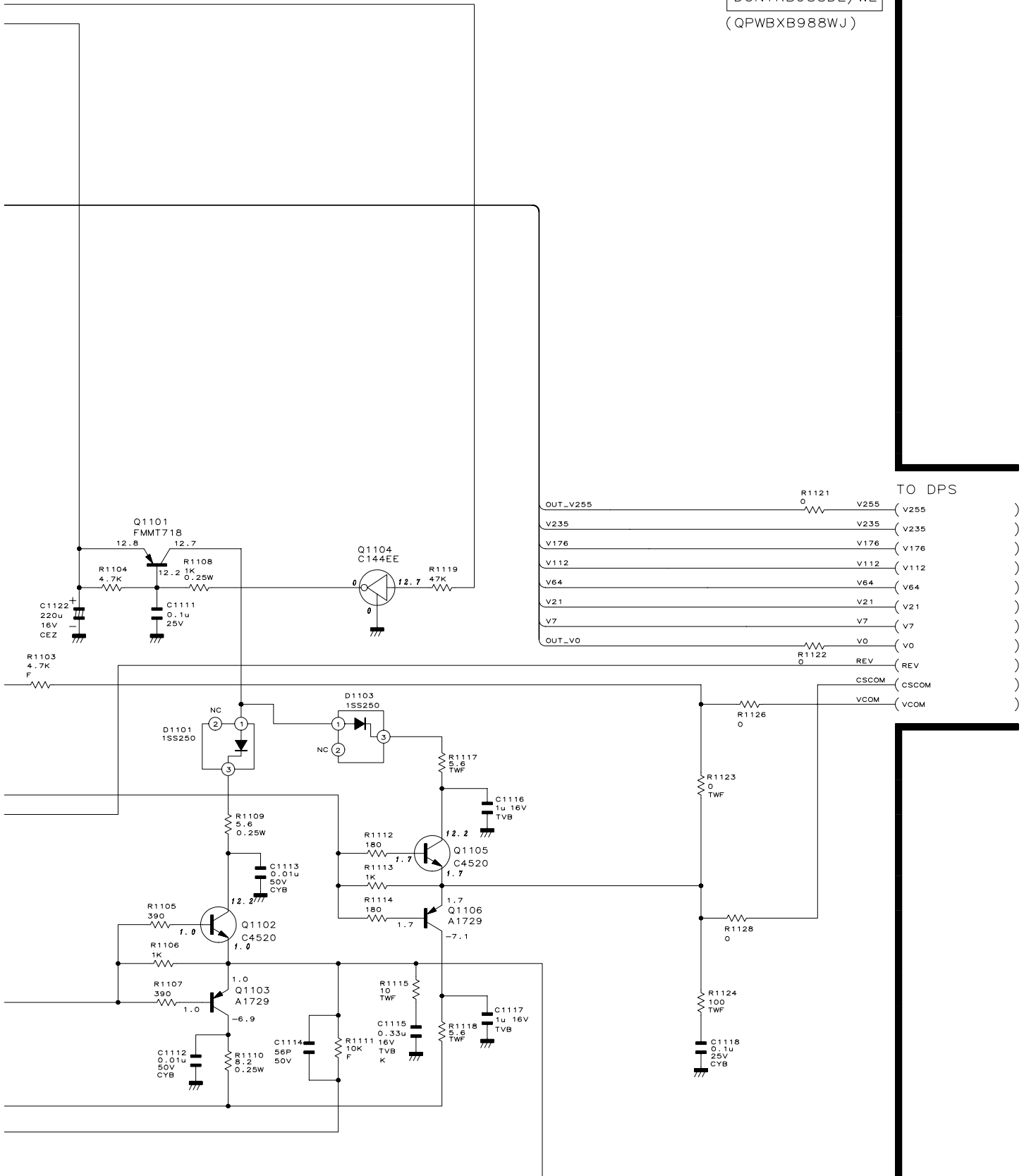
Pin	Signal	Component
1	VLS	TL1299
2	YOB1.10	TL1299
3	YOB1.9	TL1299
4	YOB1.8	TL1294
5	YOB1.7	TL1294
6	YOB1.6	TL1294
7	YOB1.5	TL1297
8	YOB1.4	TL1299
9	YOB1.3	TL1299
10	YOB1.2	TL1300
11	YOB1.1	TL1301
12	VGL	TL1302
13	VGL	TL1303
14	VEE	TL1304
15	VEE	TL1305
16	SSP1	TL1305
17	V2.4, 2.4V	TL1305
18	V2.4, 2.4V	TL1305
19	NC	TL1312
20	GND	TL1312
21	GND	TL1312
22	GND	TL1306
23	GBLR	TL1307
24	GCK	TL1307
25	POWER	TL1306
26	GSP2	TL1306
27	VGH	TL1216
28	VGH	TL1311
29	CSCOM	TL1311
30	CSCOM	TL1311

Pin	Signal	Component
28	YOB1.10	R1200
29	YOB1.9	R1201
30	YOB1.8	R1202
31	YOB1.7	R1203
32	YOB1.6	R1204
33	YOB1.5	R1205
34	YOB1.4	R1206
35	YOB1.3	R1207
36	YOB1.2	R1208
37	YOB1.1	R1209
38	YOB1.0	R1210
39	YOB1.10	R1211
40	YOB1.9	R1212
41	YOB1.8	R1213
42	YOB1.7	R1214
43	YOB1.6	R1215
44	YOB1.5	R1216
45	YOB1.4	R1217
46	YOB1.3	R1218
47	YOB1.2	R1219
48	YOB1.1	R1220
49	YOB1.0	R1221
50	YOB1.1	R1222
51	YOB1.0	R1223
52	YOB1.1	R1224
53	YOB1.0	R1225
54	YOB1.1	R1226
55	YOB1.0	R1227
56	YOB1.1	R1228
57	YOB1.0	R1229
58	YOB1.1	R1230
59	YOB1.0	R1231
60	YOB1.1	R1232
61	YOB1.0	R1233
62	YOB1.1	R1234
63	YOB1.0	R1235
64	YOB1.1	R1236
65	YOB1.0	R1237
66	YOB1.1	R1238
67	YOB1.0	R1239
68	YOB1.1	R1240

# MAIN Unit-4/6 MAIN4 (GRAD)



DUNTKB988DE/WE  
(QPWBXB988WJ)

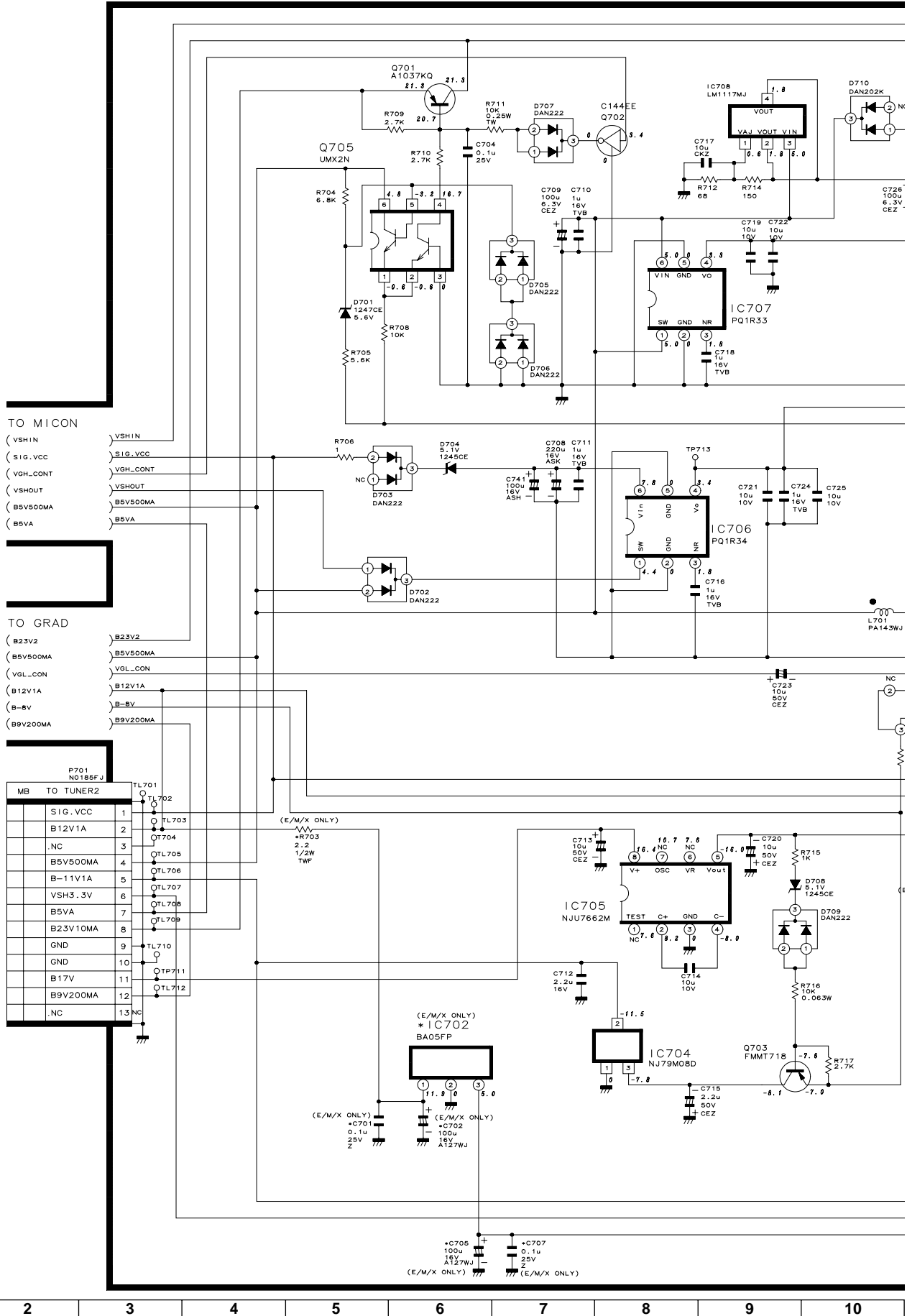


10	11	12	13	14	15	16	17	18	19
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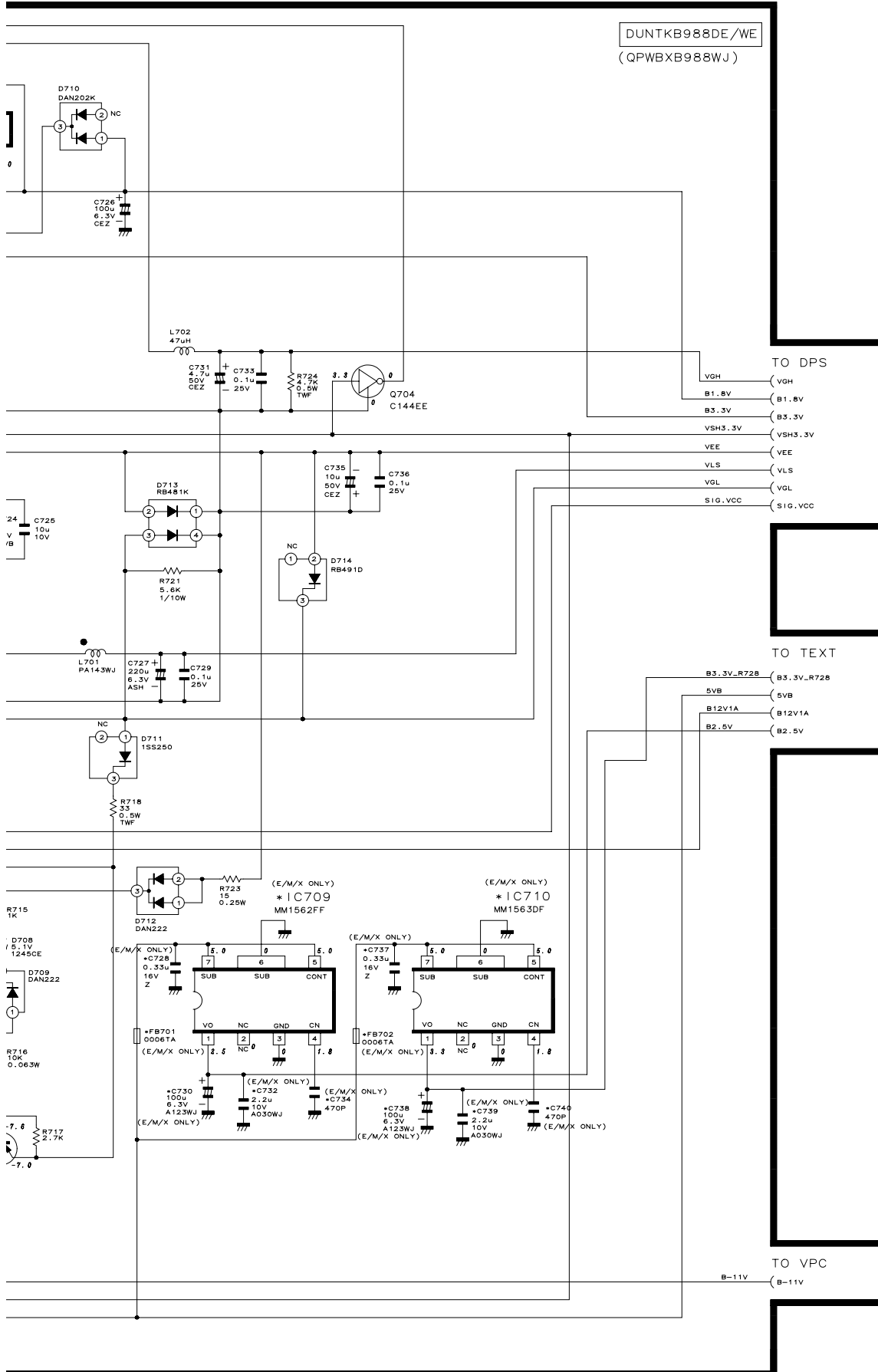
MAIN Unit-5/6

MAIN5(REG)

H  
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D  
C  
B  
A

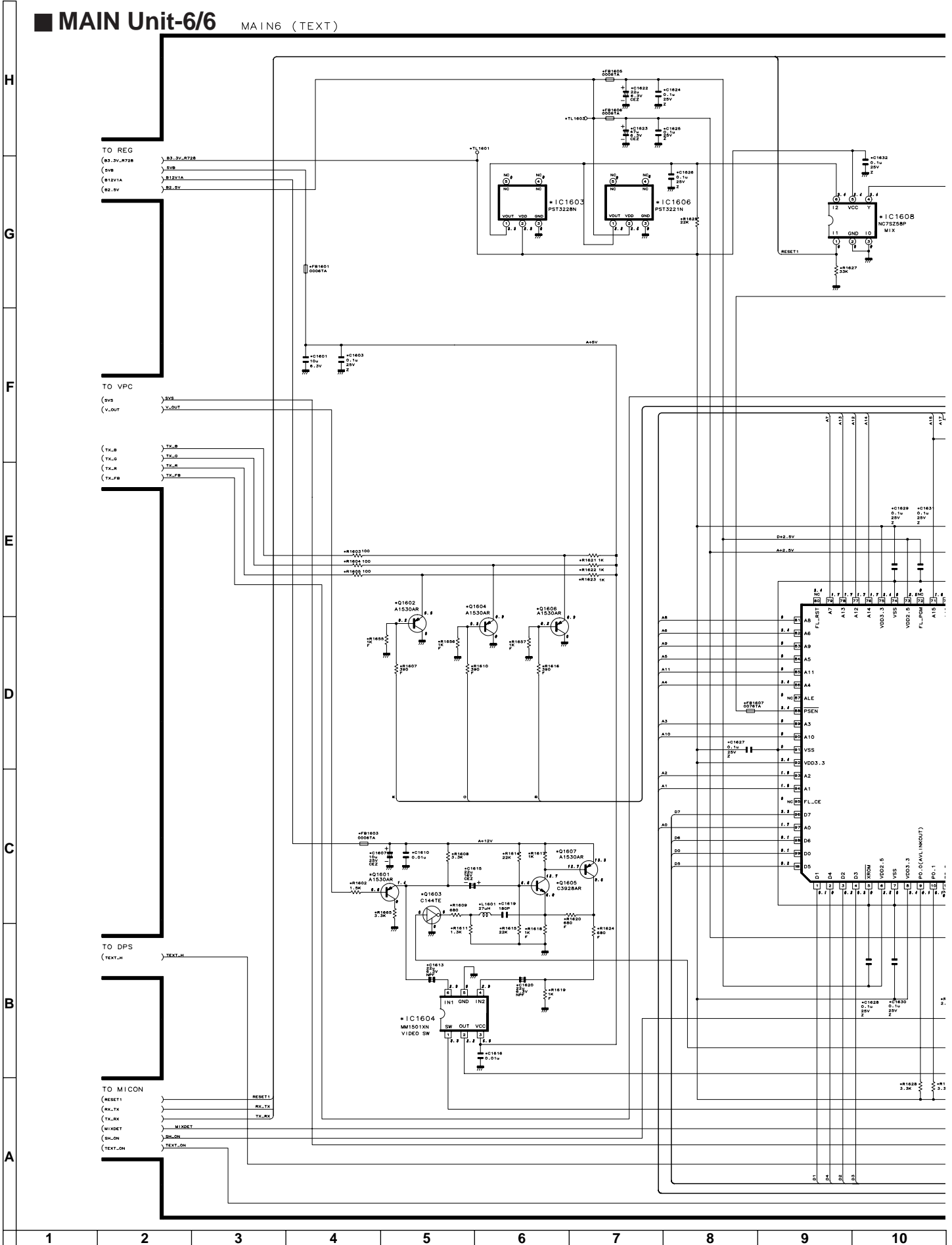


REG)



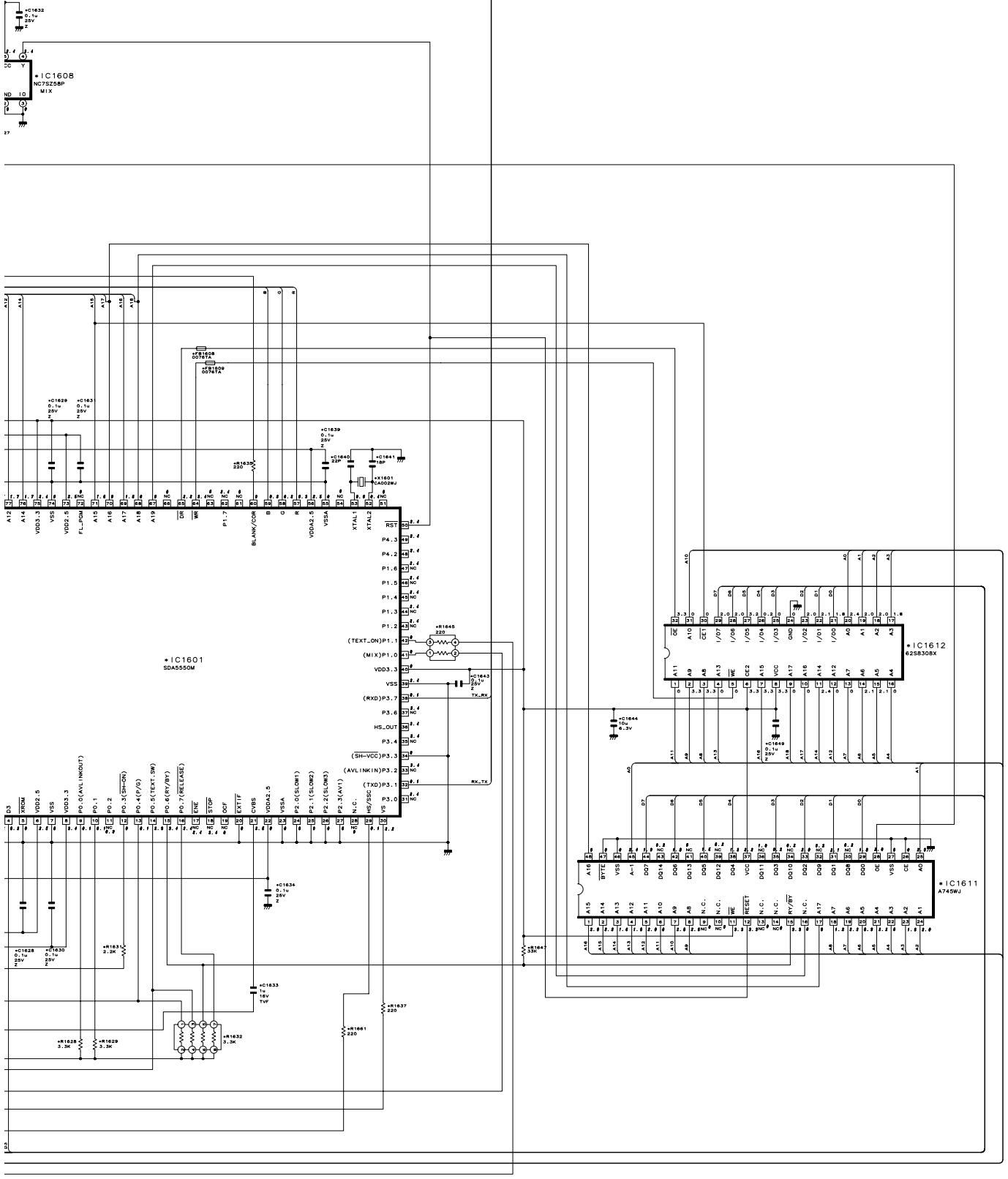
10	11	12	13	14	15	16	17	18	19
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# MAIN Unit-6/6 MAIN6 (TEXT)





DUNTKB988DE/WE  
(QPWBX988WU)

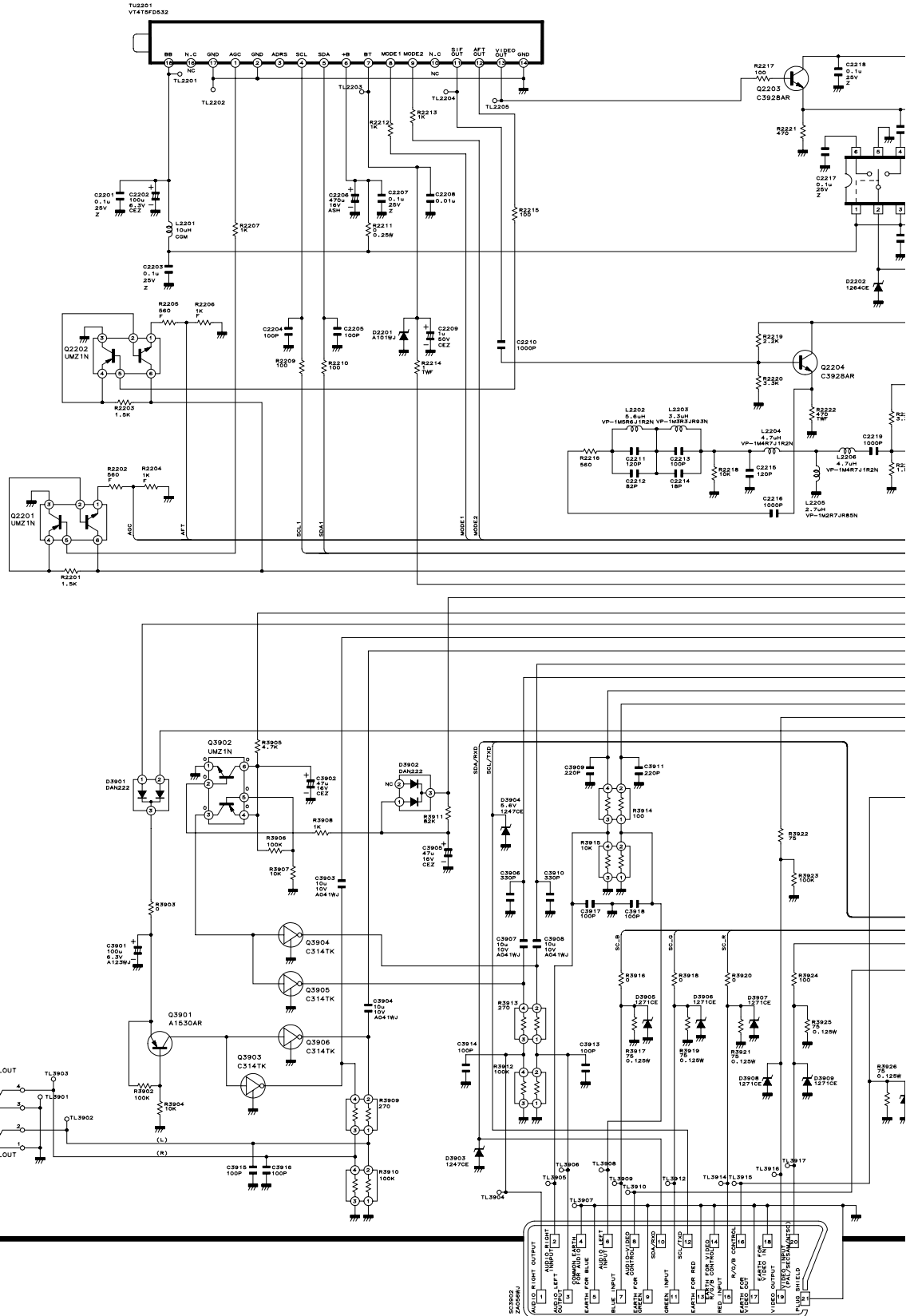


10	11	12	13	14	15	16	17	18	19
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# TUNER Unit-1/5

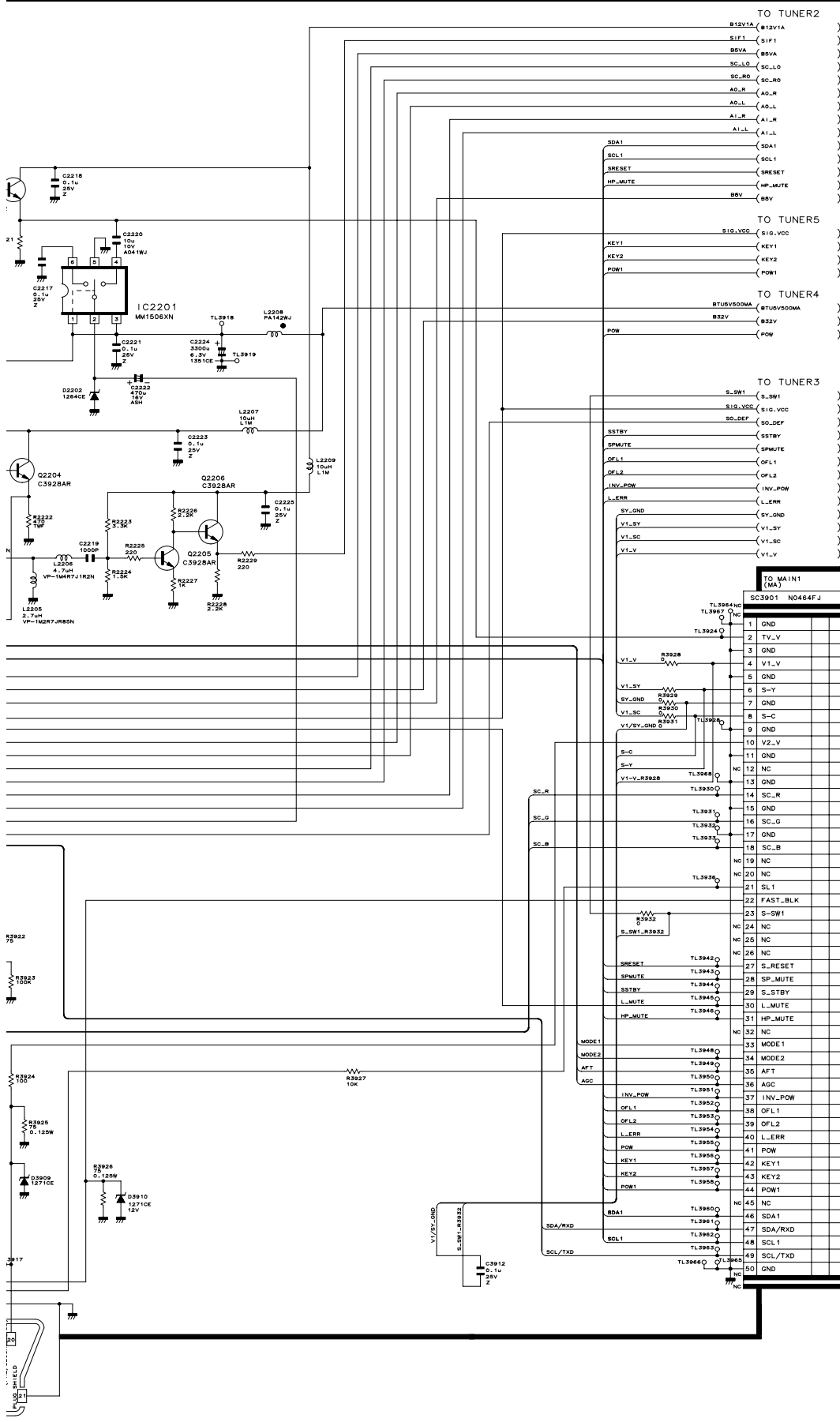
TUNER 1

DUNTKB984DE/WE  
(QPWBSB984WJ)



H  
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F  
E  
D  
C  
B  
A

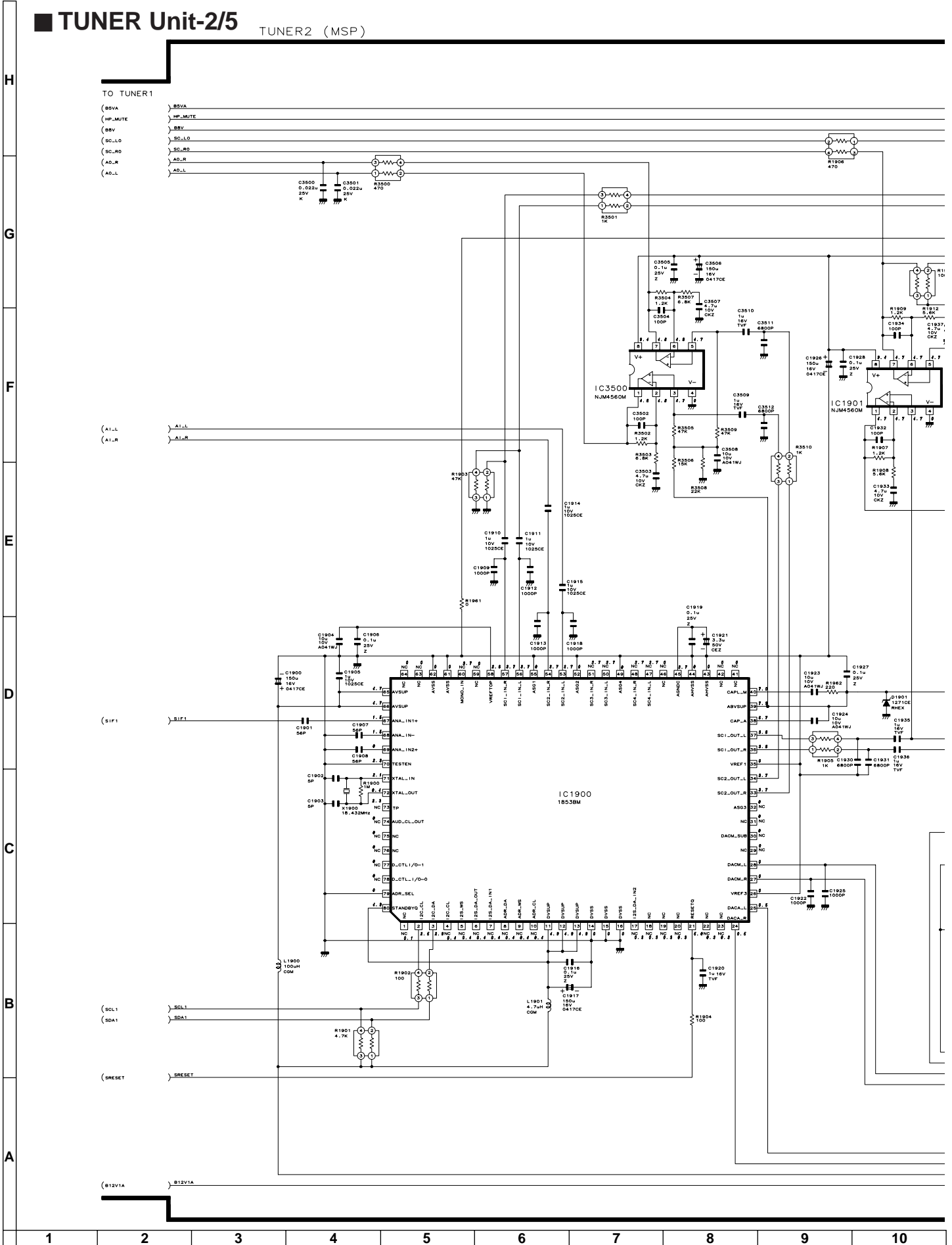
1 2 3 4 5 6 7 8 9 10



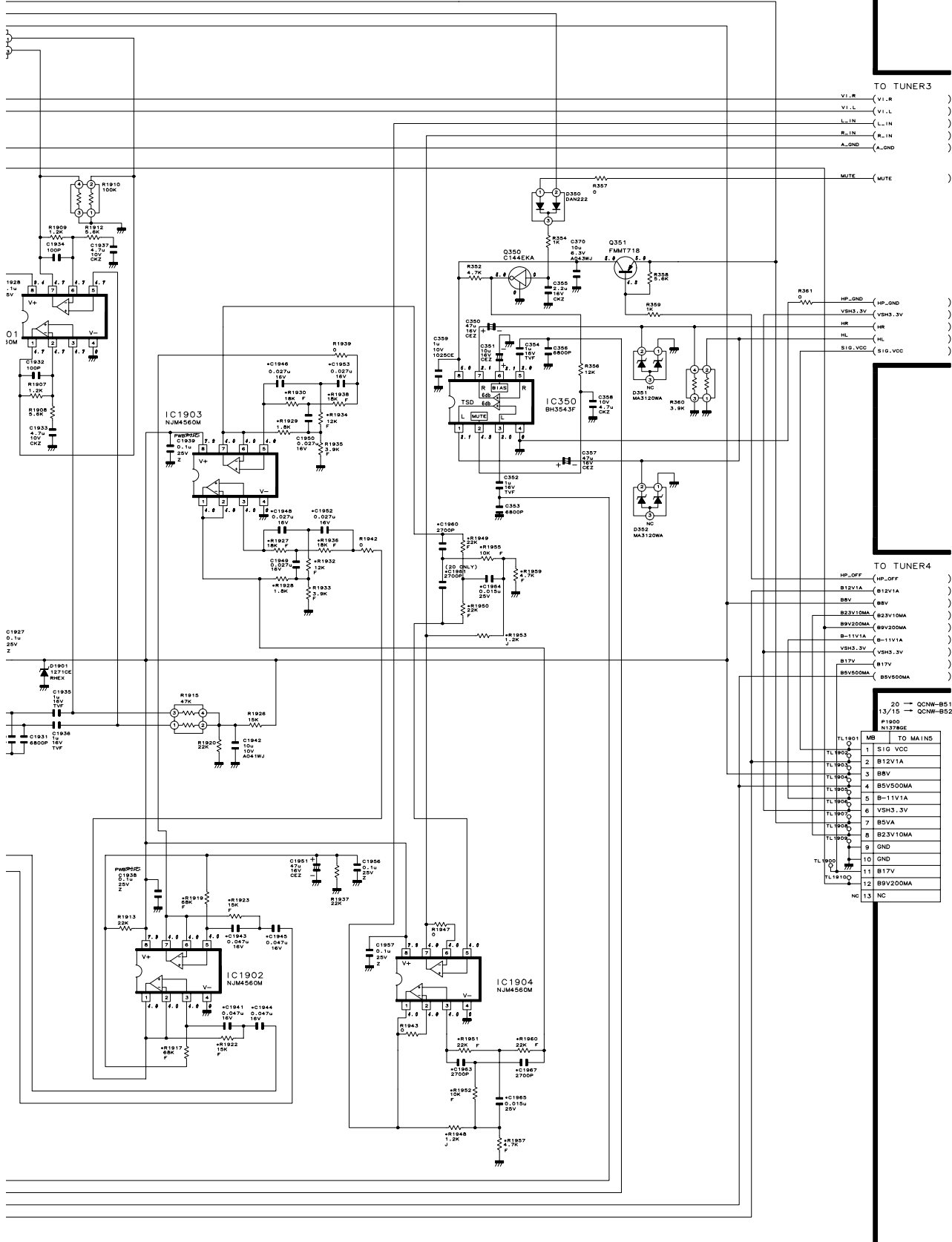
10	11	12	13	14	15	16	17	18	19
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# TUNER Unit-2/5

TUNER2 (MSP)



DUNTKB984DE/WE  
(QPWBSB984WJ)



TO TUNER3  
 V1.R (V1.R)  
 V1.L (V1.L)  
 L-IN (L-IN)  
 R-IN (R-IN)  
 A\_GND (A\_GND)

MUTE (MUTE)

HP\_GND (HP\_GND)  
 VSH3.3V (VSH3.3V)  
 HR (HR)  
 HL (HL)  
 SIG\_VCC (SIG\_VCC)

TO TUNER4  
 HP\_OFF (HP\_OFF)  
 B12V1A (B12V1A)  
 8BV (8BV)  
 B23V10MA (B23V10MA)  
 B9V200MA (B9V200MA)  
 B-11V1A (B-11V1A)  
 VSH3.3V (VSH3.3V)  
 B17V (B17V)  
 B9V200MA (B9V200MA)

20 → QCNW-B519W  
 13/15 → QCNW-B527W

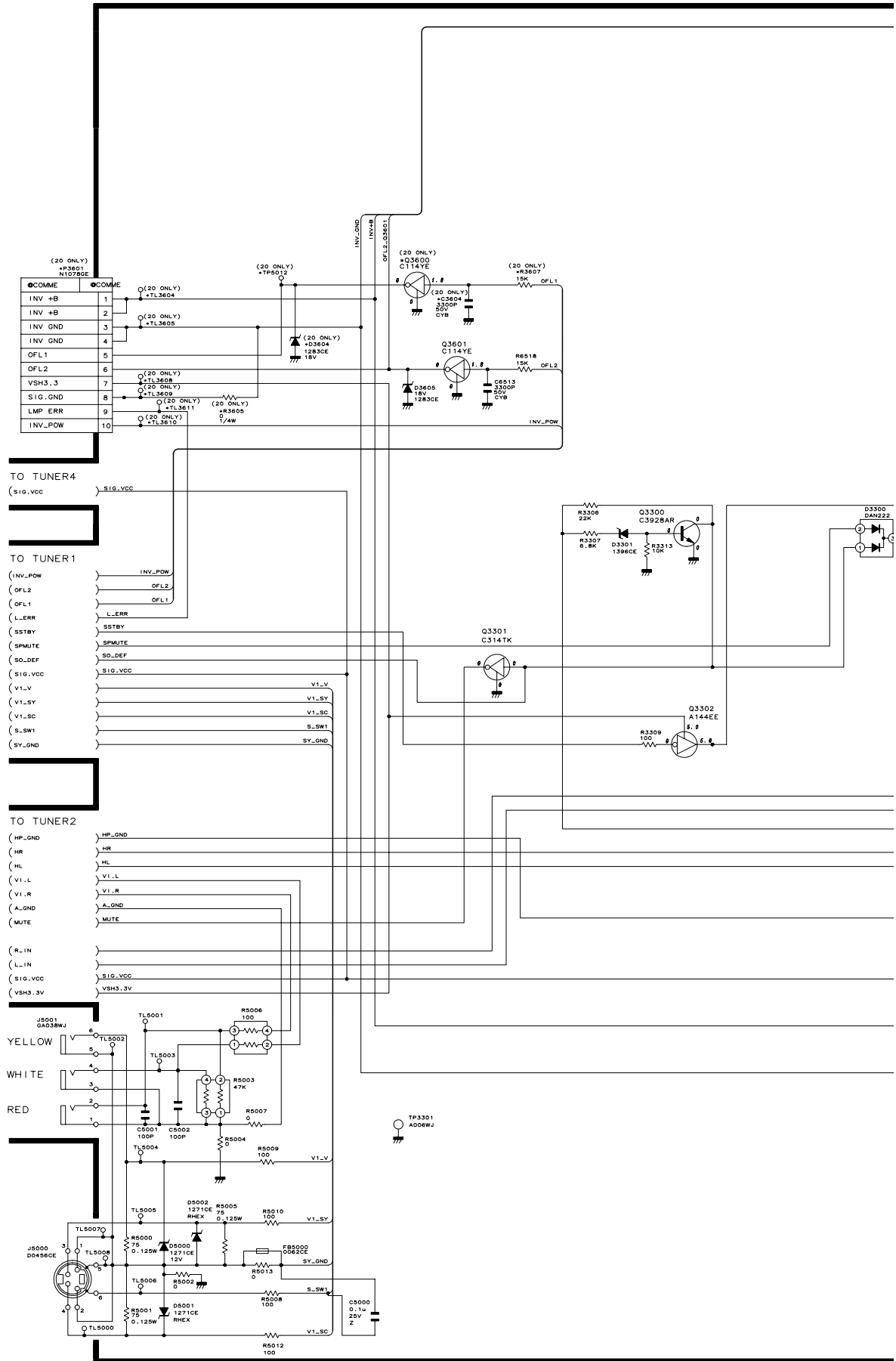
TL1901	MB	TO MAINS
TL1902	1	SIG_VCC
TL1903	2	B12V1A
TL1904	3	8BV
TL1905	4	B5V500MA
TL1906	5	B-11V1A
TL1907	6	VSH3.3V
TL1908	7	B5V
TL1909	8	B23V10MA
TL1900	9	GND
TL1910	10	GND
TL1911	11	B17V
TL1912	12	B9V200MA
NC	13	NC

10 11 12 13 14 15 16 17 18 19

# TUNER Unit-3/5

TUNER3 (SP AMP)

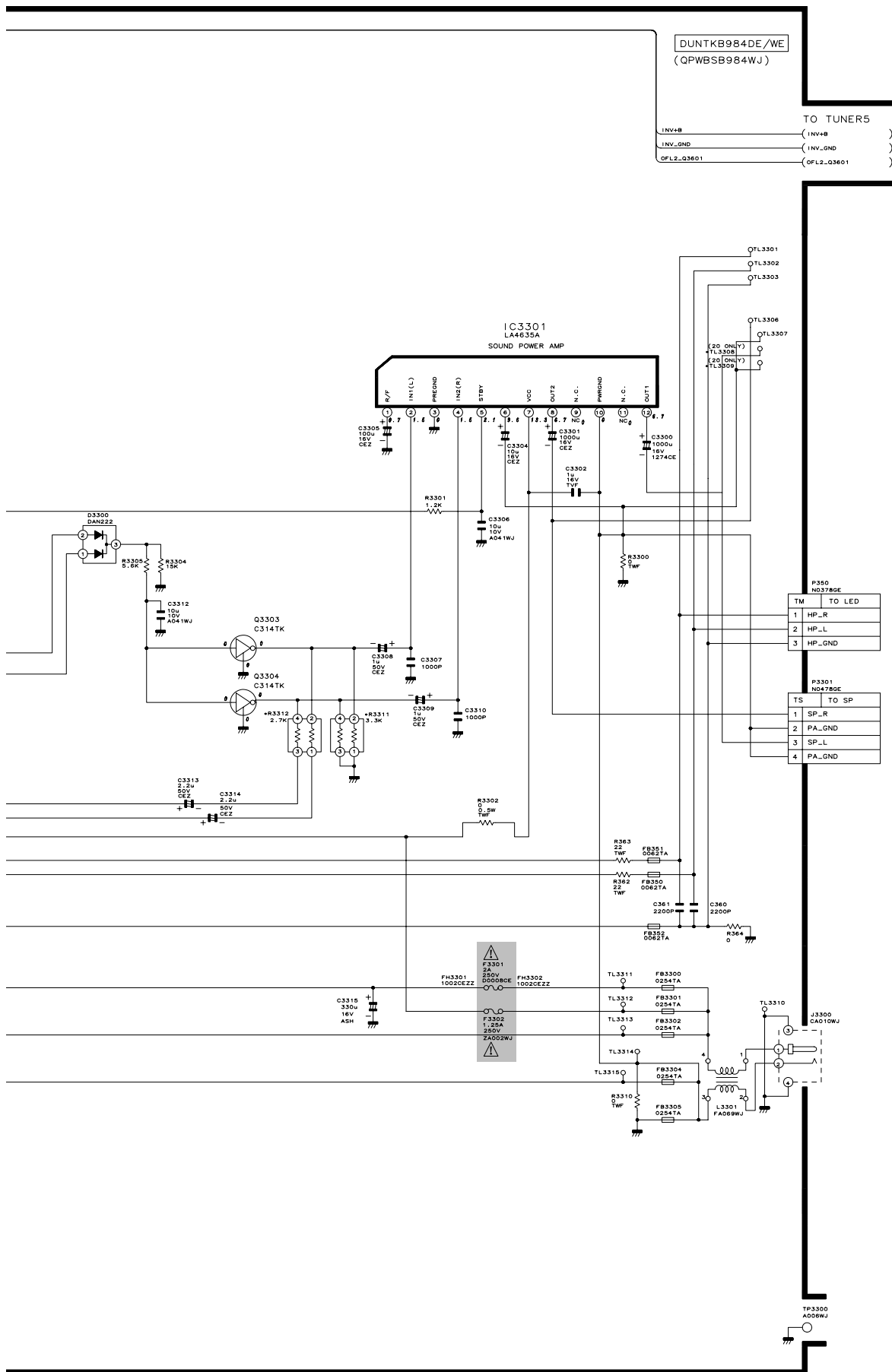
H  
G  
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D  
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B  
A



1 2 3 4 5 6 7 8 9 10

DUNTKB984DE/WE  
(QPWBSB984WJ)

TO TUNERS  
 (INV+8 (INV+8)  
 (INV\_GND (INV\_GND)  
 (OFL2\_Q3601 (OFL2\_Q3601)



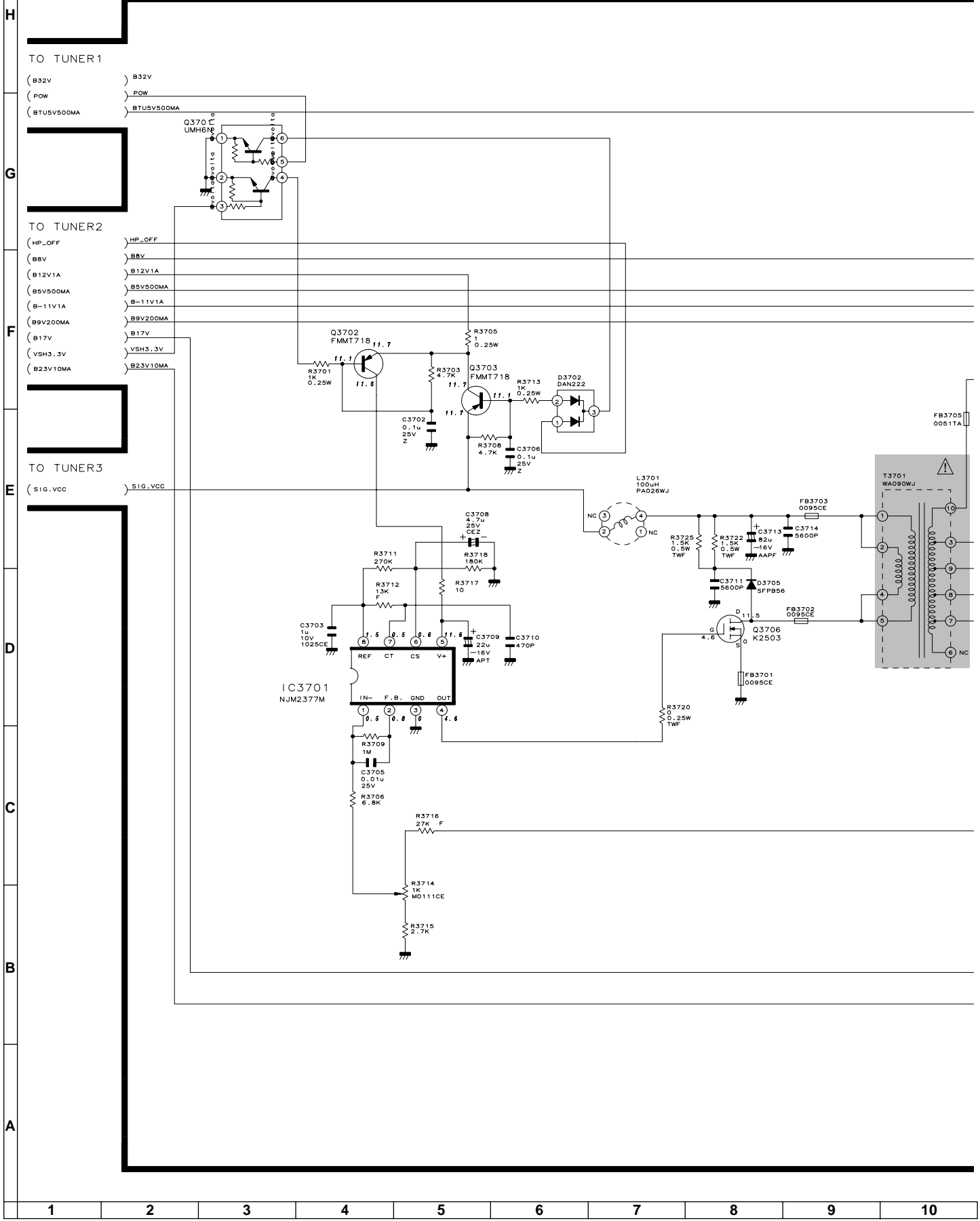
TM	TO LED
1	HP_R
2	HP_L
3	HP_GND

TS	TO SP
1	SP_R
2	PA_GND
3	SP_L
4	PA_GND

10	11	12	13	14	15	16	17	18	19
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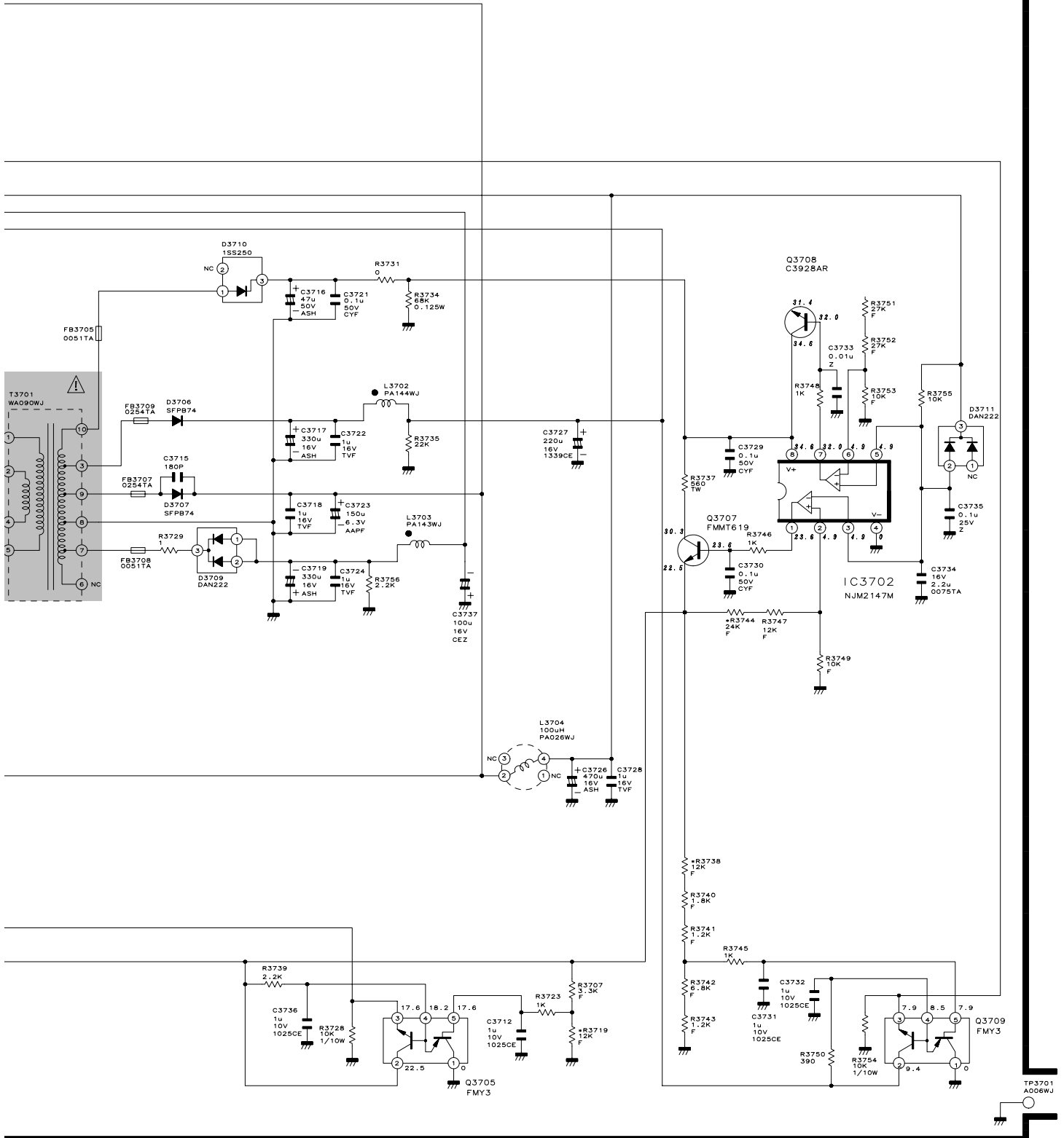
**TUNER Unit-4/5**

TUNER4 (DCDC CONVERTER)





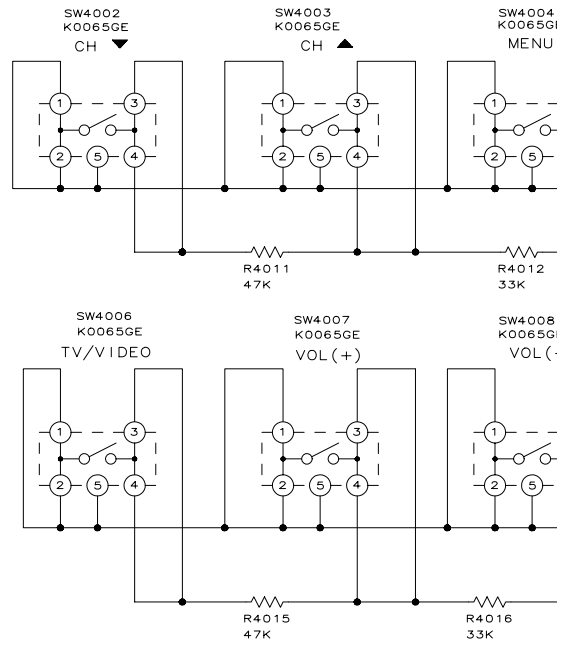
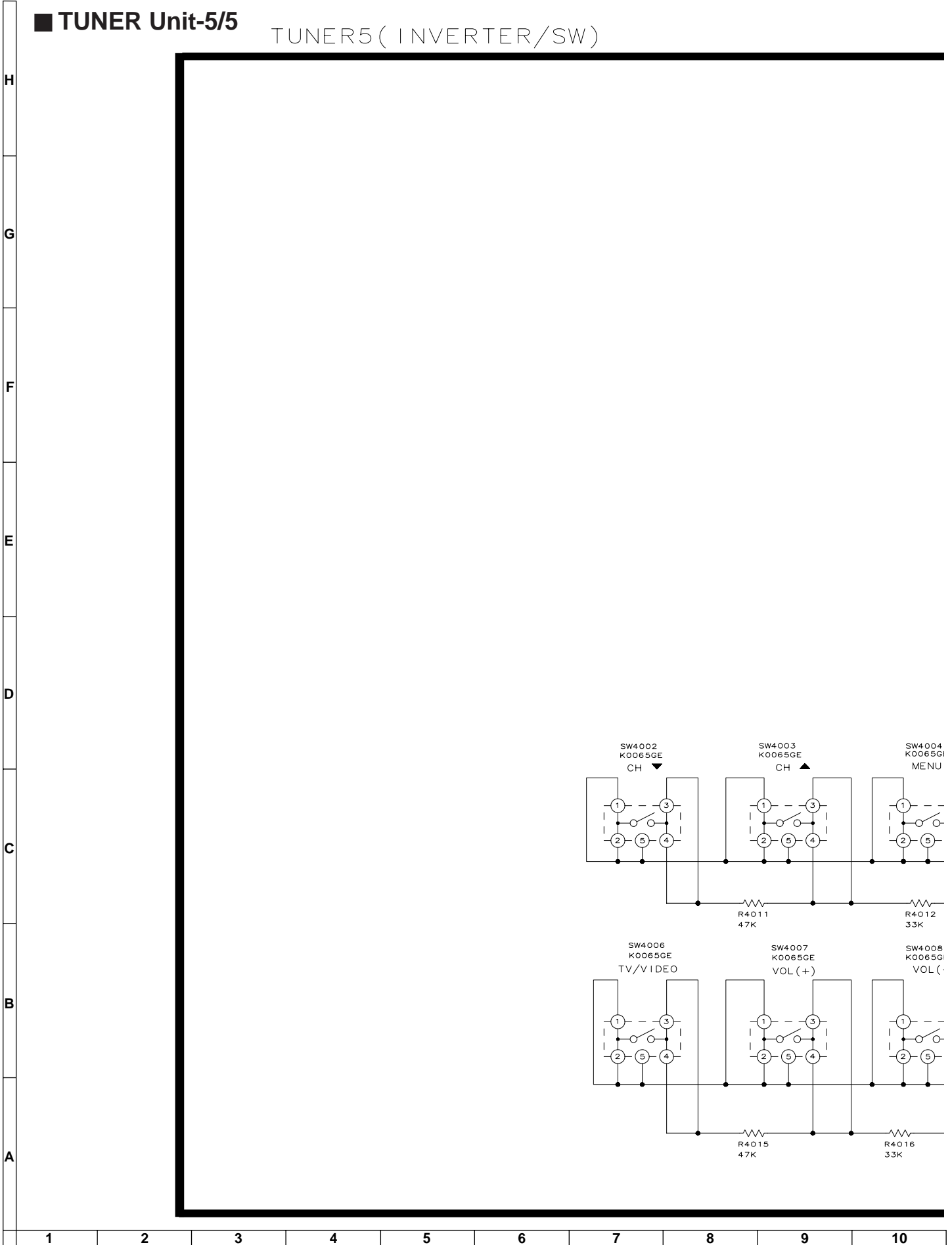
DUNTKB984DE/WE  
(QPWBSB984WJ)



10	11	12	13	14	15	16	17	18	19
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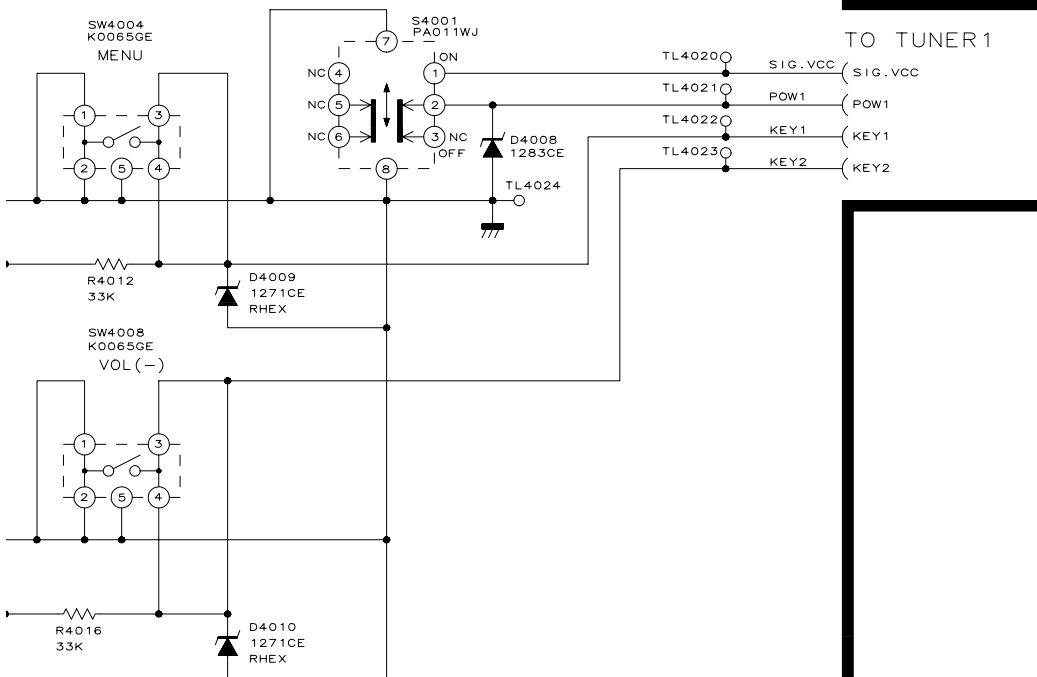
■ TUNER Unit-5/5

TUNER5 ( INVERTER/SW )



DUNTKB984DE/WE

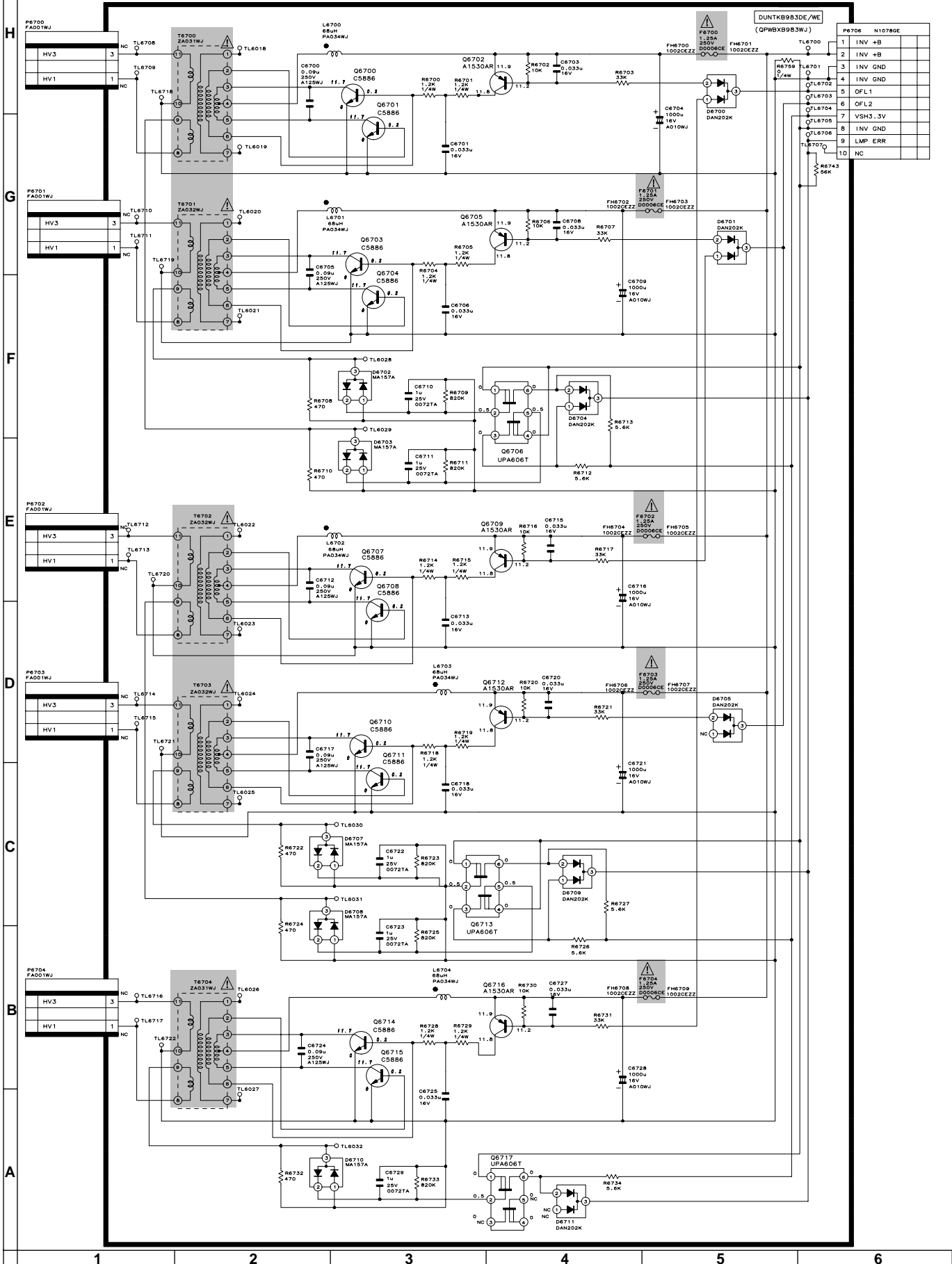
(QPWBSB984WJ)



10	11	12	13	14	15	16	17	18	19
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# INVERTER Unit

## INVERTER



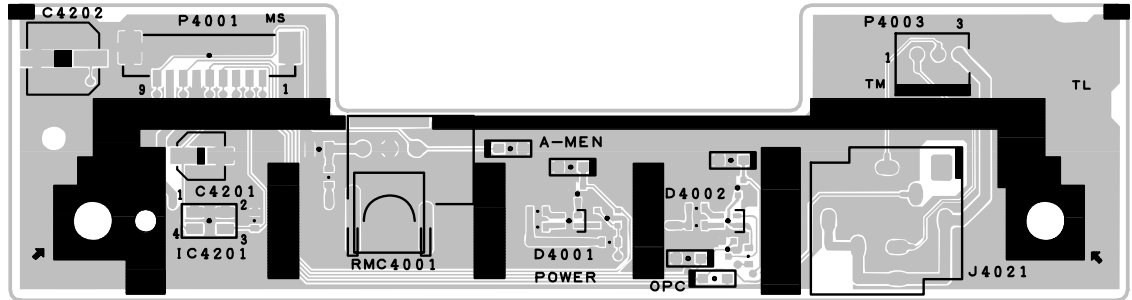
F6700	N1078GE
1	INV +B
2	INV +B
3	INV GND
4	INV GND
5	OF L1
6	OF L2
7	VSH3.3V
8	INV GND
9	LMP ERR
10	NC

# PRINTED WIRING BOARD ASSEMBLIES

H

G

F

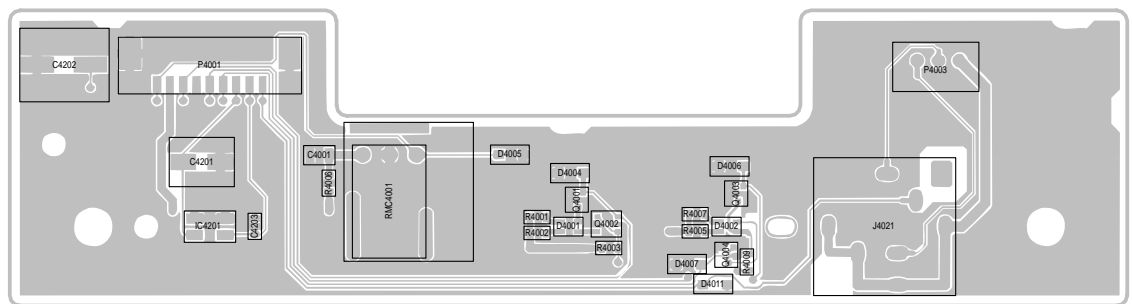


**R/C, LED Unit (Side-A)  
(QPWBSB985WJN3)**

E

D

C



**R/C, LED Unit (Chip Parts Side-A)  
(QPWBSB985WJN3)**

B

A

1

2

3

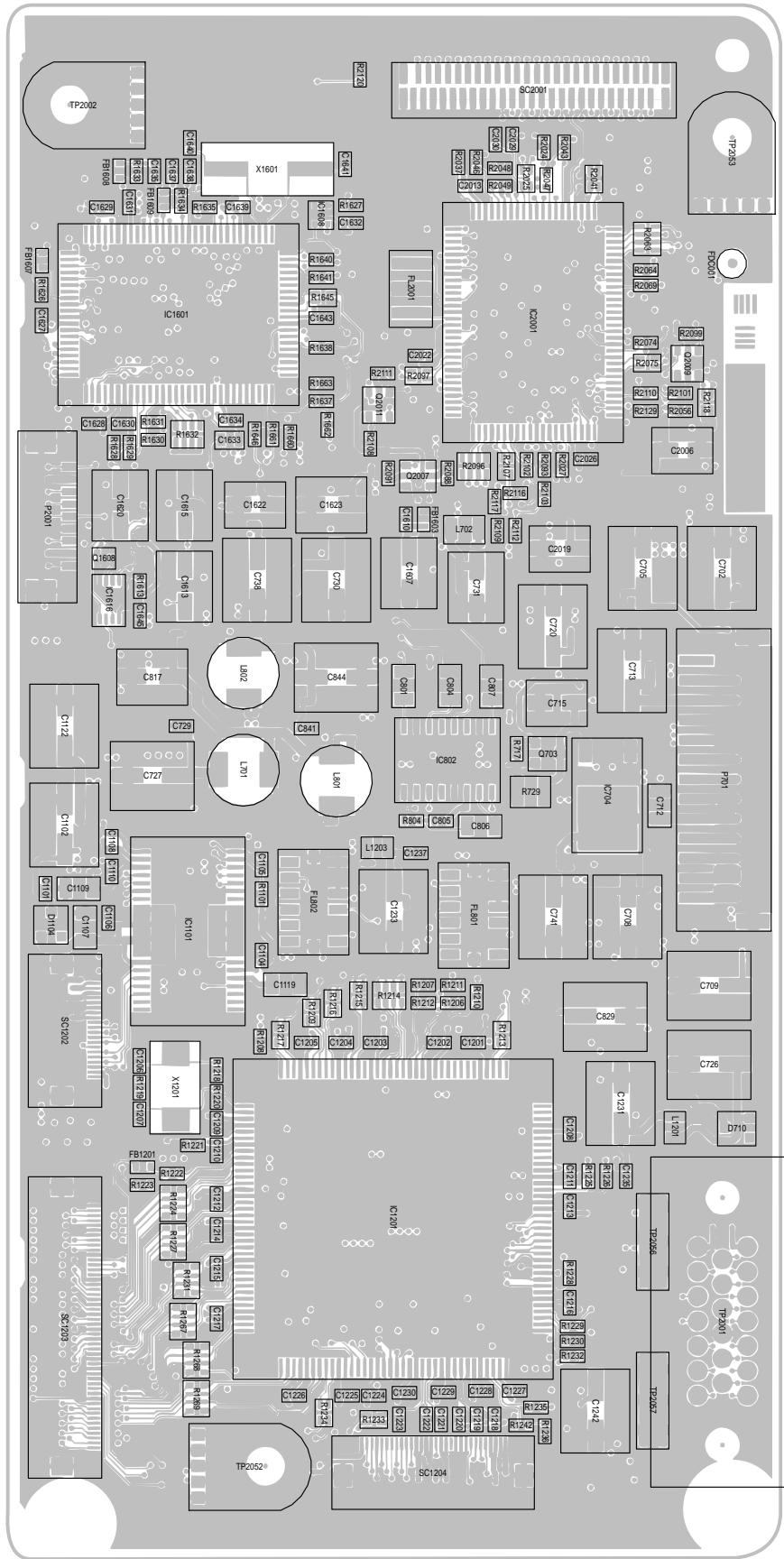
4

5

6

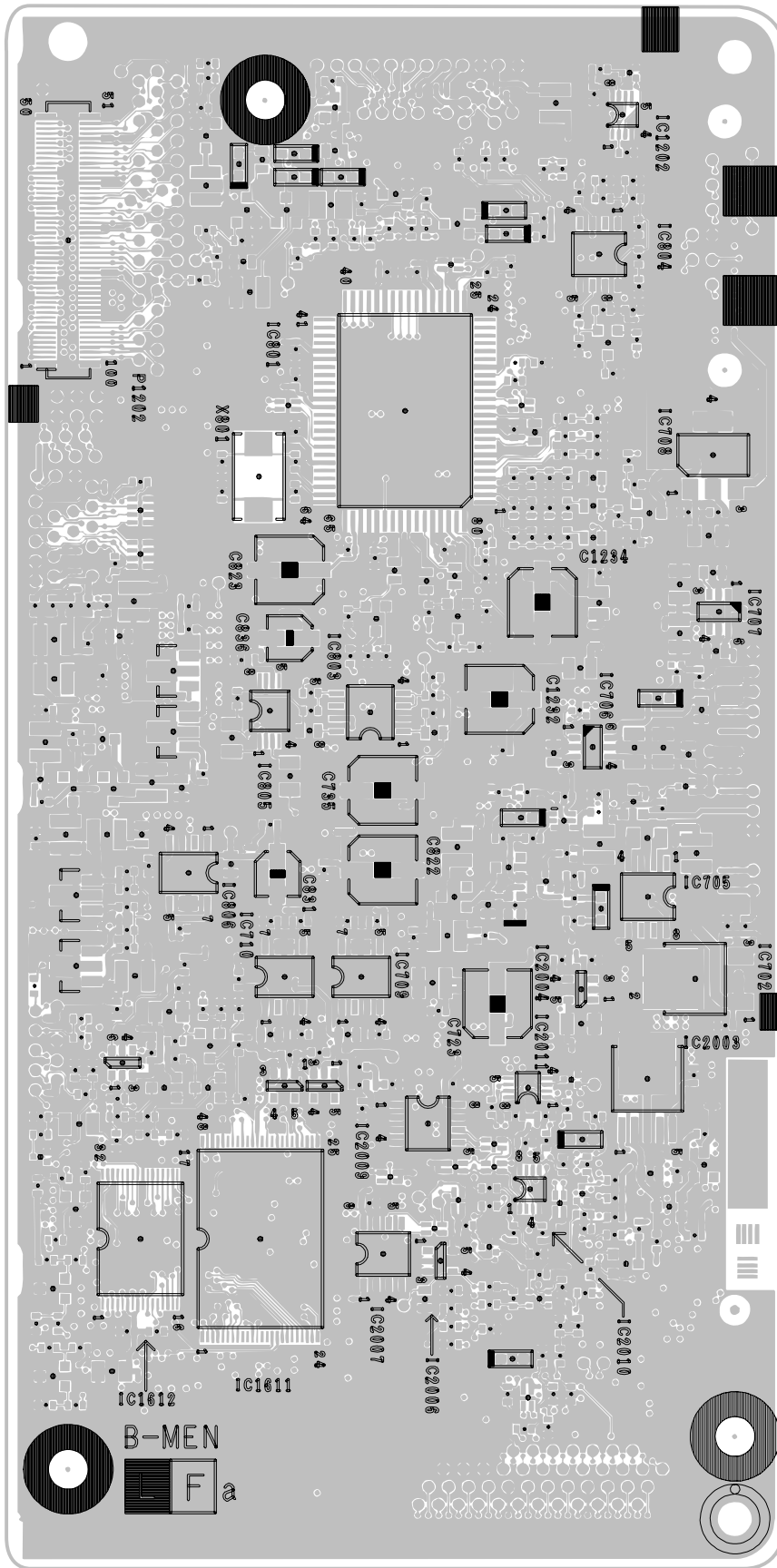


H  
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C  
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A  
1 2 3 4 5 6



MAIN Unit (Chip Parts Side-A)

H  
G  
F  
E  
D  
C  
B  
A

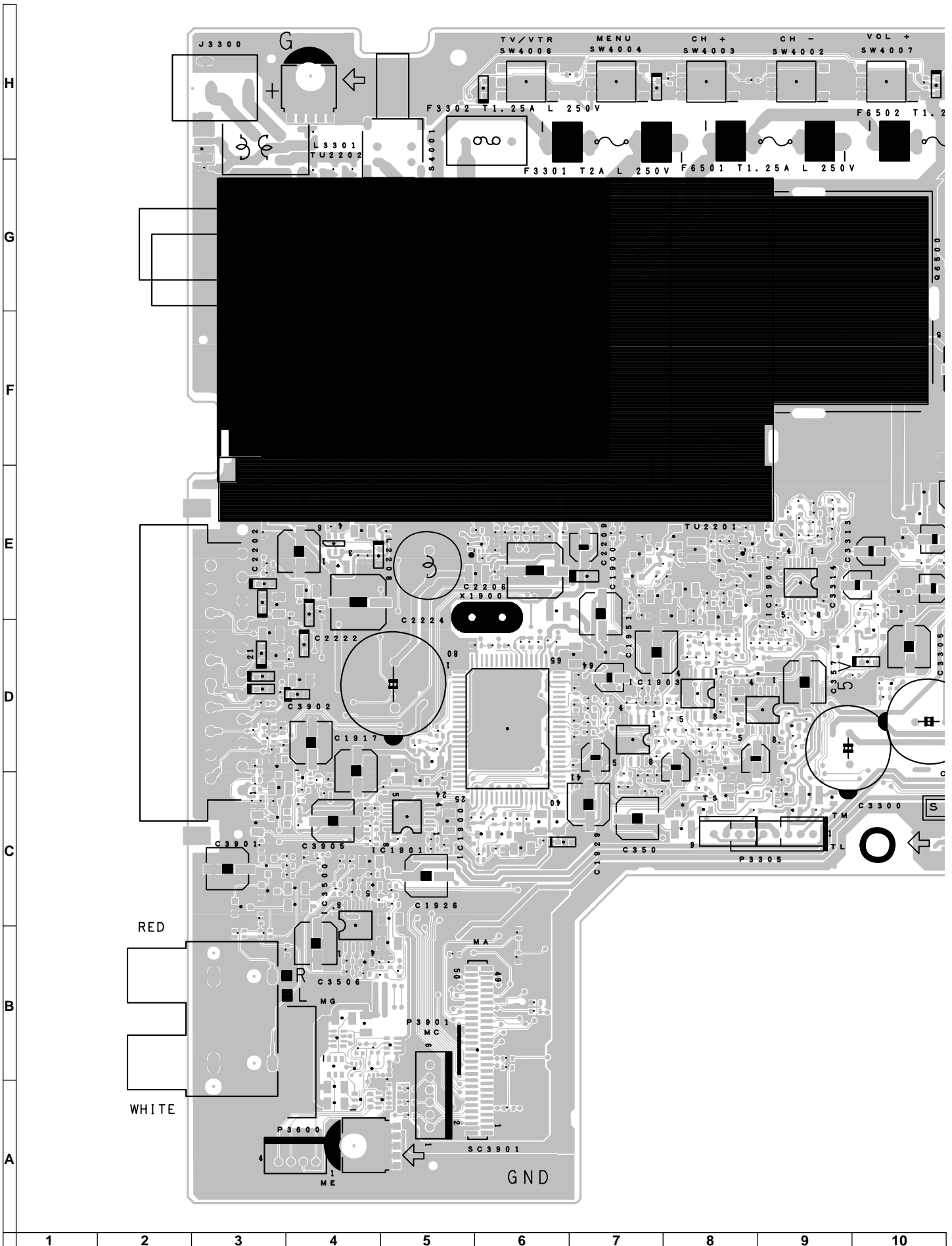


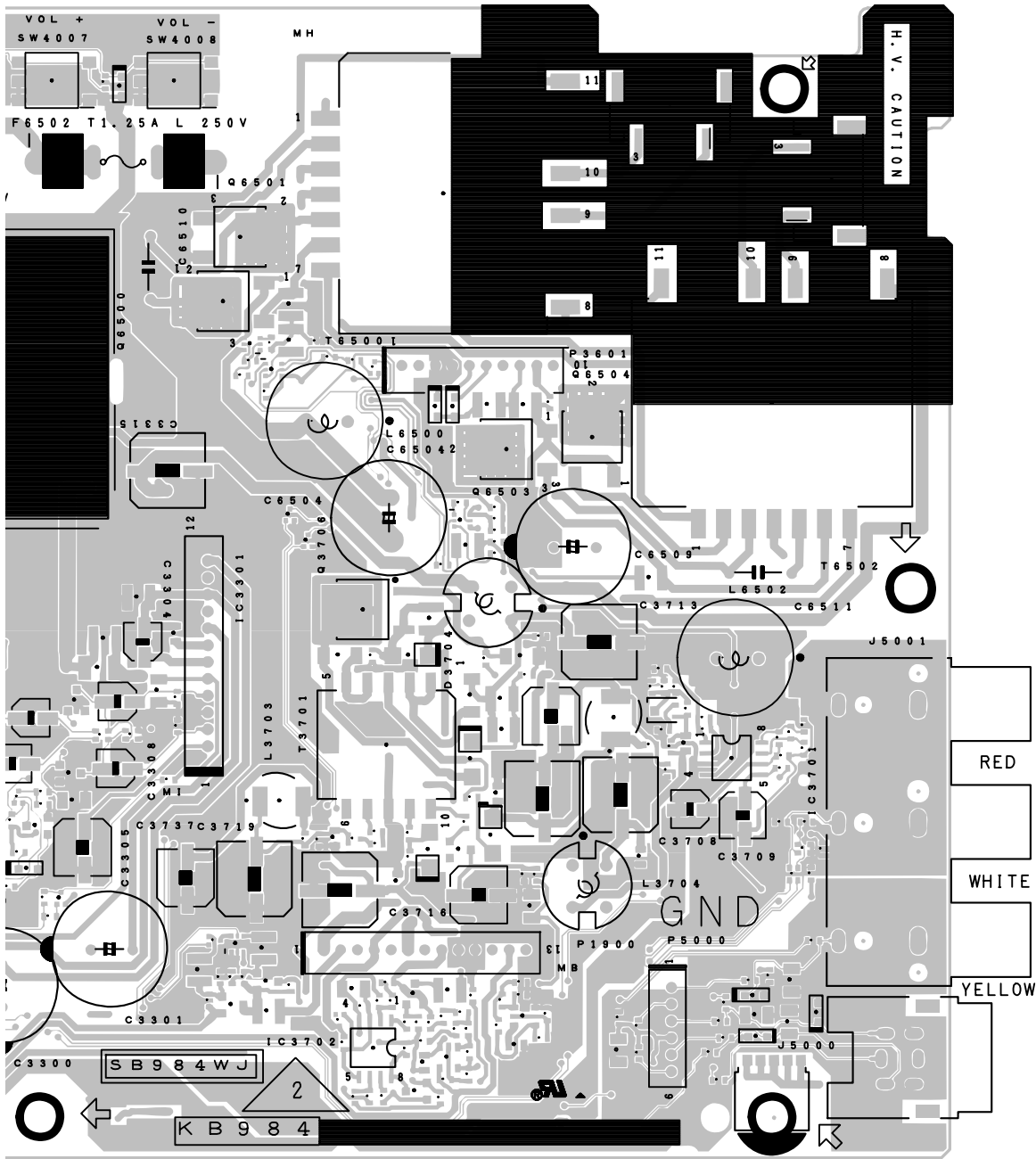
MAIN Unit (Side-B)

1 2 3 4 5 6







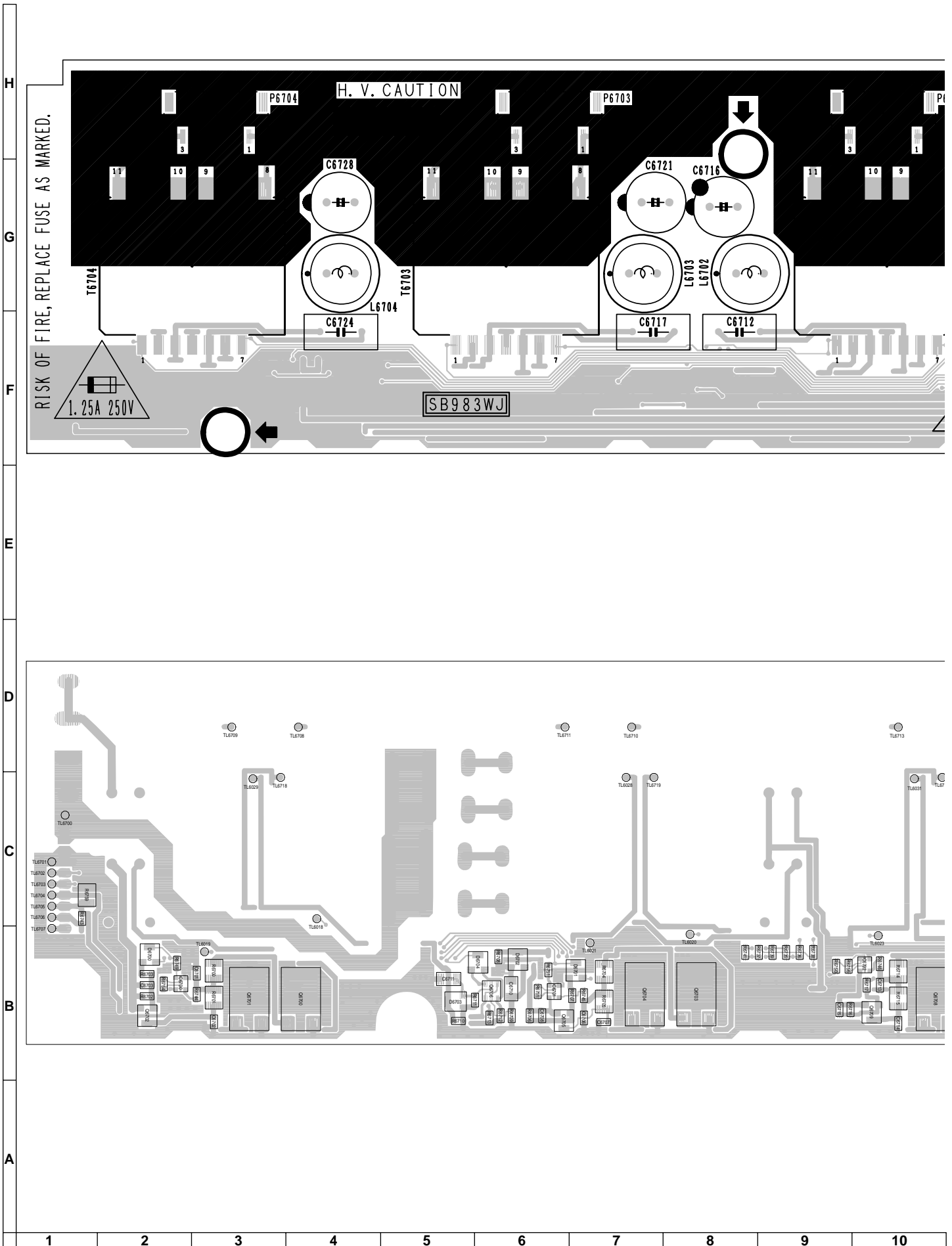


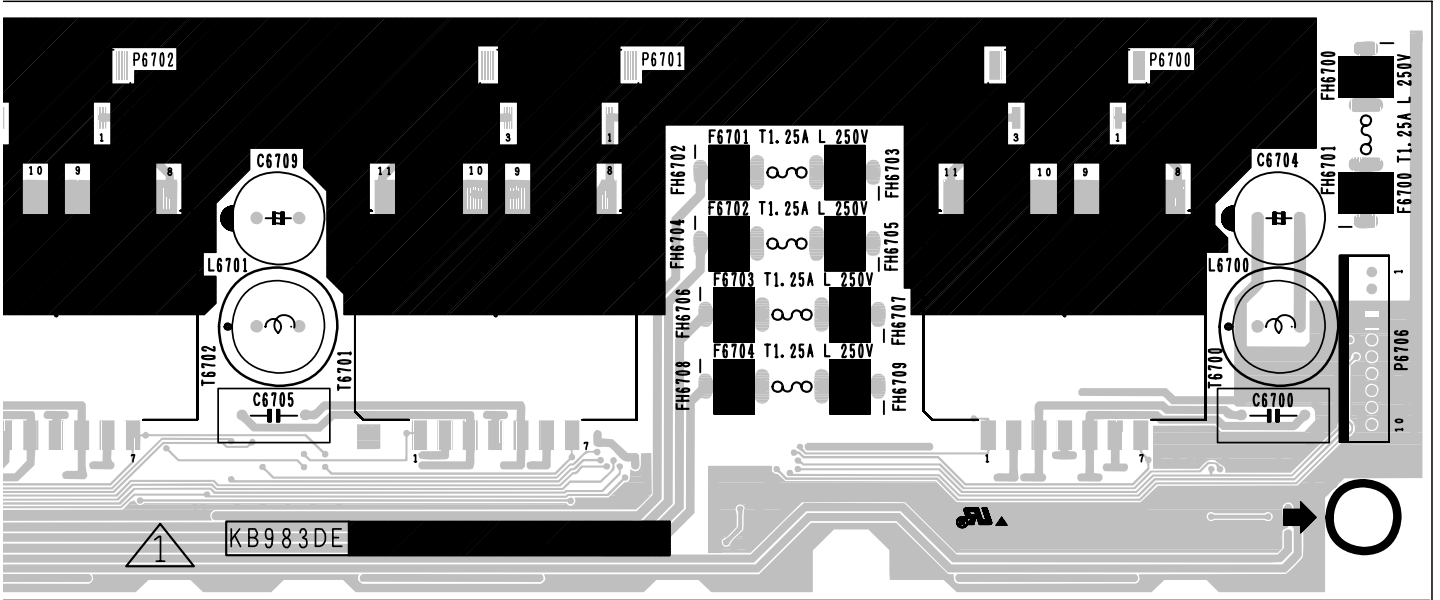
TUNER Unit (Side-A)

10	11	12	13	14	15	16	17	18	19
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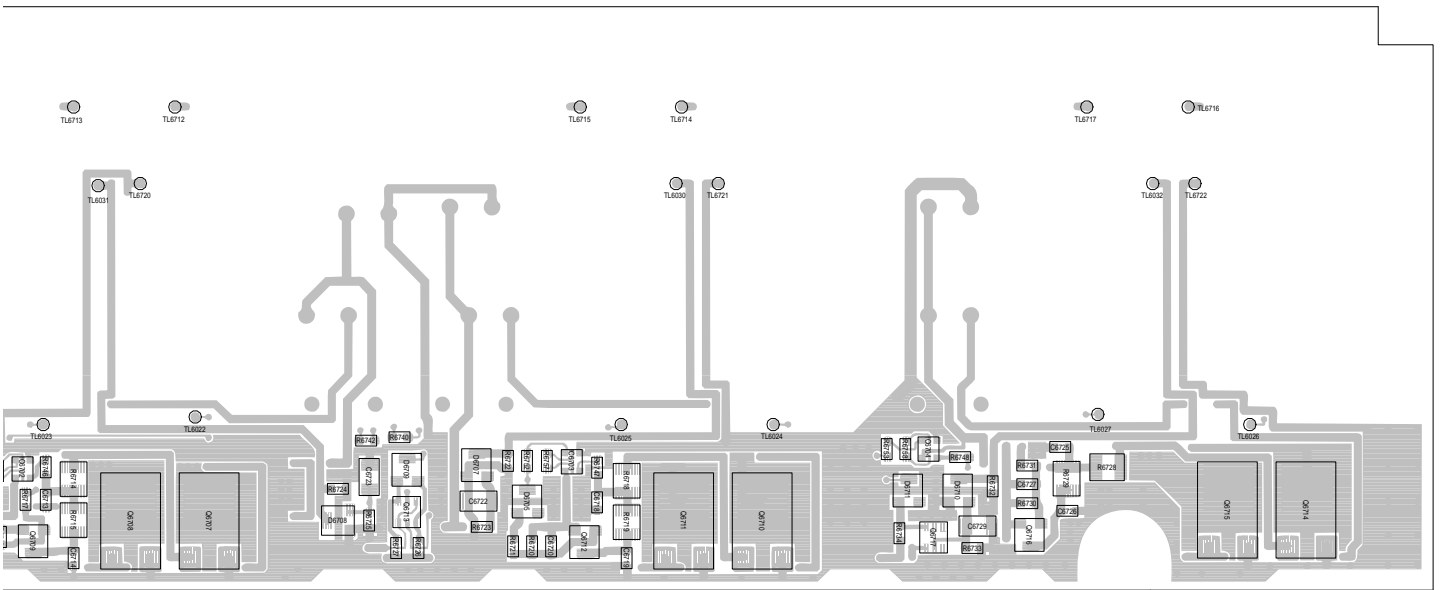








INVERTER Unit (Side-A)



INVERTER Unit (Side-B)

10	11	12	13	14	15	16	17	18	19
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# PARTS LIST

## PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by  $\Delta$  and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

### "HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- |                 |                |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO.    |
| 3. PART NO.     | 4. DESCRIPTION |

★ MARK: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code
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## PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

DUNTKB983WE03	-	INVERTER Unit	—
DUNTKB984WE03	-	TUNER Unit	—
DUNTKB985WE03	-	R/C,LED Unit	—
DUNTKB988FE03	-	MAIN Unit	—

## LCD PANEL

**NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.**

RLCDDTA025WJZZ	J	20" LCD Panel Unit	DB
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## DUNTKB983WE03 INVERTER UNIT

### TRANSISTORS

Q6700	VS2SC5886++-1Y	J	2SC5886	AE
Q6701	VS2SC5886++-1Y	J	2SC5886	AE
Q6702	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q6703	VS2SC5886++-1Y	J	2SC5886	AE
Q6704	VS2SC5886++-1Y	J	2SC5886	AE
Q6705	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q6706	VSUPA606T//-1Y	J	UPA606T	AD
Q6707	VS2SC5886++-1Y	J	2SC5886	AE
Q6708	VS2SC5886++-1Y	J	2SC5886	AE
Q6709	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q6710	VS2SC5886++-1Y	J	2SC5886	AE
Q6711	VS2SC5886++-1Y	J	2SC5886	AE
Q6712	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q6713	VSUPA606T//-1Y	J	UPA606T	AD
Q6714	VS2SC5886++-1Y	J	2SC5886	AE
Q6715	VS2SC5886++-1Y	J	2SC5886	AE
Q6716	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q6717	VSUPA606T//-1Y	J	UPA606T	AD

### DIODES

D6700	VHDDAN202K/-1Y	J	Diode	AB
D6701	VHDDAN202K/-1Y	J	Diode	AB

Ref. No.	Part No.	★	Description	Code
D6702	VHDDAN202K/-1Y	J	Diode	AB
D6703	VHDDAN202K/-1Y	J	Diode	AB
D6704	VHDDAN202K/-1Y	J	Diode	AB
D6705	VHDDAN202K/-1Y	J	Diode	AB
D6707	VHDDAN202K/-1Y	J	Diode	AB
D6708	VHDDAN202K/-1Y	J	Diode	AB
D6709	VHDDAN202K/-1Y	J	Diode	AB
D6710	VHDDAN202K/-1Y	J	Diode	AB
D6711	VHDDAN202K/-1Y	J	Diode	AB

### COILS

L6700	RCiLPA034WJZZ	J	Coil	AD
L6701	RCiLPA034WJZZ	J	Coil	AD
L6702	RCiLPA034WJZZ	J	Coil	AD
L6703	RCiLPA034WJZZ	J	Coil	AD
L6704	RCiLPA034WJZZ	J	Coil	AD

### TRANSFORMERS

$\Delta$ T6700	RTRNZA031WJZZQ	J	Transformer	AQ
$\Delta$ T6701	RTRNZA032WJZZQ	J	Transformer	AQ
$\Delta$ T6702	RTRNZA032WJZZQ	J	Transformer	AQ
$\Delta$ T6703	RTRNZA032WJZZQ	J	Transformer	AQ
$\Delta$ T6704	RTRNZA031WJZZQ	J	Transformer	AQ

### CAPACITORS

C6700	RC-FZA125WJZZ	J	0.09	250V	Film	AD
C6701	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6703	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6704	RC-EZA010WJZZ	J	1000	16V	Electrolytic	AD
C6705	RC-FZA125WJZZ	J	0.09	250V	Film	AD
C6706	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6708	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6709	RC-EZA010WJZZ	J	1000	16V	Electrolytic	AD
C6710	RC-KZ0072TAZZY	J	1	25V	Ceramic	AC
C6711	RC-KZ0072TAZZY	J	1	25V	Ceramic	AC
C6712	RC-FZA125WJZZ	J	0.09	250V	Film	AD
C6713	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6715	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6716	RC-EZA010WJZZ	J	1000	16V	Electrolytic	AD
C6717	RC-FZA125WJZZ	J	0.09	250V	Film	AD
C6718	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6720	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6721	RC-EZA010WJZZ	J	1000	16V	Electrolytic	AD
C6722	RC-KZ0072TAZZY	J	1	25V	Ceramic	AC
C6723	RC-KZ0072TAZZY	J	1	25V	Ceramic	AC
C6724	RC-FZA125WJZZ	J	0.09	250V	Film	AD
C6725	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6727	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6728	RC-EZA010WJZZ	J	1000	16V	Electrolytic	AD
C6729	RC-KZ0072TAZZY	J	1	25V	Ceramic	AC

### RESISTORS

R6700	VRS-TW2ED122JY	J	1.2k	1/4W	Metal Oxide	AA
R6701	VRS-TW2ED122JY	J	1.2k	1/4W	Metal Oxide	AA
R6702	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R6703	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R6704	VRS-TW2ED122JY	J	1.2k	1/4W	Metal Oxide	AA
R6705	VRS-TW2ED122JY	J	1.2k	1/4W	Metal Oxide	AA
R6706	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R6707	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R6708	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R6709	VRS-CY1JF824JY	J	820k	1/16W	Metal Oxide	AA
R6710	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R6711	VRS-CY1JF824JY	J	820k	1/16W	Metal Oxide	AA
R6712	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R6713	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R6714	VRS-TW2ED122JY	J	1.2k	1/4W	Metal Oxide	AA
R6715	VRS-TW2ED122JY	J	1.2k	1/4W	Metal Oxide	AA
R6716	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R6717	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R6718	VRS-TW2ED122JY	J	1.2k	1/4W	Metal Oxide	AA
R6719	VRS-TW2ED122JY	J	1.2k	1/4W	Metal Oxide	AA
R6720	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R6721	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R6722	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA



Ref. No. Part No. ★ Description Code

**DUNTKB983WE03  
INVERTER UNIT (Continued)**

R6723	VRS-CY1JF824JY	J	820k 1/16W	Metal Oxide	AA
R6724	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide	AA
R6725	VRS-CY1JF824JY	J	820k 1/16W	Metal Oxide	AA
R6726	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide	AA
R6727	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide	AA
R6728	VRS-TW2ED122JY	J	1.2k 1/4W	Metal Oxide	AA
R6729	VRS-TW2ED122JY	J	1.2k 1/4W	Metal Oxide	AA
R6730	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide	AA
R6731	VRS-CY1JF333JY	J	33k 1/16W	Metal Oxide	AA
R6732	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide	AA
R6733	VRS-CY1JF824JY	J	820k 1/16W	Metal Oxide	AA
R6734	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide	AA
R6743	VRS-CY1JF563JY	J	5.6k 1/16W	Metal Oxide	AA
R6759	VRS-TW2ED000JY	J	0 1/4W	Metal Oxide	AB

**MISCELLANEOUS PARTS**

△ F6700	QFS-D0006CEZZ	J	Fuse, 1.25A/250V		AF
△ F6701	QFS-D0006CEZZ	J	Fuse, 1.25A/250V		AF
△ F6702	QFS-D0006CEZZ	J	Fuse, 1.25A/250V		AF
△ F6703	QFS-D0006CEZZ	J	Fuse, 1.25A/250V		AF
△ F6704	QFS-D0006CEZZ	J	Fuse, 1.25A/250V		AF
FH6700	QFSDH1002CEZZ	J	Fuse Holder		AA
FH6701	QFSDH1002CEZZ	J	Fuse Holder		AA
FH6702	QFSDH1002CEZZ	J	Fuse Holder		AA
FH6703	QFSDH1002CEZZ	J	Fuse Holder		AA
FH6704	QFSDH1002CEZZ	J	Fuse Holder		AA
FH6705	QFSDH1002CEZZ	J	Fuse Holder		AA
FH6706	QFSDH1002CEZZ	J	Fuse Holder		AA
FH6707	QFSDH1002CEZZ	J	Fuse Holder		AA
FH6708	QFSDH1002CEZZ	J	Fuse Holder		AA
FH6709	QFSDH1002CEZZ	J	Fuse Holder		AA
P6700	QSOCFA001WJZZY	J	Socket, 3-pin		AC
P6701	QSOCFA001WJZZY	J	Socket, 3-pin		AC
P6702	QSOCFA001WJZZY	J	Socket, 3-pin		AC
P6703	QSOCFA001WJZZY	J	Socket, 3-pin		AC
P6704	QSOCFA001WJZZY	J	Socket, 3-pin		AC
P6706	QPLGN1078GEZZ	J	Plug, 10-pin		AC

Ref. No. Part No. ★ Description Code

**DUNTKB984WE03  
TUNER UNIT**

**TUNER**

**NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.**

TU2201	VTUVT4T5FD532	J	Tuner		BK
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**INTEGRATED CIRCUITS**

IC350	VHIBH3543F+-1Y	J	BH3543F-E2		AE
IC1900	RH-iX1853BMZZQ	J	MSP3410G-QG-B8		BB
IC1901	VHINJM4560M-1Y	J	NJM4560M		AG
IC1902	VHINJM4560M-1Y	J	NJM4560M		AG
IC1903	VHINJM4560M-1Y	J	NJM4560M		AG
IC1904	VHINJM4560M-1Y	J	NJM4560M		AG
IC2201	VHIMM1506XN-1Y	J	MM1506XNRE		AD
IC3301	VHILA4635A+-1S	J	LA4635A		AM
IC3500	VHINJM4560M-1Y	J	NJM4560M		AG
IC3701	VHINJM2377M-1Y	J	NJM2377M		AK
IC3702	VHINJM2147M-1Y	J	NJM2147M-TE1		AF

**TRANSISTORS**

Q350	VSDTC144EKA-1Y	J	DTC144EKA		AB
Q351	VSFMMT718/-1Y	J	FMMT718		AE
Q2201	VSUMZ1N///-1Y	J	UMZ1N		AB
Q2202	VSUMZ1N///-1Y	J	UMZ1N		AB
Q2203	VS2SC3928AR-1Y	J	2SC3928AR		AB
Q2204	VS2SC3928AR-1Y	J	2SC3928AR		AB
Q2205	VS2SC3928AR-1Y	J	2SC3928AR		AB
Q2206	VS2SC3928AR-1Y	J	2SC3928AR		AB
Q3300	VS2SC3928AR-1Y	J	2SC3928AR		AB
Q3301	VSDTC314TK/-1Y	J	DTC314TK		AC
Q3302	VSDTA144EE/-1Y	J	DTA144EE		AA
Q3303	VSDTC314TK/-1Y	J	DTC314TK		AC
Q3304	VSDTC314TK/-1Y	J	DTC314TK		AC
Q3600	VSDTC114YE/-1Y	J	DTC114YE		AB
Q3601	VSDTC114YE/-1Y	J	DTC114YE		AB
Q3701	VSUMH6N++++-1Y	S	UMH6N		AB
Q3702	VSFMMT718/-1Y	J	FMMT718		AE
Q3703	VSFMMT718/-1Y	J	FMMT718		AE
Q3705	VSFMY3////-1Y	J	FMY3		AB
Q3706	VS2SK2503/-1Y	J	2SK2503		AE
Q3707	VSFMMT619/-1Y	J	FMMT619		AE
Q3708	VS2SC3928AR-1Y	J	2SC3928AR		AB
Q3709	VSFMY3////-1Y	J	FMY3		AB
Q3901	VS2SA1530AR-1Y	J	2SA1530AR		AB
Q3902	VSUMZ1N///-1Y	J	UMZ1N		AB
Q3903	VSDTC314TK/-1Y	J	DTC314TK		AC
Q3904	VSDTC314TK/-1Y	J	DTC314TK		AC
Q3905	VSDTC314TK/-1Y	J	DTC314TK		AC
Q3906	VSDTC314TK/-1Y	J	DTC314TK		AC

**DIODES**

D350	VHDDAN222//-1Y	J	Diode		AA
D351	VHDMA3120WA-1Y	J	Diode		AD
D352	VHDMA3120WA-1Y	J	Diode		AD
D1901	RH-EX1271CEZZY	J	Zener Diode, 12V		AB
D2201	RH-EXA101WJZZY	J	Zener Diode		AA
D2202	RH-EX1264CEZZY	J	Zener Diode		AB
D3300	VHDDAN222//-1Y	J	Diode		AA
D3301	RH-EX1396CEZZY	J	Zener Diode, 6.8V		AB
D3604	RH-EX1283CEZZY	J	Zener Diode, 18V		AB
D3605	RH-EX1283CEZZY	J	Zener Diode, 18V		AB
D3702	VHDDAN222//-1Y	J	Diode		AA
D3705	VHDSFPB56//2EY	J	Diode		AC
D3706	VHDSFPB74//2EY	J	Diode		AD
D3707	VHDSFPB74//2EY	J	Diode		AD
D3709	VHDDAN222//-1Y	J	Diode		AA
D3710	VHD1SS250//1EY	J	Diode		AB
D3711	VHDDAN222//-1Y	J	Diode		AA
D3901	VHDDAN222//-1Y	J	Diode		AA
D3902	VHDDAN222//-1Y	J	Diode		AA
D3903	RH-EX1247CEZZY	J	Zener Diode, 5.6V		AB
D3904	RH-EX1247CEZZY	J	Zener Diode, 5.6V		AB

Ref. No.	Part No.	★	Description	Code
<b>DUNTKB984WE03 TUNER UNIT (Continued)</b>				
D3905	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3906	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3907	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3908	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3909	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3910	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4008	RH-EX1283CEZZY	J	Zener Diode	AB
D4009	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4010	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D5000	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D5001	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D5002	RH-EX1271CEZZY	J	Zener Diode, 12V	AB

**PACKAGED CIRCUITS**

X1900	RCRSBO250GEZZ	J	Crystal, 18.432MHz	AG
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**COILS**

L1900	VPCGM101M2R1NY	J	Peaking 100µH	AB
L1901	VPCGM4R7MR13NY	J	Peaking 4.7µH	AB
L2201	VPCGM100MR25NY	J	Peaking 10µH	AB
L2202	VP-1M5R6J1R2NY	J	Peaking 5.6µH	AB
L2203	VP-1M3R3JR93NY	J	Peaking 3.3µH	AB
L2204	VP-1M4R7J1R2NY	J	Peaking 4.7µH	AB
L2205	VP-1M2R7JR85NY	J	Peaking 2.7µH	AB
L2206	VP-1M4R7J1R2NY	J	Peaking 4.7µH	AB
L2207	VP-1M100J1R6NY	J	Peaking 10µH	AB
L2208	RCILPA142WJZZ	J	Coil	AD
L2209	VP-1M100J1R6NY	J	Peaking 10µH	AB
L3301	RCILFA069WJZZ	J	Coil	AH
L3701	RCILPA026WJZZ	J	Coil	AD
L3702	RCILPA144WJZZ	J	Coil	AD
L3703	RCILPA143WJZZ	J	Coil	AD
L3704	RCILPA026WJZZ	J	Coil	AD

**TRANSFORMER**

△ T3701	RTRNWA090WJZZY	J	Transformer	AH
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**CONTROL**

R3714	RVR-M0111CEZZY	J	1k(B) +B Adj.	AC
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**CAPACITORS**

C350	RC-EZA126WJZZY	J	47 16V Electrolytic	AC
C351	RC-EZA124WJZZY	J	10 16V Electrolytic	AB
C352	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C353	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C354	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C355	RC-KZ0075TAZZY	J	2.2 16V Ceramic	AC
C356	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C357	RC-EZA126WJZZY	J	47 16V Electrolytic	AC
C358	RC-KZ0044TAZZY	J	4.7 10V Ceramic	AD
C359	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C360	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C361	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C370	RC-KZA043WJZZY	J	10 6.3V Ceramic	AC
C1900	RC-EZ0417CEZZY	J	150 16V Electrolytic	AD
C1901	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C1902	VCCCCY1HH5R0CY	J	5p 50V Ceramic	AA
C1903	VCCCCY1HH5R0CY	J	5p 50V Ceramic	AA
C1904	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C1905	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C1906	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1907	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C1908	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C1909	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1910	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C1911	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C1912	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1913	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1914	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C1915	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C1916	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA

C1917	RC-EZ0417CEZZY	J	150 16V Electrolytic	AD
C1918	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1919	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1920	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C1921	RC-EZA130WJZZY	J	3.3 50V Electrolytic	AB
C1922	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1923	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C1924	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C1925	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1926	RC-EZ0417CEZZY	J	150 16V Electrolytic	AD
C1927	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1928	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1930	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C1931	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C1932	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1933	RC-KZ0044TAZZY	J	4.7 10V Ceramic	AD
C1934	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1935	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C1936	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C1937	RC-KZ0044TAZZY	J	4.7 10V Ceramic	AD
C1938	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1939	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1941	VCKYCY1CB473KY	J	0.047 16V Ceramic	AA
C1942	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C1943	VCKYCY1CB473KY	J	0.047 16V Ceramic	AA
C1944	VCKYCY1CB473KY	J	0.047 16V Ceramic	AA
C1945	VCKYCY1CB473KY	J	0.047 16V Ceramic	AA
C1946	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
C1948	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
C1949	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
C1950	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
C1951	RC-EZA126WJZZY	J	47 16V Electrolytic	AC
C1952	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
C1953	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
C1956	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1957	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1960	VCKYCY1HB272KY	J	2700p 50V Ceramic	AA
C1961	VCKYCY1HB272KY	J	2700p 50V Ceramic	AA
C1963	VCKYCY1HB272KY	J	2700p 50V Ceramic	AA
C1964	VCKYCY1EB153KY	J	0.015 25V Ceramic	AA
C1965	VCKYCY1EB153KY	J	0.015 25V Ceramic	AA
C1967	VCKYCY1HB272KY	J	2700p 50V Ceramic	AA
C2201	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2202	RC-EZA123WJZZY	J	100 6.3V Electrolytic	AC
C2203	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2204	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C2205	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C2206	VCEASH1CN477MY	J	470 16V Electrolytic	AD
C2207	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2208	VCKYCY1HF103ZY	J	0.01 50V Ceramic	AA
C2209	RC-EZA128WJZZY	J	1 50V Electrolytic	AB
C2210	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2211	VCCCCY1HH121JY	J	120p 50V Ceramic	AA
C2212	VCCCCY1HH820JY	J	82p 50V Ceramic	AA
C2213	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C2214	VCCCCY1HH180JY	J	18p 50V Ceramic	AA
C2215	VCCCCY1HH121JY	J	120p 50V Ceramic	AA
C2216	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2217	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2218	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2219	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2220	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C2221	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2222	VCEASH1CN477MY	J	470 16V Electrolytic	AD
C2223	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2224	RC-EZ1351CEZZ	J	3300 6.3V Electrolytic	AF
C2225	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3300	RC-EZ1274CEZZ	J	1000 16V Electrolytic	AD
C3301	RC-EZ1274CEZZ	J	1000 16V Electrolytic	AD
C3302	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C3304	RC-EZA124WJZZY	J	10 16V Electrolytic	AB
C3305	RC-EZA127WJZZY	J	100 16V Electrolytic	AC
C3306	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3307	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3308	RC-EZA128WJZZY	J	1 50V Electrolytic	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
<b>DUNTKB984WE03 TUNER UNIT (Continued)</b>									
C3309	RC-EZA128WJZZY	J	1	50V Electrolytic	AB				
C3310	VCKYCY1HB102KY	J	1000p	50V Ceramic	AA				
C3312	RC-KZA041WJZZY	J	10	10V Ceramic	AC				
C3313	RC-EZA129WJZZY	J	2.2	50V Electrolytic	AB				
C3314	RC-EZA129WJZZY	J	2.2	50V Electrolytic	AB				
C3315	VCEASH1CN337MY	J	330	16V Electrolytic	AE				
C3500	VCKYCY1EB223KY	J	0.022	25V Ceramic	AA				
C3501	VCKYCY1EB223KY	J	0.022	25V Ceramic	AA				
C3502	VCCCCY1HH101JY	J	100p	50V Ceramic	AA				
C3503	RC-KZ0044TAZZY	J	4.7	10V Ceramic	AD				
C3504	VCCCCY1HH101JY	J	100p	50V Ceramic	AA				
C3505	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA				
C3506	RC-EZ0417CEZZY	J	150	16V Electrolytic	AD				
C3507	RC-KZ0044TAZZY	J	4.7	10V Ceramic	AD				
C3508	RC-KZA041WJZZY	J	10	10V Ceramic	AC				
C3509	VCKYTV1CF105ZY	J	1	16V Ceramic	AB				
C3510	VCKYTV1CF105ZY	J	1	16V Ceramic	AB				
C3511	VCKYCY1HB682KY	J	6800p	50V Ceramic	AA				
C3512	VCKYCY1HB682KY	J	6800p	50V Ceramic	AA				
C3604	VCKYCY1HB332KY	J	3300p	50V Ceramic	AA				
C3702	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA				
C3703	RC-KZ1025CEZZY	J	1	10V Ceramic	AB				
C3705	VCKYCY1EB103KY	J	0.01	25V Ceramic	AA				
C3706	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA				
C3708	RC-EZA140WJZZY	J	4.7	25V Electrolytic	AB				
C3709	VCEAPT1CN226MY	J	22	16V Electrolytic	AC				
C3710	VCCCCY1HH471JY	J	470p	50V Ceramic	AA				
C3711	VCKYCY1HB562KY	J	5600p	50V Ceramic	AA				
C3712	RC-KZ1025CEZZY	J	1	10V Ceramic	AB				
C3713	VCAAPF1CJ826MY	J	82	16V Electrolytic	AG				
C3714	VCKYCY1HB562KY	J	5600p	50V Ceramic	AA				
C3715	VCCCCY1HH181JY	J	180p	50V Ceramic	AA				
C3716	VCEASH1HN476MY	J	47	50V Electrolytic	AD				
C3717	VCEASH1CN337MY	J	330	16V Electrolytic	AE				
C3718	VCKYTV1CF105ZY	J	1	16V Ceramic	AB				
C3719	VCEASH1CN337MY	J	330	16V Electrolytic	AE				
C3721	VCKYCY1HF104ZY	J	0.1	50V Ceramic	AA				
C3722	VCKYTV1CF105ZY	J	1	16V Ceramic	AB				
C3723	VCAAPF0JJ157MY	J	150	6.3V Electrolytic	AG				
C3724	VCKYTV1CF105ZY	J	1	16V Ceramic	AB				
C3726	VCEASH1CN477MY	J	470	16V Electrolytic	AD				
C3727	RC-EZ1339CEZZY	J	220	16V Electrolytic	AD				
C3728	VCKYTV1CF105ZY	J	1	16V Ceramic	AB				
C3729	VCKYCY1HF104ZY	J	0.1	50V Ceramic	AA				
C3730	VCKYCY1HF104ZY	J	0.1	50V Ceramic	AA				
C3731	RC-KZ1025CEZZY	J	1	10V Ceramic	AB				
C3732	RC-KZ1025CEZZY	J	1	10V Ceramic	AB				
C3733	VCKYCY1HF103ZY	J	0.01	50V Ceramic	AA				
C3734	RC-KZ0075TAZZY	J	2.2	16V Ceramic	AC				
C3735	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA				
C3736	RC-KZ1025CEZZY	J	1	10V Ceramic	AB				
C3737	RC-EZA127WJZZY	J	100	16V Electrolytic	AC				
C3901	RC-EZA123WJZZY	J	100	6.3V Electrolytic	AC				
C3902	RC-EZA126WJZZY	J	47	16V Electrolytic	AC				
C3903	RC-KZA041WJZZY	J	10	10V Ceramic	AC				
C3904	RC-KZA041WJZZY	J	10	10V Ceramic	AC				
C3905	RC-EZA126WJZZY	J	47	16V Electrolytic	AC				
C3906	VCCCCY1HH331JY	J	330p	50V Ceramic	AA				
C3907	RC-KZA041WJZZY	J	10	10V Ceramic	AC				
C3908	RC-KZA041WJZZY	J	10	10V Ceramic	AC				
C3909	VCCCCY1HH221JY	J	220p	50V Ceramic	AA				
C3910	VCCCCY1HH331JY	J	330p	50V Ceramic	AA				
C3911	VCCCCY1HH221JY	J	220p	50V Ceramic	AA				
C3912	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA				
C3913	VCCCCY1HH101JY	J	100p	50V Ceramic	AA				
C3914	VCCCCY1HH101JY	J	100p	50V Ceramic	AA				
C3915	VCCCCY1HH101JY	J	100p	50V Ceramic	AA				
C3916	VCCCCY1HH101JY	J	100p	50V Ceramic	AA				
C3917	VCCCCY1HH101JY	J	100p	50V Ceramic	AA				
C3918	VCCCCY1HH101JY	J	100p	50V Ceramic	AA				
C5000	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA				
					<b>RESISTORS</b>				
C5001	VCCCCY1HH101JY	J	100p	50V Ceramic	AA	R352	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide AA
C5002	VCCCCY1HH101JY	J	100p	50V Ceramic	AA	R354	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide AA
C6513	VCKYCY1HB332KY	J	3300p	50V Ceramic	AA	R356	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide AA
						R357	VRS-CY1JF000JY	J	0 1/16W Metal Oxide AA
						R358	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide AA
						R359	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide AA
						R360	VRS-CJ1JF392JY	S	3.9k 1/16W Metal Oxide AA
						R361	VRS-CY1JF000JY	J	0 1/16W Metal Oxide AA
						R362	VRS-TW2HF220JY	J	22 1/2W Metal Oxide AA
						R363	VRS-TW2HF220JY	J	22 1/2W Metal Oxide AA
						R364	VRS-CY1JF000JY	J	0 1/16W Metal Oxide AA
						R1900	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide AA
						R1901	VRS-CJ1JF472JY	J	4.7k 1/16W Metal Oxide AA
						R1902	VRS-CJ1JF101JY	J	100 1/16W Metal Oxide AA
						R1903	VRS-CJ1JF473JY	S	47k 1/16W Metal Oxide AA
						R1904	VRS-CY1JF101JY	J	100 1/16W Metal Oxide AA
						R1905	VRS-CJ1JF102JY	J	1k 1/16W Metal Oxide AA
						R1906	VRS-CJ1JF471JY	S	470 1/16W Metal Oxide AA
						R1907	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide AA
						R1908	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide AA
						R1909	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide AA
						R1910	VRS-CJ1JF104JY	S	100k 1/16W Metal Oxide AA
						R1912	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide AA
						R1913	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide AA
						R1915	VRS-CJ1JF473JY	S	47k 1/16W Metal Oxide AA
						R1917	VRS-CY1JF683FY	J	68k 1/16W Metal Oxide AA
						R1919	VRS-CY1JF683FY	J	68k 1/16W Metal Oxide AA
						R1920	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide AA
						R1922	VRS-CY1JF153FY	J	15k 1/16W Metal Oxide AA
						R1923	VRS-CY1JF153FY	J	15k 1/16W Metal Oxide AA
						R1926	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide AA
						R1927	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide AA
						R1928	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide AA
						R1929	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide AA
						R1930	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide AA
						R1932	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide AA
						R1933	VRS-CY1JF392FY	J	3.9k 1/16W Metal Oxide AA
						R1934	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide AA
						R1935	VRS-CY1JF392FY	J	3.9k 1/16W Metal Oxide AA
						R1936	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide AA
						R1937	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide AA
						R1938	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide AA
						R1939	VRS-CY1JF000JY	J	0 1/16W Metal Oxide AA
						R1942	VRS-CY1JF000JY	J	0 1/16W Metal Oxide AA
						R1943	VRS-CY1JF000JY	J	0 1/16W Metal Oxide AA
						R1947	VRS-CY1JF000JY	J	0 1/16W Metal Oxide AA
						R1948	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide AA
						R1949	VRS-CY1JF223FY	J	22k 1/16W Metal Oxide AA
						R1950	VRS-CY1JF223FY	J	22k 1/16W Metal Oxide AA
						R1951	VRS-CY1JF223FY	J	22k 1/16W Metal Oxide AA
						R1952	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide AA
						R1953	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide AA
						R1955	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide AA
						R1957	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide AA
						R1959	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide AA
						R1960	VRS-CY1JF223FY	J	22k 1/16W Metal Oxide AA
						R1961	VRS-CY1JF000JY	J	0 1/16W Metal Oxide AA
						R1962	VRS-CY1JF221JY	J	220 1/16W Metal Oxide AA
						R2201	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide AA
						R2202	VRS-CY1JF561FY	J	560 1/16W Metal Oxide AA
						R2203	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide AA
						R2204	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide AA
						R2205	VRS-CY1JF561FY	J	560 1/16W Metal Oxide AA
						R2206	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide AA
						R2207	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide AA
						R2209	VRS-CY1JF101JY	J	100 1/16W Metal Oxide AA
						R2210	VRS-CY1JF101JY	J	100 1/16W Metal Oxide AA
						R2211	VRS-TW2ED000JY	J	0 1/4W Metal Oxide AB

Ref. No.	Part No.	★	Description	Code
<b>DUNTKB984WE03</b>				
<b>TUNER UNIT (Continued)</b>				
R2214	VRS-TW2HF1R0JY	J 1	1/2W Metal Oxide	AA
R2215	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2216	VRS-CY1JF561JY	J 560	1/16W Metal Oxide	AA
R2217	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2218	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2219	VRS-CY1JF222JY	J 2.2k	1/16W Metal Oxide	AA
R2220	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA
R2221	VRS-CY1JF471JY	J 470	1/16W Metal Oxide	AA
R2222	VRS-TW2HF471JY	J 470	1/2W Metal Oxide	AA
R2223	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA
R2224	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA
R2225	VRS-CY1JF221JY	J 220	1/16W Metal Oxide	AA
R2226	VRS-CY1JF222JY	J 2.2k	1/16W Metal Oxide	AA
R2227	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2228	VRS-CY1JF222JY	J 2.2k	1/16W Metal Oxide	AA
R2229	VRS-CY1JF221JY	J 220	1/16W Metal Oxide	AA
R3300	VRS-TW2HF000JY	J 0	1/2W Metal Oxide	AA
R3301	VRS-CY1JF122JY	J 1.2k	1/16W Metal Oxide	AA
R3302	VRS-TW2HF000JY	J 0	1/2W Metal Oxide	AA
R3304	VRS-CY1JF153JY	J 15k	1/16W Metal Oxide	AA
R3305	VRS-CY1JF562JY	J 5.6k	1/16W Metal Oxide	AA
R3306	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R3307	VRS-CY1JF682JY	J 6.8k	1/16W Metal Oxide	AA
R3309	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3310	VRS-TW2HF000JY	J 0	1/2W Metal Oxide	AA
R3311	VRS-CJ1JF332JY	J 3.3k	1/16W Metal Oxide	AA
R3312	VRS-CJ1JF272JY	J 2.7k	1/16W Metal Oxide	AA
R3313	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R3500	VRS-CJ1JF471JY	S 470	1/16W Metal Oxide	AA
R3501	VRS-CJ1JF102JY	J 1k	1/16W Metal Oxide	AA
R3502	VRS-CY1JF122JY	J 1.2k	1/16W Metal Oxide	AA
R3503	VRS-CY1JF682JY	J 6.8k	1/16W Metal Oxide	AA
R3504	VRS-CY1JF122JY	J 1.2k	1/16W Metal Oxide	AA
R3505	VRS-CY1JF473JY	J 47k	1/16W Metal Oxide	AA
R3506	VRS-CY1JF153JY	J 15k	1/16W Metal Oxide	AA
R3507	VRS-CY1JF682JY	J 6.8k	1/16W Metal Oxide	AA
R3508	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R3509	VRS-CY1JF473JY	J 47k	1/16W Metal Oxide	AA
R3510	VRS-CJ1JF102JY	J 1k	1/16W Metal Oxide	AA
R3605	VRS-TW2ED000JY	J 0	1/4W Metal Oxide	AB
R3607	VRS-CY1JF153JY	J 15k	1/16W Metal Oxide	AA
R3701	VRS-TW2ED102JY	J 1k	1/4W Metal Oxide	AA
R3703	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R3705	VRS-TW2ED1R0JY	J 1	1/4W Metal Oxide	AB
R3706	VRS-CY1JF682JY	J 6.8k	1/16W Metal Oxide	AA
R3707	VRS-CY1JF332FY	J 3.3k	1/16W Metal Oxide	AA
R3708	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R3709	VRS-CY1JF105JY	J 1M	1/16W Metal Oxide	AA
R3711	VRS-CY1JF274JY	J 270k	1/16W Metal Oxide	AA
R3712	VRS-CY1JF133FY	J 13k	1/16W Metal Oxide	AA
R3713	VRS-TW2ED102JY	J 1k	1/4W Metal Oxide	AA
R3715	VRS-CY1JF272JY	J 2.7k	1/16W Metal Oxide	AA
R3716	VRS-CY1JF273FY	J 27k	1/16W Metal Oxide	AA
R3717	VRS-CY1JF100JY	J 10	1/16W Metal Oxide	AA
R3718	VRS-CY1JF184JY	J 180k	1/16W Metal Oxide	AA
R3719	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
R3720	VRS-TW2HF000JY	J 0	1/2W Metal Oxide	AA
R3722	VRS-TW2HF152JY	J 1.5k	1/2W Metal Oxide	AA
R3723	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R3725	VRS-TW2HF152JY	J 1.5k	1/2W Metal Oxide	AA
R3728	VRS-TV1JD103JY	J 10k	1/10W Metal Oxide	AA
R3729	VRS-CY1JF1R0JY	J 1	1/16W Metal Oxide	AA
R3731	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3734	VRS-TQ2BD683JY	J 68k	1/8W Metal Oxide	AA
R3735	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R3737	VRS-TW2ED561JY	J 560	1/4W Metal Oxide	AA
R3738	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
R3739	VRS-CY1JF222JY	J 2.2k	1/16W Metal Oxide	AA
R3740	VRS-CY1JF182FY	J 1.8k	1/16W Metal Oxide	AA
R3741	VRS-CY1JF122FY	J 1.2k	1/16W Metal Oxide	AA
R3742	VRS-CY1JF682FY	J 6.8k	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R3743	VRS-CY1JF122FY	J 1.2k	1/16W Metal Oxide	AA
R3744	VRS-CY1JF243FY	J 24k	1/16W Metal Oxide	AA
R3745	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R3746	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R3747	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
R3748	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R3749	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R3750	VRS-CY1JF391JY	J 390	1/16W Metal Oxide	AA
R3751	VRS-CY1JF273FY	J 27k	1/16W Metal Oxide	AA
R3752	VRS-CY1JF273FY	J 27k	1/16W Metal Oxide	AA
R3753	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R3754	VRS-TV1JD103JY	J 10k	1/10W Metal Oxide	AA
R3755	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R3756	VRS-CY1JF222JY	J 2.2k	1/16W Metal Oxide	AA
R3902	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R3903	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3904	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R3905	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R3906	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R3907	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R3908	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R3909	VRS-CJ1JF271JY	S 270	1/16W Metal Oxide	AA
R3910	VRS-CJ1JF104JY	S 100k	1/16W Metal Oxide	AA
R3911	VRS-CY1JF823JY	J 82k	1/16W Metal Oxide	AA
R3912	VRS-CJ1JF104JY	S 100k	1/16W Metal Oxide	AA
R3913	VRS-CJ1JF271JY	S 270	1/16W Metal Oxide	AA
R3914	VRS-CJ1JF101JY	J 100	1/16W Metal Oxide	AA
R3915	VRS-CJ1JF103JY	J 10k	1/16W Metal Oxide	AA
R3916	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3917	VRS-TQ2BD750JY	J 75	1/8W Metal Oxide	AA
R3918	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3919	VRS-TQ2BD750JY	J 75	1/8W Metal Oxide	AA
R3920	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3921	VRS-TQ2BD750JY	J 75	1/8W Metal Oxide	AA
R3922	VRS-CY1JF750JY	J 75	1/16W Metal Oxide	AA
R3923	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R3924	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3925	VRS-TQ2BD750JY	J 75	1/8W Metal Oxide	AA
R3926	VRS-TQ2BD750JY	J 75	1/8W Metal Oxide	AA
R3927	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R3928	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3929	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3930	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3931	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3932	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R4011	VRS-CY1JF473JY	J 47k	1/16W Metal Oxide	AA
R4012	VRS-CY1JF333JY	J 33k	1/16W Metal Oxide	AA
R4015	VRS-CY1JF473JY	J 47k	1/16W Metal Oxide	AA
R4016	VRS-CY1JF333JY	J 33k	1/16W Metal Oxide	AA
R5000	VRS-TQ2BD750JY	J 75	1/8W Metal Oxide	AA
R5001	VRS-TQ2BD750JY	J 75	1/8W Metal Oxide	AA
R5002	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R5003	VRS-CJ1JF473JY	S 47k	1/16W Metal Oxide	AA
R5004	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R5005	VRS-TQ2BD750JY	J 75	1/8W Metal Oxide	AA
R5006	VRS-CJ1JF101JY	J 100	1/16W Metal Oxide	AA
R5007	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R5008	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R5009	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R5010	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R5012	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R5013	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R6518	VRS-CY1JF153JY	J 15k	1/16W Metal Oxide	AA
<b>SWITCHES</b>				
S4001	QSW-PA011WJZZ	J	MAIN POWER	AF
SW4002	QSW-K0065GEZZY	J	CH(✓)	AD
SW4003	QSW-K0065GEZZY	J	CH(△)	AD
SW4004	QSW-K0065GEZZY	J	MENU	AD
SW4006	QSW-K0065GEZZY	J	TV/VIDEO	AD
SW4007	QSW-K0065GEZZY	J	VOL(+)	AD
SW4008	QSW-K0065GEZZY	J	VOL(-)	AD
<b>MISCELLANEOUS PARTS</b>				
△ F3301	QFS-D0008CEZZ	J	Fuse, 2A/250V	AE

Ref. No.	Part No.	★	Description	Code
<b>DUNTKB984WE03</b>				
<b>TUNER UNIT (Continued)</b>				
△ F3302	QFS-ZA002WJZZ	J	Fuse, 1.25A/250V	AD
FH3301	QFSDH1002CEZZ	J	Fuse Holder	AA
FH3302	QFSDH1002CEZZ	J	Fuse Holder	AA
FB350	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB351	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB352	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB3300	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3301	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3302	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3304	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3305	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3701	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB3702	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB3703	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB3705	RBLN-0051TAZZY	J	Ferrite Bead	AC
FB3707	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3708	RBLN-0051TAZZY	J	Ferrite Bead	AC
FB3709	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB5000	RBLN-0062CEZZY	J	Ferrite Bead	AC
J3300	QJAKCA010WJZZ	J	POWER INPUT DC 12V	AF
J3900	QJAKFA021WJZZ	S	AUDIO OUT(L/R)	AD
J5000	QSOCD0456CEZZ	J	S-VIDEO(AV-IN2)	AE
J5001	QJAKGA038WJZZ	J	AUDIO(L/R)/VIDEO(AV-IN2)	AE
P350	QPLGN0378GEZZ	J	Plug, 3-pin(TM)	AB
P3301	QPLGN0478GEZZ	J	Plug, 3-pin(TS)	AB
P3601	QPLGN1078GEZZ	J	Plug, 10pin	AC
SC3901	QSOCN0464FJZZY	J	Socket, 50-pin(MA)	AH
SC3902	QSOCA056WJZZ	S	AV-IN1(21-pin Euro-SCART)	AH
TP3300	QLUGHA006WJZZY	J	Lug	AA
TP3301	QLUGHA006WJZZY	J	Lug	AA
TP3701	QLUGHA006WJZZY	J	Lug	AA
	PSLDMA208WJFW	J	Shield	AD
	QCNW-B519WJQZ	J	Connecting Cord	AH
	LANGT9102CEFW	J	Fixing Metal	AF

Ref. No.	Part No.	★	Description	Code
<b>DUNTKB985WE03</b>				
<b>R/C, LED UNIT</b>				
<b>INTEGRATED CIRCUITS</b>				
IC4201	VHITPS850++-1Y	J	TPS850	AG
<b>TRANSISTORS</b>				
Q4001	VSDTC144EE/-1Y	J	DTC144EE	AA
Q4002	VSUMG4N++++-1Y	J	UMG4N	AB
Q4003	VSDTC144EE/-1Y	J	DTC144EE	AA
Q4004	VSDTC144EE/-1Y	J	DTC144EE	AA
<b>DIODES</b>				
D4001	RH-PX0421CEZZY	J	Power/Standby/ Remote Sensor Indicator	AD
D4002	RH-PX0421CEZZY	J	OPC Sensor Indicator	AD
D4004	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4005	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4006	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4007	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4011	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB
<b>CAPACITORS</b>				
C4001	RC-KZ0117TAZZY	J	4.7 6.3V Ceramic	AD
C4201	RC-EZA124WJZZY	J	10 16V Electrolytic	AB
C4202	RC-EZA123WJZZY	J	100 6.3V Electrolytic	AC
C4203	VCKYCY1HF103ZY	J	0.01 50V Ceramic	AA
<b>RESISTORS</b>				
R4001	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R4002	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4003	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4006	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R4007	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R4009	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
<b>MISCELLANEOUS PARTS</b>				
J4021	QJAKJ0068CEZZ	J	Headphone Jack	AG
P4001	QPLGN0958REZZY	J	Plug, 9-pin(MS)	AC
P4003	QPLGN0378GEZZ	J	Plug, 3-pin(TM)	AB
RMC4001	RRMCU0239CEZZ	J	R/C Receiver	AG
	QCNW-B780WJZZ	S	Connecting Cord	AC

Ref. No.	Part No.	*	Description	Code	Ref. No.	Part No.	*	Description	Code
<b>DUNTKB988FE03</b>									
<b>MAIN UNIT</b>									
<b>INTEGRATED CIRCUITS</b>									
IC702	VHIBA05FP++-1Y	J	BA05FP-E2	AF	D706	VHDDAN222//-1Y	J	Diode	AA
IC704	VHINJ79M08D-1Y	J	NJM79M08DL1A	AF	D707	VHDDAN222//-1Y	J	Diode	AA
IC705	VHINJU7662M-1Y	J	NJU7662M(TE2)	AL	D708	RH-EX1245CEZZY	J	Zener Diode, 5.1V	AB
IC706	VHiPQ1R34++-1Y	J	PQ1R34	AE	D709	VHDDAN222//-1Y	J	Diode	AA
IC707	VHiPQ1R33//-1Y	J	PQ1R33	AE	D710	VHDDAN202K/-1Y	J	Diode	AB
IC708	VHiLM1117MJ-1Y	J	LM1117MPX-ADJ	AF	D711	VHD1SS250//1EY	J	Diode	AB
IC709	VHiMM1562FF-1Y	J	MM1562FFBE	AE	D712	VHDDAN222//-1Y	J	Diode	AA
IC710	VHiMM1563DF-1Y	J	MM1563DFBE	AE	D713	VHDRB481K++-1Y	J	Diode	AD
IC801	VHiVPC3230D1EQ	J	VPC3230D-QA-B3	BD	D714	VHDRB491D++-1Y	J	Diode	AD
IC802	VHiNJM2293M-1Y	J	NJM2293M(TE1)	AG	D1101	VHD1SS250//1EY	J	Diode	AB
IC803	VHiNJM2268M-1Y	J	NJM2268M-TE1	AF	D1103	VHD1SS250//1EY	J	Diode	AB
IC804	VHiBA7046F/-1Y	J	BA7046F	AF	D1104	VHD1SS250//1EY	J	Diode	AB
IC805	VHiNJM2233V-1Y	J	NJM2233V	AE	D2001	RH-EX1232CEZZY	J	Zener Diode	AB
IC806	VHiMM1563DF-1Y	J	MM1563DFBE	AE	D2002	VHDDAN202K/-1Y	J	Diode	AB
IC1101	VHiBD8120FP-1Y	J	BD8120FP	AX	D2003	VHDDAN202K/-1Y	J	Diode	AB
IC1201	VHiDPS9450+-1Q	J	DPS9450A-XZ-A1	BD	D2004	VHDRB491D++-1Y	J	Diode	AD
IC1202	VHiTC4W66U/-1Y	J	TC4W66FU	AE	<b>PACKAGED CIRCUITS</b>				
IC1601	VHiSDA5550M-1Q	J	SDA5550M	AZ	X801	RCRSC0012CEZZY	J	Crystal, 20.25MHz	AH
IC1603	VHiPST3228N1EY	J	PST3228NR	AD	X1201	RCRSC0012CEZZY	J	Crystal	AH
IC1604	VHiMM1501XN-1Y	J	MM1501XNRE	AE	X1601	RCRSCA002WJZZY	J	Crystal	AG
IC1606	VHiPST3221N1EY	J	PST3221NR	AD	<b>FILTER AND COILS</b>				
IC1608	VHiNC7SZ58P-1Y	J	NC7SZ58P6X	AE	FL801	RFiLJA001WJZZY	J	Filter	AG
IC1611	RH-iXA745WJN1Q	J	M29W400BT70N6	AP	FL802	RFiLJA001WJZZY	J	Filter	AG
IC1612	VHi62S8308X-1Q	J	A62S8308X-70SI	AY	FL2001	RFiLZ0169TAZZY	J	Filter	AD
IC2001	RH-iXA661WJZZQ	J	I.C.	BA	L701	RCiLPA143WJZZY	J	Coil	AD
IC2003	VHiSi3010KM-1Y	J	SI-3010KM-TL	AF	L702	VP-1M470J5R4NY	J	Peaking 47µH	AC
IC2004	VHiMM1573DN-1Y	J	MM1573DNRE	AD	L801	RCiLPA143WJZZY	J	Coil	AD
IC2006	VHiBD4729G+-1Y	J	BD4729G-TR	AD	L802	RCiLPA143WJZZY	J	Coil	AD
IC2007	VHiBR24C32F-1Y	J	BR24C32F-E2	AH	L803	VP-9N3R3KR46NY	J	Peaking 3.3µH	AC
IC2009	VHiBR2416E2-1Y	J	BR24C16F	AK	L804	VP-9N3R3KR46NY	J	Peaking 3.3µH	AC
IC2010	VHiTC4W66U/-1Y	J	TC4W66FU	AE	L805	VP-9N3R3KR46NY	J	Peaking 3.3µH	AC
IC2011	VHiTC4W66U/-1Y	J	TC4W66FU	AE	L1201	VPCGM220M0R5NY	J	Peaking 22µH	AB
<b>TRANSISTORS</b>					L1202	VPCGM220M0R5NY	J	Peaking 22µH	AB
Q701	VS2SA1037KQ-1Y	J	2SA1037KQ	AA	L1203	VPCGM220M0R5NY	J	Peaking 22µH	AB
Q702	VSDTC144EE/-1Y	J	DTC144EE	AA	L1204	VPCGM220M0R5NY	J	Peaking 22µH	AB
Q703	VSFMMT718//-1Y	J	FMMT718	AE	L1601	VP-1M270J3R8NY	J	Peaking 27µH	AC
Q704	VSDTC144EE/-1Y	J	DTC144EE	AA	<b>CAPACITORS</b>				
Q705	VSUMX2N++++-1Y	J	UMX2N	AB	C701	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
Q801	VS2SA1530AR-1Y	J	2SA1530AR	AB	C702	RC-EZA127WJZZY	J	100 16V Electrolytic	AC
Q802	VS2SA1530AR-1Y	J	2SA1530AR	AB	C704	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
Q803	VS2SA1530AR-1Y	J	2SA1530AR	AB	C705	RC-EZA127WJZZY	J	100 16V Electrolytic	AC
Q1101	VSFMMT718//-1Y	J	FMMT718	AE	C707	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
Q1102	VS2SC4520//-1Y	J	2SC4520	AE	C708	VCEASK1CN227MY	J	220 16V Electrolytic	AC
Q1103	VS2SA1729//-1Y	J	2SA1729	AF	C709	RC-EZA123WJZZY	J	100 6.3V Electrolytic	AC
Q1104	VSDTC144EE/-1Y	J	DTC144EE	AA	C710	VCKYTV1CB105KY	J	1 16V Ceramic	AC
Q1105	VS2SC4520//-1Y	J	2SC4520	AE	C711	VCKYTV1CB105KY	J	1 16V Ceramic	AC
Q1106	VS2SA1729//-1Y	J	2SA1729	AF	C712	RC-KZ0075TAZZY	J	2.2 16V Ceramic	AC
Q1206	VSDTC144EE/-1Y	J	DTC144EE	AA	C713	RC-EZA132WJZZY	J	10 50V Electrolytic	AC
Q1601	VS2SA1530AR-1Y	J	2SA1530AR	AB	C714	RC-KZA041WJZZY	J	10 10V Ceramic	AC
Q1602	VS2SA1530AR-1Y	J	2SA1530AR	AB	C715	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
Q1603	VSDTC144TE/-1Y	J	DTC144EE	AB	C716	VCKYTV1CB105KY	J	1 16V Ceramic	AC
Q1604	VS2SA1530AR-1Y	J	2SA1530AR	AB	C717	RC-KZA041WJZZY	J	10 10V Ceramic	AC
Q1605	VS2SC3928AR-1Y	J	2SC3928AR	AB	C718	VCKYTV1CB105KY	J	1 16V Ceramic	AC
Q1606	VS2SA1530AR-1Y	J	2SA1530AR	AB	C719	RC-KZA041WJZZY	J	10 10V Ceramic	AC
Q1607	VS2SA1530AR-1Y	J	2SA1530AR	AB	C720	RC-EZA132WJZZY	J	10 50V Electrolytic	AC
Q2001	VSUM5K1NTR+-1Y	J	UM5K1NTR	AC	C721	RC-KZA041WJZZY	J	10 10V Ceramic	AC
Q2005	VSDTC114EE/-1Y	J	DTC114EE	AB	C722	RC-KZA041WJZZY	J	10 10V Ceramic	AC
Q2006	VSDTC114EE/-1Y	J	DTC114EE	AB	C723	RC-EZA132WJZZY	J	10 50V Electrolytic	AC
Q2007	VSUPA606T//-1Y	J	UPA606T	AD	C724	VCKYTV1CB105KY	J	1 16V Ceramic	AC
Q2008	VSDTC114EE/-1Y	J	DTC114EE	AB	C725	RC-KZA041WJZZY	J	10 10V Ceramic	AC
Q2009	VSUPA606T//-1Y	J	UPA606T	AD	C726	RC-EZA123WJZZY	J	100 6.3V Electrolytic	AC
Q2011	VSUPA606T//-1Y	J	UPA606T	AD	C727	VCEASH0JN227MY	J	220 6.3V Electrolytic	AC
<b>DIODES</b>					C728	VCKYCY1CF334ZY	J	0.33 16V Ceramic	AB
D701	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C729	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D702	VHDDAN222//-1Y	J	Diode	AA	C730	RC-EZA123WJZZY	J	100 6.3V Electrolytic	AC
D703	VHDDAN222//-1Y	J	Diode	AA	C731	RC-EZA131WJZZY	J	4.7 50V Electrolytic	AC
D704	RH-EX1245CEZZY	J	Zener Diode, 5.1V	AB	C732	RC-KZA030WJZZY	J	2.2 10V Ceramic	AB
D705	VHDDAN222//-1Y	J	Diode	AA	C733	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
					C734	VCCCCY1HH471JY	J	470p 50V Ceramic	AA
					C735	RC-EZA132WJZZY	J	10 50V Electrolytic	AC
					C736	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
					C737	VCKYCY1CF334ZY	J	0.33 16V Ceramic	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
<b>DUNTKB988FE03</b>									
<b>MAIN UNIT (Continued)</b>									
C738	RC-EZA123WJZZY	J	100	6.3V Electrolytic	AC	C1112	VCKYCY1HB103KY	J	0.01 50V Ceramic AA
C739	RC-KZA030WJZZY	J	2.2	10V Ceramic	AB	C1113	VCKYCY1HB103KY	J	0.01 50V Ceramic AA
C740	VCCCCY1HH471JY	J	470p	50V Ceramic	AA	C1114	VCCCCY1HH560JY	J	56p 50V Ceramic AB
C741	VCEASH1CN107MY	J	100	16V Electrolytic	AC	C1115	VCKYTV1CB334KY	J	0.33 16V Ceramic AC
C801	RC-KZA041WJZZY	J	10	10V Ceramic	AC	C1116	VCKYTV1CB105KY	J	1 16V Ceramic AC
C802	RC-KZA030WJZZY	J	2.2	10V Ceramic	AB	C1117	VCKYTV1CB105KY	J	1 16V Ceramic AC
C803	RC-KZA041WJZZY	J	2.2	10V Ceramic	AB	C1118	VCKYCY1EB104KY	J	0.1 25V Ceramic AB
C804	RC-KZA041WJZZY	J	10	10V Ceramic	AC	C1119	RC-KZA041WJZZY	J	10 10V Ceramic AC
C805	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1122	RC-EZ1339CEZZY	J	220 16V Electrolytic AD
C806	RC-KZA041WJZZY	J	10	10V Ceramic	AC	C1201	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C807	RC-KZA041WJZZY	J	10	10V Ceramic	AC	C1202	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C808	VCKYCY1AB105KY	J	1	10V Ceramic	AB	C1203	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C809	VCKYCY1HB222KY	J	2200p	50V Ceramic	AA	C1204	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C810	VCCCCY1HH101JY	J	100p	50V Ceramic	AA	C1205	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C811	RC-KZA041WJZZY	J	10	10V Ceramic	AC	C1206	VCCCCY1HH180JY	J	18p 50V Ceramic AA
C812	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1207	VCCCCY1HH180JY	J	18p 50V Ceramic AA
C813	RC-KZA041WJZZY	J	10	10V Ceramic	AC	C1208	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C814	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1209	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C815	VCKYCY1AB105KY	J	1	10V Ceramic	AB	C1210	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C816	VCKYCY1HB102KY	J	1000p	50V Ceramic	AA	C1211	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C817	RC-EZA135WJZZY	J	47	6.3V Electrolytic	AC	C1212	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C818	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1213	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C819	VCKYTV1CF684ZY	J	0.68	16V Ceramic	AB	C1214	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C820	VCKYTV1CF684ZY	J	0.68	16V Ceramic	AB	C1215	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C821	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1216	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C822	RC-EZA123WJZZY	J	100	6.3V Electrolytic	AC	C1217	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C823	RC-EZA123WJZZY	J	100	6.3V Electrolytic	AC	C1218	VCKYCY1CF474ZY	J	0.47 16V Ceramic AB
C824	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1219	VCKYCY1CF474ZY	J	0.47 16V Ceramic AB
C825	RC-KZ1025CEZZY	J	1	10V Ceramic	AB	C1220	VCKYCY1CF474ZY	J	0.47 16V Ceramic AB
C827	RC-KZ1025CEZZY	J	1	10V Ceramic	AB	C1221	VCKYCY1CF474ZY	J	0.47 16V Ceramic AB
C828	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1222	VCKYCY1CF474ZY	J	0.47 16V Ceramic AB
C829	RC-EZA123WJZZY	J	100	6.3V Electrolytic	AC	C1223	VCKYCY1CF474ZY	J	0.47 16V Ceramic AB
C830	VCKYCY1HB331KY	J	330p	50V Ceramic	AA	C1224	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C831	RC-EZA122WJZZY	J	22	6.3V Electrolytic	AB	C1225	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C832	VCKYCY1AB224KY	J	0.22	10V Ceramic	AB	C1226	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C833	RC-KZA030WJZZY	J	2.2	10V Ceramic	AB	C1227	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C834	VCKYCY1HB331KY	J	330p	50V Ceramic	AA	C1228	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C835	VCKYCY1AB224KY	J	0.22	10V Ceramic	AB	C1229	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C836	RC-EZA124WJZZY	J	10	16V Electrolytic	AB	C1230	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C837	VCKYCY1HB331KY	J	330p	50V Ceramic	AA	C1231	RC-EZA123WJZZY	J	100 6.3V Electrolytic AC
C838	VCKYCY1AB224KY	J	0.22	10V Ceramic	AB	C1232	RC-EZA123WJZZY	J	100 6.3V Electrolytic AC
C839	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1233	RC-EZA123WJZZY	J	100 6.3V Electrolytic AC
C840	VCCCCY1HH7R0DY	J	7p	50V Ceramic	AA	C1234	RC-EZA123WJZZY	J	100 6.3V Electrolytic AC
C841	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1235	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C842	VCCCCY1HH471JY	J	470p	50V Ceramic	AA	C1236	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C843	VCCCCY1HH7R0DY	J	7p	50V Ceramic	AA	C1237	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C844	RC-EZA134WJZZY	J	220	6.3V Electrolytic	AC	C1238	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C845	VCKYCY1CF224ZY	J	0.22	16V Ceramic	AB	C1243	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C846	VCKYCY1CF224ZY	J	0.22	16V Ceramic	AB	C1244	VCCCCY1HH220JY	J	22p 50V Ceramic AA
C847	VCKYCY1CF224ZY	J	0.22	16V Ceramic	AB	C1601	RC-KZ0074TAZZY	J	10 6.3V Ceramic AF
C848	RC-KZ0117TAZZY	J	4.7	6.3V Ceramic	AD	C1603	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C849	RC-KZ1025CEZZY	J	1	10V Ceramic	AB	C1607	RC-EZA199WJZZY	J	10 25V Electrolytic AC
C850	RC-KZ1025CEZZY	J	1	10V Ceramic	AB	C1610	VCKYCY1HB103KY	J	0.01 50V Ceramic AA
C851	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1613	VCE9PF0JN226MY	J	22 6.3V Elect. (N.P) AD
C852	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1615	RC-EZA125WJZZY	J	22 16V Electrolytic AC
C854	RC-KZ1025CEZZY	J	1	10V Ceramic	AB	C1616	VCKYCY1HB103KY	J	0.01 50V Ceramic AA
C856	RC-KZ1025CEZZY	J	1	10V Ceramic	AB	C1619	VCCCCY1HH181JY	J	180p 50V Ceramic AA
C857	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1620	VCE9PF0JN226MY	J	22 6.3V Elect. (N.P) AD
C863	VCKYCY1EB473KY	J	0.047	25V Ceramic	AA	C1622	RC-EZA122WJZZY	J	22 6.3V Electrolytic AB
C865	VCKYCY1EB473KY	J	0.047	25V Ceramic	AA	C1623	RC-EZA135WJZZY	J	47 6.3V Electrolytic AC
C866	VCKYCY1EB473KY	J	0.047	25V Ceramic	AA	C1624	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C1101	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1625	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C1102	RC-EZ1339CEZZY	J	220	16V Electrolytic	AD	C1626	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C1104	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1627	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C1105	VCCCCY1HH181JY	J	180p	50V Ceramic	AA	C1628	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C1106	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1629	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C1107	RC-KZA041WJZZY	J	10	10V Ceramic	AC	C1630	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C1108	VCCCCY1HH560JY	J	56p	50V Ceramic	AB	C1631	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C1109	RC-KZA041WJZZY	J	10	10V Ceramic	AC	C1632	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
C1110	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1633	VCKYTV1CF105ZY	J	1 16V Ceramic AB
C1111	VCKYCY1EF104ZY	J	0.1	25V Ceramic	AA	C1634	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
						C1639	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA
						C1640	VCCCCY1HH220JY	J	22p 50V Ceramic AA
						C1641	VCCCCY1HH180JY	J	18p 50V Ceramic AA
						C1643	VCKYCY1EF104ZY	J	0.1 25V Ceramic AA

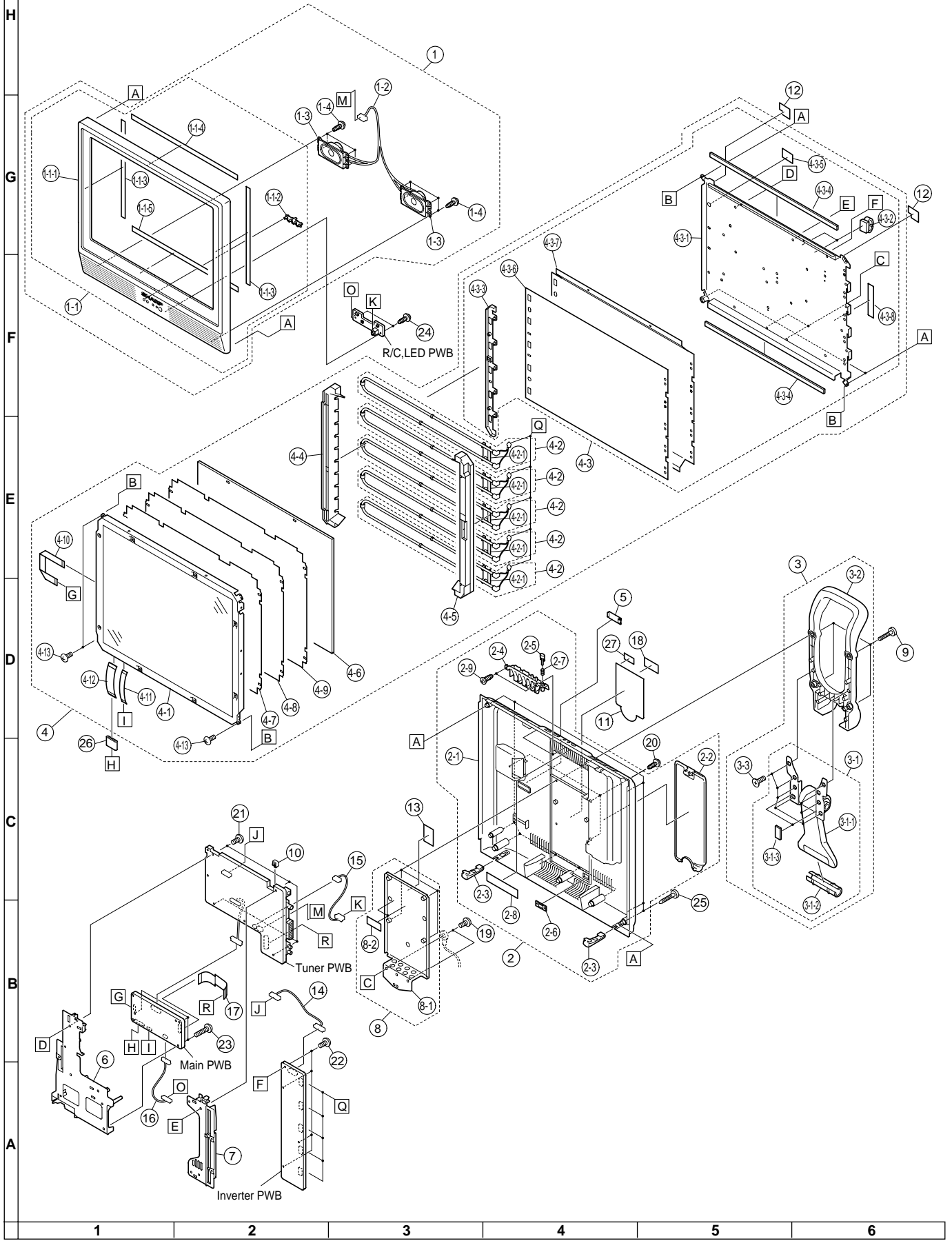
Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
<b>DUNTKB988FE03</b>									
<b>MAIN UNIT (Continued)</b>									
C1644	RC-KZ0074TAZZY	J 10	6.3V Ceramic	AF	R854	VRS-CY1JF102FY	J 1k	1/16W Metal Oxide	AA
C1649	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R856	VRS-CY1JF392FY	J 3.9k	1/16W Metal Oxide	AA
C2002	VCKYTV1CF105ZY	J 1	16V Ceramic	AB	R1101	VRS-CY1JF273FY	J 27k	1/16W Metal Oxide	AA
C2004	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1102	VRS-CY1JF472FY	J 4.7k	1/16W Metal Oxide	AA
C2005	VCKYCY1AB105KY	J 1	10V Ceramic	AB	R1103	VRS-CY1JF472FY	J 4.7k	1/16W Metal Oxide	AA
C2006	RC-EZA122WJZZY	J 22	6.3V Electrolytic	AB	R1104	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
C2007	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1105	VRS-CY1JF391JY	J 390	1/16W Metal Oxide	AA
C2009	RC-KZ0074TAZZY	J 10	6.3V Ceramic	AF	R1106	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C2013	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1107	VRS-CY1JF391JY	J 390	1/16W Metal Oxide	AA
C2017	VCKYTV1CF684ZY	J 0.68	16V Ceramic	AB	R1108	VRS-TW2ED102JY	J 1k	1/4W Metal Oxide	AA
C2019	RC-EZA124WJZZY	J 10	16V Electrolytic	AB	R1109	VRS-TW2ED5R6JY	J 5.6	1/4W Metal Oxide	AA
C2020	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1110	VRS-TW2ED8R2JY	J 8.2	1/4W Metal Oxide	AA
C2022	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1111	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
C2023	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1112	VRS-CY1JF181JY	J 180	1/16W Metal Oxide	AA
C2025	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1113	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C2026	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1114	VRS-CY1JF181JY	J 180	1/16W Metal Oxide	AA
C2027	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1115	VRS-TW2HF100JY	J 10	1/2W Metal Oxide	AA
C2028	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1117	VRS-TW2HF5R6JY	J 5.6	1/2W Metal Oxide	AA
C2029	VCKYCY1HB222KY	J 2200p	50V Ceramic	AA	R1118	VRS-TW2HF5R6JY	J 5.6	1/2W Metal Oxide	AA
C2030	VCKYCY1HB222KY	J 2200p	50V Ceramic	AA	R1119	VRS-CY1JF473JY	J 47k	1/16W Metal Oxide	AA
C2031	VCKYCY1HB122KY	J 1000p	50V Ceramic	AA	R1121	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
<b>RESISTORS</b>					R1122	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R703	VRS-TW2HF2R2JY	J 2.2	1/2W Metal Oxide	AA	R1123	VRS-TW2HF000JY	J 0	1/2W Metal Oxide	AA
R704	VRS-CY1JF682JY	J 6.8k	1/16W Metal Oxide	AA	R1124	VRS-TW2HF101JY	J 100	1/2W Metal Oxide	AA
R705	VRS-CY1JF562JY	J 5.6k	1/16W Metal Oxide	AA	R1126	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R706	VRS-CY1JF1R0JY	J 1	1/16W Metal Oxide	AA	R1128	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R708	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R1206	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R709	VRS-CY1JF272JY	J 2.7k	1/16W Metal Oxide	AA	R1207	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R710	VRS-CY1JF272JY	J 2.7k	1/16W Metal Oxide	AA	R1208	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R711	VRS-TW2ED103JY	J 10k	1/4W Metal Oxide	AA	R1209	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA
R712	VRS-CY1JF680FY	J 68	1/16W Metal Oxide	AA	R1210	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R714	VRS-CY1JF151FY	J 150	1/16W Metal Oxide	AA	R1213	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA
R715	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA	R1214	VRS-CB1JF101JY	J 100	1/16W Metal Oxide	AA
R716	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R1215	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA
R717	VRS-CY1JF272JY	J 2.7k	1/16W Metal Oxide	AA	R1216	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA
R718	VRS-TW2HF330JY	J 33	1/2W Metal Oxide	AA	R1217	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA
R721	VRS-TV1JD562JY	J 5.6k	1/10W Metal Oxide	AA	R1218	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R723	VRS-TW2ED150JY	J 15	1/4W Metal Oxide	AA	R1219	VRS-CY1JF105JY	J 1 M	1/16W Metal Oxide	AA
R724	VRS-TW2HF472JY	J 4.7k	1/2W Metal Oxide	AA	R1220	VRS-CY1JF471JY	J 470	1/16W Metal Oxide	AA
R803	VRS-CY1JF105JY	J 1 M	1/16W Metal Oxide	AA	R1221	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R805	VRS-CY1JF561FY	J 560	1/16W Metal Oxide	AA	R1222	VRS-CY1JF680JY	J 68	1/16W Metal Oxide	AA
R806	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R1223	VRS-CY1JF220JY	J 22	1/16W Metal Oxide	AA
R807	VRS-CY1JF561FY	J 560	1/16W Metal Oxide	AA	R1224	VRS-CH1JF470JY	J 47	1/16W Metal Oxide	AA
R808	VRS-CY1JF474JY	J 470k	1/16W Metal Oxide	AA	R1225	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R810	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA	R1227	VRS-CH1JF470JY	J 47	1/16W Metal Oxide	AA
R811	VRS-CY1JF333JY	J 33k	1/16W Metal Oxide	AA	R1228	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R812	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA	R1229	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R814	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA	R1230	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R815	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA	R1231	VRS-CH1JF470JY	J 47	1/16W Metal Oxide	AA
R816	VRS-CY1JF561FY	J 560	1/16W Metal Oxide	AA	R1232	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R817	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R1233	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA
R818	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA	R1234	VRS-CA1JF470JY	J 47	1/16W Metal Oxide	AB
R819	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA	R1235	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R820	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA	R1236	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R821	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA	R1237	VRS-CY1JF220JY	J 22	1/16W Metal Oxide	AA
R823	VRS-CY1JF561FY	J 560	1/16W Metal Oxide	AA	R1238	VRS-CY1JF221JY	J 220	1/16W Metal Oxide	AA
R827	VRS-CY1JF750JY	J 75	1/16W Metal Oxide	AA	R1239	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R828	VRS-CY1JF750JY	J 75	1/16W Metal Oxide	AA	R1240	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R829	VRS-CY1JF750JY	J 75	1/16W Metal Oxide	AA	R1241	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R835	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA	R1242	VRS-CY1JF182JY	J 1.8k	1/16W Metal Oxide	AA
R836	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA	R1257	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R837	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA	R1261	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R838	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA	R1267	VRS-CH1JF470JY	J 47	1/16W Metal Oxide	AA
R839	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA	R1268	VRS-CH1JF470JY	J 47	1/16W Metal Oxide	AA
R841	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA	R1269	VRS-CH1JF470JY	J 47	1/16W Metal Oxide	AA
R842	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA	R1602	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA
R843	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA	R1603	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R845	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA	R1604	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R847	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA	R1605	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R853	VRS-CA1JF220JY	J 22	1/16W Metal Oxide	AA	R1607	VRS-CY1JF391FY	J 390	1/16W Metal Oxide	AA
					R1608	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA
					R1609	VRS-CY1JF681JY	J 680	1/16W Metal Oxide	AA
					R1610	VRS-CY1JF391FY	J 390	1/16W Metal Oxide	AA
					R1611	VRS-CY1JF132JY	J 1.3k	1/16W Metal Oxide	AG
					R1614	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA



Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
<b>DUNTKB988FE03</b>									
<b>MAIN UNIT (Continued)</b>									
R1615	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA	R2081	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R1616	VRS-CY1JF391FY	J	390 1/16W Metal Oxide	AA	R2083	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1617	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R2088	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R1618	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA	R2089	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1619	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA	R2091	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R1620	VRS-CY1JF681FY	J	680 1/16W Metal Oxide	AA	R2092	VRS-CA1JF153JY	J	15k 1/16W Metal Oxide	AB
R1621	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R2093	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1622	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R2095	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R1623	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R2096	VRS-CB1JF101JY	J	100 1/16W Metal Oxide	AA
R1624	VRS-CY1JF681FY	J	680 1/16W Metal Oxide	AA	R2097	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R1625	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA	R2099	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1627	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA	R2100	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1628	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA	R2101	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1629	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA	R2102	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1631	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA	R2103	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1632	VRS-CB1JF332JY	J	3.3k 1/16W Metal Oxide	AC	R2107	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R1635	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA	R2108	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1637	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA	R2109	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R1645	VRS-CA1JF221JY	J	220 1/16W Metal Oxide	AC	R2111	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1647	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA	R2112	VRS-CY1JF512JY	J	5.1k 1/16W Metal Oxide	AA
R1655	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA	R2115	VRS-CA1JF103JY	J	10k 1/16W Metal Oxide	AA
R1656	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA	R2118	VRS-CA1JF103JY	J	10k 1/16W Metal Oxide	AA
R1657	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA	R2124	VRS-CY1JF433FY	J	43k 1/16W Metal Oxide	AA
R1661	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA	R2126	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R1665	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA	R2130	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2002	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA	R2131	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2005	VRS-CY1JF273FY	J	27k 1/16W Metal Oxide	AA	R2132	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2007	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	R2133	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2008	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA	R2134	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2009	VRS-CY1JF1R0JY	J	1 1/16W Metal Oxide	AA	R2135	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2010	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA	R2136	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2011	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA	<b>MISCELLANEOUS PARTS</b>				
R2014	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA	FB701	RBLN-0006TAZZY	J	Ferrite Bead	AB
R2018	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	FB702	RBLN-0006TAZZY	J	Ferrite Bead	AB
R2023	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	FB1201	RBLN-0083GEZZY	J	Ferrite Bead	AB
R2024	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	FB1601	RBLN-0006TAZZY	J	Ferrite Bead	AB
R2025	VRS-CA1JF102JY	J	1k 1/16W Metal Oxide	AA	FB1603	RBLN-0006TAZZY	J	Ferrite Bead	AB
R2026	VRS-CA1JF223JY	J	22k 1/16W Metal Oxide	AA	FB1605	RBLN-0006TAZZY	J	Ferrite Bead	AB
R2027	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	FB1606	RBLN-0006TAZZY	J	Ferrite Bead	AB
R2032	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	FB1607	RBLN-0076TAZZY	J	Ferrite Bead	AC
R2034	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA	FB1608	RBLN-0076TAZZY	J	Ferrite Bead	AC
R2037	VRS-CY1JF512JY	J	5.1k 1/16W Metal Oxide	AA	FB1609	RBLN-0076TAZZY	J	Ferrite Bead	AC
R2038	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	P701	QPLGN0185FJZZY	J	Plug, 13-pin(MB)	AE
R2041	VRS-CA1JF223JY	J	22k 1/16W Metal Oxide	AA	P2001	QPLGN0963TAZZY	J	Plug, 9-pin(MS)	AD
R2043	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	SC1202	QSOCNA002WJPZY	J	Socket, 20-pin(LK)	AD
R2045	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	SC1203	QSOCN0687FJZZY	J	Socket, 50-pin(LS)	AF
R2046	VRS-CY1JF512JY	J	5.1k 1/16W Metal Oxide	AA	SC1204	QSOCN0684FJZZY	J	Socket, 30-pin(LG)	AF
R2047	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	SC2001	QSOCN0464FJZZY	J	Socket, 50-pin(MA)	AH
R2048	VRS-CY1JF512JY	J	5.1k 1/16W Metal Oxide	AA	TP2002	QLUGHA006WJZZY	J	Lug	AA
R2049	VRS-CY1JF512JY	J	5.1k 1/16W Metal Oxide	AA	TP2052	QLUGHA006WJZZY	J	Lug	AA
R2053	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	TP2053	QLUGHA006WJZZY	J	Lug	AA
R2054	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA					
R2055	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA					
R2057	VRS-CY1JF512JY	J	5.1k 1/16W Metal Oxide	AA					
R2059	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA					
R2060	VRS-CY1JF512JY	J	5.1k 1/16W Metal Oxide	AA					
R2062	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA					
R2063	VRS-CB1JF101JY	J	100 1/16W Metal Oxide	AA					
R2064	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA					
R2065	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA					
R2066	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA					
R2067	VRS-CY1JF512JY	J	5.1k 1/16W Metal Oxide	AA					
R2069	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA					
R2072	VRS-CA1JF103JY	J	10k 1/16W Metal Oxide	AA					
R2074	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA					
R2075	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA					
R2076	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA					
R2077	VRS-CA1JF223JY	J	22k 1/16W Metal Oxide	AA					
R2078	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA					
R2079	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA					
R2080	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA					

Ref. No.	Part No.	*	Description	Code	Ref. No.	Part No.	*	Description	Code
<b>CABINET AND MECHANICAL PARTS</b>					18	<i>Not Available</i>	—	Serial No. Label	—
1	<i>Not Available</i>	—	Cabinet A Ass'y Unit	—	19	XBBSD40P06000	J	Screw, x2	AA
1-1	CCABAA370WJ02	S	Cabinet A Ass'y	BP	20	XBBSF30P04000	J	Screw, x3	AA
1-1-1	<i>Not Available</i>	—	Cabinet A	—	21	XBPS930P11JS0	J	Screw, x4	AB
1-1-2	HDECQA269WJSA	J	R/C, LED Cover	AE	22	XBPSD30P10JS0	J	Screw, x3	AA
1-1-3	PSPAHA040WJZZ	J	Spacer, x2	AD	23	XBPSD30P20JS0	J	Screw, x3	AA
1-1-4	PSPAHA041WJZZ	J	Spacer, x1	AD	24	XEBSD30P08000	J	Screw, x2	AA
1-1-5	PSPAHA213WJZZ	J	Spacer, x1	AD	25	XEBSF40P20000	J	Screw, x9	AB
1-2	QCNW-B521WJQZ	J	Connecting Cord(SP)	AG	26	RCORFA026WJZZ	S	Core	AM
1-3	VSP7040PB608S	J	Speaker, x2	AN	27	TLABSA028WJSA	S	GOST Label(LC-20S1E(R))	
1-4	XEBSD40P10000	J	Screw, x8	AB					
2	CCABBA263WJ02	S	Cabinet B Ass'y	BM					
2-1	<i>Not Available</i>	—	Cabinet B	—					
2-2	GCOVAA500WJKA	J	Terminal Cover	AM					
2-3	GLEGGA026WJSA	J	Rubber Leg, x2	AF					
2-4	JBTN-A181WJKA	J	Operation Button	AL					
2-5	JBTN-A184WJKA	J	Power Button	AG					
2-6	LANGF2155CEFW	J	Round Lock	AD					
2-7	MSPRCA014WJFW	J	Power Button Spring	AB					
2-8	PSPAHA279WJZZ	J	Spacer, x1	AC					
2-9	XEBNS30P08000	J	Screw, x2	AA					
3	CDAi-A087WJ01	J	Stand Ass'y	BD					
3-1	CDAi-A087WJ02	J	Stand Base Ass'y	BA					
3-1-1	<i>Not Available</i>	—	Stand Joint	—					
3-1-2	GLEGGA029WJSA	J	Rubber Leg	AF					
3-1-3	PSPAZA083WJZZ	J	Spacer, x2	AB					
3-2	JHNDPA004WJSA	J	Stand Handle	AT					
3-3	XESSN40P10000	J	Screw, x8	AB					
4	<i>Not Available</i>	—	20" LCD Panel Unit Ass'y	—					
4-1	RLCDA025WJZZ	J	20" LCD Panel Unit	DB					
△ 4-2	CLMP-A024WJ01	J	Lamp Unit Ass'y, x5	AY					
4-2-1	LHLDZA214WJKZ	J	Lamp Clip, x1	AD					
4-3	<i>Not Available</i>	—	Back Shield Ass'y	—					
4-3-1	PSLDMA251WJFW	J	Back Shield	AX					
4-3-2	LHLDW1123GEZZ	J	Wire Holder, x2	AB					
4-3-3	LHLDZA213WJKZ	J	Lamp Holder(Bottom)	AG					
4-3-4	PMLT-A078WJZZ	J	Light Shielding Spacer, x2	AE					
4-3-5	PMLT-A079WJZZ	J	Light Shielding Spacer	AB					
4-3-6	PSHEPA103WJZZ	J	Reflection Sheet(Top)	AL					
4-3-7	PSHEPA104WJZZ	J	Reflection Sheet(Bottom)	AK					
4-3-8	TCAUZA031WJZZ	J	Caution Label	AB					
4-4	LHLDZA211WJKZ	J	Lamp Holder(Top)-A	AL					
4-5	LHLDZA212WJKZ	J	Lamp Holder(Top)-B	AL					
4-6	PCOVUA014WJZZ	J	Diffusion Plate	AX					
4-7	PSHEPA101WJZZ	J	Reflection/Deflection Sheet	BM					
4-8	PSHEPA102WJZZ	J	Prism Sheet	BB					
4-9	PSHEPA127WJZZ	J	Diffusion Sheet	AN					
4-10	QCNW-B523WJQZ	J	Connecting Cord	AE					
4-11	QCNW-B524WJQZ	J	Connecting Cord	AC					
4-12	QCNW-B525WJQZ	J	Connecting Cord	AD					
4-13	XBPSN26P05J00	J	Screw, x3	AA					
5	GCOVAA503WJKA	J	Bass Cone Cover	AE					
6	LCHSMA039WJKA	J	Chassis Frame(L)	AL					
7	LCHSMA044WJKA	S	Chassis Frame(R)	AS					
8	CANGTA078WJ01	J	Reinforcement Angle Ass'y	AQ					
8-1	LANGTA078WJFW	J	Reinforcement Angle	AP					
8-2	PSPAHA280WJZZ	J	Spacer, x2	AB					
9	LX-BZ3442CEF9	J	Screw, x4	AB					
10	LHLDZA251WJKZ	J	Power Button Holder	AD					
11	HINDPA564WJSA	S	Model Label	AK					
12	PMLT-A075WJZZ	J	Light Shielding Spacer, x2	AC					
13	PSLDMA285WJZZ	S	Shield	AE					
14	QCNW-B518WJQZ	J	Connecting Cord	AL					
15	QCNW-B520WJQZ	J	Connecting Cord	AE					
16	QCNW-B522WJQZ	J	Connecting Cord	AH					
17	QCNW-B526WJQZ	J	Connecting Cord	AD					

# CABINET AND MECHANICAL PARTS



Ref. No. Part No. ★ Description Code

**ACCESSORIES**

△	LHLDWA002WJSB	J	Cable Clamp, x1	AD
	QACCBA016WJPZ	J	AC Cord(LC-20S1E(K))	AR
△	QACCKA006WJPZ	J	AC Cord(LC-20S1E/E(R))	AL
	RRMCGA074WJSA	J	Infrared R/C Unit	AU
	TGAN-1688CEN1	J	Guarantee Card (LC-20S1E(K))	AN
	TGAN-A077WJZZ	J	Guarantee Card (LC-20S1E(R))	AE
	TINS-A837WJZZ	S	Operation Manual	AZ
	TiNS-A838WJZZ	S	Operation Manual (LC-20S1E(R))	
	TLABSA028WJSA	S	GOST Label(for AC Adapter) (LC-20S1E(R))	
△	UADP-A043WJPZ	J	AC Adapter	BC

Ref. No. Part No. ★ Description Code

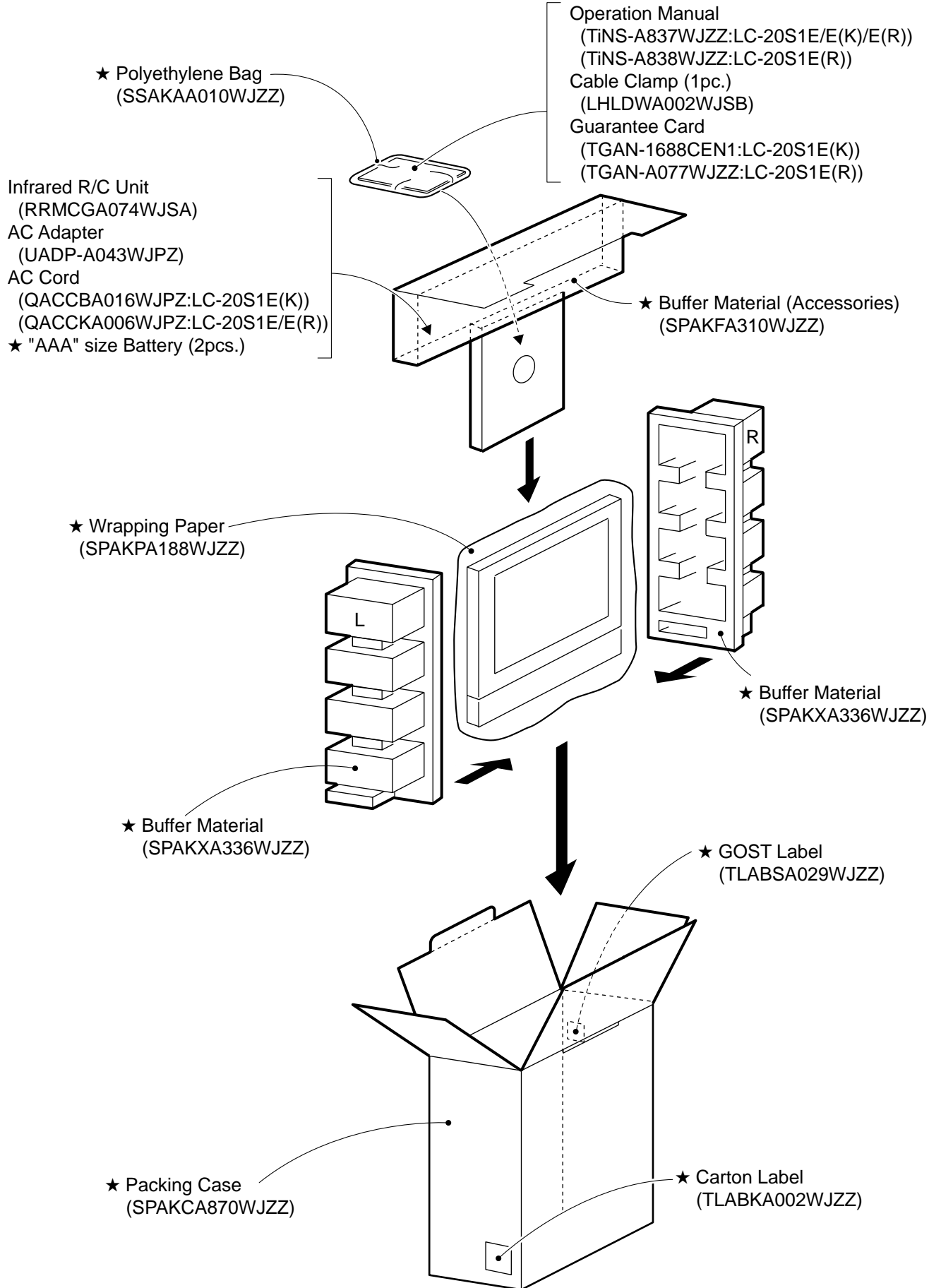
**PACKING PARTS  
(NOT REPLACEMENT ITEM)**

	SPAKCA870WJZZ	-	Packing Case	—
	SPAKFA310WJZZ	-	Buffer Material (Accessories)	—
	SPAKPA188WJZZ	-	Wrapping Paper	—
	SPAKXA336WJZZ	-	Buffer Material	—
	SSAKAA010WJZZ	-	Polyethylene Bag	—
	TLABKA002WJZZ	-	Carton. Label	—
	TLABN0134BMZZ	-	SEES No. Label	—
	TLABSA029WJZZ	-	GOST Label (LC-20S1E(R))	—

**SERVICE JIGS  
(USE FOR SERVICING)**

	QCNW-A369WJZZ	J	Extension Cable 50-pin Main(SC2001)-Tuner (SC3901)	AT
	QCNW-B594WJZZ	J	Extension Cable 13-pin Main(P701)-Tuner(P1900)	AX

# PACKING OF THE SET



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