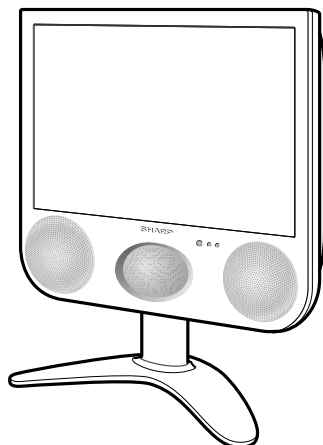


SHARP

SERVICE MANUAL

SX2T5LC-13C3U



LCD COLOR TELEVISION

LC-13C3U-S

MODELS LC-15C3U-S

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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SHARP CORPORATION

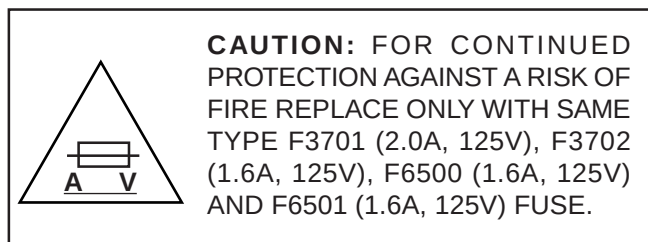
This document has been published to be used for after sales service only.
The contents are subject to change without notice.

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.



BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

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

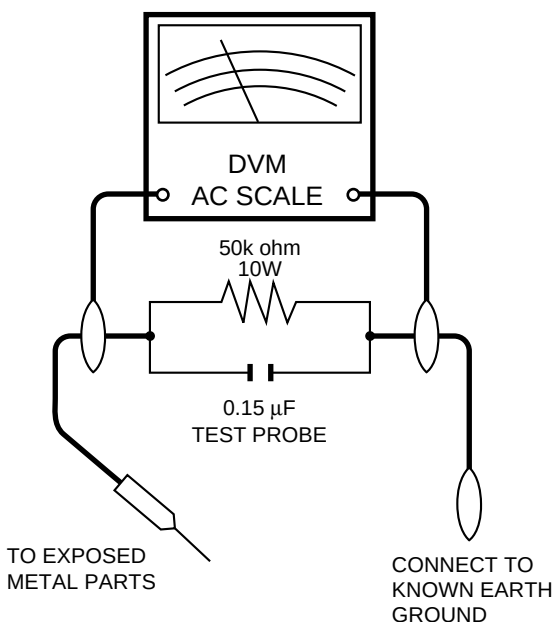
1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment 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 0.15μF 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 milliamp. 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.

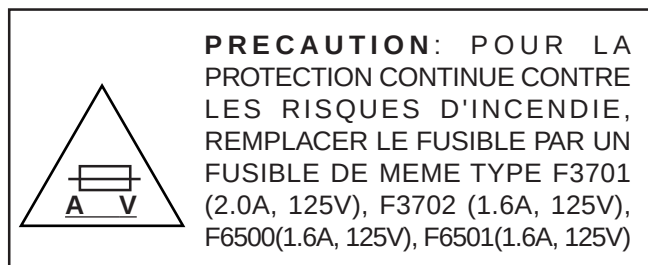
The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

■ Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.

AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.



VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

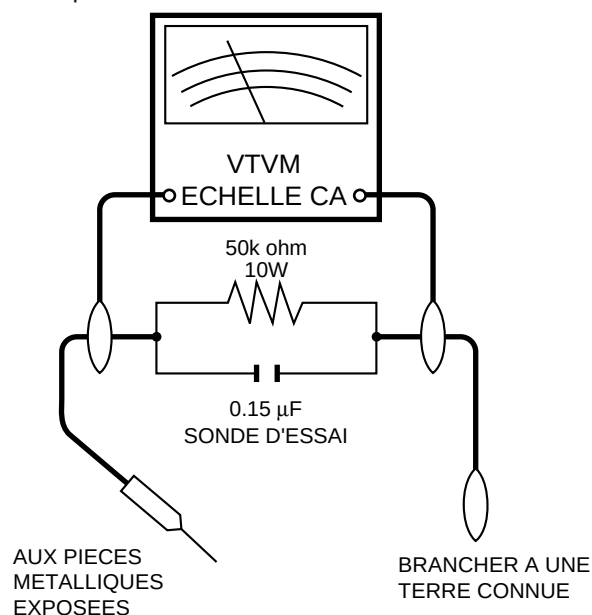
1. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
2. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistance-capacité, les isolateurs mécaniques, etc.
3. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la façon suivante:
 - Brancher le cordon d'alimentation directement à une prise de courant de 110-240V. (Ne pas utiliser de transformateur d'isolation pour cet essai).
 - A l'aide de deux fils à pinces, brancher une résistance de 50 k Ω 10 watts en parallèle avec un condensateur de 0,15 μ F en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une

conduite électrique ou une prise de terre branchée à la terre.

- Utiliser un voltmètre CA d'une sensibilité d'au moins 5000 Ω /V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adpatation non polarisée peut être utilisée dans le but de terminer ces vérifications.)

Tous les courants mesurés ne doivent pas dépasser 0,5 mA.

Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseurs présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont

identifiées par la marque " ⚠ " et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.

Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

Precautions for using lead-free solder

1 Employing lead-free solder

"All PWBs" 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:

LFa

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 soldening bit, contact our service station or service ranch 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 conurm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to tum 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.

Becareful 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

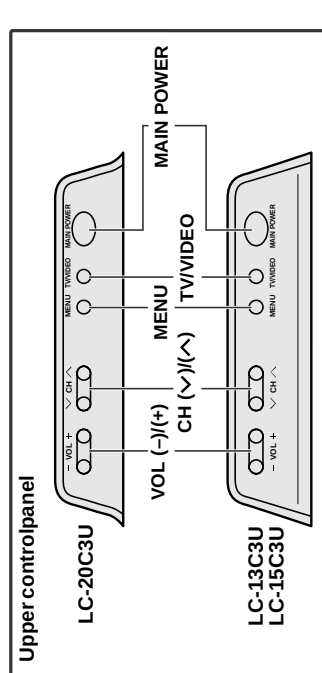
Items		Model	LC-13C3U	LC-15C3U
LCD panel			13" Advanced Super View & BLACK TFT LCD	15" Advanced Super View & BLACK TFT LCD
Number of dots			921,600 dots VGA	
Video color systems			N358, N443, PAL, PAL-M, PAL-N, SECAM, PAL-60	
TV function	Destination		USA/Latin America/Taiwan	
	TV Standard (CCIR)		NTSC/PAL-M/PAL-N	
	TV Tuning System		PLL 181 ch.	
	STEREO		MTS+SAP	
	CATV		125 ch.	
Y/C FILTER			4-LINE COMB FILTER	
Brightness			430 cd/m ²	
Lamp life (Fluorescent lamp)			60,000 hours	
Viewing angles			H: 170° V: 170°	
Audio amplifier			2.1 W x 2 + 3 W x 1	
Speakers			ø2 in. (ø5 cm), 3 pcs.	
Terminals	AV-IN1		AV-IN1, S-VIDEO-IN	
	AV-IN2		AV-IN2/AV-OUT	
	COMPONENT		COMPONENT-IN, AUDIO-IN	
	Antenna		F-Type	
	Headphone		Mini-jack for stereo (ø3.5 mm)	
OSD language			English/French/Spanish	
Power supply			DC 12 V, AC 110–240 V, 50/60 Hz	
Weight			11.2 lbs. (5.1 kg), w/o accessories	13.0 lbs. (5.9 kg), w/o accessories
Accessories			Remote control, Batteries (x2), Antenna cable, AC adapter, AC cord, Cable clamps (x2), Operation manual	

Specifications are subject to change without prior notice.

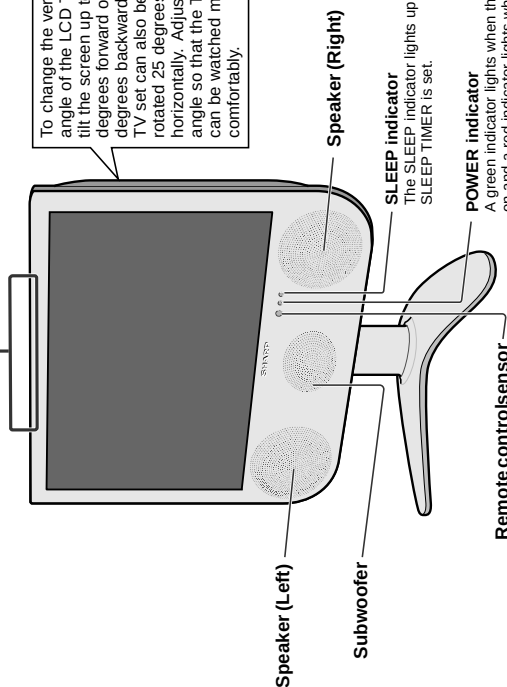
OPERATION MANUAL

DISPLAY AND CONTROL OVERVIEW

Controls



To change the vertical angle of the LCD TV set, tilt the screen up to 2.5 degrees forward or 10 degrees backward. The TV set can also be rotated 25 degrees horizontally. Adjust the angle so that the TV set can be watched most comfortably.



SLEEP indicator
The SLEEP indicator lights up red when the SLEEP TIMER is set.

POWER 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).

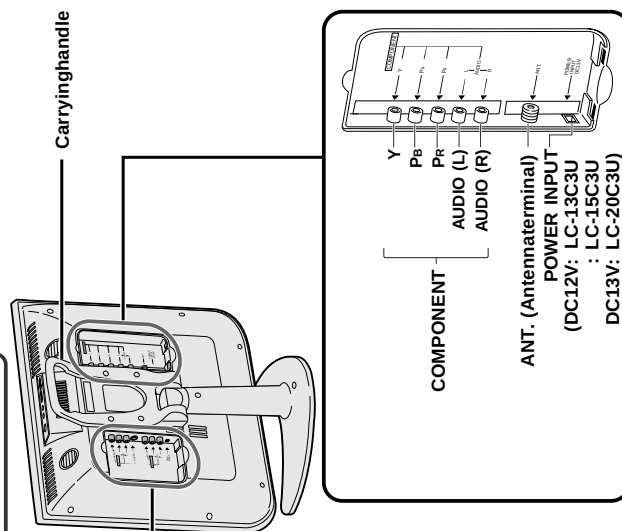
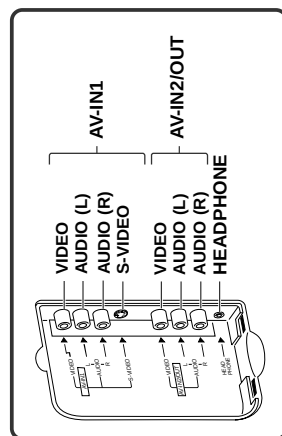
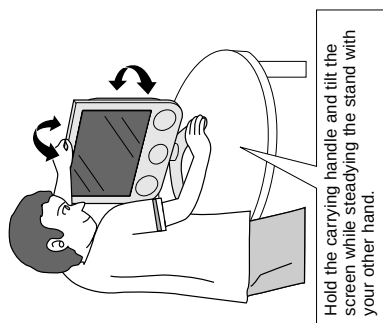
* The examples used throughout this manual are based on the LC-20C3U model.

NOTE  The **T.V/VIDEO**, **CH** () () () () () () () () () () () () () () () () () () () () () () () (

- The LC-13C3U, LC-15C3U and LC-20C3U have different external dimensions and the positions where the names of the buttons are displayed also differ but the same operating procedures are followed for all three models.

Terminals

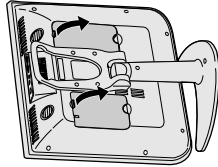
- Adjusting the screen view angle



DISPLAY AND CONTROL OVERVIEW (Continued)

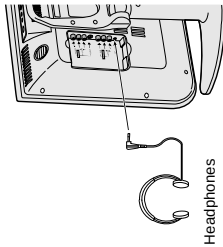
Removing the Back Cover

- Before connecting cables and cords to the rear terminals, remove the back covers. Push in the tabs and pull out the back covers carefully.
- To mount the cover, insert the 2 hooks on the bottom of the cover into the cabinet and press on the upper part of the back cover until the tab locks in place with a click.

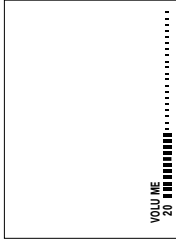


Listening with Headphones

- Plug the headphone mini-plug into the HEADPHONE jack located on the rear of the TV set.



▼ On-screen display



Adjust the sound volume using VOL. (+) / (-) on the remote control.

NOTE

- Headphones are not included in the supplied accessories.
- No sound is heard from the main unit speakers when a headphone mini-plug is connected into the HEADPHONE jack.

REMOTE CONTROL

1 **POWER**
Switch the Liquid Crystal Television power on or off.

2 **SUB**
Switch the subwoofer on or off.

3 **SLEEP**
Set the sleep timer.

4 **ENTER**
Execute a command.

5 **DISPLAY**
Display the channel information.

6 **BRIGHT**
Adjust the brightness of the screen.

7 **MUTE**
Mute the sound.

8 **VOL (+)/(-)**
Set the volume.

9 **CH (>)/(<)**
Select channel.

10 **MTS**
Select audio settings.

11 **PIC. FLIP**
Set the orientation of the picture.

12 **▲/▼/◀/▶ (Cursor control)**
Select a desired item on the screen.

13 **MENU**
Display the menu screen.

14 **CC**
Display Closed Caption subtitles.

15 **TV/VIDEO**
Select a Liquid Crystal Television input source.

16 **RETURN**
Return to the previous channel.

17 **ChannelSelect**
Set the channel.

CONNECTING EXTERNAL DEVICES

You can enjoy picture and sound by connecting a VCR or a home video game system to the terminals located on the rear of the TV set.
When connecting an external device, turn off the power of the main unit first to prevent any possible damage.

Example of external devices that can be connected

To AV-IN1 terminal

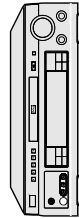
- <Example>
- Camcorder
 - Home video game system



* If your external device has an S-video terminal, S-VIDEO connection is recommended.

To COMPONENT terminal

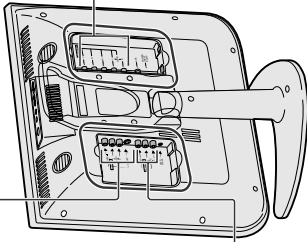
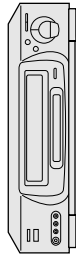
- <Example>
- DVD Player, etc.



* If your external device has a component terminal, COMPONENT connection is recommended (you can view high-quality pictures).

To AV-IN2 terminal

- <Example>
- VCR
 - Laser disc player



NOTE

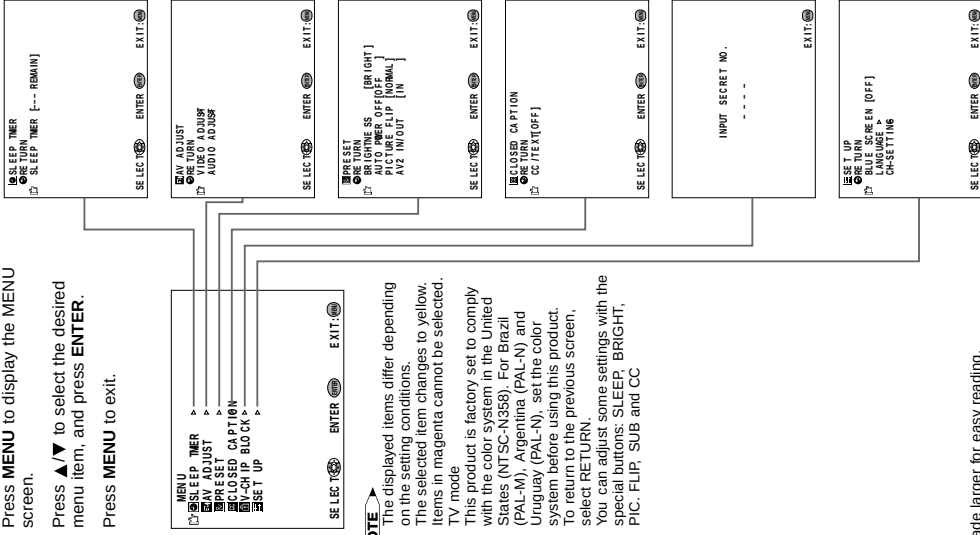
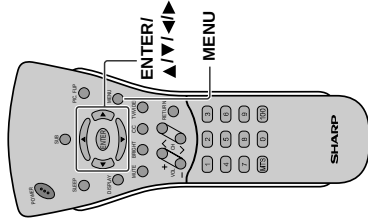
- PC connection is not possible.
- For the cable, use a commercially available audio/video cable.
- Only connect audio/video signals to AV-IN1 and 2 terminals. Connecting other signals may result in a malfunction.
- AV-IN1 has 2 video input terminals: VIDEO and S-VIDEO. When you connect external devices to both terminals (and if you select AV-IN1), you can only view pictures from the S-VIDEO terminal. To view the picture from the VIDEO terminal, do not connect any external device to the S-VIDEO terminal.
- For more information about external device connections, see the manuals of your external devices.

SELECTING MENU ITEMS

Selecting Menu Items

- This LCD TV set allows you to adjust the various settings using the menu screen. Select the desired menu item by following the steps below and then refer to the indicated page for details.

- 1 Press **MENU** to display the MENU screen.
- 2 Press **▲/▼** to select the desired menu item, and press **ENTER**.
- 3 Press **MENU** to exit.



NOTE

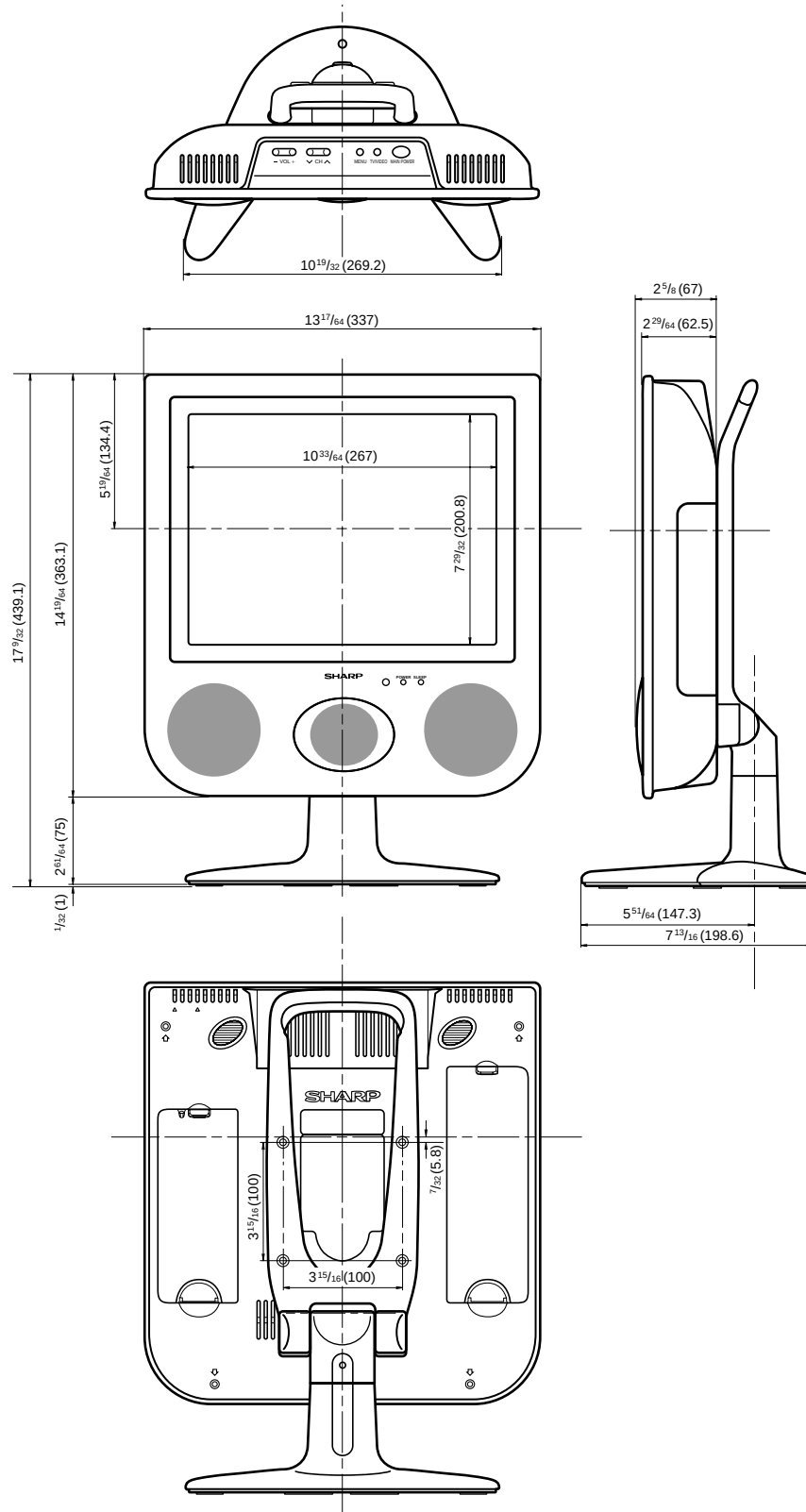
- The displayed items differ depending on the setting conditions.
- The selected item changes to yellow.
- Items in magenta cannot be selected.
- TV mode
- This product is factory set to comply with the color system in the United States (NTSC-N358). For Brazil (PAL-M), Argentina (PAL-N) and Uruguay (PAL-N), set the color system before using this product.
- To return to the previous screen, select RETURN.
- You can adjust some settings with the special buttons: SLEEP, BRIGHT, PIC, FLIP, SUB and CC

* The characters in the diagram are made larger for easy reading.

DIMENSIONS

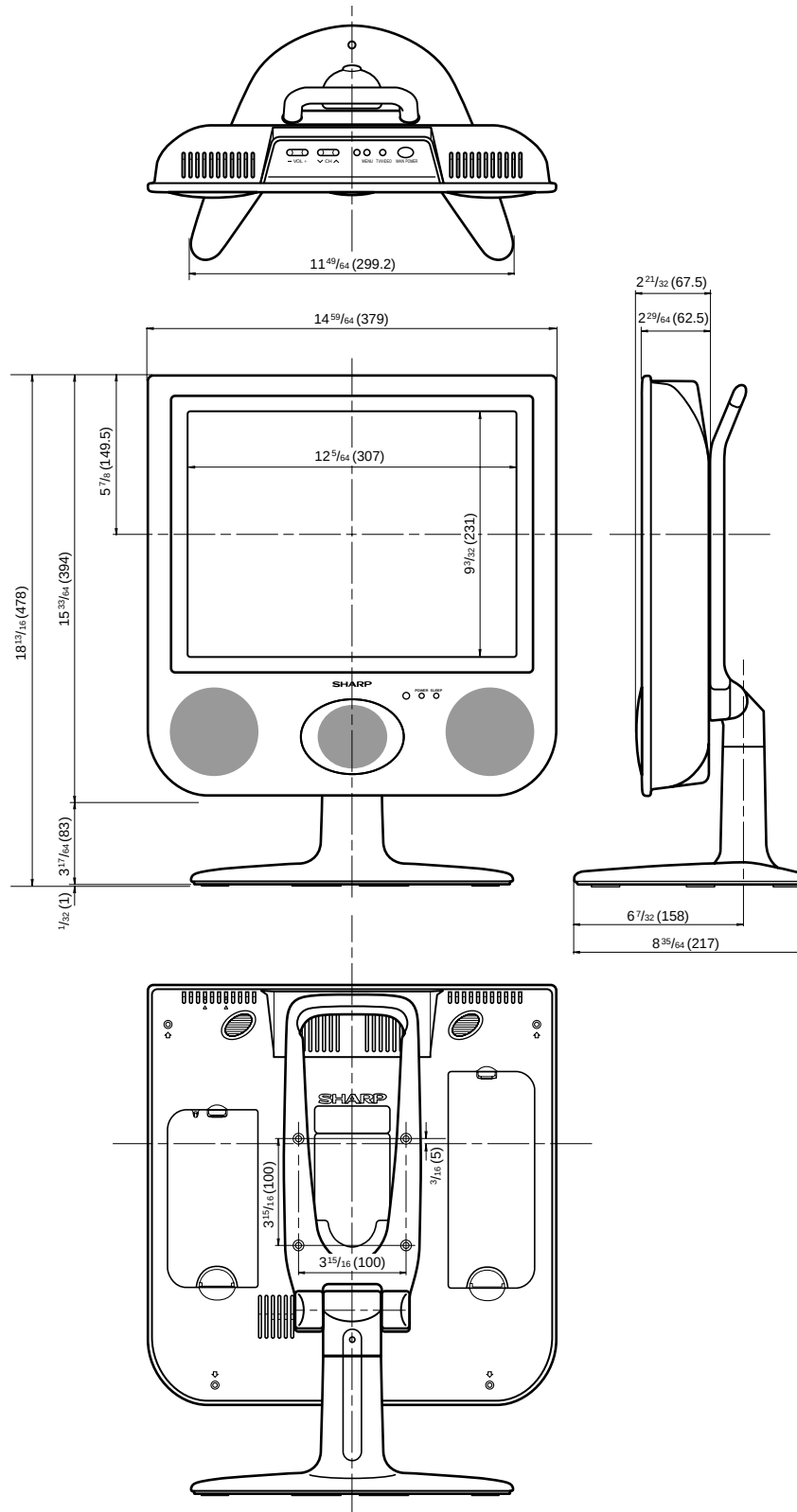
■ LC-13C3U-S

Unit: inch (mm)



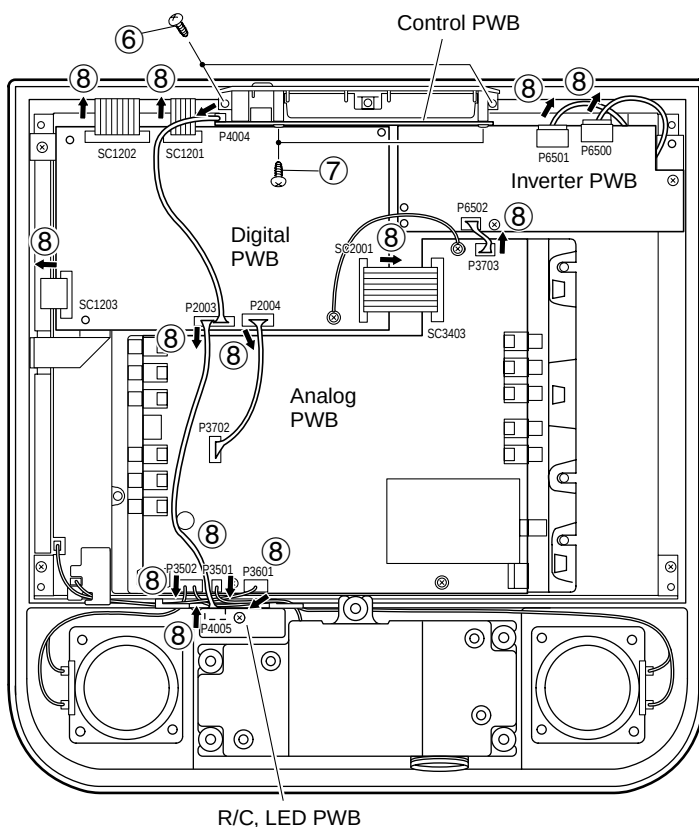
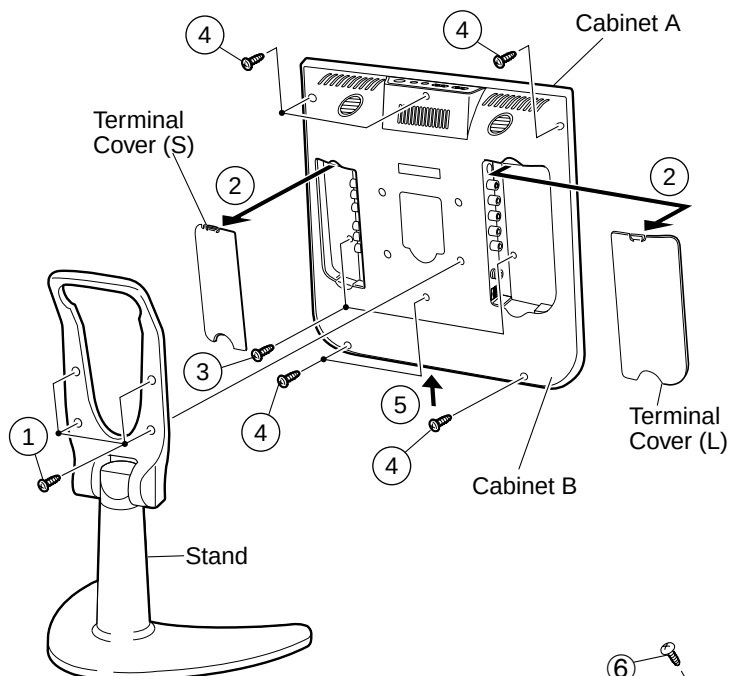
■ LC-15C3U-S

Unit: inch (mm)

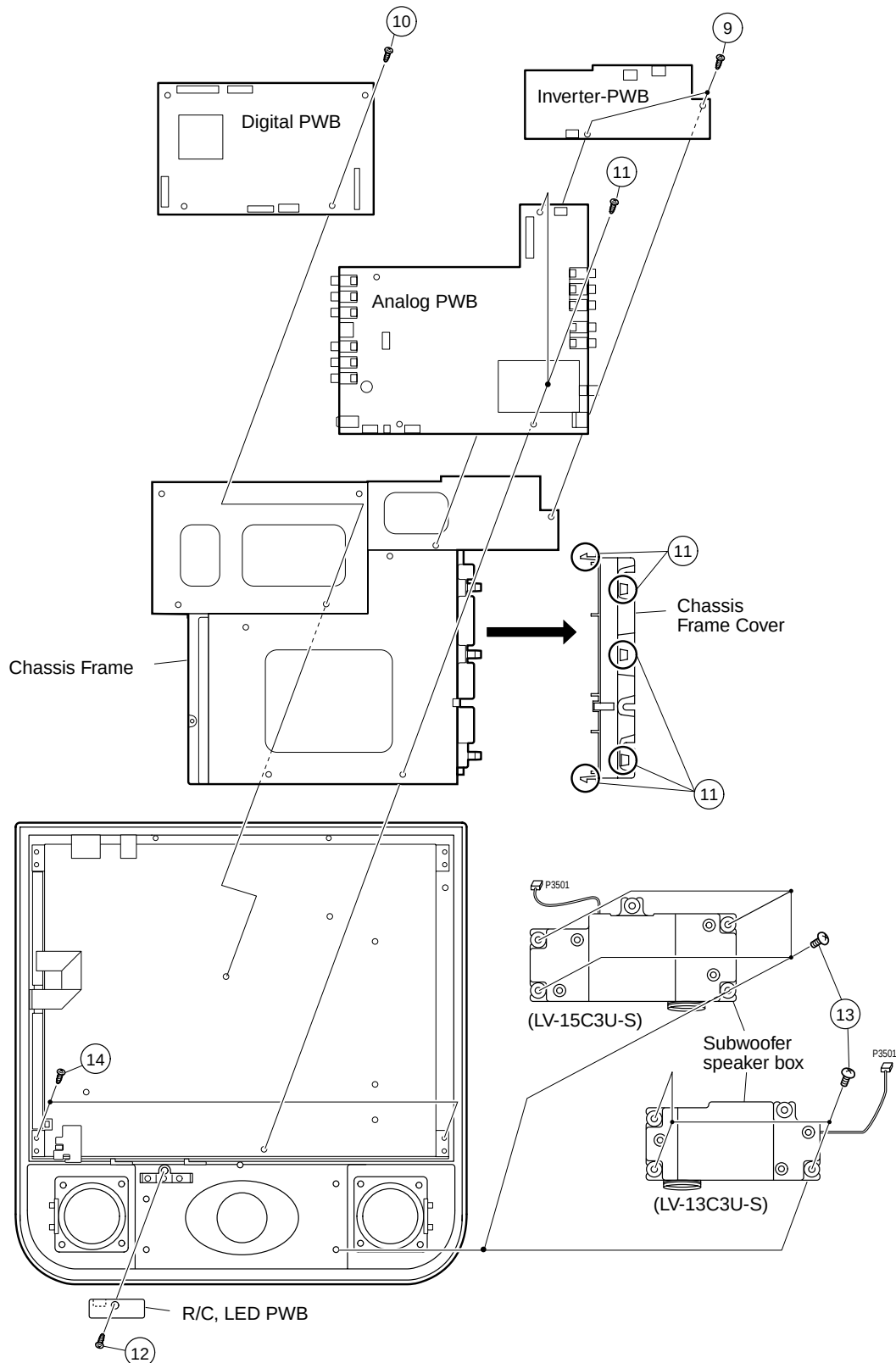


REMOVING OF MAJOR PARTS

1. Remove the table stand fixing screws (4 pcs.).
2. Remove the two terminal covers.
3. Remove the terminal section fixing screws (2 pcs.).
4. Remove the cabinet B fixing screws (6 pcs.).
5. Remove the cabinet B after opening from the direction of an arrow.
6. Remove the top cover fixing screws (2 pcs.).
7. Remove the control PWB fixing screws (2 pcs.).
8. Detach the connector from each PWB.



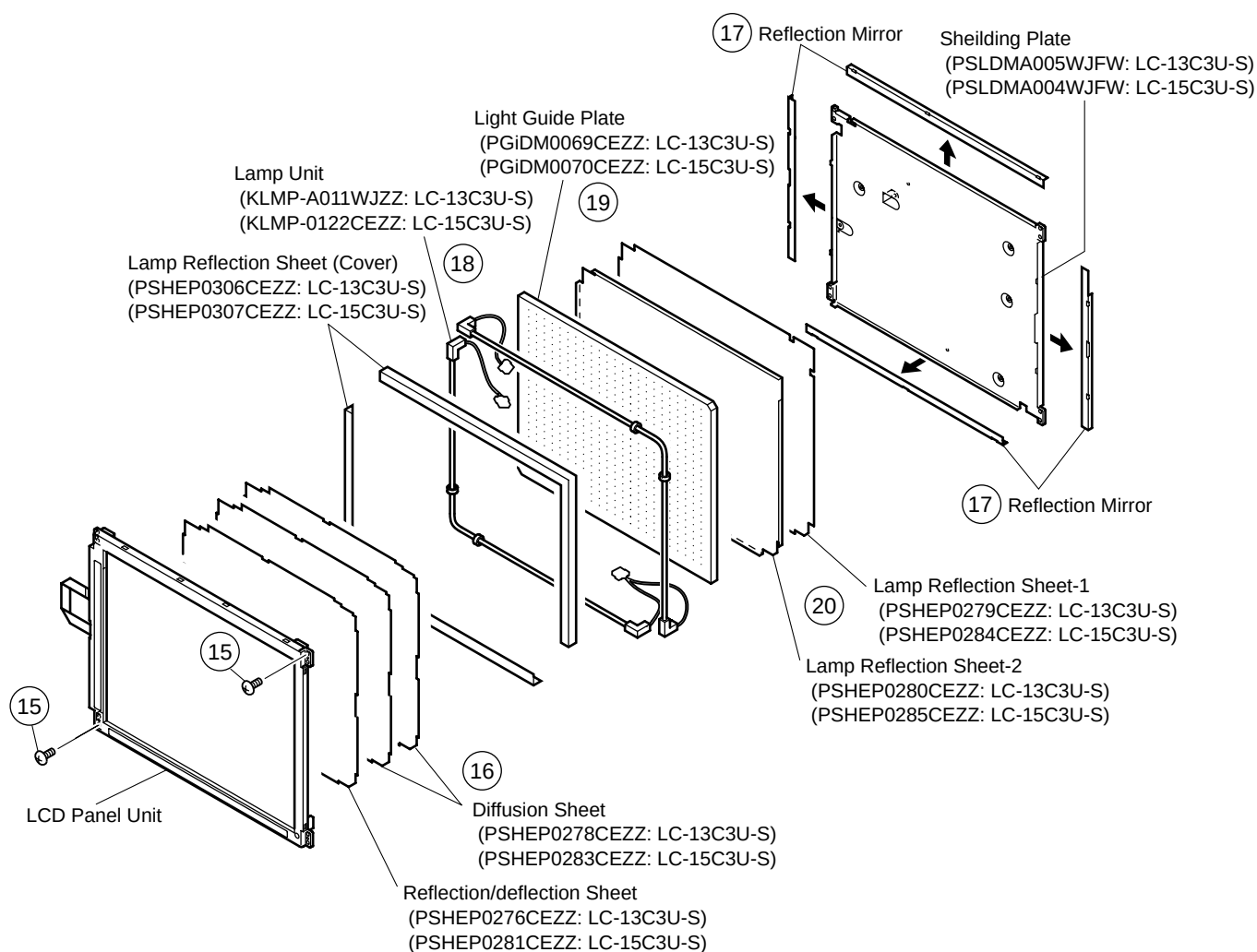
9. Remove the inverter PWB fixing screws (2 pc.).
10. Remove the digital PWB fixing screws (1 pcs.).
11. Remove the analog PWB fixing screws (2 pcs.) and detach the chassis frame cover fixing hooks.
12. Remove the R/C, LED PWB fixing screws (1 pc.).
13. Remove the Subwoofer speaker box fixing screws (3 pcs.)(LC-13C3U-S).
13. Remove the Subwoofer speaker box fixing screws (4 pcs.)(LC-15C3U-S).
14. Remove the LCD panel unit assy fixing screws (2 pcs.).



- **Precautions in handling the LCD panels**

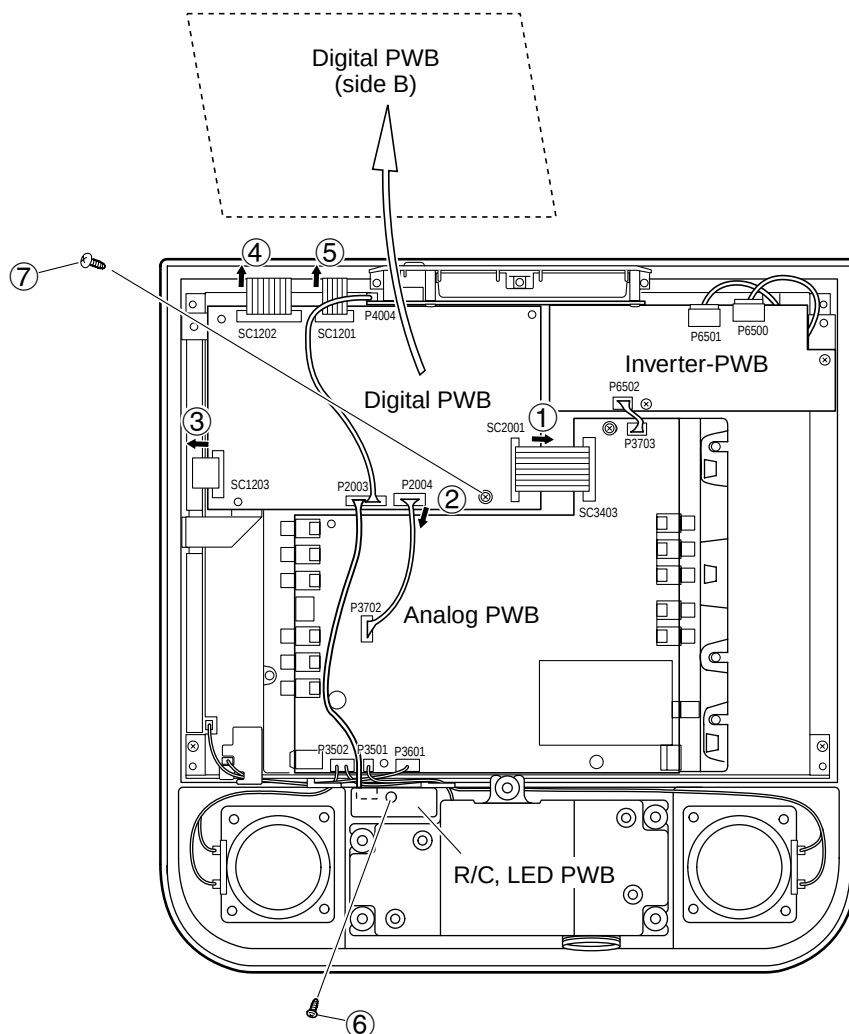
1. Work in a clean room (with humidities below 50%).
2. Be sure to wear an anti-static armband.
3. Handle the panels on an electroconductive mat.
4. Be careful not to fall, shake and shock the panels.

15. Remove the LCD panel unit fixing screws (2 pcs.).
16. Detach the two diffusion sheets and reflection/deflection sheet.
17. Detach the four reflection mirrors.
18. Remove the lamp unit.
19. Detach the lamp guide plate.
20. Detach the two lamp reflection sheets.



Precautions at the time of the side B(back) service of Digital unit.

1. Remove only SC2001 of the FFC for connection between Digital unit(SC2001) and Analog unit(SC3403), and connect the extended cable (QCNW-A556WJZZ) for service.
2. Remove only P2004 of the Connecting Cord for connection between Digital unit(P2004) and Analog unit(P3702), and connect the extended cable (QCNW-A552WJZZ) for service.
3. Remove the FFC for connection between Digital unit(SC1203) and LCD panel unit, and connect the extended cable (QCNW-A553WJZZ) for service.
4. Remove the FFC for connection between Digital unit(SC1202) and LCD panel unit, and connect the extended cable (QCNW-A556WJZZ) for service.
5. Remove the FFC for connection between Digital unit(SC1201) and LCD panel unit, and connect the extended cable (QCNW-A555WJZZ) for service.
6. Remove the R/C, LED unit fixing screws(1 pc.).
7. Remove the Digital unit fixing screws(1 pc.), a substrate is reversed.



Step	Part No.	Description
1	QCNW-A556WJZZ	Extention Cable 50-pin Digital (SC2001)-Analog (SC3403)
2	QCNW-A552WJZZ	Extention Cable 5-pin Digital (SC2004)-Analog (P3702)
3	QCNW-A553WJZZ	Extention Cable 30-pin Digital (SC1203)-LCD panel
4	QCNW-A556WJZZ	Extention Cable 50-pin Digital (SC1202)-LCD panel
5	QCNW-A555WJZZ	Extention Cable 20-pin Digital (SC1201)-LCD panel

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.

1. Preparation for Adjustments

(1) Use the exclusive-use AC adapter or stable DC power supply.

AC adapter: UADP-A009WJPZ

DC power supply: $12 \pm 0.5V$ (4.5A)

2. Special mode setting procedure

(1) After initialization of E²PROM the mode is changed to the adjustment mode.

[Procedure]

Connect TP2001 and TP2002 to GND, and turn on the power.

[Description]

- The initialization of microprocessor is as follows.
- AV position, DAC data, G/A data, sound processor data, and video chroma data adjustment values are taken as defaults.

(2) Adjustment mode

[Procedure]

Short-circuit TP2001 to GND, and turn on the power.

Or short-circuit TP2002 to GND, and turn on the power.

Or holding down the [TV/VIDEO] key and [MENU] key, turn on the main power, and simultaneously press the (inspection process) [CH ▼] key and [VOL–] key to change the mode to the adjustment mode.

[Description]

The manual adjustment or adjustment through communication with the automatic machine is performed.

(3) Shipping setting mode

[Procedure]

Holding down the [TV/VIDEO] key and [MENU] key, turn on the main power, and simultaneously press the (inspection process) [CH ▲] key and [VOL+] key to change the mode to the shipping setting mode.

Note: Keep it in mind to turn off the power immediately. If any key-in is accidentally made, the setting will be canceled.

[Description]

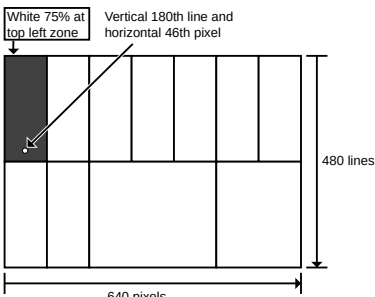
User adjustment and other values are taken as defaults.

If TV is indicated as SETTING COMPLETE, setting has been completed.

3. Cancel of special mode

Turn off the main unit power.

4. Adjustments

	Adjustment	Adjusting conditions	Adjusting method
1	B+ Adjustment (R3760)	1. Connect the DC voltmeter to pin 2 of P3702.	1. Adjust the "B+ Adj" value to $5.0 \pm 0.02V$ with R3760. * Keep the voltage at pin(2) of P3702 below 5.3V during the adjustment.
2	Inch Size setup (If E ² PROM is replaced) (IC2004)	1. Go to the adjustment mode.	1. Select "INCH SIZE" and adjust to "13"(LC-13C3U-S), "15"(LC-15C3U-S) with [VOL+] or [VOL-] key. * The color of "INCH SIZE" must be yellow.
3	Common-bias adjustment	1. Receive a B/W channel. 2. Go to the adjustment mode. 3. Select the "COM BIAS" with [MENU] key.	1. Adjust "COM BIAS" to the darkest screen with [VOL+] and [VOL-] key. * The color of "COM BIAS" must be yellow.
4	TAMP adjustment	1. Receive a half color bar signal in the TV mode so that the top left zone should turn white 75% as shown below. Other signal can be fed instead of the half color bar signal, however, if the point at the vertical 180th line and horizontal 46th pixel is of white 75%. (Make the adjustment based on the setting of this point.) 2. Adjust the "NTSC TAMP" setting on page 2 of adjustment process mode so that the "Y" reading on the same page should be BB - CA. 3. Make the same setting for the PAL-M TAMP and PAL-N TAMP data.	 White 75% at top left zone Vertical 180th line and horizontal 46th pixel 640 pixels 480 lines Page 2 of adjustment process mode <pre> 2 ▶ COM BIAS 140 NTSC TAMP 27 PAL-M TAMP 27 PAL-N TAMP 27 RCUTOFF 0 GCUTOFF 0 BCUTOFF 0 G3 B3 R3 00 00 00 G1 B4 Y DF DE B5 TAMP H C9 TAMP L BF GAIBU VER0.000 Y data (white 100%) </pre>
5	White balance adjustment	1. Receive the monoscope pattern signal. 2. Adjust the "RCUTOFF" and "BCUTOFF" settings on page 2 of adjustment process mode to achieve an optimum white balance.	1. Do not change the "GCUTOFF" setting because otherwise the black level may fluctuate.

5. Shipping setting list

Channel	2ch
Air/Cable	Air
Skip Data_CATV	All Skip
Skip Data_AIR	All Skip
Volume	20
Picture	30
Tint	0
Color	0
Black Level	0
SHARPNESS	0
RED-BLUE	0
GREEN	0
TV Color System	N358
AV Color System	Auto
Language	English
Blue Screen	Off
EZ Setup Auto Start	On
Sleep Timer	None
MTS	Stereo
Brightness	Bright
Auto Power Off	Off
Picture Flip	Normal
AV2 IN/OUT	In
CC/TEXT	OFF
V Chip block (MPAA)	None
(TV Guideline)	None
(Block Content)	All Unblock
(Status)	Off
(Input Secret No.)	Clear
Sub woofer	ON
Bass	0
Treble	0

Test patterns in adjustment process mode

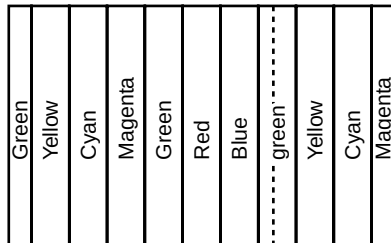
[1] IC801 (Video decoder) test patterns

1-1. Getting the test patterns displayed

Put the screen in AV1, AV2 or COMPONENT but keep out any signal. Call the adjustment process mode, select "TEST PATTERN" in the 3rd line of page 9, make the settings 1 thru 6, and the following test patterns show up.

1-2. Test patterns

● Setting 1

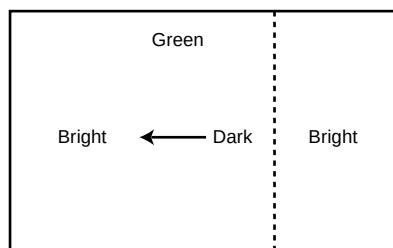


The color bars are displayed as shown at left.

● Setting 2

Finer vertical stripes than Setting 1 are displayed.

● Setting 3



The green pattern is displayed as shown at left.

● Setting 4

A rather dark green-only pattern is displayed.

● Setting 5

A half-tone green-only pattern is displayed.

● Setting 6

A rather bright green-only pattern is displayed.

[2] IC1201 (LCD controller) test pattern

2-1. Getting the test pattern displayed

Put the screen in AV1, AV2 or COMPONENT but keep out any signal. Call the adjustment process mode, select "G/A TEST PATTERN" in the 13th line of page 18, turn on the setting, and the following test pattern shows up.

2-2. Test pattern

The following test pattern appears.

	Dark	Gray scale	Bright	Dark
	Dark	Red	Bright	Dark
	Dark	Green	Bright	Dark
	Dark	Blue	Bright	Dark
White	Black 0-level gradation	Gray 16-level gradation	Gray 32-level gradation	Gray 48-level gradation
ite				White 63-level gradation

Note: When the IC801 and IC1201 test pattern display commands are both turned on at the same time, the IC1201 test pattern is given priority.

Pin functions of microprocessor IC (IC2001) RH-iXA460WJZZQ

No.	Pin name	Function	No.	Pin name	Function
1	V HOLD	Closed caption	51	REQ	Adjustment process
2	HLF	Closed caption	52	MON SW	BS fixed selector switch
3	MAIN SW	Main switch ON[H]/OFF[L]	53	SPMUTE1	Main Speaker mute
4	TIMELED	Off timer LED light-up	54	SPMUTE2	Sab Speaker mute
5	M/S OUT	N.C.	55	HPDET	Headphone detect at "L" level
6	CSYNC	Composite sync signal	56	SSTBY	Speaker standby (at "H" level)
7	IREM1	Remote control	57	VSH IN	Panel gate driver voltage check
8	BYTE	Grounding	58	LMUTE	Line out audio mute
9	CNVSS	Grounding	59	V IN/OUT	Video input/output select
10	XCIN	N.C.	60	SRESET	Multiplex reset at "L" level
11	XOUT	N.C.	61	BS. POW	N.C.
12	RESET	Reset at "L" level	62	VCC	Power
13	XOUT	Microprocessor oscillator connection	63	CARDPOW	N.C.
14	VSS	Grounding	64	VSS	Grounding
15	XIN	Microprocessor oscillator connection	65	TV/AV1	N.C.
16	VCC	Power	66	AV1/AV2	N.C.
17	OSCIN	OSD clock input	67	VIS/3DS	Analog switch 3 (3D YC)
18	OSCOU	N.C.	68	AV/SY/DY2	CCD input select 2 (3D YC)
19	PSWIN	Main power input	69	AV/SY/DY1	CCD input select 1 (3D YC)
20	SUBREADY	N.C.	70	STB	N.C.
21	BLK	OSD blanking output	71	PMUTE	N.C.
22	N.C.		72	POWOUT	DC/DC control output
23	DAC1CS	DAC1 chip select	73	ADPOW	N.C.
24	DAC2CS	DAC2 chip select	74	IREM 2	N.C.
25	D SW	D terminal connection detect	75	MP-RCS	G/A read enable
26	DTV	N.C.	76	MP-RDA	G/A data input
27	MRDY	I ² C bus open/closed select input	77	MP-CS	G/A chip select
28	SCL1	I ² C bus serial clock line 2	78	MP-DA	G/A data output
29	SCL2	I ² C bus serial clock line 1	79	MP-CLK	G/A clock
30	SDA2	I ² C bus serial data line 1	80	DDC-RESET	Digital decoder reset
31	SDA1	I ² C bus serial data line 2	81	KEY4	Key input 4
32	R	R signal output	82	KEY5	Key input 5
33	G	G signal output	83	CARDRESET	N.C.
34	B	B signal output	84	SAW-SW	N.C.
35	SUBD OUT	N.C.	85	MODE1	N.C.
36	SUBDIN	N.C.	86	MODE2	N.C.
37	SUBCLK	N.C.	87	SSYSTEM	N.C.
38	N.C.	N.C.	88	SSW	S terminal connect input at "L" level
39	MRDY OUT	N.C.	89	AFT	AFT voltage input
40	FCH	N.C.	90	AGC	AGC voltage input
41	3DYCRESET	3D Y/C separation IC reset (3D YC)	91	KEY1	Key input 1
42	L_ERR	Fluorescent lamp error detect input	92	KEY2	Key input 2
43	A IN/OUT	Audio input/output select	93	C/N	N.C.
44	N443	N.C.	94	POWIN	DC/DC start-up detect
45	PAL	N.C.	95	VSYNC	OSD vertical sync signal
46	SECAM	N.C.	96	AVSS	Analog power input (GND)
47	PAL_M	N.C.	97	HSYNC	OSD horizontal sync signal
48	N358	N.C.	98	TVSETB	Closed caption (GND)
49	PXOE	N.C.	99	AVCC	OSD power input
50	VSH OUT	Panel gate driver voltage control	100	CVIN	Closed caption signal input

Adjustment process mode menus at a glance

Page	Item	Initial setting		Function	Adjust/modify
		13-inch	15-inch		

Basic settings

1	MODEL	A460	A460	Model number	
	INCH SIZE	13	15	Inch unit select	Adjustment
	SYSTEM	AUTO	AUTO	Color system select	
	NTSC PWM FREQ	OCO	OCO	Dimmer frequency setting	
	PAL PWM FREQ	OBD	OBD	Dimmer frequency setting	
	NTSC PWM DUTY	0	0	Dimmer duty setting	
	PAL PWM DUTY	0	0	Dimmer duty setting	
	TV GAIN	OFF	OFF	Auto gain setting in TV mode	
	ERROR NO RESET	0	0	Lamp error count & reset	No. of lamp error detections
	PUBLIC MODE	OFF	OFF	HOTEL MODE	
	V-CHIP	1	1	VCHIP line mute setting	
	CANADIAN VCHIP	OFF	OFF	Canadian VCHIP setting	
	VER			Microprocessor Ver. No. display	

Video adjustments

2	COM BIAS	120	120	Counter bias adjustment	Adjustment
	NTSC TAMP	27	27	TAMP adjustment	Adjustment
	PAL-M TAMP	27	27	TAMP adjustment	Adjustment (Same setting as for NTSC TAMP)
	PAL-N TAMP	27	27	TAMP adjustment	Adjustment (Same setting as for NTSC TAMP)
	RCUTOFF	-1	-1	White balance adjustment (Red)	Adjustment
	GCUTOFF	0	0	Green cutoff adjustment	
	BCUTOFF	-1	-1	White balance adjustment (Blue)	Adjustment
	G3	00	00	Data read value	
	B3	00	00	Data read value	
	R3	00	00	Data read value	
	G1	00	00	Data read value	
	B4	00	00	Data read value	
	Y	00	00	Data read value at TAMP adjustment	Adjustment
	TAMP H	C9	C9	Y upper limit setting at TAMP adjustment	
	TAMP L	BF	BF	Y lower limit setting at TAMP adjustment	
3	GAIBU VER			External version display	
	TV NTSC CONT	50	50	Video contrast setting (TV NTSC)	
	TV PAL-M CONT	50	50	Video contrast setting (TV PAL-M)	
	TV PAL-N CONT	50	50	Video contrast setting (TV PAL-N)	
	AV NTSC CONTRAST	50	50	Video contrast setting (Composite, S Video)	
	AV PAL CONTRAST	50	50	Video contrast setting (Composite, S Video)	
	AV SECAM CONTRAST	50	50	Video contrast setting (Composite, S Video)	
	AV PAL-M CONTRAST	50	50	Video contrast setting (Composite, S Video)	
	AV PAL-N CONTRAST	50	50	Video contrast setting (Composite, S Video)	
	AV PAL60 CONTRAST	50	50	Video contrast setting (Composite, S Video)	
	G3	00	00	Data read value	
	B3	00	00	Data read value	
	R3	00	00	Data read value	
	G1	00	00	Data read value	
	B4	00	00	Data read value	
	Y	00	00	Data read value	

Audio adjustments

4	VOLUME	20	20	Volume	
	L-BOOST TEST	OFF	OFF	Adjustment process ultra-bass switch	
	PRESALE SCART	27	27	Pre-scale setting (External input)	
	PRESALE FM/AM-M	33	33	Pre-scale setting (TV)	
	AVC	OFF	OFF	AVC setting	
	MSP DATA	0	0	Audio IC MSP data write & read	
	MSP DATA	WAIT	WAIT	Write & read execution	
	CARRIER MUTE	ON	ON	Audio output setting out of sync with TV	
	IGR THR	12D	12D	IGR THRESH LEVEL	
	SP TEST	OFF	OFF	Audio test (FS mute 1,2 ON/OFF)	

Page	Item	Initial setting		Function	Adjust/modify
		13-inch	15-inch		
5	WF LVL+	-10	-12	WF level adjustment (Ultra-bass ON)	
	WF LVL-	-17	-20	WF level adjustment (Ultra-bass OFF)	
	WF FRQ+	190	180	WF LPF cut-off frequency setting (Ultra-bass ON)	
	WF FRQ-	190	180	WF LPF cut-off frequency setting (Ultra-bass OFF)	
	WF HPF+	02	02	LR HPF switch (Ultra-bass ON)	
	WF HPF-	02	02	LR HPF switch (Ultra-bass OFF)	
	MDB STR+	45	45	MDB effect level setting (Ultra-bass ON)	
	MDB STR-	45	45	MDB effect level setting (Ultra-bass OFF)	
	MDB LMT+	-07	-10	MDB limit value setting (Ultra-bass ON)	
	MDB LMT-	-07	-10	MDB limit value setting (Ultra-bass OFF)	
	MDB HMC+	00	00	MDB harmonics effect setting (Ultra-bass ON)	
	MDB HMC-	00	00	MDB harmonics effect setting (Ultra-bass OFF)	
	MDB HPF+	80	100	MDB bandwidth limit HPF cut-off frequency (Ultra-bass ON)	
	MDB HPF-	80	100	MDB bandwidth limit HPF cut-off frequency (Ultra-bass OFF)	
	MDB LPF+	170	160	MDB bandwidth limit LPF cut-off frequency (Ultra-bass ON)	
	MDB LPF-	170	160	MDB bandwidth limit LPF cut-off frequency (Ultra-bass OFF)	
6	WF(HP) LVL+	-08	-08	WF(HP) level adjustment (Ultra-bass ON)	
	WF(HP) LVL-	-15	-15	WF(HP) level adjustment (Ultra-bass OFF)	
	WF(HP) FRQ+	220	220	WF(HP) LPF cut-off frequency setting (Ultra-bass ON)	
	WF(HP) FRQ-	220	220	WF(HP) LPF cut-off frequency setting (Ultra-bass OFF)	
	WF(HP) HPF+	02	02	LR(HP) HPF switch (Ultra-bass ON)	
	WF(HP) HPF-	02	02	LR(HP) HPF switch (Ultra-bass OFF)	
	MDB(HP) STR+	45	45	MDB(HP) effect level setting (Ultra-bass ON)	
	MDB(HP) STR-	45	45	MDB(HP) effect level setting (Ultra-bass OFF)	
	MDB(HP) LMT+	00	00	MDB(HP) limit value setting (Ultra-bass ON)	
	MDB(HP) LMT-	00	00	MDB(HP) limit value setting (Ultra-bass OFF)	
	MDB(HP) HMC+	00	00	MDB(HP) harmonics effect setting (Ultra-bass ON)	
	MDB(HP) HMC-	00	00	MDB(HP) harmonics effect setting (Ultra-bass OFF)	
	MDB(HP) HPF+	50	50	MDB(HP) bandwidth limit HPF cut-off frequency (Ultra-bass ON)	
	MDB(HP) HPF-	50	50	MDB(HP) bandwidth limit HPF cut-off frequency (Ultra-bass OFF)	
	MDB(HP) LPF+	150	150	MDB(HP) bandwidth limit LPF cut-off frequency (Ultra-bass ON)	
	MDB(HP) LPF-	150	150	MDB(HP) bandwidth limit LPF cut-off frequency (Ultra-bass OFF)	
7	GEQ BAND01+	-3.5	-3.5	Equalizer setting 1	
	GEQ BAND01-	-3.5	-3.5	Equalizer setting 1	
	GEQ BAND02+	-2.0	-1.0	Equalizer setting 2	
	GEQ BAND02-	-2.0	-1.0	Equalizer setting 2	
	GEQ BAND03+	-1.0	-0.5	Equalizer setting 3	
	GEQ BAND03-	-1.0	-0.5	Equalizer setting 3	
	GEQ BAND04+	-1.0	-0.5	Equalizer setting 4	
	GEQ BAND04-	-1.0	-0.5	Equalizer setting 4	
	GEQ BAND05+	-1.0	00	Equalizer setting 5	
	GEQ BAND05-	-3.0	-3.0	Equalizer setting 5	

Video adjustments (VPC settings)

8	I2C DATA	0	0	I ² C bus control IC data write & read	
	I2C DATA	WAIT	WAIT	Write & read execution	
	CBW	1	1	Chroma band pass setting	
	NOSEL	3	3	Comb filter setting	
	DDR	0	0	Comb filter setting	
	HG	2	2	Comb filter setting	
	VDG	1	1	Comb filter setting	
	VPK	3	3	Comb filter setting	
	KILVL 08	08	08	Color killer level setting	
	KILHY 05	05	05	Color killer hysteresis setting	
	VSNC DELAY	29	29	V sync phase setting	
	DVCO	-720	-720	DVCO setting	
	AUTO LCK	1	1	Line lock mode setting	

Page	Item	Initial setting		Function	Adjust/modify
		13-inch	15-inch		

Video adjustments (component)

9	VPC DATA	0	0	Video IC VPC data write & read	
	VPC DATA	WAIT	WAIT	Write & read execution	
	TEST PATTERN	0	0	VPC test pattern select	Video IC test pattern
	AUTO LDLY	-2	-2	Y/C phase setting	
	DVD NTSC CR	25	25	Color density setting (Component)	
	DVD NTSC CB	28	28	Color density setting (Component)	
	DVD NTSC TINT	+7	+7	Color tone setting (Component)	
	DVD NTSC BRIGHTNESS	+64	+64	Brightness setting (Component)	
	DVD NTSC CONTRAST	28	28	Video setting (Component)	
	DVD NTSC P FILTER	0	0	Peaking filter setting (Component)	
	DVD NTSC H-PEAKING	3	3	Picture quality setting (Component)	
	DVD NTSC BRIGHT2	+9	+8	Brightness setting 2 (Component)	
10	DVD NTSC CONTRAST2	48	48	Video setting 2 (Component)	
	DVD PAL CR	31	31	Color density setting (Component)	
	DVD PAL CB	31	31	Color density setting (Component)	
	DVD PAL TINT	0	0	Color tone setting (Component)	
	DVD PAL BRIGHTNESS	+64	+64	Brightness setting (Component)	
	DVD PAL CONTRAST	27	27	Video setting (Component)	
	DVD PAL P FILTER	0	0	Peaking filter setting (Component)	
	DVD PAL H-PEAKING	3	3	Picture quality setting (Component)	
	DVD PAL BRIGHT2	+9	+9	Brightness setting 2 (Component)	
	DVD PAL CONTRAST2	48	48	Video setting 2 (Component)	

Video adjustments (TV, composite & S video)

11	N358 TV COLOR	2600	2600	Color density setting (TV)	
	N358 AV COLOR	2600	2600	Color density setting (Composite, S video)	
	N358 TV TINT	+70	+70	Color tone setting (TV)	
	N358 AV TINT	+70	+70	Color tone setting (Composite, S video)	
	N358 BRIGHTNESS	+9	+8	Brightness setting (TV, composite, S video)	
	N358 PEAKING FILTER	0	0	Peaking filter setting (TV, composite, S video)	
	N358 TV H-PEAKING	3	3	Picture quality setting (TV)	
	N358 AV H-PEAKING	3	3	Picture quality setting (Composite, S video)	
	N358 AVO START	156	156	Horizontal position setting	
	N358 SFIF	0	0	Horizontal position setting	
	N358 SCINC1	1601	1601	Roundness setting	
	N358 TV LDLY	-2	-2	Y/C phase setting (TV)	
12	N358 AV LDLY	-2	-2	Y/C phase setting (Composite, S video)	
	N443 AV COLOR	2600	2600	Color density setting (Composite, S video)	
	N443 AV TINT	+70	+70	Color tone setting (Composite, S video)	
	N443 BRIGHTNESS	+9	+8	Brightness setting (TV, composite, S video)	
	N443 PEAKING FILTER	0	0	Peaking filter setting (TV, composite, S video)	
	N443 AV H-PEAKING	3	3	Picture quality setting (Composite, S video)	
	N443 AVO START	156	156	Horizontal position setting	
	N443 SFIF	0	0	Horizontal position setting	
	N443 SCINC1	1601	1601	Roundness setting	
	N443 AV LDLY	-2	-2	Y/C phase setting (Composite, S video)	

Video adjustments (TV, composite & S video)

13	PAL AV COLOR	2600	2600	Color density setting (Composite, S video)	
	PAL AV TINT	+70	+70	Color tone setting (Composite, S video)	
	PAL BRIGHTNESS	+9	+8	Brightness setting (TV, composite, S video)	
	PAL PEAKING FILTER	0	0	Peaking filter setting (TV, composite, S video)	
	PAL AV H-PEAKING	3	3	Picture quality setting (Composite, S video)	
	PAL AVO START	156	156	Horizontal position setting	
	PAL SFIF	0	0	Horizontal position setting	
	PAL SCINC1	1601	1601	Roundness setting	
	PAL AV LDLY	-2	-2	Y/C phase setting (Composite, S video)	

Page	Item	Initial setting		Function	Adjust/modify
		13-inch	15-inch		

Video adjustments (TV, composite & S video)

14	SECAM AV COLOR	2600	2600	Color density setting (Composite, S video)	
	SECAM AV TINT	+70	+70	Color tone setting (Composite, S video)	
	SECAM BRIGHTNESS	+9	+8	Brightness setting (TV, composite, S video)	
	SECAM PEAKING FILTER	0	0	Peaking filter setting (TV, composite, S video)	
	SECAM AV H-PEAKING	3	3	Picture quality setting (Composite, S video)	
	SECAM AVO START	156	156	Horizontal position setting	
	SECAM SFIF	0	0	Horizontal position setting	
	SECAM SCINC1	1601	1610	Roundness setting	
	SECAM AV LDLY	-2	-2	Y/C phase setting (Composite, S video)	
15	PAL-M TV COLOR	2600	2600	Color density setting (TV)	
	PAL-M AV COLOR	2600	2600	Color density setting (Composite, S video)	
	PAL-M TV TINT	+70	+70	Color tone setting (TV)	
	PAL-M AV TINT	+70	+70	Color tone setting (Composite, S video)	
	PAL-M BRIGHTNESS	+9	+8	Brightness setting (TV, composite, S video)	
	PAL-M PEAKING FILTER	0	0	Peaking filter setting (TV, composite, S video)	
	PAL-M TV H-PEAKING	3	3	Picture quality setting (TV)	
	PAL-M AV H-PEAKING	3	3	Picture quality setting (Composite, S video)	
	PAL-M AVO START	156	156	Horizontal position setting	
	PAL-M SFIF	0	0	Horizontal position setting	
	PAL-M SCINC1	1601	1601	Roundness setting	
	PAL-M TV LDLY	-2	-2	Y/C phase setting (TV)	
	PAL-M AV LDLY	-2	-2	Y/C phase setting (Composite, S video)	
16	PAL-N TV COLOR	2600	2600	Color density setting (TV)	
	PAL-N AV COLOR	2600	2600	Color density setting (Composite, S video)	
	PAL-N TV TINT	+70	+70	Color tone setting (TV)	
	PAL-N AV TINT	+70	+70	Color tone setting (Composite, S video)	
	PAL-N BRIGHTNESS	+9	+8	Brightness setting (TV, composite, S video)	
	PAL-N PEAKING FILTER	0	0	Peaking filter setting (TV, composite, S video)	
	PAL-N TV H-PEAKING	3	3	Picture quality setting (TV)	
	PAL-N AV H-PEAKING	3	3	Picture quality setting (Composite, S video)	
	PAL-N AVO START	156	156	Horizontal position setting	
	PAL-N SFIF	0	0	Horizontal position setting	
	PAL-N SCINC1	1601	1601	Roundness setting	
	PAL-N TV LDLY	-2	-2	Y/C phase setting (TV)	
	PAL-N AV LDLY	-2	-2	Y/C phase setting (Composite, S video)	
17	PAL60 AV COLOR	2600	2600	Color density setting (Composite, S video)	
	PAL60 AV TINT	+70	+70	Color tone setting (Composite, S video)	
	PAL60 BRIGHTNESS	+9	+8	Brightness setting (TV, composite, S video)	
	PAL60 PEAKING FILTER	0	0	Peaking filter setting (TV, composite, S video)	
	PAL60 AV H-PEAKING	3	3	Picture quality setting (Composite, S video)	
	PAL60 AVO START	156	156	Horizontal position setting	
	PAL60 SFIF	0	0	Horizontal position setting	
	PAL60 SCINC1	1601	1601	Roundness setting	
	PAL60 AV LDLY	-2	-2	Y/C phase setting (Composite, S video)	

Search AFT reference settings & LCD controller settings

18	AFT UP	2.7	2.7	AFT reference voltage	
	AFT DOWN	1.8	1.8	AFT reference voltage	
	NTSC 01	8C	8C	Initial settings	
	NTSC 02	C0	C0	Various settings	
	NTSC 03	81	81	RCUTOFF	
	NTSC 04	00	00	GCUTOFF	
	NTSC 05	81	81	BCUTOFF	
	NTSC 06	0B	0B	Horizontal display position	
	NTSC 07	10	10	Vertical display position	
	NTSC 08	00	00	UV data phase delay	
	NTSC 09	4C	4C	Panel clock adjustment	
	NTSC 0A	4B	4B	Display screen top/bottom mask position	
	NTSC 10	80	80	Test pattern display	
	NTSC 11	00	00	Test pattern data	
	NTSC 12	00	00	Horizontal display mask (Left) position	
	NTSC 13	00	00	Horizontal display mask (Right) position	
	NTSC E0	00	00	FIFO TEST	
	NTSC E1	03	03	Sync polarity reversal	
	NTSC F0	07	07	OFL terminal operation setting	

Page	Item	Initial setting		Function	Adjust/modify
		13-inch	15-inch		
18	NTSC F1	00	00	Inverter frequency setting	
	NTSC F2	00	00	Inverter duty setting	
	NTSC F3	C0	C0	Dimmer frequency setting, lower level	
	NTSC F4	00	00	Dimmer frequency setting, upper level	
	NTSC F5	00	00	Dimmer PWM setting, lower level	
	NTSC F6	00	00	Dimmer PWM setting, upper level	
	NTSC F7	00	00	OFL 1/2 phase	
	NTSC 14	02	02	System clock setting	
19	G/A TEST PATTERN	OFF	OFF	Gradation test pattern display	LCD controller IC test pattern
	PAL 01	8E	8E	Initial settings	
	PAL 02	C8	C8	Various settings	
	PAL 03	81	81	RCUTOFF	
	PAL 04	00	00	GCUTOFF	
	PAL 05	81	81	BCUTOFF	
	PAL 06	13	13	Horizontal display position	
	PAL 07	18	18	Vertical display position	
	PAL 08	02	02	UV data phase delay	
	PAL 09	4C	4C	Panel clock adjustment	
	PAL 0A	4A	4A	Display screen top/bottom mask position	
	PAL 10	80	80	Test pattern display	
	PAL 11	00	00	Test pattern data	
	PAL 12	00	00	Horizontal display mask (Left) position	
	PAL 13	00	00	Horizontal display mask (Right) position	
	PAL E0	00	00	FIFO TEST	
	PAL E1	03	03	Sync polarity reversal	
	PAL F0	07	07	OFL terminal operation setting	
	PAL F1	00	00	Inverter frequency setting	
	PAL F2	00	00	Inverter duty setting	
	PAL F3	BD	BD	Dimmer frequency setting, lower level	
	PAL F4	00	00	Dimmer frequency setting, upper level	
	PAL F5	00	00	Dimmer PWM setting, lower level	
	PAL F6	00	00	Dimmer PWM setting, upper level	
	PAL F7	00	00	OFL 1/2 phase	
	PAL 14	02	02	System clock setting	
	CLOSED CAPTION	15	15	Closed caption thresh level	
	CCD ISO	16	16	Closed caption phase setting	
	AIR SERCH	1.600	1,600	Last synchronous judging frequency at the AIR CH SEARCH	

Gradation & COM settings

20	V255	255	255	Gradation power reference voltage	
	V255 BIAS	127	127	Gradation power reference voltage	
	V235	226	226	Gradation power reference voltage	
	V235 BIAS	127	127	Gradation power reference voltage	
	V176	138	137	Gradation power reference voltage	
	V176 BIAS	150	150	Gradation power reference voltage	
	V112	103	103	Gradation power reference voltage	
	V112 BIAS	170	170	Gradation power reference voltage	
	V64	72	73	Gradation power reference voltage	
	V64 BIAS	40	40	Gradation power reference voltage	
	V32	62	62	Gradation power reference voltage	
	V32 BIAS	45	45	Gradation power reference voltage	
21	V21	49	50	Gradation power reference voltage	
	V21 BIAS	50	50	Gradation power reference voltage	
	V17	45	45	Gradation power reference voltage	
	V17 BIAS	55	55	Gradation power reference voltage	
	V7	29	29	Gradation power reference voltage	
	V7 BIAS	65	65	Gradation power reference voltage	
	V0	0	0	Gradation power reference voltage	
	V0 BIAS	80	130	Gradation power reference voltage	
	VGL ADJ	27	27	VGL bias setting	
	VGL COM	215	215	VGL COM setting	
	COM	181	181	COM amplitude setting	
	G/A READDATA	00 00	00 00	Controller read data setting	
	G/A READDATA	WAIT	WAIT	Read execution	

Page	Item	Initial setting		Function	Adjust/modify
		13-inch	15-inch		

Three-dimensional settings & sync ID settings

22	3D Y/C	0	0	3D ON/OFF setting	
	3D Y/C DATA	0	0	3D YC data write & read	
	3D Y/C DATA	WAIT	WAIT	Write & read execution	
	LSYNC	625	625	Sync ID threshold level (TV)	
	HSYNC	655	655	Sync ID threshold level (TV)	
	AVSYNC	5000	5000	Sync ID threshold level (External input)	
	VPC FP20H	DATA0000	DATA0000	VPC data read value	
	VPC FP21H	DATA0000	DATA0000	VPC data read value	
	VPC FP13H	DATA0000	DATA0000	VPC data read value	
	MSP DEMO200H	DATA0000	DATA0000	MSP data read value	
	L ERROR WAIT	15s	15s	Lamp error detect wait time	
	L ERROR H TIME	1.0s	1.0s	Lamp error detect time	
	VPC I2C 20H	24	24	Sync control setting	

Power off mode settings & Measure against baund setting

23	DENKA PORT	OFF	OFF	Power off mode setting	
	DENKA TESTP	00	00	Power off mode setting	
	DENKA TESTP2	30ms	30ms	Power off mode setting	
	FP12TIM	700	700	Measure against vertical baund	
	REMOCON CODE			Received remote control code display	

PUBLIC MODE

1. Outline

The Public mode is designed to limit the functions of LCD TV sets that are set up at hotels, public places (hospitals, for example), shop fronts and similar locations.

Note:

In the Public mode, some user settings may fail to be changed later. The Closed Caption, V-Chip, MTS and some other functions, as well as the volume control must be preset before getting the TV set into the Public mode.

2. Setting procedure

Take the following steps to go to the Public mode.

Call the adjustment process mode, and turn on [PUBLIC MODE]. (Getting started in the Public mode)

On the Public mode setup screen, make necessary settings. (Making settings in the Public mode)

3. Getting started in the Public mode

Hold down the [TV/VIDEO] and [MENU] buttons at once, and press the MAIN POWER switch to power on the TV set.

Then press the [CH▼] and [VOL-] buttons at once to go to the adjustment process mode.

Now press the [MENU] button and select [PUBLIC MODE]. Press the [VOL+] button to turn on the Public mode.

And power off the TV set.

4. Making settings in the Public mode

Before taking the steps below, make sure the TV set is in the Public mode (PUBLIC MODE on).

Hold down the [VOL-] and [CH▼] buttons at once, and press the MAIN POWER switch to power on the TV set again. The PUBLIC MODE screen shows up.

PUBLIC MODE	
MAXIMUM VOLUME	[60]
VOLUME FIXED	[VARIABLE]
REMOTE CONTROL	[RESPOND]
USER CONTROL	[RESPOND]
ON SCREEN DISPLAY	[YES]
AV1 INPUT	[NORMAL]
RESET	
ENTER	

Using the [CH▼] or [CH▲] button, select an item.

Using the [VOL-] or [VOL+] button, change the setting.

Note:

Finally be sure to select [ENTER] and press the [VOL-] or [VOL+] button to save the new setting.

Item	Default	Setting	Function
MAXIMUM VOLUME	60	1~60	Sets the highest sound volume level. (The volume level is expressed in digital form only.)
VOLUME FIXED	VARIABLE	VARIABLE	Makes the sound volume adjustable.
		FIXED	Keeps the sound volume fixed. (The sound volume is fixed at the then level. The Volume and Mute characters are not displayed onscreen.)
REMOTE CONTROL	RESPOND	RESPOND	Activates the remote controller.
		NO RESPOND	Deactivates the remote controller. (The buttons on the TV set are operative.)
USER CONTROL	RESPOND	RESPOND	Activates the buttons on the TV set.
		NO RESPOND	Deactivates the buttons on the TV set. (The remote controller alone is operative.)
ON SCREEN DISPLAY	YES	YES	Activates the onscreen display.
		NO	Deactivates the onscreen display.
AV1 INPUT	NORMAL	NORMAL	Usual operation.
		START	Enters the AV1 mode when powered on. (Switchable between TV and VIDEO)
		AV1 FIXED	Keeps the TV set fixed at the AV1 mode. (Unswitchable between TV and VIDEO)
RESET			Returns all the settings to their defaults.
ENTER			Saves new settings.

5. Quitting the Public mode

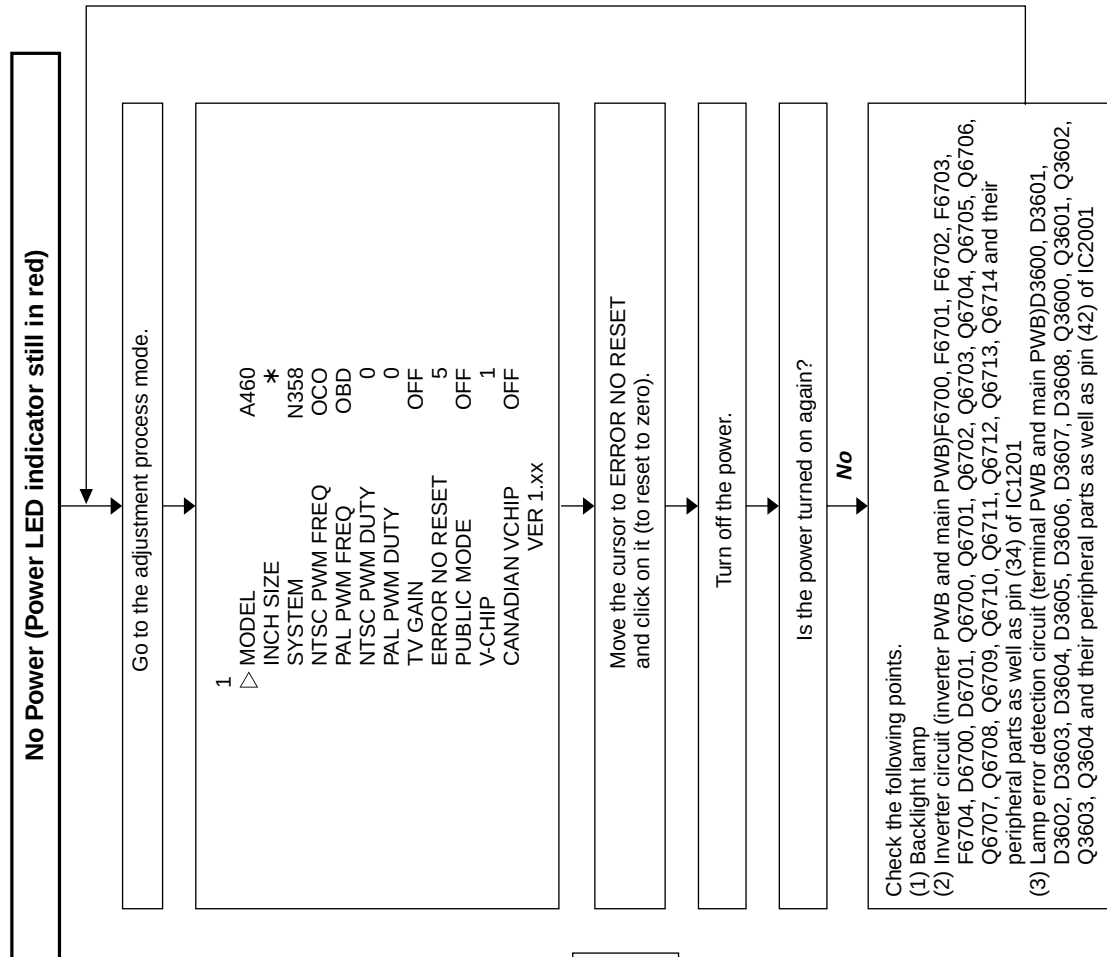
Hold down the [TV/VIDEO] and [MENU] buttons at once, and press the MAIN POWER switch to power on the TV set.

Then press the [CH▼] and [VOL-] buttons at once to go to the adjustment process mode.

Now press the [MENU] button and select [PUBLIC MODE]. Press the [VOL+] button to turn off the Public mode.

Finally power off the TV set.

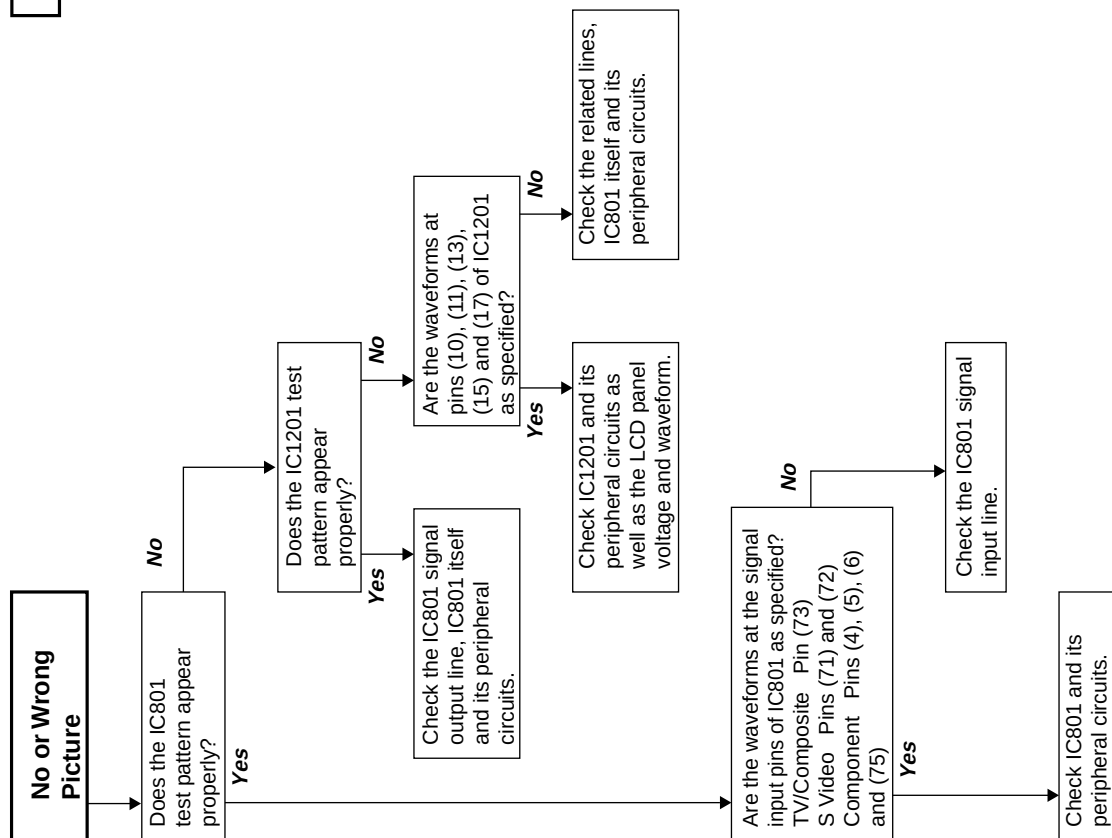
TROUBLE SHOOTING TABLE



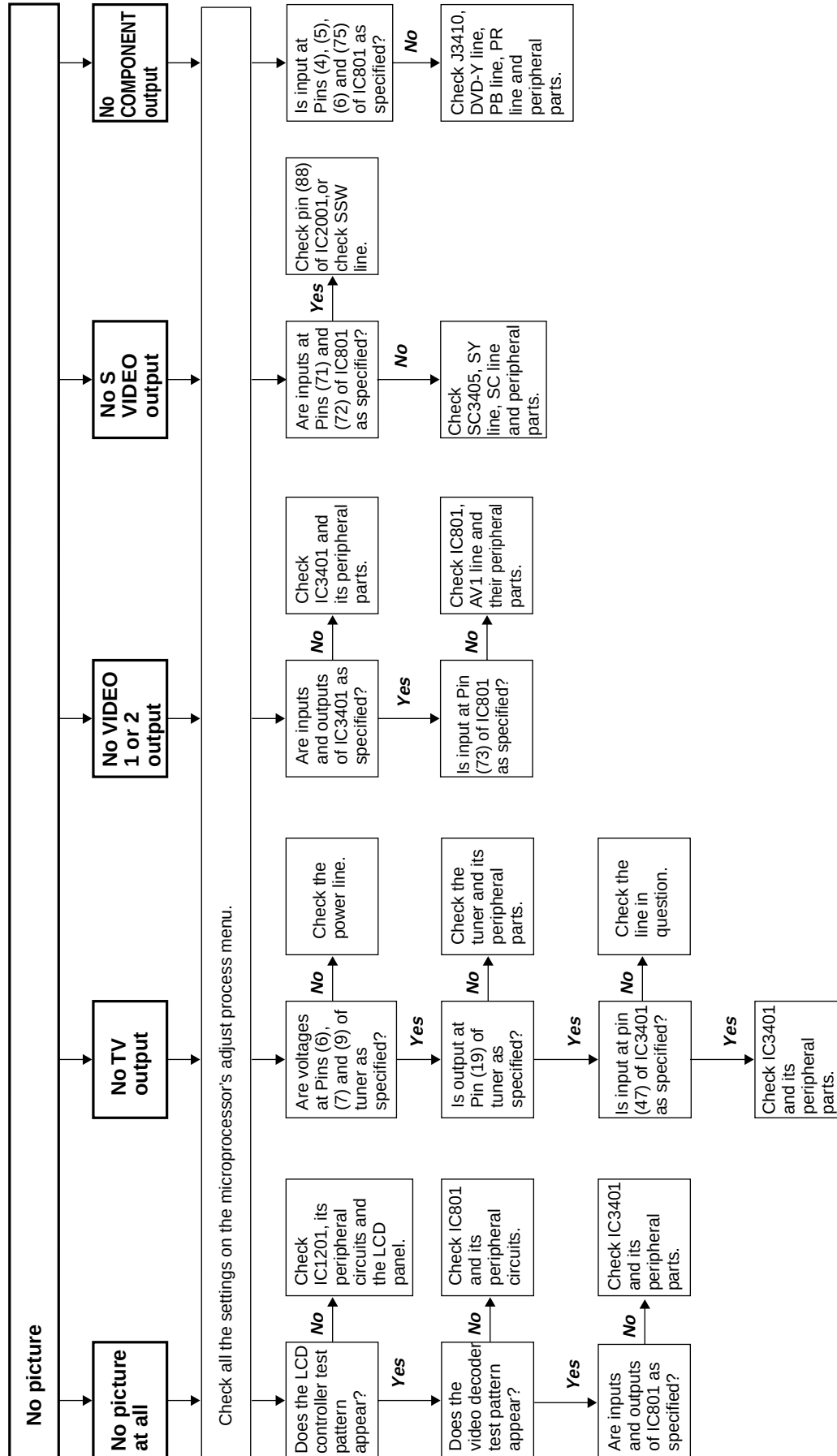
Note:

This model is equipped with the lamp error detection function that detects the current flowing into the fluorescent lamp and protects the backlight lamp drive circuit. If a lamp error is detected, the microprocessor interrupts the unit and the ERROR NO RESET setting will go up. When the ERROR NO RESET setting has reached "5", the microprocessor turns and keeps off the unit's power. To resume the power, take the above procedure to clear the ERROR NO RESET setting.

*13(LC-13C3U-S), 15(LC-15C3U-S)



TROUBLE SHOOTING TABLE (Continued)

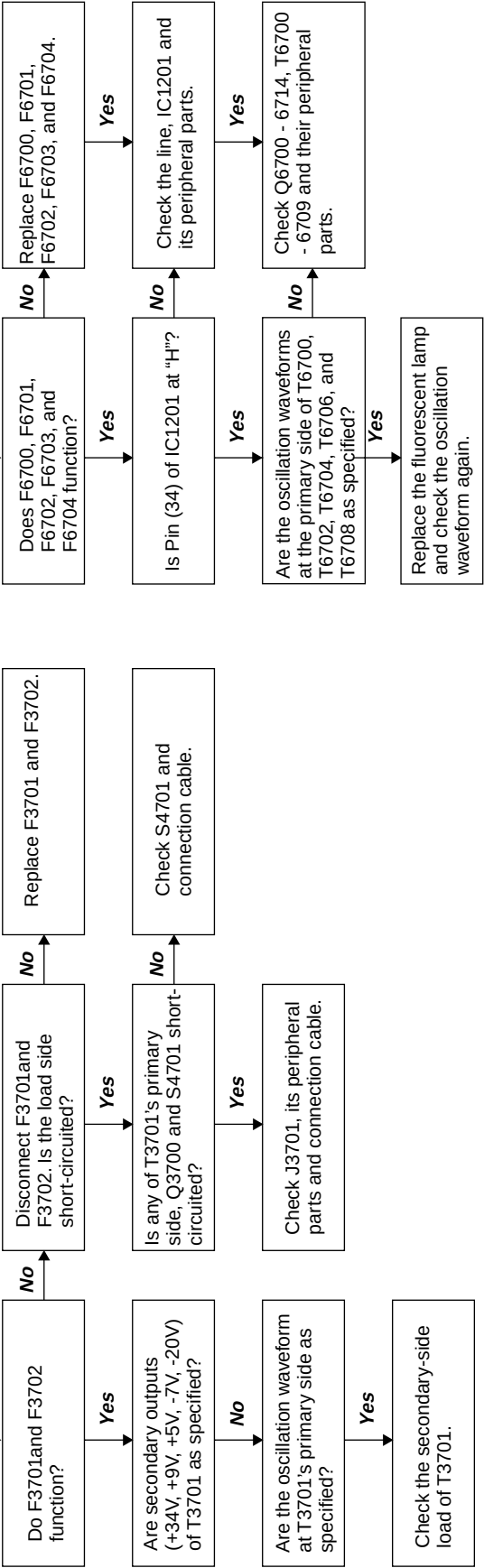


TROUBLE SHOOTING TABLE (Continued)

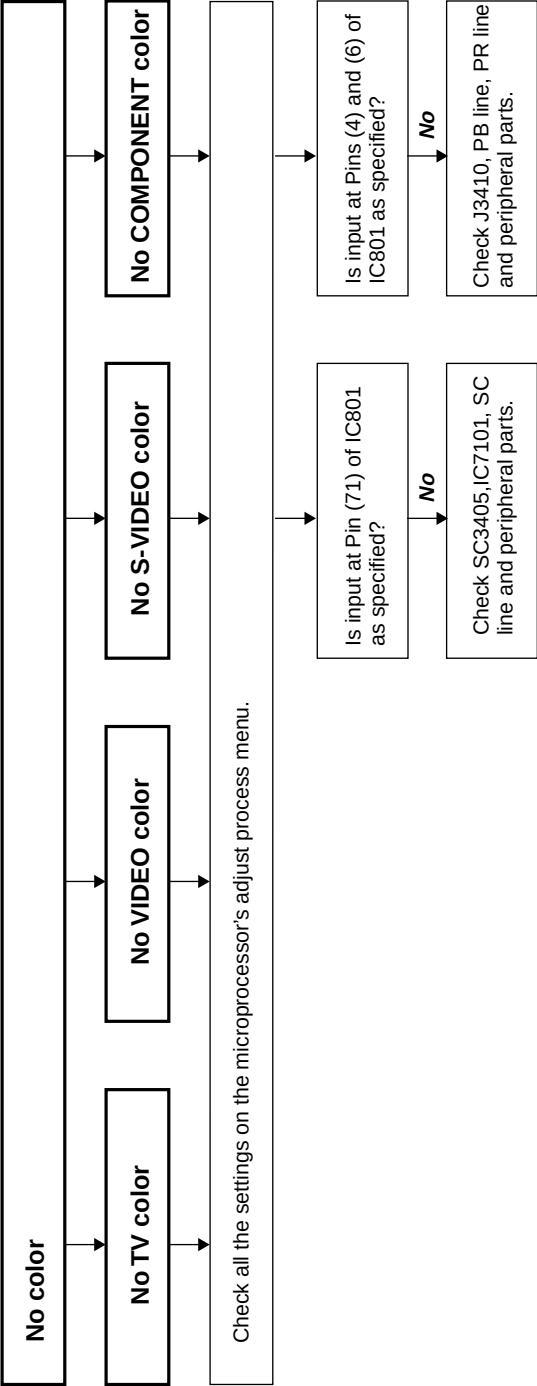
No picture and sound

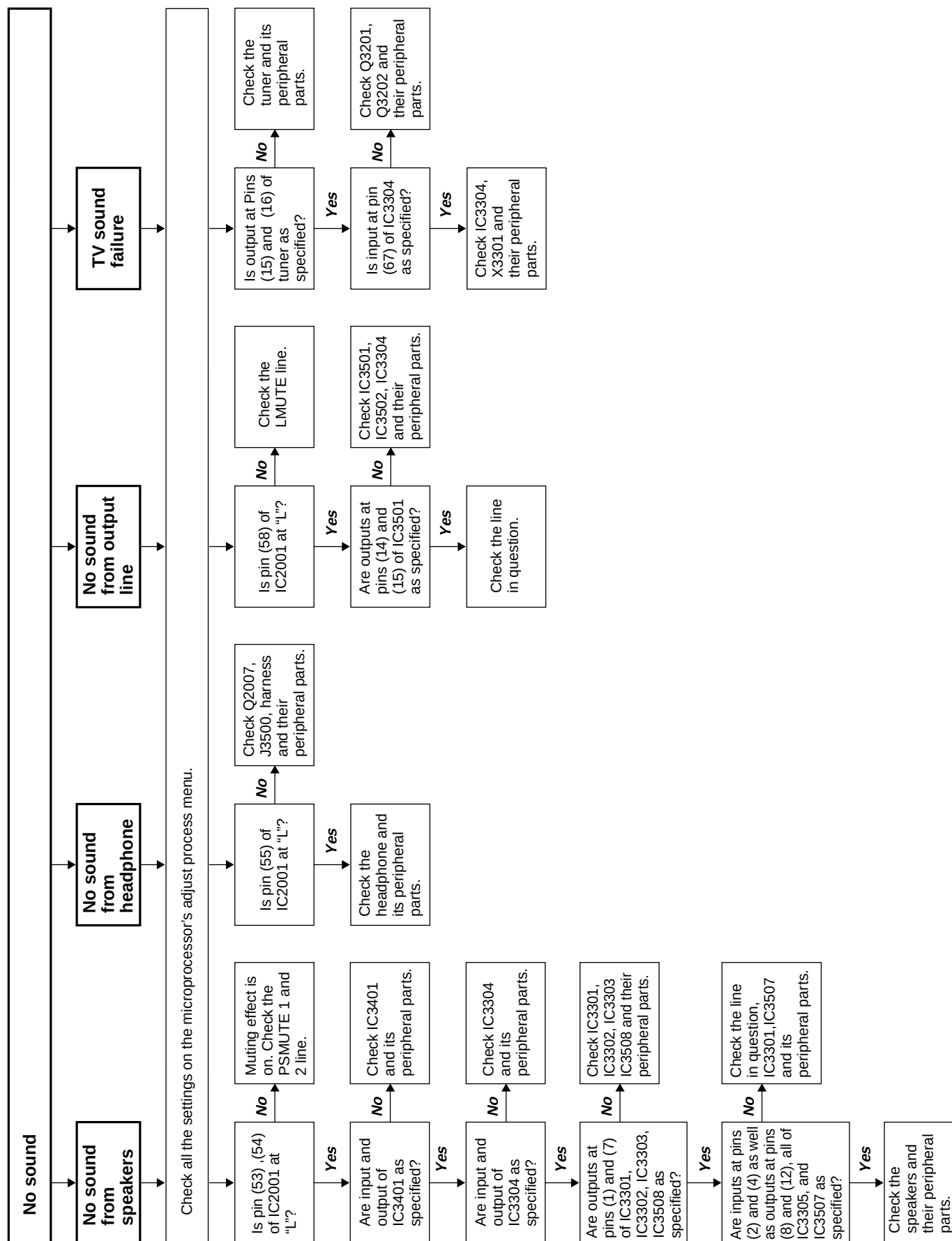
Fluorescent lamp

Check all the settings on the microprocessor's adjust process menu.



TROUBLE SHOOTING TABLE (Continued)



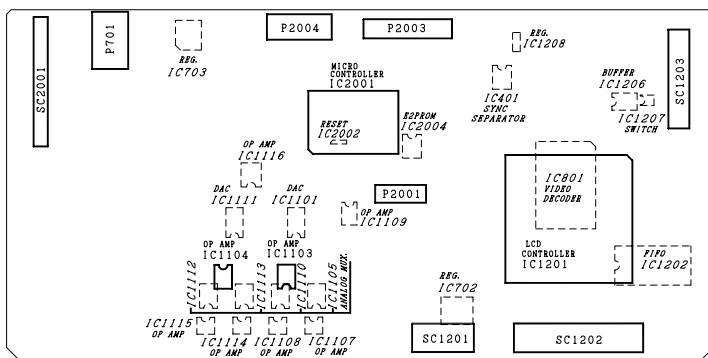


CHASSIS LAYOUT

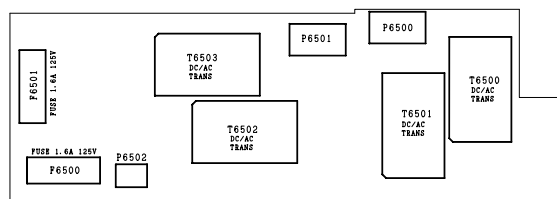
CONTROL Unit



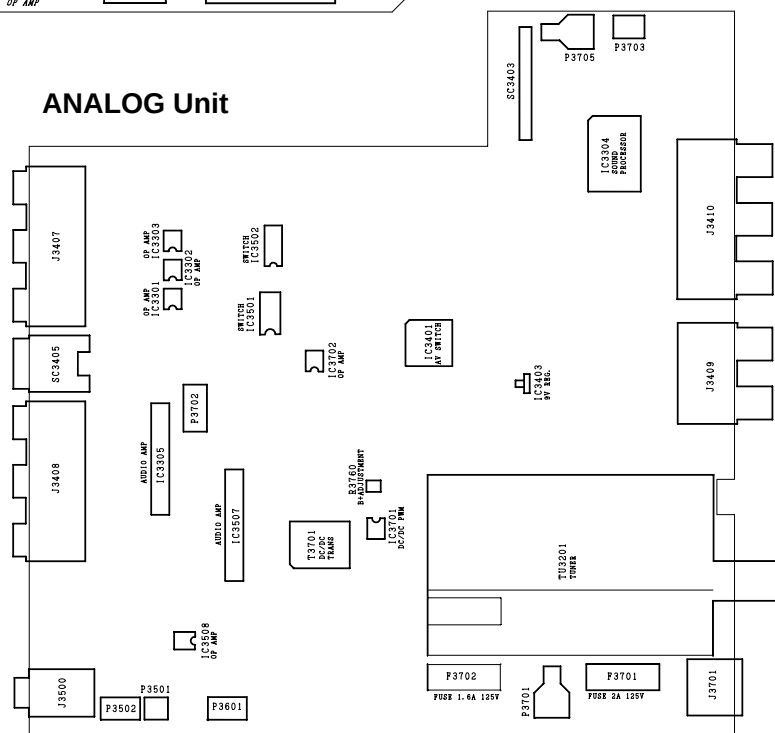
DIGITAL Unit



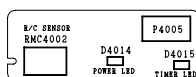
INVERTER Unit



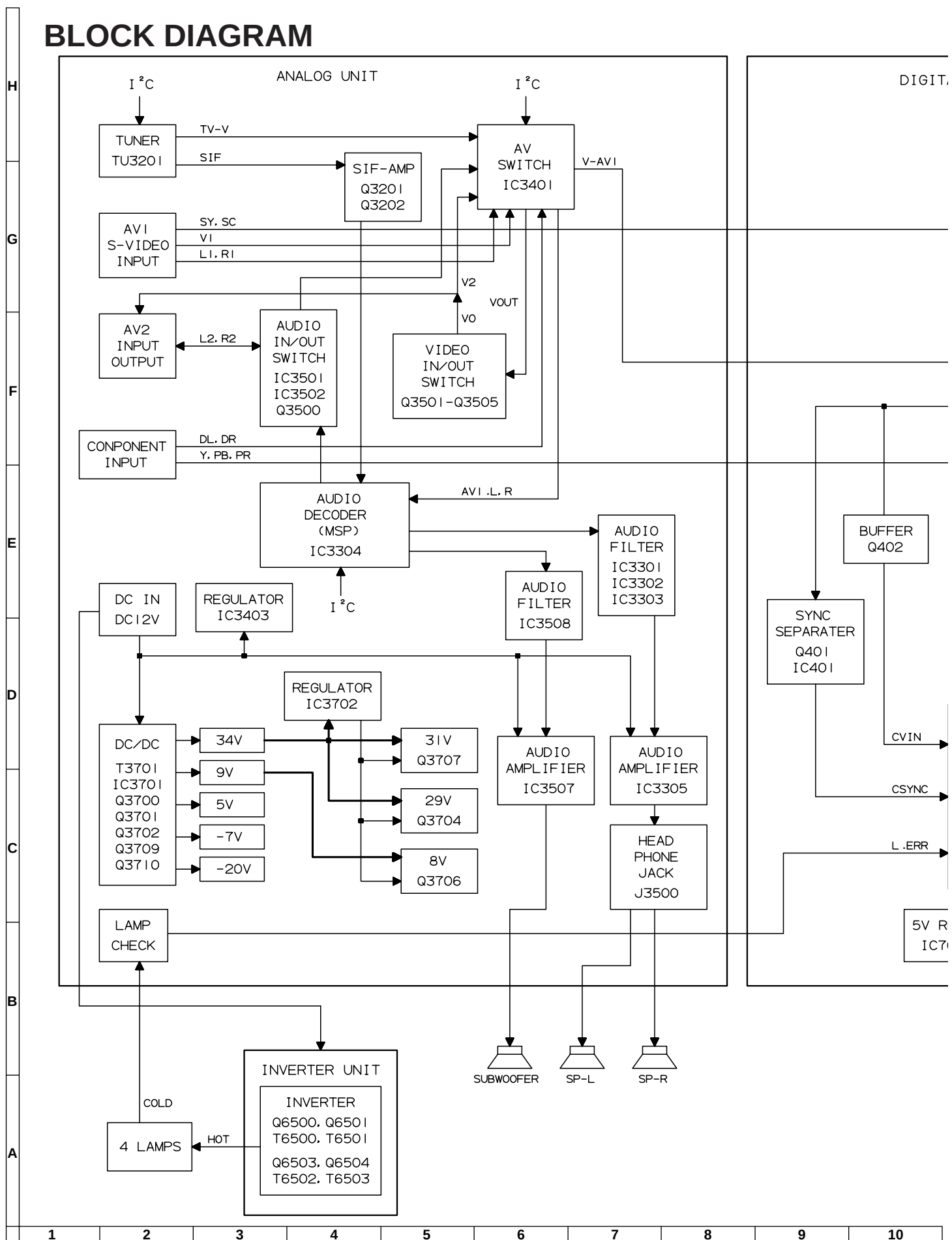
ANALOG Unit

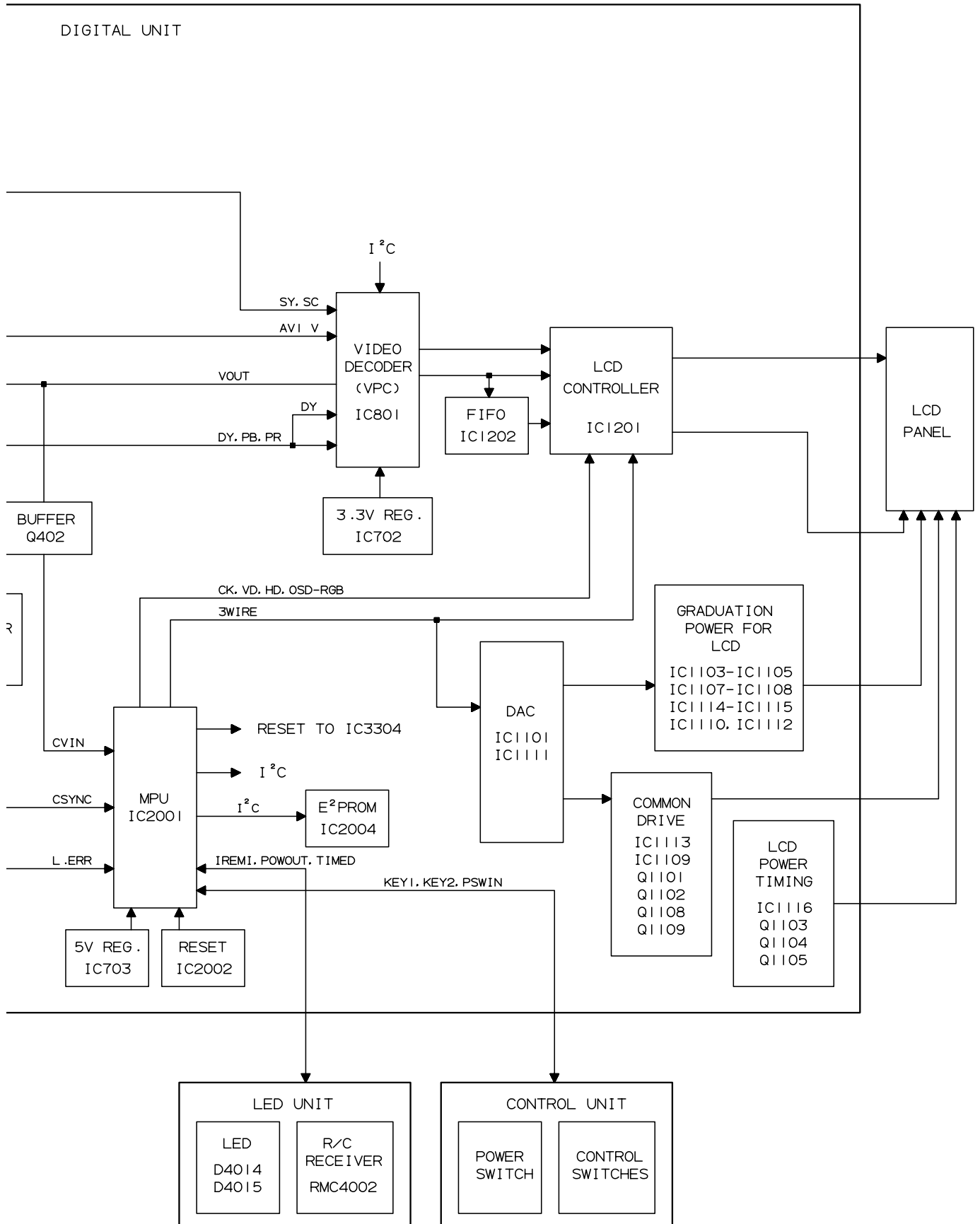


R/C, LED Unit



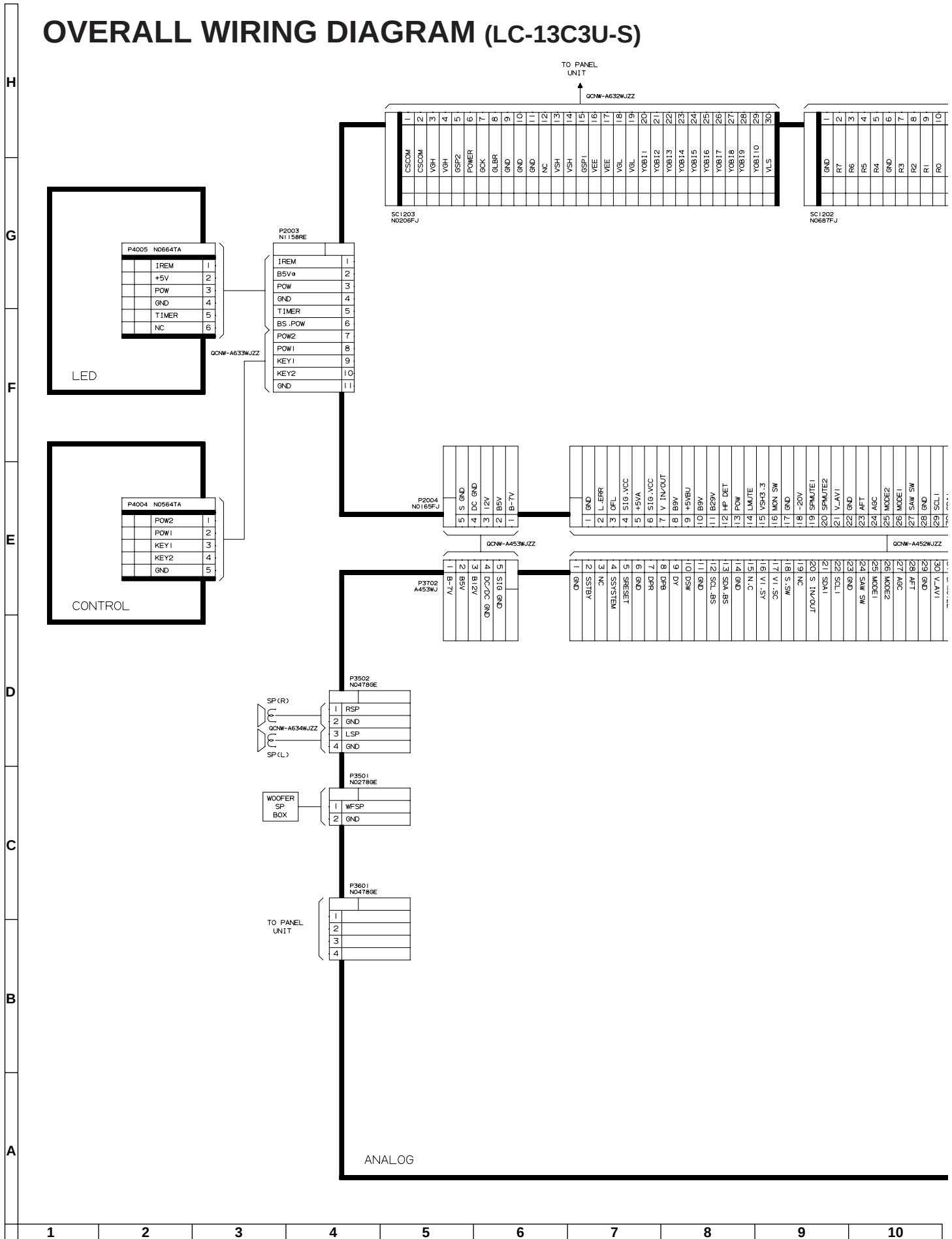
BLOCK DIAGRAM

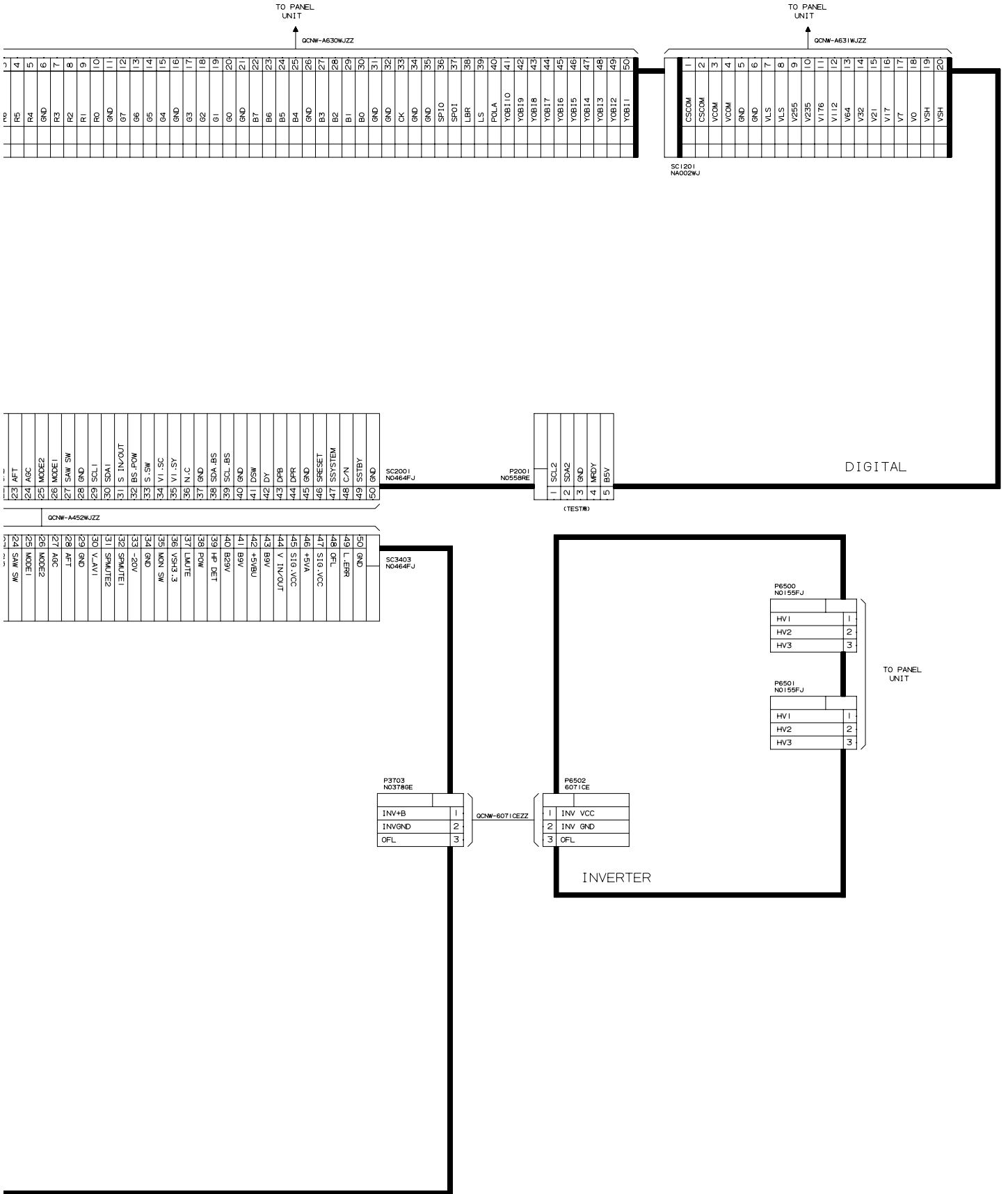




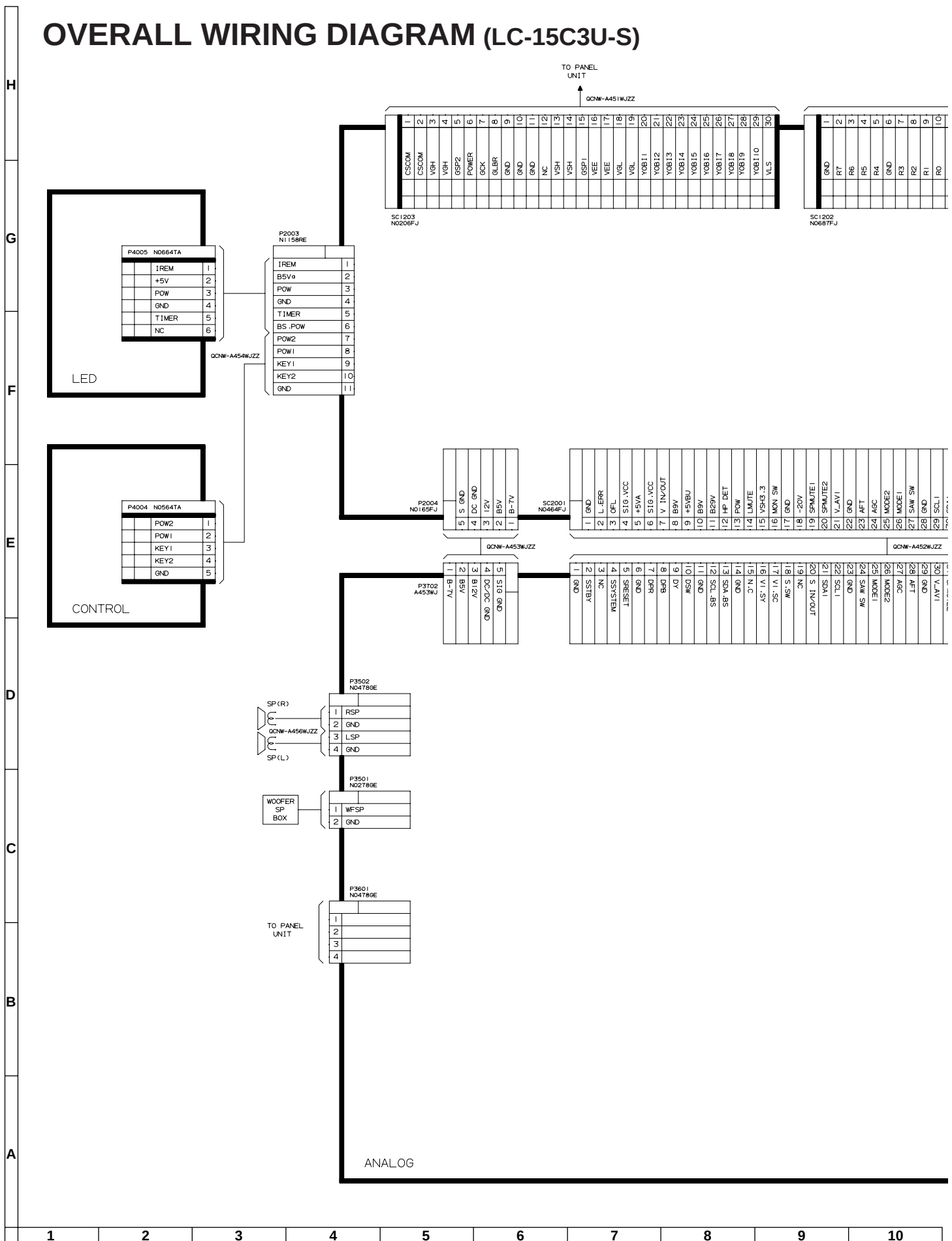
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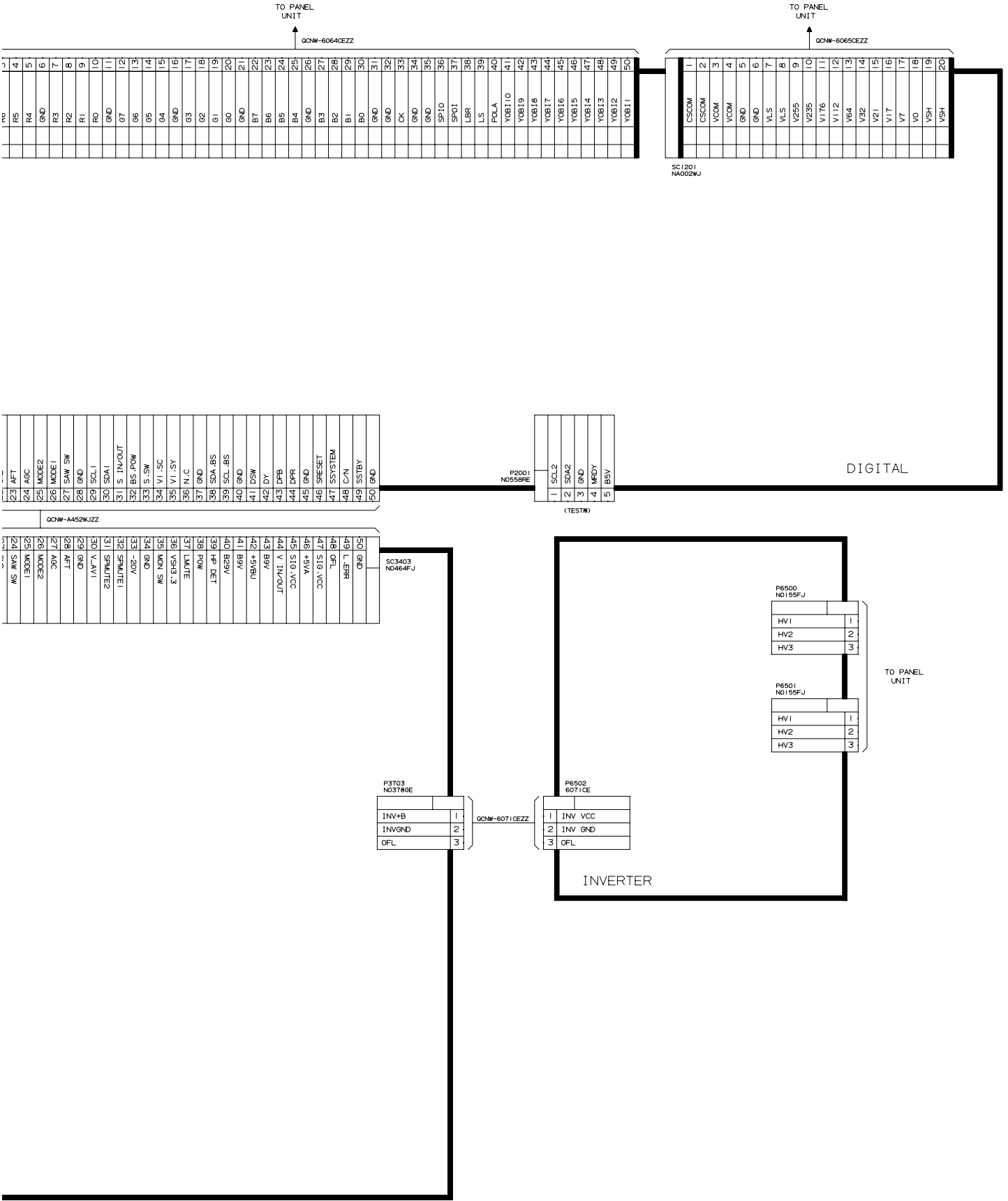
OVERALL WIRING DIAGRAM (LC-13C3U-S)





OVERALL WIRING DIAGRAM (LC-15C3U-S)





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 ①: 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:

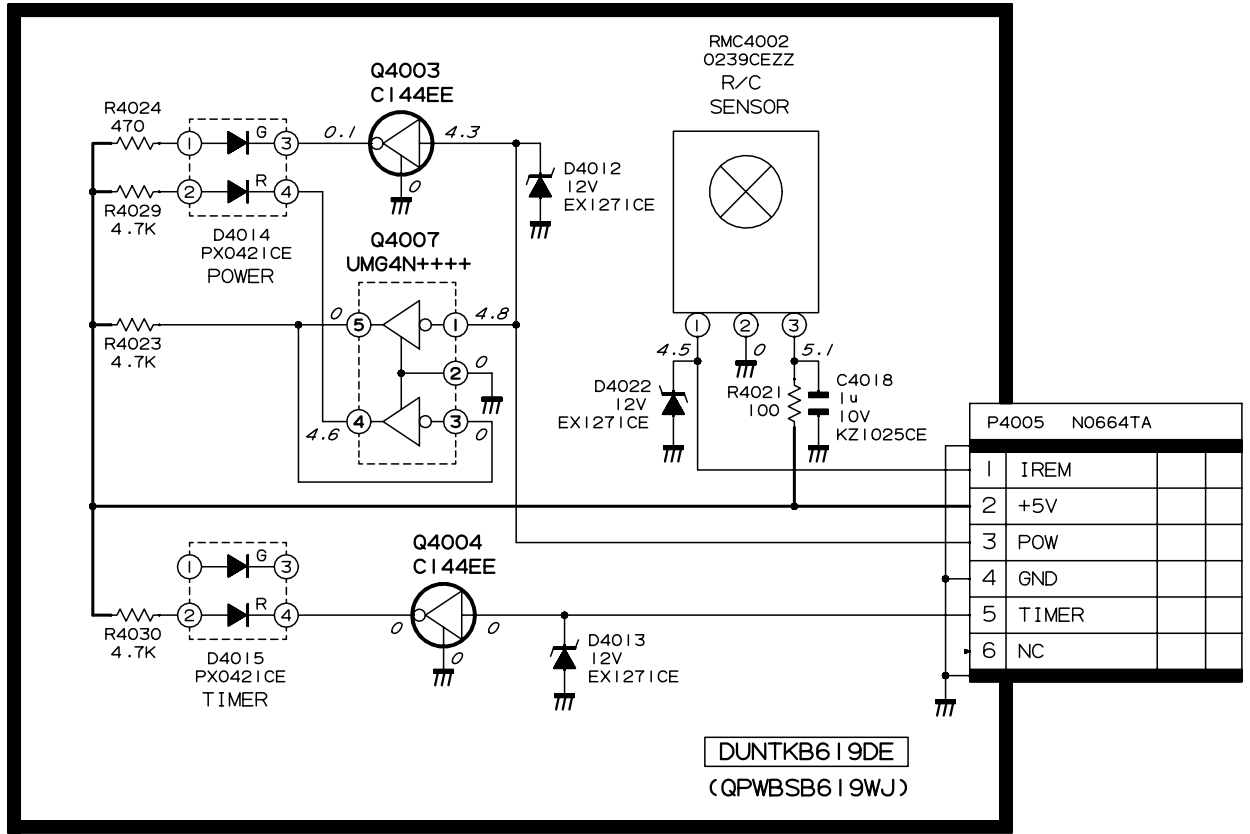
PARTS MARKED WITH "⚠" () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

AVIS DE SECURITE IMPORTANT:

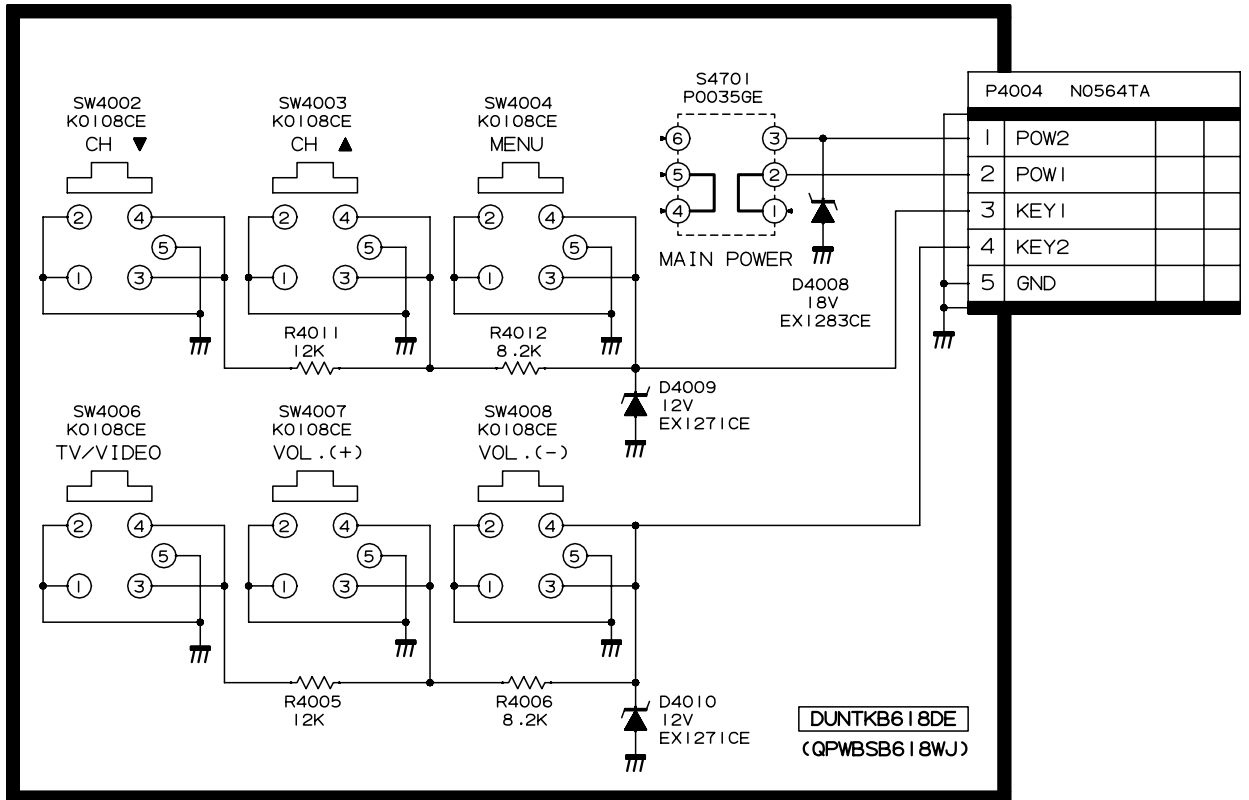
LES PIECES MARQUEES "⚠" () SONT IMPORTANTES POUR MAINTENIR LA SECURITE DE L'APPAREIL.
NE REMPLACER CES PIECES QUE PAR DES PIECES DONT LE NUMERO EST SPECIFIE POUR MAINTENIR LA SECURITE ET PROTEGER LE BON FONCTIONNEMENT DE L'APPAREIL.

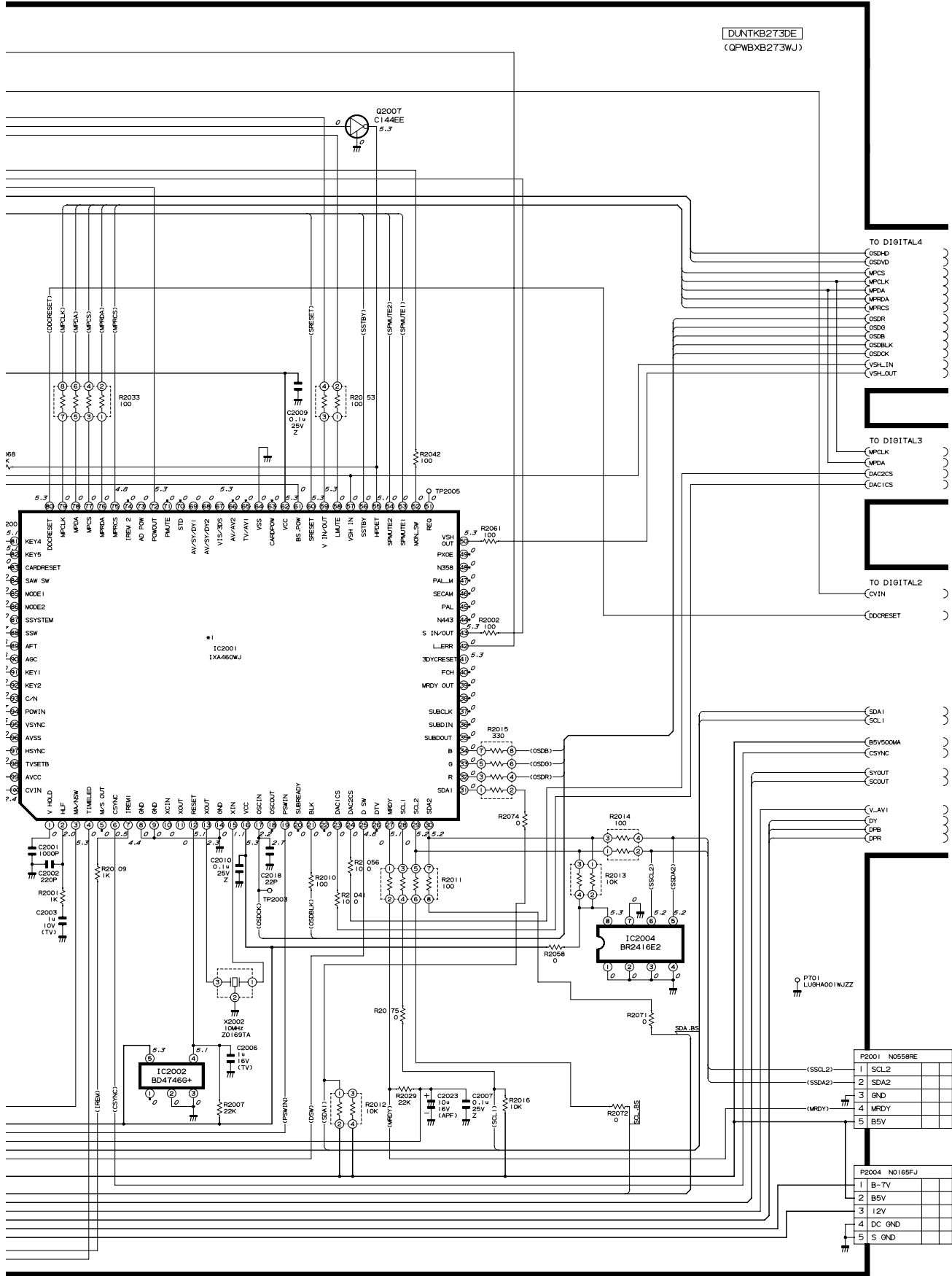
SCHEMATIC DIAGRAM

■R/C, LED and CONTROL Unit R/C, LED



CONTROL

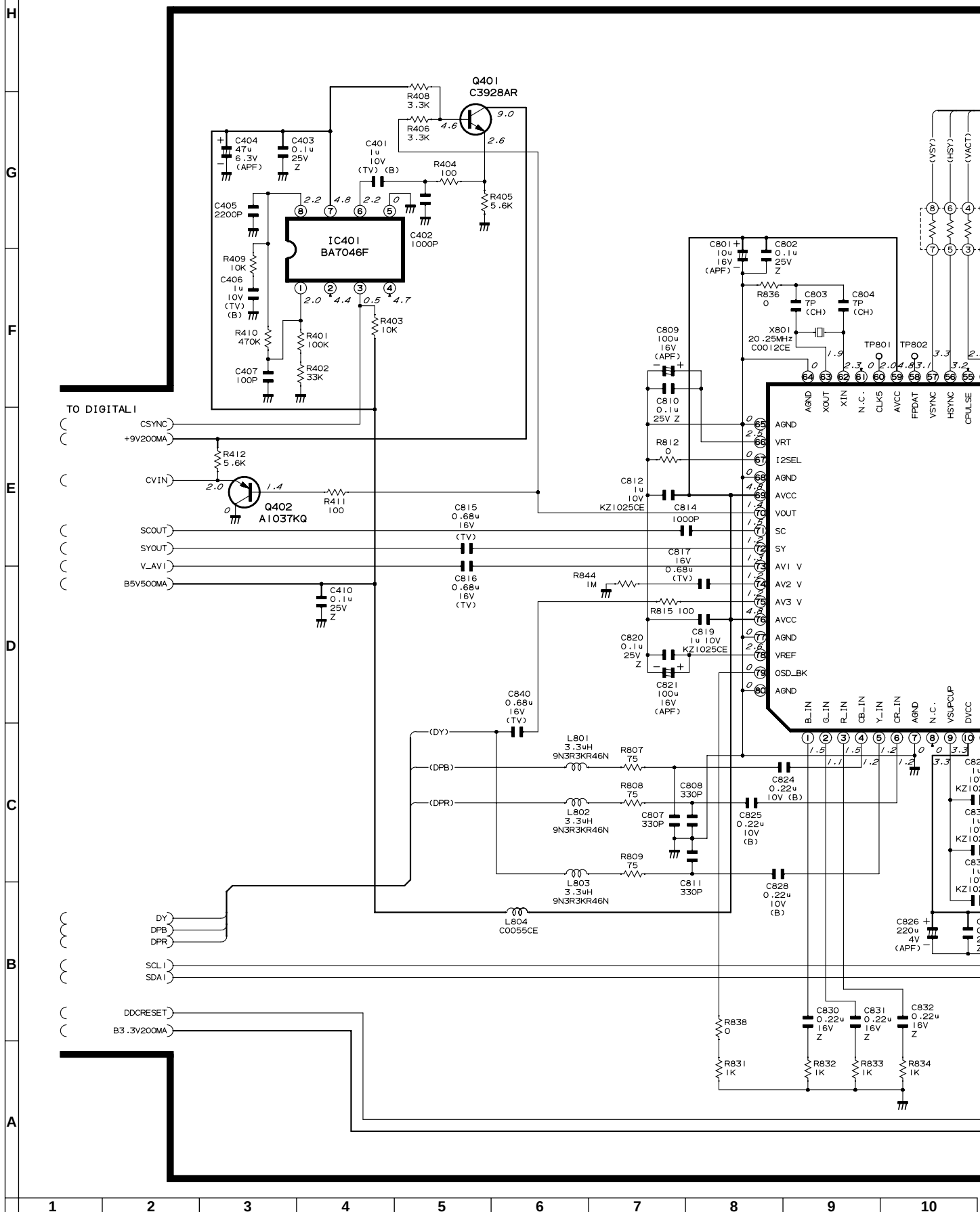




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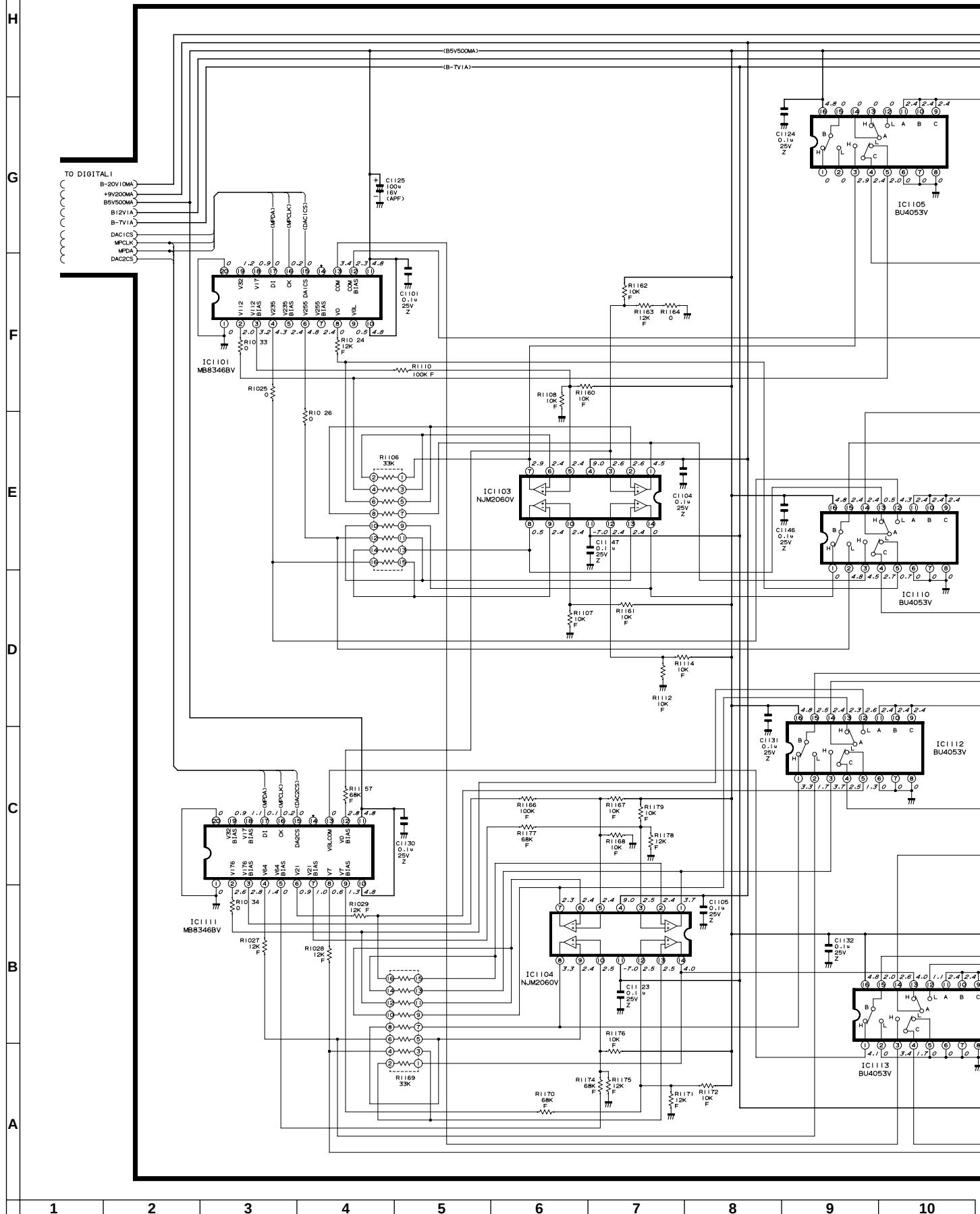
DIGITAL Unit-2/4

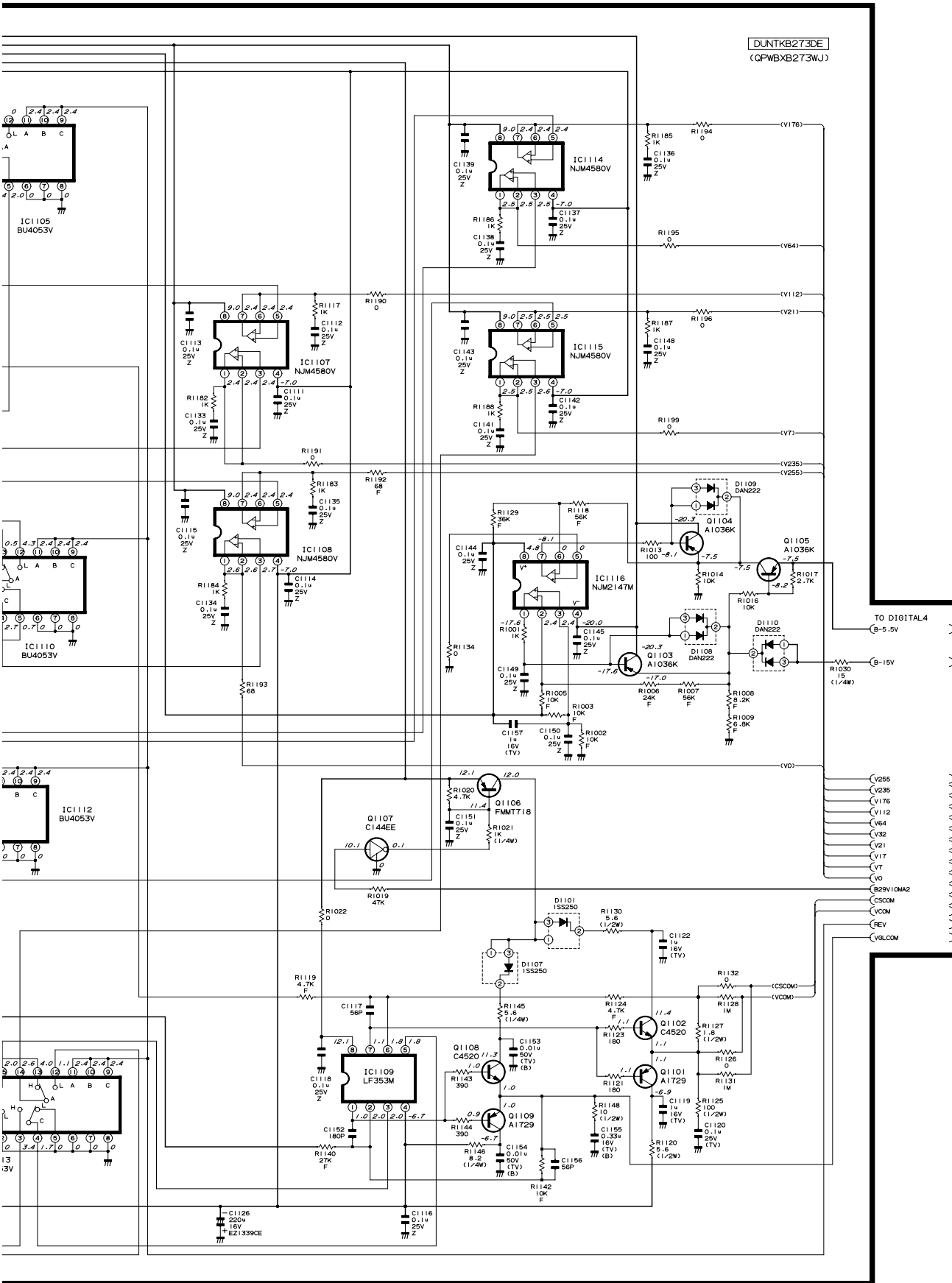
DIGITAL 2



■ DIGITAL Unit-3/4

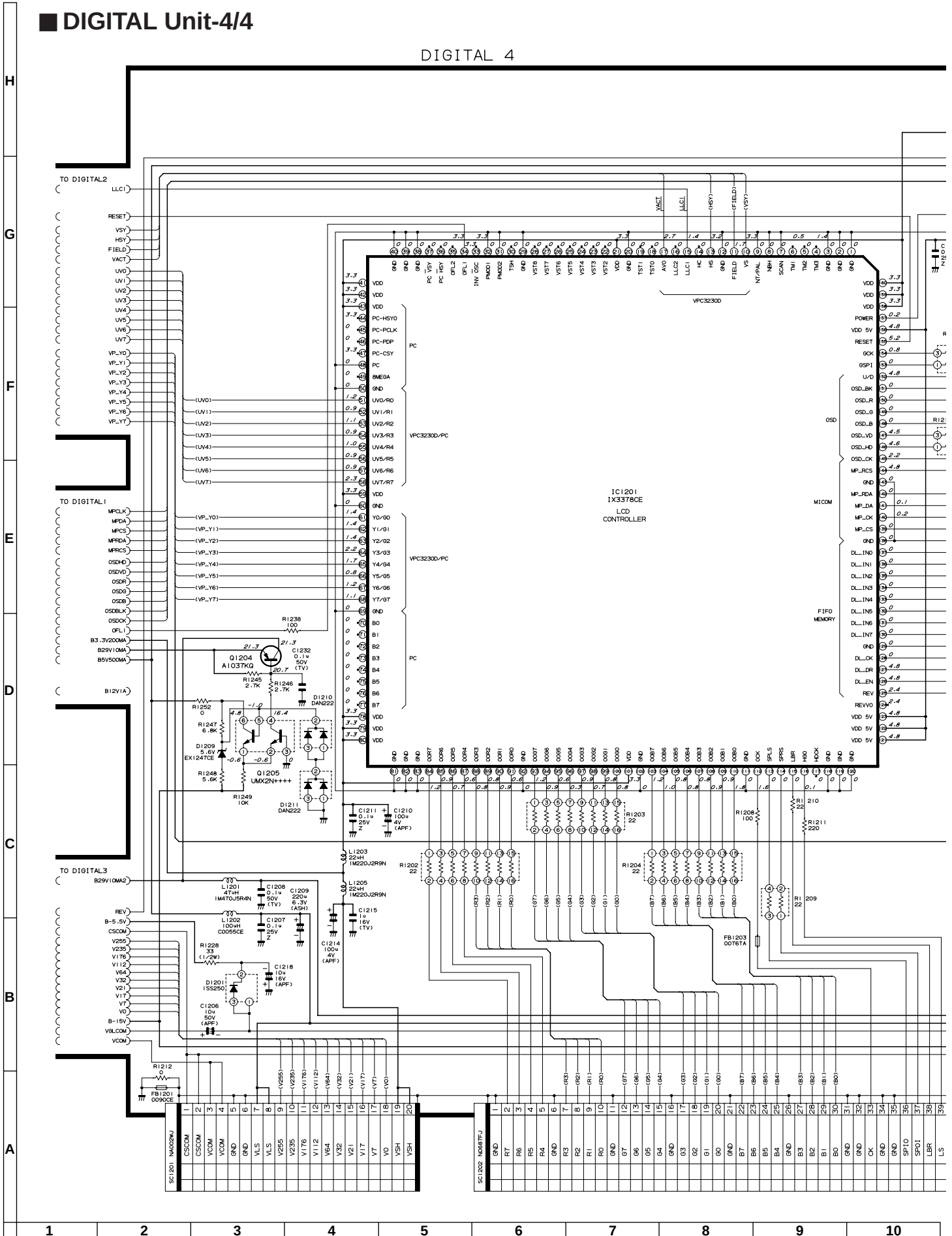
DIGITAL 3

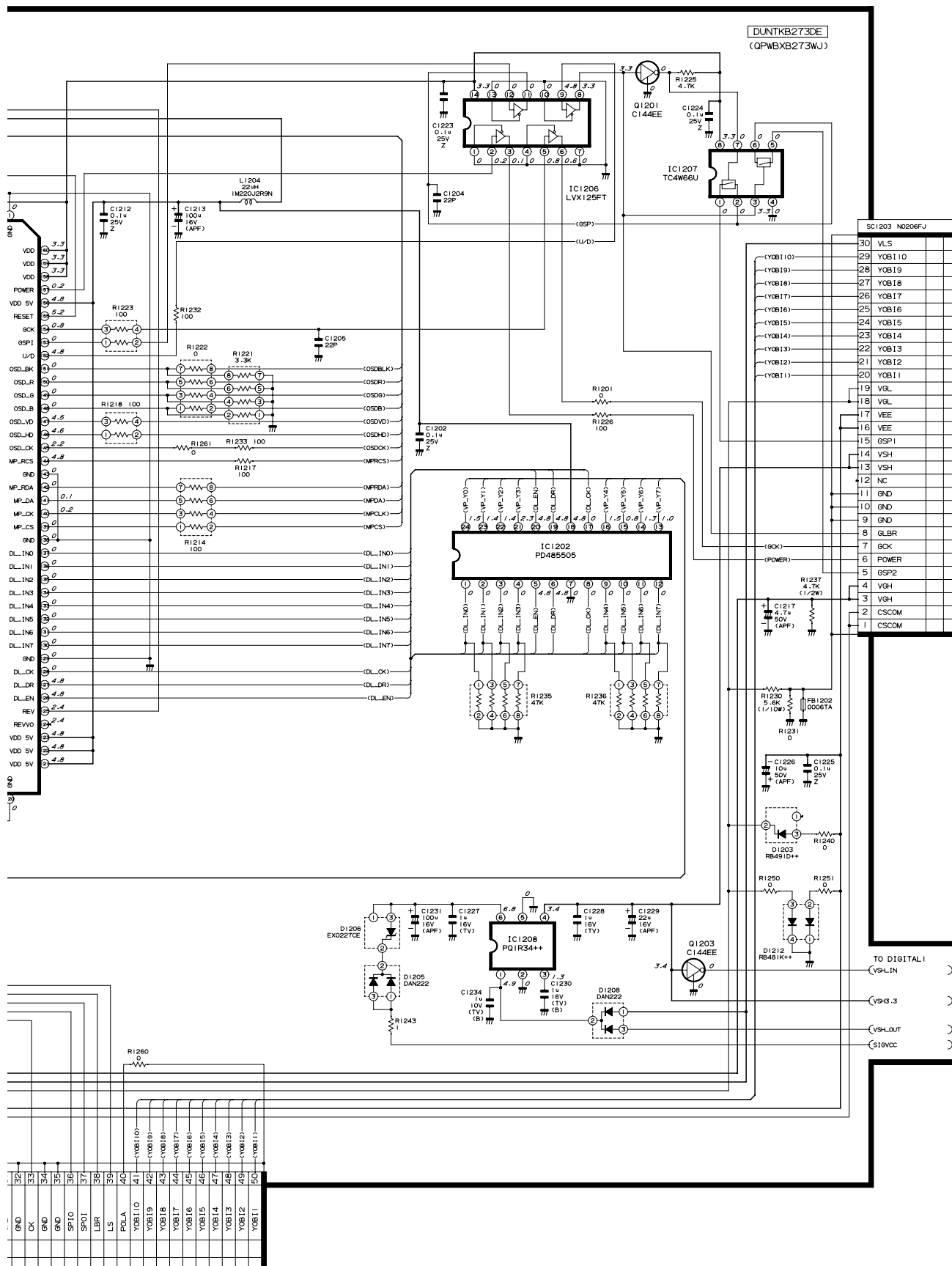




DIGITAL Unit-4/4

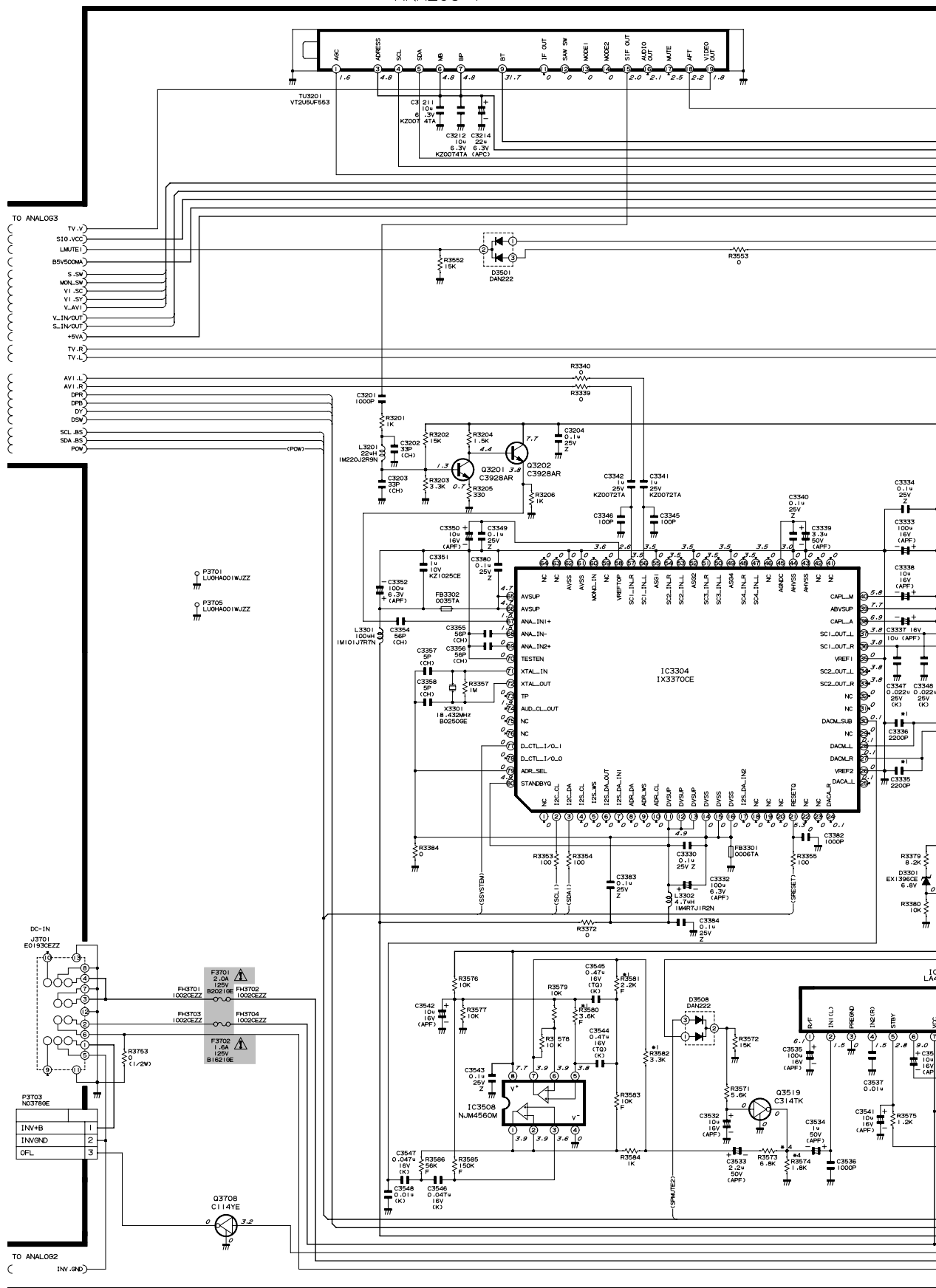
DIGITAL 4

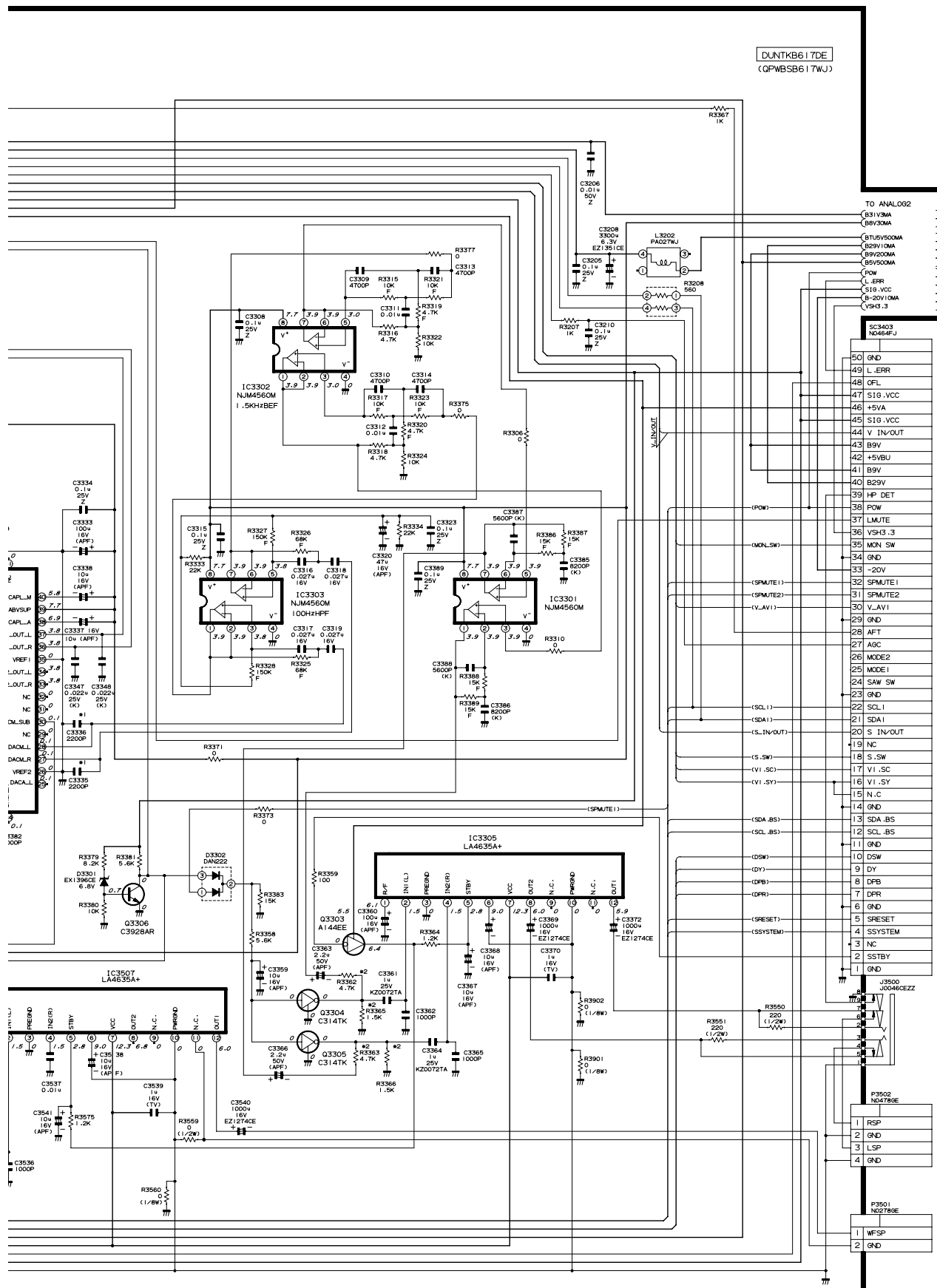




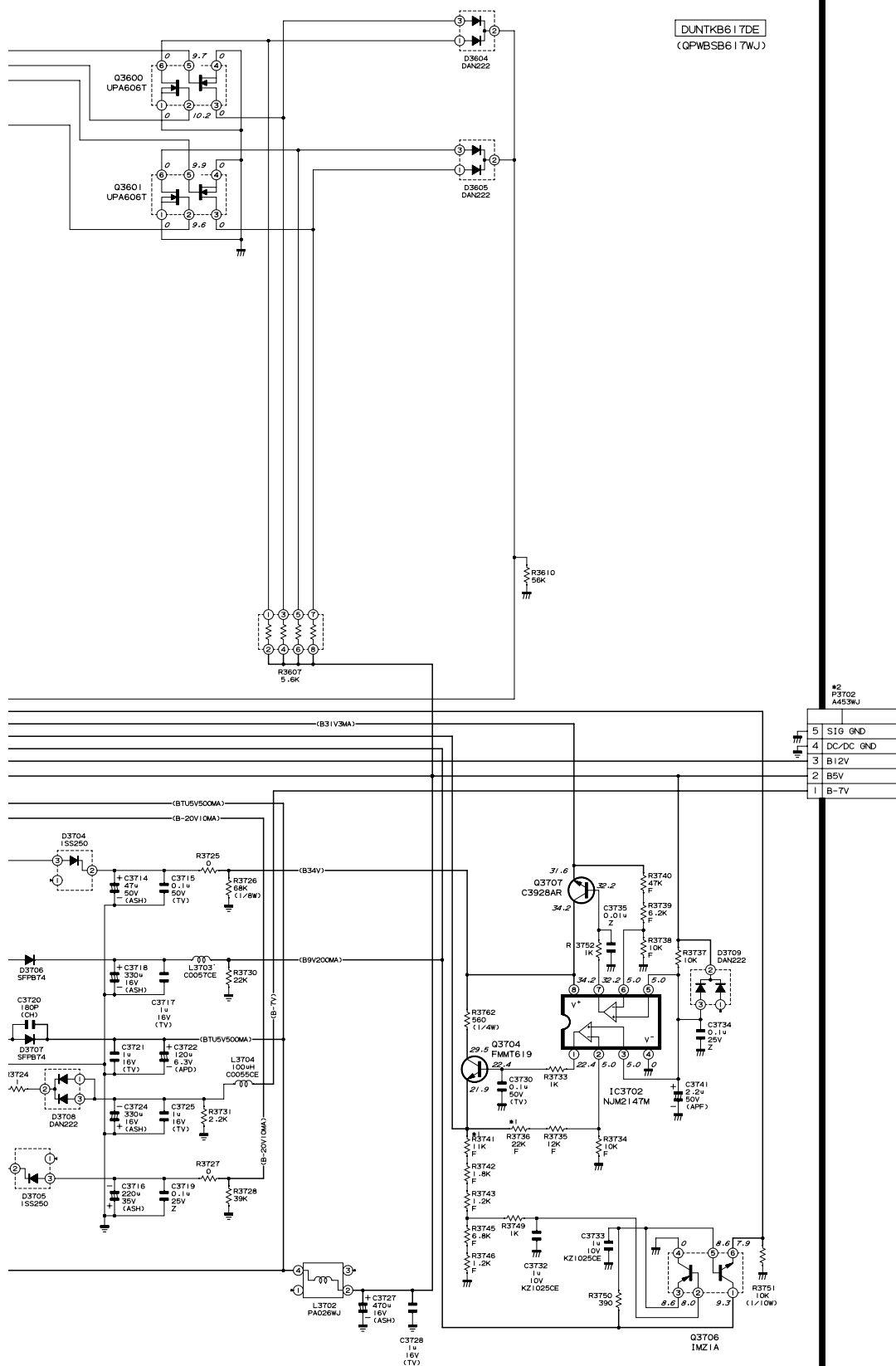
■ ANALOG Unit-1/3 (LC-13C3U-S)

ANALOG 1





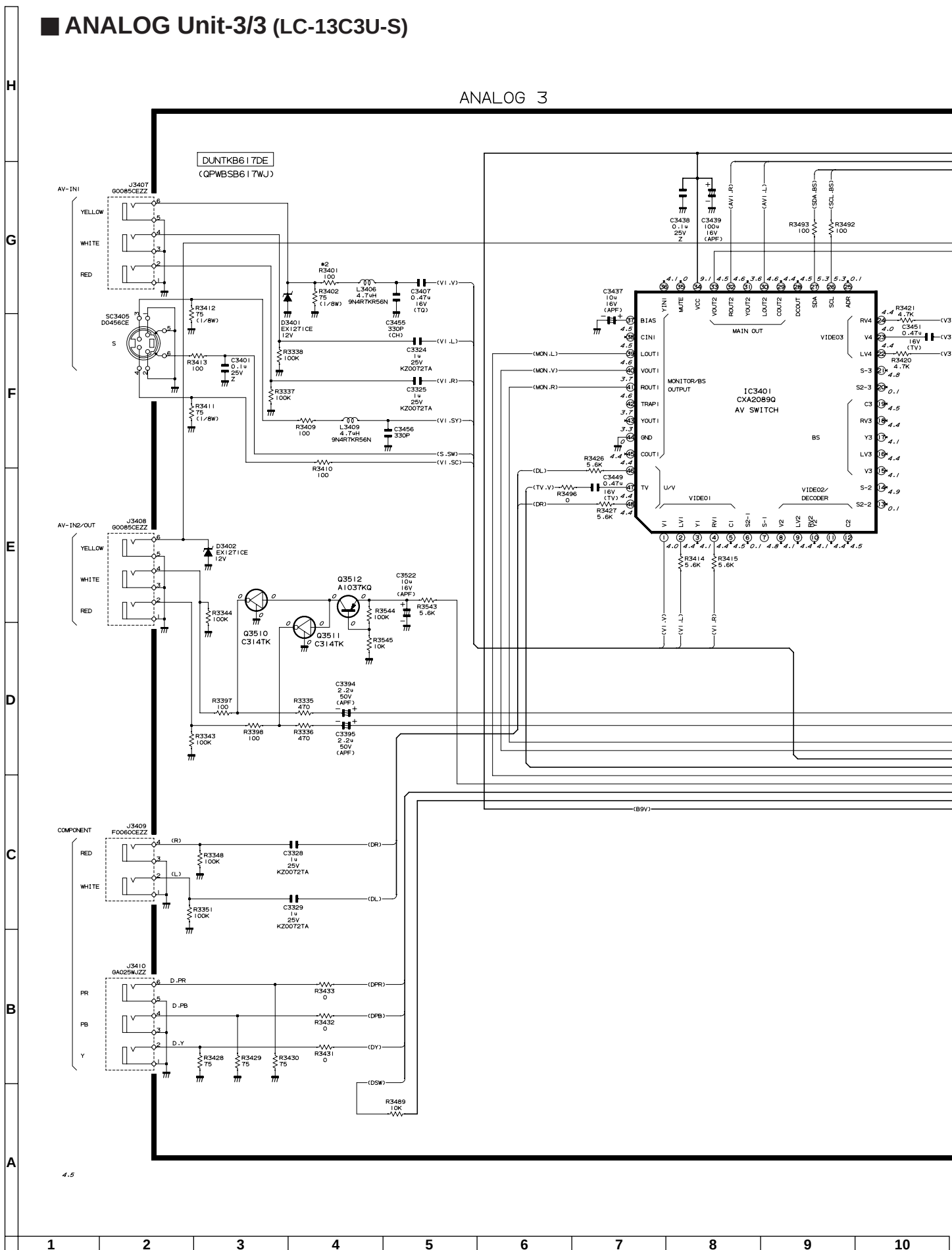
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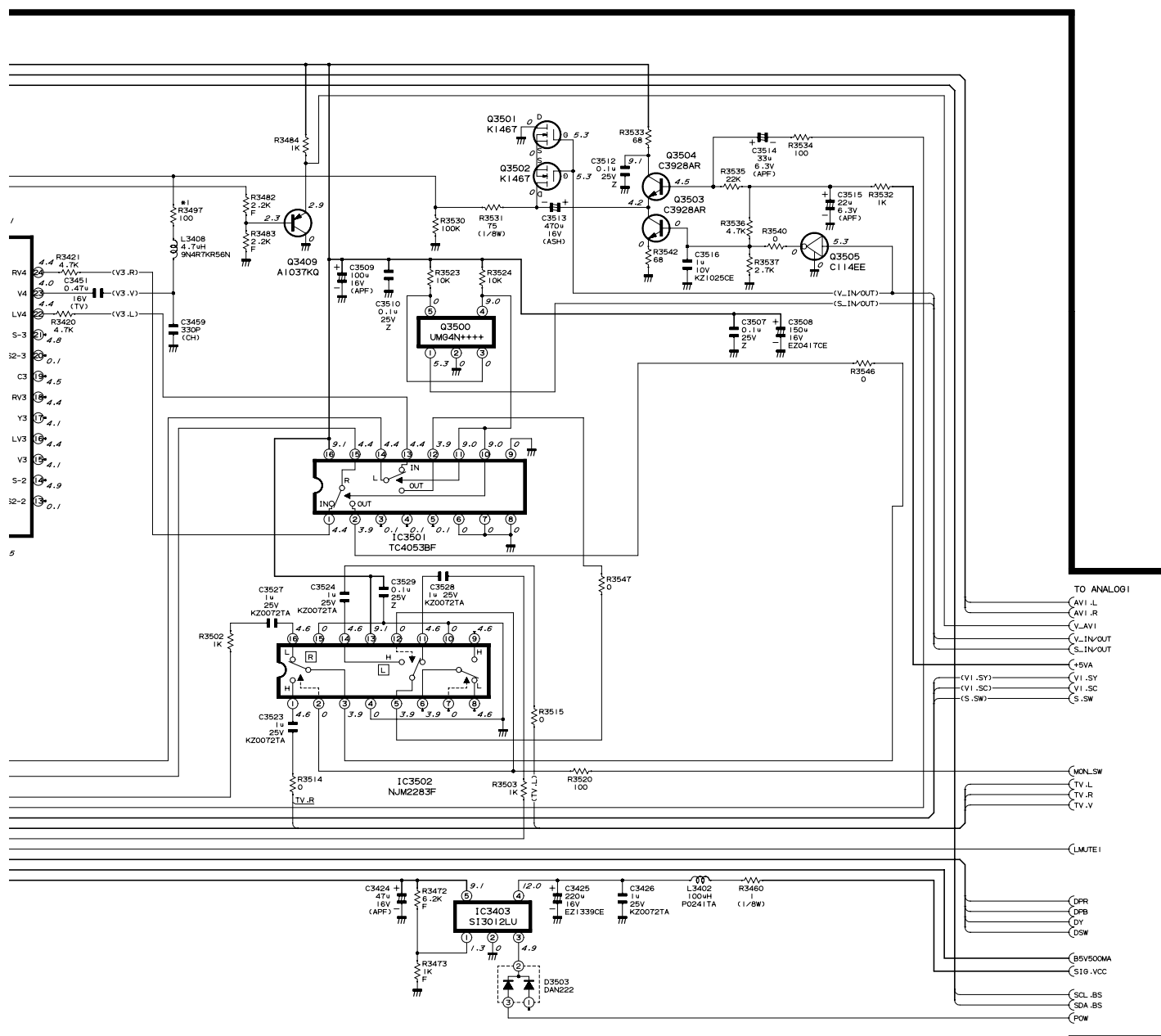


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■ ANALOG Unit-3/3 (LC-13C3U-S)

ANALOG 3

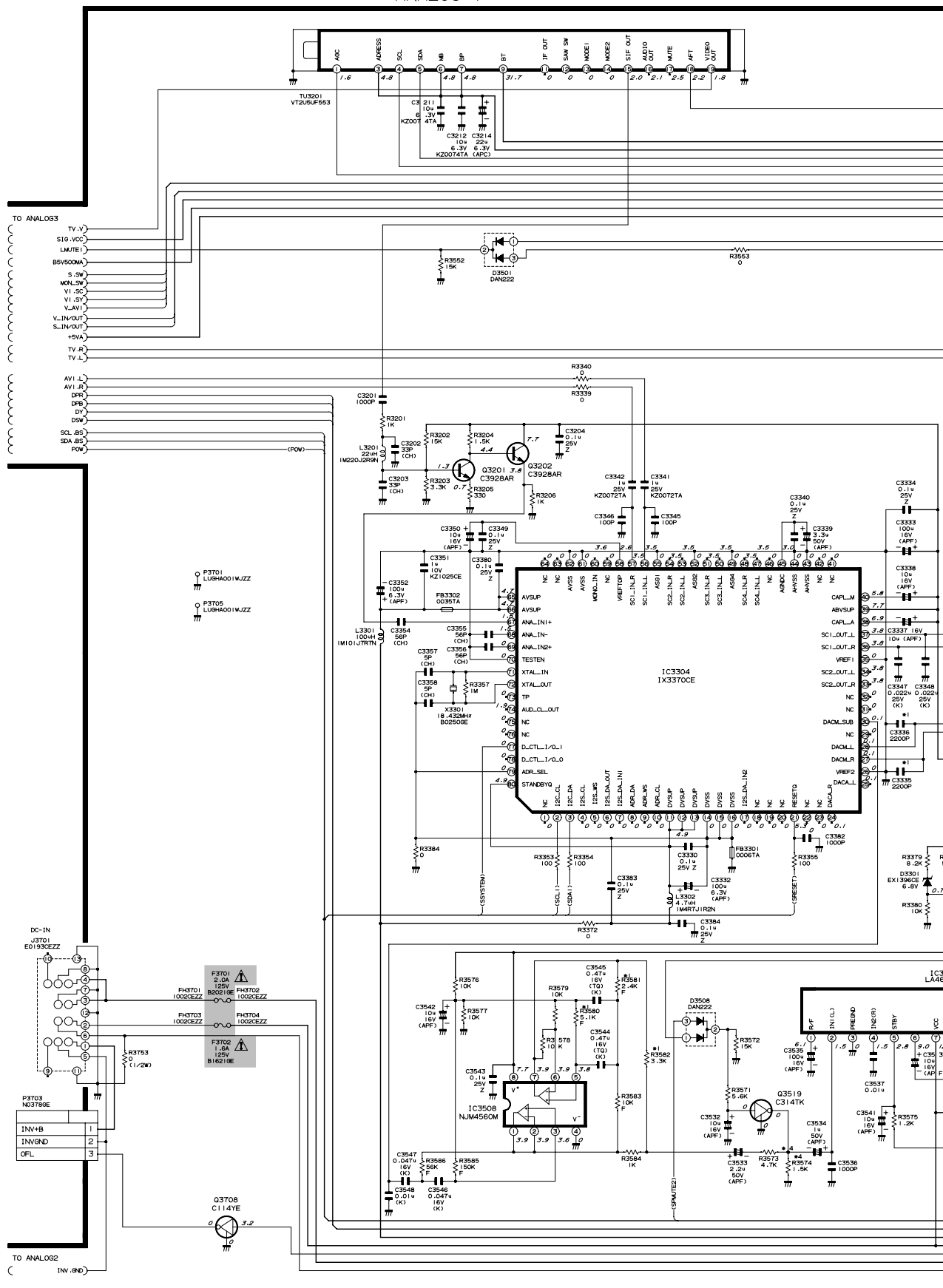


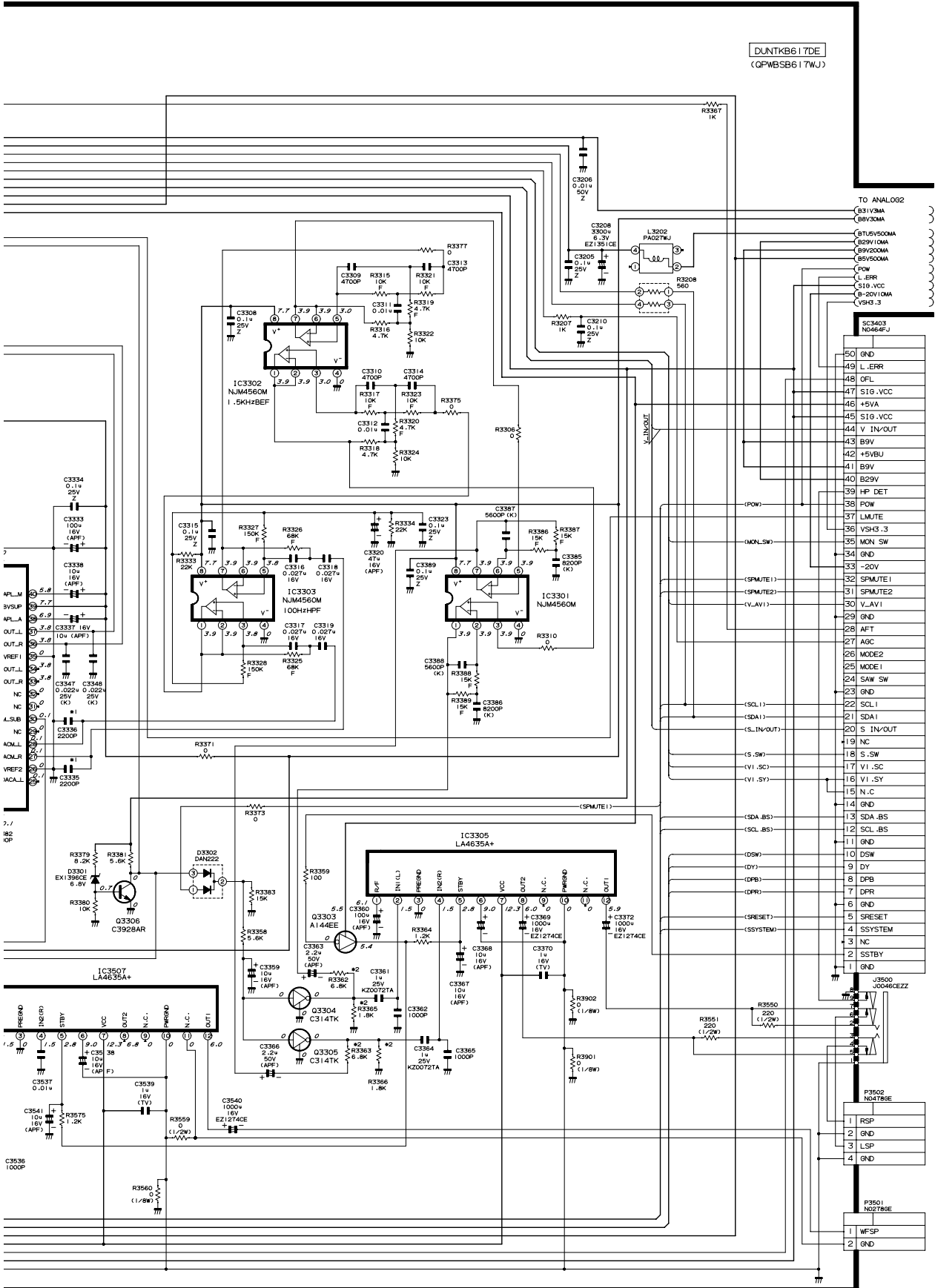


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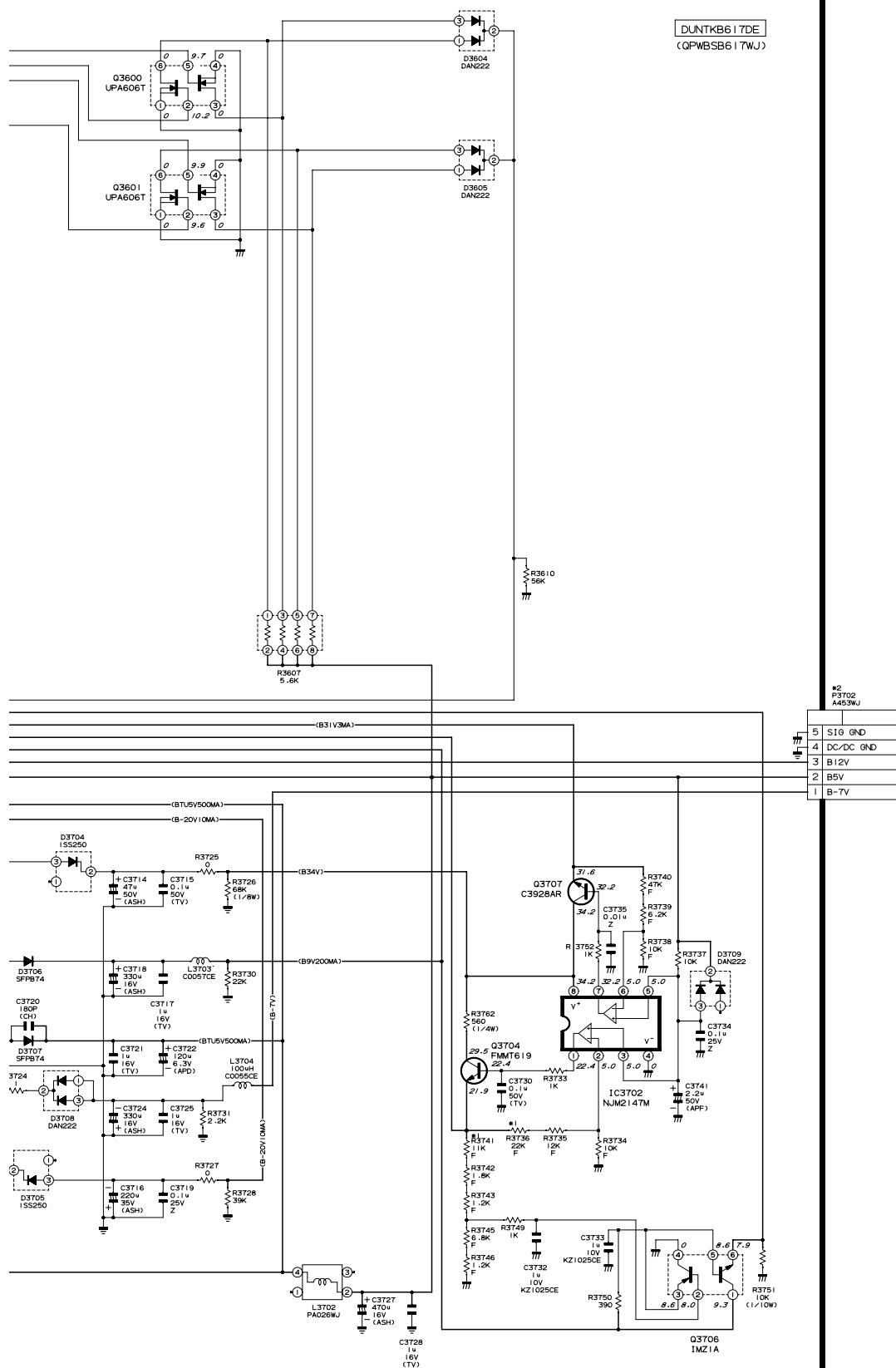
■ ANALOG Unit-1/3 (LC-15C3U-S)

ANALOG 1





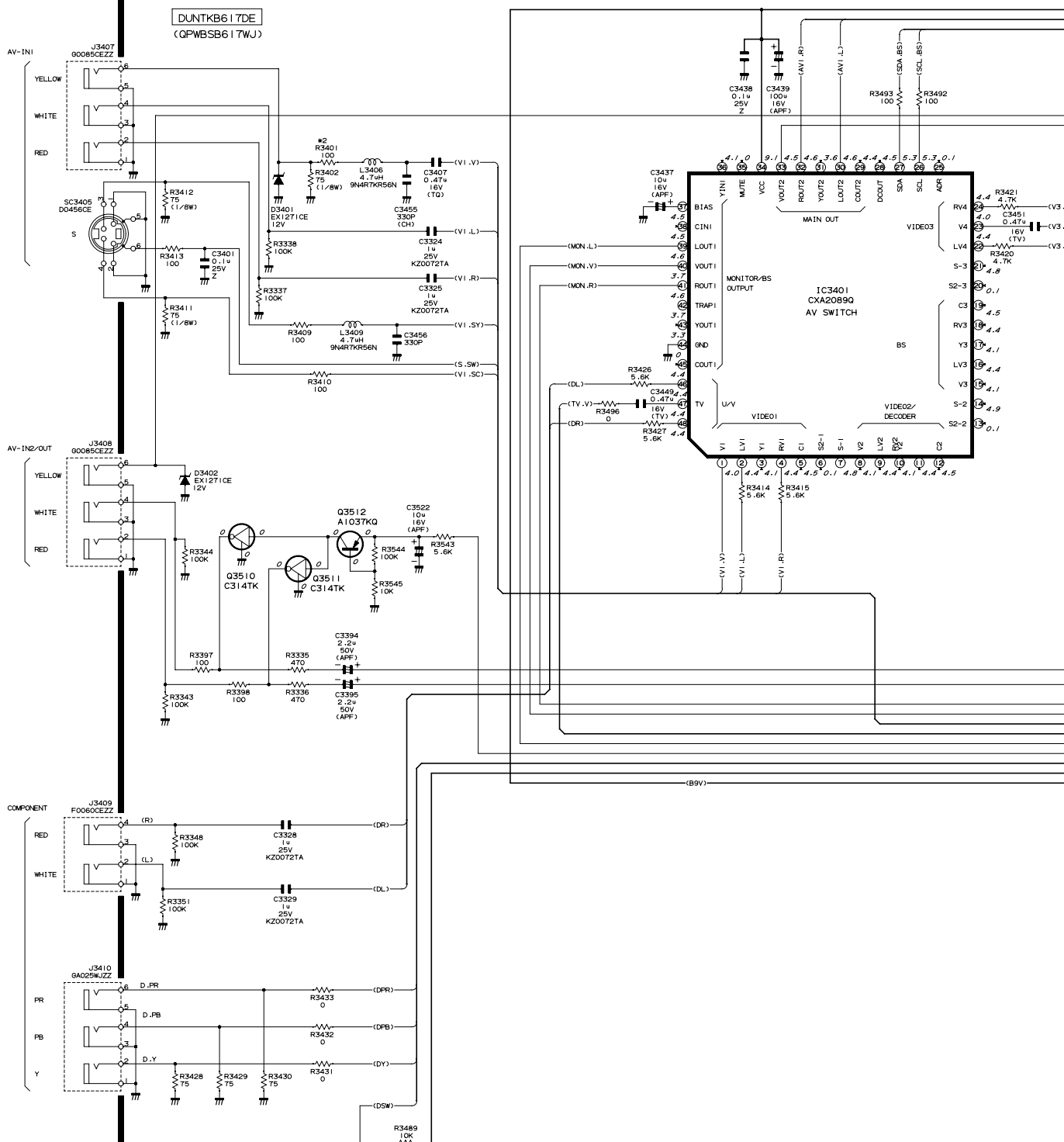
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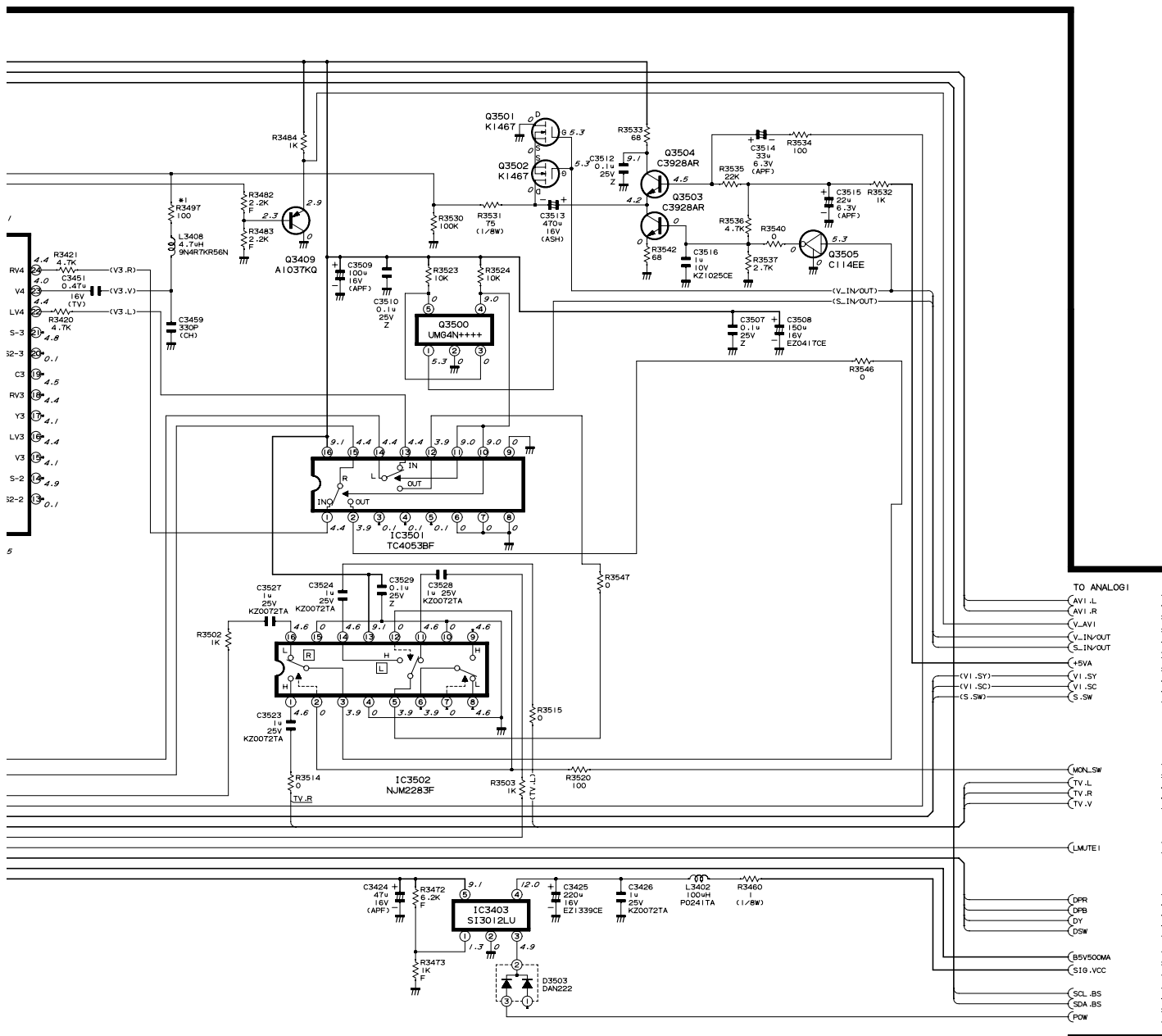


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ANALOG Unit-3/3 (LC-15C3U-S)

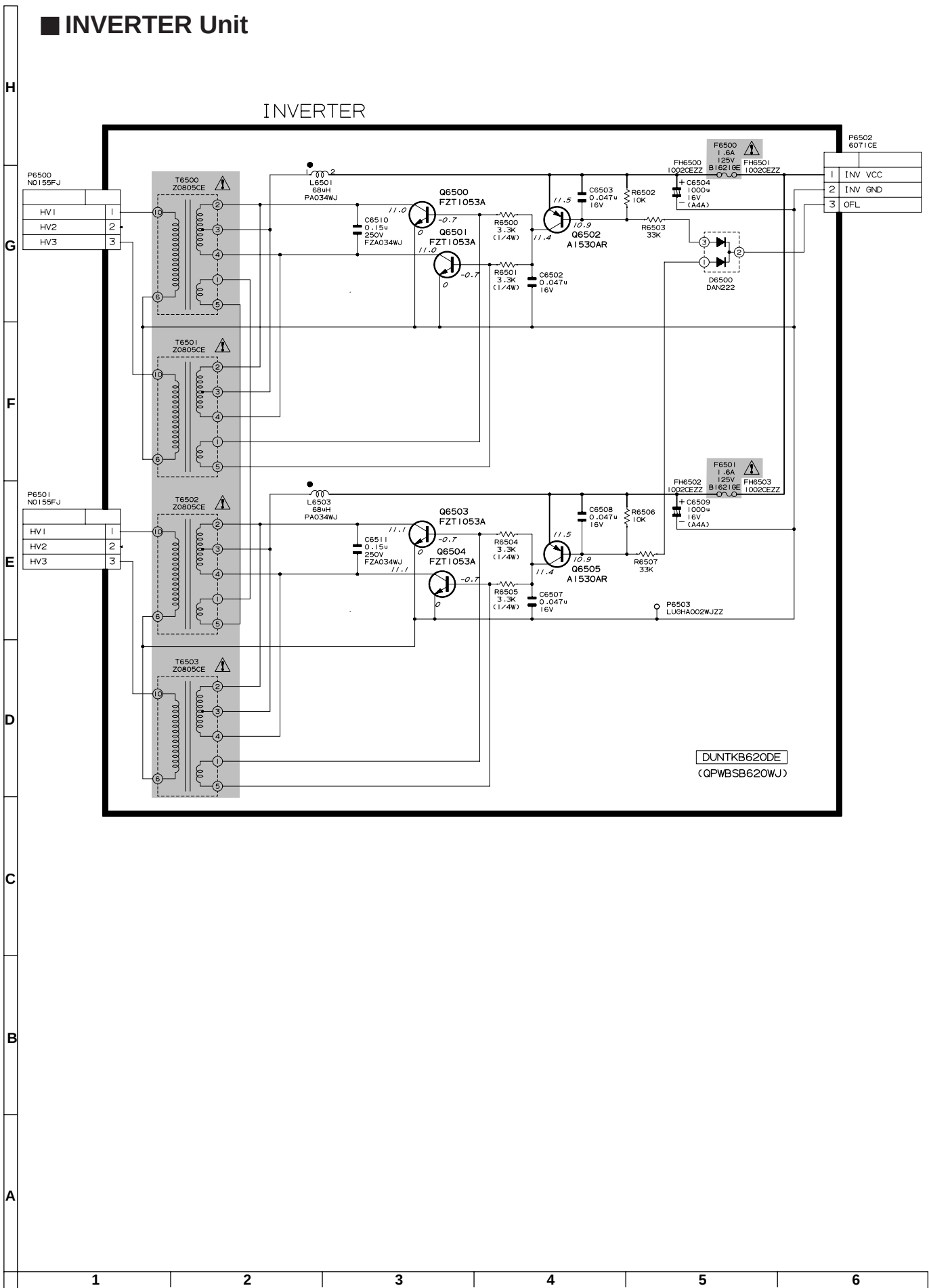
ANALOG 3



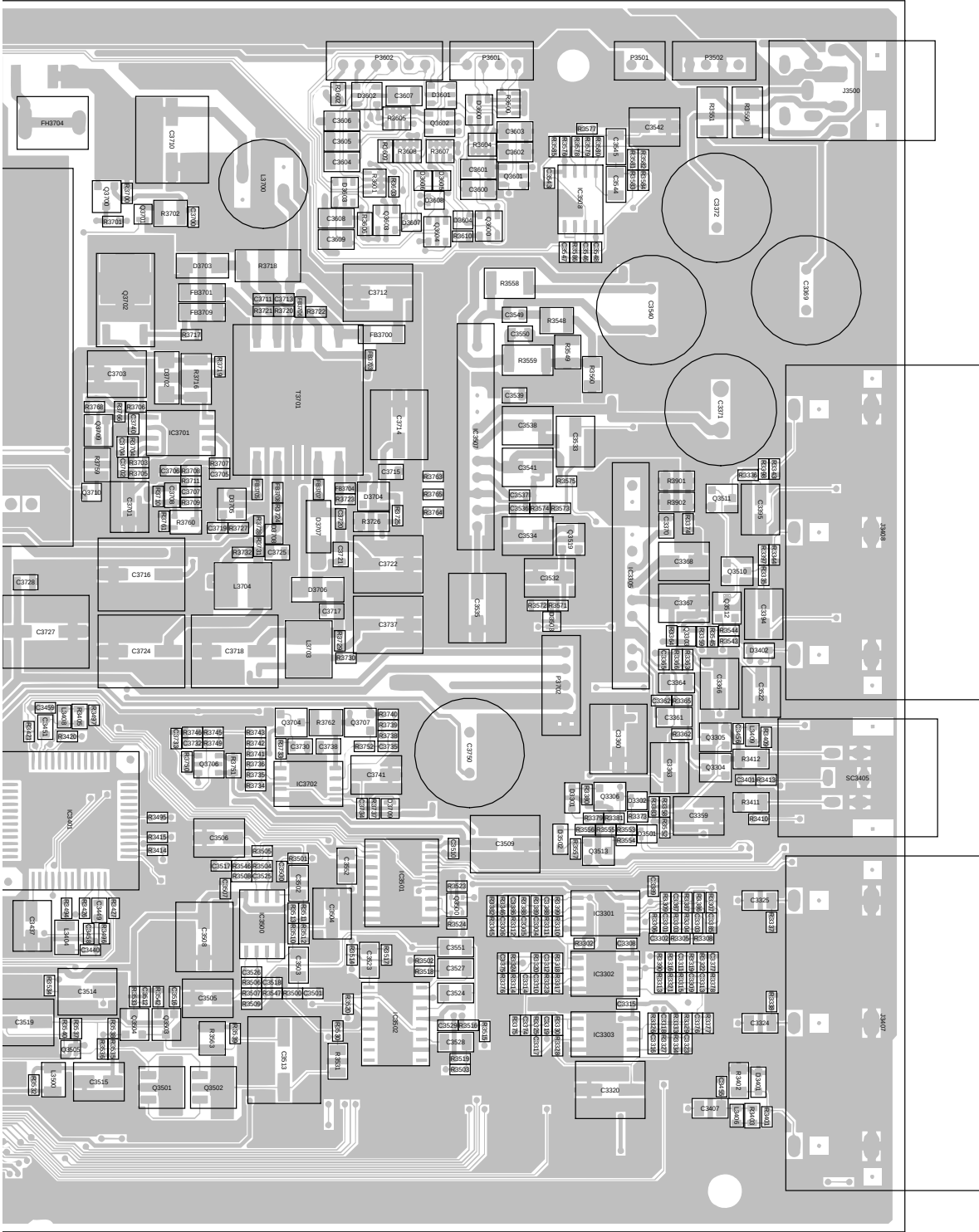


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INVERTER Unit



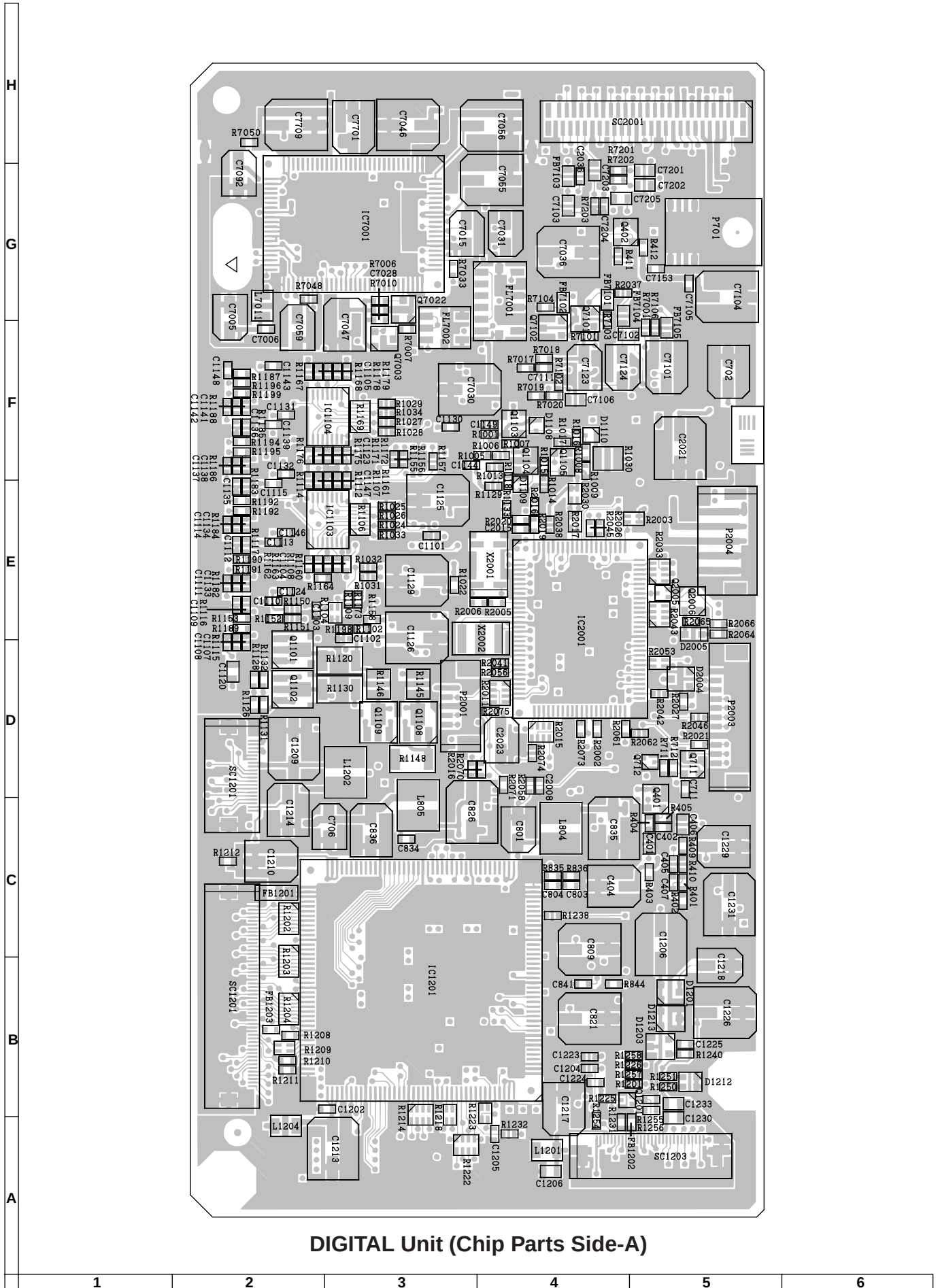




ANALOG Unit (Chip Parts Side-A)

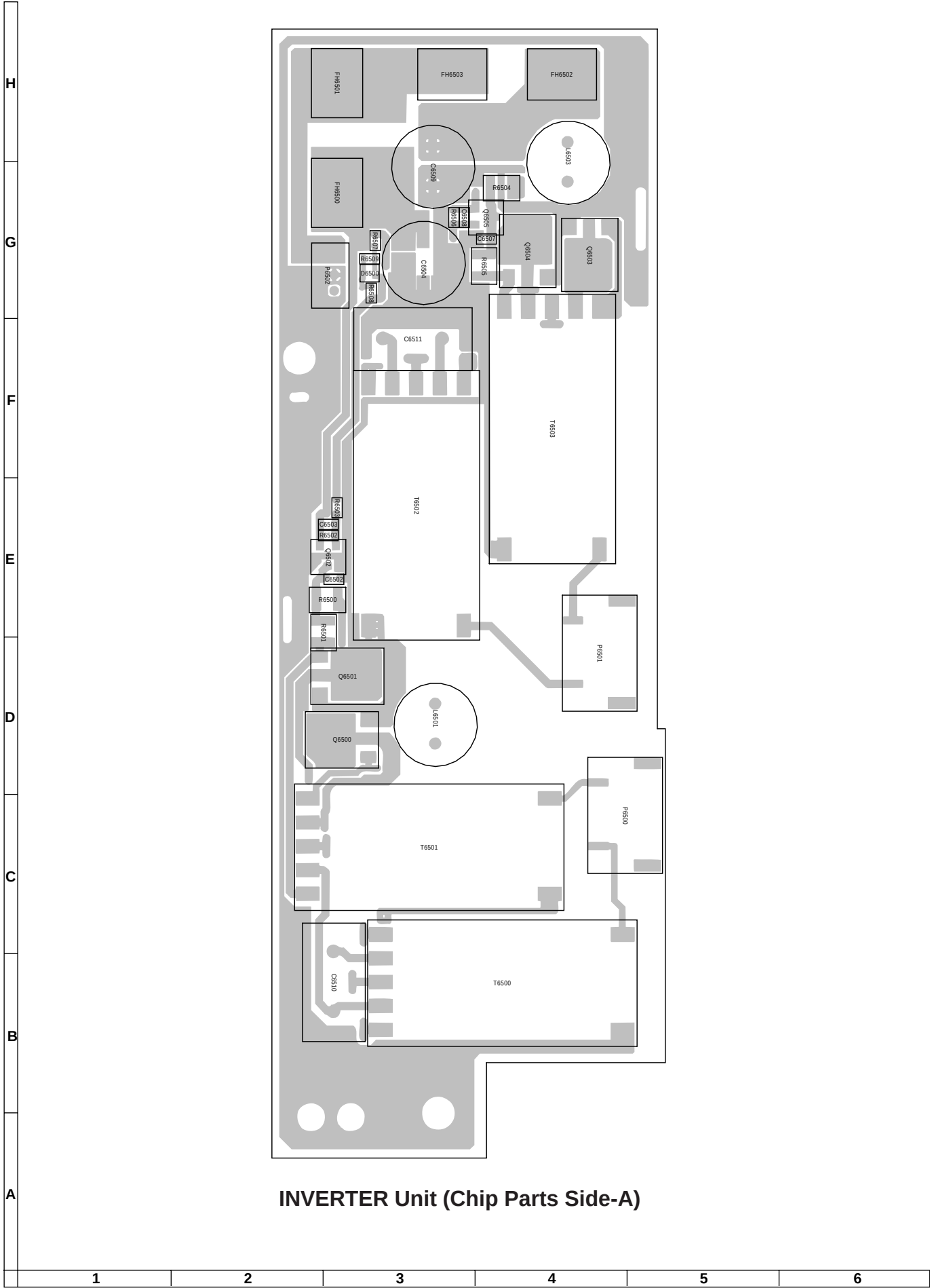
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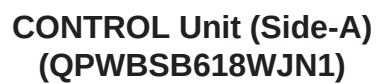












PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by  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 information.

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

in **USA**: Contact your nearest SHARP Parts Distributor to order.
For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

★ MARK: SPARE PARTS-DELIVERY SECTION

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

LC-13C3U-S

DUNTKB273FE07	—	DIGITAL Unit	—
DUNTKB617DE01	—	ANALOG Unit	—
DUNTKB618DE01	—	CONTROL Unit	—
DUNTKB619DE01	—	R/C, LED Unit	—
DUNTKB620DE01	—	INVERTER Unit	—

LC-15C3U-S

DUNTKB273FE08	—	DIGITAL Unit	—
DUNTKB617DE02	—	ANALOG Unit	—
DUNTKB618DE02	—	CONTROL Unit	—
DUNTKB619DE02	—	R/C, LED Unit	—
DUNTKB620DE02	—	INVERTER Unit	—

LCD PANEL

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

RLCDA012WJZZ	J	13" LCD Panel Unit	CV
RLCDA013WJZZ	J	15" LCD Panel Unit	DB

LISTE DES PIECES

CHANGE DES PIECES

Les pièces de rechange qui présentent ces caractéristiques spéciales de sécurité, sont identifiées dans ce manuel : les pièces électriques qui présentent ces particularités, sont repérées par la marque  et sont hachurées dans les listes de pièces et dans les diagrammes schématisés.

La substitution d'une pièce de rechange par une autre qui ne présente pas les mêmes caractéristiques de sécurité que la pièce recommandée par l'usine et dans ce manuel de service, peut provoquer une électrocution, un incendie ou tout autre sinistre.

"COMMENT COMMANDER LES PIECES DE RECHANGE"

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivants.

- | | |
|---------------------|----------------|
| 1. NUMERO DU MODELE | 2. NO. DE REF |
| 3. NO. DE PIECE | 4. DESCRIPTION |

in **CANADA**: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100

★MARQUE: SECTION LIVRAISON DES PIECES DE RECHANGE

DUNTKB273FE07(LC-13C3U-S) DUNTKB273FE08(LC-15C3U-S) DIGITAL UNIT

INTEGRATED CIRCUITS

IC401	VHIBA7046F/-1Y	J	BA7046F	AF
IC702	VHIBA033FP/-1Y	J	BA033FP-E2	AG
IC703	VHIPQ20VZ11-1Y	J	PQ20VZ11	AG
IC801	VHIVPC3230D1EQ	J	VPC3230D-QA-B3	BD
IC1101	VHIMB8346BV-1Y	J	MB88346BPFV	AN
IC1103	VHINJM2060V-1Y	J	NJM2060V	AF
IC1104	VHINJM2060V-1Y	J	NJM2060V	AF
IC1105	VHIBU4053V/-1Y	J	BU4053BCFV-E2	AE
IC1107	VHINJM4580V-1Y	J	NJM4580V	AE
IC1108	VHINJM4580V-1Y	J	NJM4580V	AE
IC1109	VHILF353M/-1Y	J	LF353M	AF
IC1110	VHIBU4053V/-1Y	J	BU4053BCFV-E2	AE
IC1111	VHIMB8346BV-1Y	J	MB88346BPFV	AN
IC1112	VHIBU4053V/-1Y	J	BU4053BCFV-E2	AE
IC1113	VHIBU4053V/-1Y	J	BU4053BCFV-E2	AE
IC1114	VHINJM4580V-1Y	J	NJM4580V	AE
IC1115	VHINJM4580V-1Y	J	NJM4580V	AE
IC1116	VHINJM2147M-1Y	J	NJM2147M-TE1	AF
IC1201	RH-IX3378CEN1Q	J	LR38815	AY
IC1202	VHIPD485505-2Y	J	UPD485505G-25	AY
IC1206	VHILVX125FT-1Y	J	TC74LVX125FT	AG
IC1207	VHITC4W66U/-1Y	J	TC4W66FU	AE
IC1208	VHIPQ1R34++-1Y	J	PQ1R34	AE
IC2001	RH-IXA460WJZZQ	J	M306V0ME-184FP	AZ
IC2002	VHIBD4746G+-1Y	J	BD4746G-TR	AD
IC2004	VHIBR2416E2-1Y	J	BR24C16F	AK

TRANSISTORS

Q401	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q402	VS2SA1037KQ-1Y	J	2SA1037KQ	AA
Q711	VS2SA1037KQ-1Y	J	2SA1037KQ	AA
Q712	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1101	VS2SA1729/-1Y	J	2SA1729	AF
Q1102	VS2SC4520/-1Y	J	2SC4520	AE
Q1103	VS2SA1036K/-1Y	J	2SA1036K	AC
Q1104	VS2SA1036K/-1Y	J	2SA1036K	AC
Q1105	VS2SA1036K/-1Y	J	2SA1036K	AC

Ref. No.	Part No.	★	Description	Code
DUNTKB273FE07(LC-13C3U-S)				
DUNTKB273FE08(LC-15C3U-S)				
DIGITAL UNIT (Continued)				
Q1106	VSFMMT718/-1Y	J	FMMT718	AE
Q1107	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1108	VS2SC4520/-1Y	J	2SC4520	AE
Q1109	VS2SA1729/-1Y	J	2SA1729	AF
Q1201	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1203	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1204	VS2SA1037KQ-1Y	J	2SA1037KQ	AA
Q1205	VSUMX2N++++-1Y	J	UMX2N++++	AB
Q2004	VSDTC114EE/-1Y	J	DTC144EE	AB
Q2007	VSDTC144EE/-1Y	J	DTC144EE	AA

DIODES

D701	VHDDAN202K/-1Y	J	Diode	AB
D1101	VHD1SS250//1EY	J	Diode	AB
D1107	VHD1SS250//1EY	J	Diode	AB
D1108	VHDDAN222//1Y	J	Diode	AA
D1109	VHDDAN222//1Y	J	Diode	AA
D1110	VHDDAN222//1Y	J	Diode	AA
D1201	VHD1SS250//1EY	J	Diode	AB
D1203	VHDB491D+-1Y	J	Diode	AD
D1205	VHDDAN222//1Y	J	Diode	AA
D1206	RH-EX0227CEZZY	J	Zener Diode	AB
D1208	VHDDAN222//1Y	J	Diode	AA
D1209	RH-EX1247CEZZY	J	Zener Diode	AB
D1210	VHDDAN222//1Y	J	Diode	AA
D1211	VHDDAN222//1Y	J	Diode	AA
D1212	VHDB481K+-1Y	J	Diode	AD
D2002	VHDB491D+-1Y	J	Diode	AD
D2004	RH-DX0061GEZZY	J	Diode	AD

PACKAGED CIRCUITS

X801	RCRSC0012CEZZY	J	Crystal, 10MHz	AH
X2002	RFILZ0169TAZZY	J	Filter	AD

FILTERS AND COILS

L801	VP-9N3R3KR46NY	J	Peaking 3.3μH	AC
L802	VP-9N3R3KR46NY	J	Peaking 3.3μH	AC
L803	VP-9N3R3KR46NY	J	Peaking 3.3μH	AC
L804	RCILC0055CEZZY	J	Coil	AD
L805	RCILC0055CEZZY	J	Coil	AD
L1201	VP-1M470J5R4NY	J	Peaking 47μH	AC
L1202	RCILC0055CEZZY	J	Coil	AD
L1203	VP-1M220J2R9NY	J	Peaking 22μH	AB
L1204	VP-1M220J2R9NY	J	Peaking 22μH	AB
L1205	VP-1M220J2R9NY	J	Peaking 22μH	AB

CAPACITORS

C401	VCKYTV1AB105KY	J	1 10V Ceramic	AC
C402	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C403	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C404	VCEAPF0JW476MY	J	47 6.3V Electrolytic	AB
C405	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C406	VCKYTV1AB105KY	J	1 10V Ceramic	AC
C407	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C410	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C701	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C702	VCEAPF1CN226MY	J	22 16V Electrolytic	AD
C703	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C705	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C706	VCEAPF0JN226MY	J	22 6.3V Electrolytic	AD
C711	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C801	VCEAPF1CN106MY	J	10 16V Electrolytic	AD
C802	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C803	VCCCCY1HH7R0DY	J	7p 50V Ceramic	AA
C804	VCCCCY1HH7R0DY	J	7p 50V Ceramic	AA
C805	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C806	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C807	VCKYCY1HB331KY	J	330p 50V Ceramic	AA
C808	VCKYCY1HB331KY	J	330p 50V Ceramic	AA
C809	VCEAPF1CN107MY	J	100 16V Electrolytic	AD
C810	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C811	VCKYCY1HB331KY	J	330p 50V Ceramic	AA

C812	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C813	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C814	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C815	VCKYTV1CF684ZY	J	0.68 16V Ceramic	AB
C816	VCKYTV1CF684ZY	J	0.68 16V Ceramic	AB
C817	VCKYTV1CF684ZY	J	0.68 16V Ceramic	AB
C818	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C819	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C820	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C821	VCEAPF1CN107MY	J	100 16V Electrolytic	AD
C822	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C823	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C824	VCKYCY1AB224KY	J	0.22 10V Ceramic	AB
C825	VCKYCY1AB224KY	J	0.22 10V Ceramic	AB
C826	VCEAPF0GW227MY	J	220 4V Electrolytic	AD
C827	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C828	VCKYCY1AB224KY	J	0.22 10V Ceramic	AB
C830	VCKYCY1CF224ZY	J	0.22 16V Ceramic	AB
C831	VCKYCY1CF224ZY	J	0.22 16V Ceramic	AB
C832	VCKYCY1CF224ZY	J	0.22 16V Ceramic	AB
C834	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C836	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C837	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C838	VCEAPF0GW107MY	J	100 4V Electrolytic	AC
C839	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C840	VCKYTV1CF684ZY	J	0.68 16V Ceramic	AB
C1101	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1104	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1105	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1111	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1112	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1113	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1114	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1115	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1116	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1117	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C1118	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1119	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C1120	VCKYTV1EF104ZY	J	0.1 25V Ceramic	AB
C1122	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C1123	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1124	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1125	VCEAPF1CN107MY	J	100 16V Electrolytic	AD
C1126	RC-EZ1339CEZZY	J	220 16V Electrolytic	AD
C1130	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1131	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1132	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1133	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1134	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1135	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1136	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1137	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1138	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1139	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1141	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1142	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1143	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1144	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1145	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1146	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1147	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1148	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1149	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1150	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1151	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1152	VCCCCY1HH181JY	J	180p 50V Ceramic	AA
C1153	VCKYTV1HB103KY	J	0.01 50V Ceramic	AA
C1154	VCKYTV1HB103KY	J	0.01 50V Ceramic	AA
C1155	VCKYTV1CB334KY	J	0.33 16V Ceramic	AC
C1156	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C1157	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1202	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1204	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C1205	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C1206	VCEAPF1HN106MY	J	10 50V Electrolytic	AD
C1207	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB273FE07(LC-13C3U-S)					R819	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
DUNTKB273FE08(LC-15C3U-S)					R826	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
DIGITAL UNIT (Continued)					R831	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C1208	VCKYTV1HF104ZY	J 0.1	50V Ceramic	AB	R832	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C1209	VCEASH0JN227MY	J 220	6.3V Electrolytic	AC	R833	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C1210	VCEAPF0GW107MY	J 100	4V Electrolytic	AC	R834	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C1211	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R836	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C1212	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R838	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C1213	VCEAPF1CW107MY	J 100	16V Electrolytic	AC	R844	VRS-CY1JF105JY	J 1 M	1/16W Metal Oxide	AA
C1214	VCEAPF0GW107MY	J 100	4V Electrolytic	AC	R1001	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C1215	VCKYTV1CF105ZY	J 1	16V Ceramic	AB	R1002	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
C1217	VCEAPF1HN475MY	J 4.7	50V Electrolytic	AC	R1003	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
C1218	VCEAPF1CN106MY	J 10	16V Electrolytic	AD	R1005	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
C1223	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1006	VRS-CY1JF243FY	J 24k	1/16W Metal Oxide	AA
C1224	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1007	VRS-CY1JF563FY	J 56k	1/16W Metal Oxide	AA
C1225	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1008	VRS-CY1JF822FY	J 8.2k	1/16W Metal Oxide	AA
C1226	VCEAPF1HN106MY	J 10	50V Electrolytic	AD	R1009	VRS-CY1JF682FY	J 6.8k	1/16W Metal Oxide	AA
C1227	VCKYTV1CB105KY	J 1	16V Ceramic	AC	R1013	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C1228	VCKYTV1CF105ZY	J 1	16V Ceramic	AB	R1014	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C1229	VCEAPF1CN226MY	J 22	16V Electrolytic	AD	R1016	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C1230	VCKYTV1CB105KY	J 1	16V Ceramic	AC	R1017	VRS-CY1JF272JY	J 2.7k	1/16W Metal Oxide	AA
C1231	VCEAPF1CN107MY	J 100	16V Electrolytic	AD	R1019	VRS-CY1JF473JY	J 47k	1/16W Metal Oxide	AA
C1232	VCKYTV1HF104ZY	J 0.1	50V Ceramic	AB	R1020	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
C1234	VCKYTV1AB105KY	J 1	10V Ceramic	AC	R1021	VRS-TW2ED102JY	J 1k	1/4W Metal Oxide	AA
C2001	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA	R1022	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C2002	VCCCCY1HH221JY	J 220p	50V Ceramic	AA	R1024	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
C2003	VCKYTV1AB105KY	J 1	10V Ceramic	AC	R1025	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C2006	VCKYTV1CF105ZY	J 1	16V Ceramic	AB	R1026	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C2007	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1027	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
C2009	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1028	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
C2010	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1029	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
C2015	VCKYCY1HB561KY	J 560p	50V Ceramic	AA	R1030	VRS-TW2ED150JY	J 15	1/4W Metal Oxide	AA
C2016	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1033	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C2017	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1034	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C2018	VCCCCY1HH220JY	J 22p	50V Ceramic	AA	R1106	VRK-CD1JJ333JY	J 33k	1/16W Metal	AC
C2021	VCEAPF1CW107MY	J 100	16V Electrolytic	AC				Composition	
C2023	VCEAPF1CN106MY	J 10	16V Electrolytic	AD	R1107	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
C7104	VCEAPF1CN107MY	J 100	16V Electrolytic	AD	R1108	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
C7105	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1110	VRS-CY1JF104FY	J 100k	1/16W Metal Oxide	AA
RESISTORS					R1112	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R401	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA	R1114	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R402	VRS-CY1JF333JY	J 33k	1/16W Metal Oxide	AA	R1117	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R403	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R1118	VRS-CY1JF563FY	J 56k	1/16W Metal Oxide	AA
R404	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA	R1119	VRS-CY1JF472FY	J 4.7k	1/16W Metal Oxide	AA
R405	VRS-CY1JF562JY	J 5.6k	1/16W Metal Oxide	AA	R1120	VRS-TX2HF5R6JY	J 5.6	1/2W Metal Oxide	AB
R406	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA	R1121	VRS-CY1JF181JY	J 180	1/16W Metal Oxide	AA
R408	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA	R1123	VRS-CY1JF181JY	J 180	1/16W Metal Oxide	AA
R409	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R1124	VRS-CY1JF472FY	J 4.7k	1/16W Metal Oxide	AA
R410	VRS-CY1JF474JY	J 470k	1/16W Metal Oxide	AA	R1125	VRS-TX2HF101JY	J 100	1/2W Metal Oxide	AA
R411	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA	R1126	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R412	VRS-CY1JF562JY	J 5.6k	1/16W Metal Oxide	AA	R1127	VRS-TX2HF1R8JY	J 1.8	1/2W Metal Oxide	AB
R705	VRS-CY1JF1R0JY	J 1	1/16W Metal Oxide	AA	R1128	VRS-CY1JF105JY	J 1 M	1/16W Metal Oxide	AA
R711	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R1129	VRS-CY1JF363FY	J 36k	1/16W Metal Oxide	AA
R712	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R1130	VRS-TX2HF5R6JY	J 5.6	1/2W Metal Oxide	AB
R714	VRS-CY1JF1R0JY	J 1	1/16W Metal Oxide	AA	R1131	VRS-CY1JF105JY	J 1 M	1/16W Metal Oxide	AA
R715	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R1132	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R716	VRS-CY1JF102FY	J 1k	1/16W Metal Oxide	AA	R1134	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R717	VRS-CY1JF362FY	J 3.6k	1/16W Metal Oxide	AA	R1140	VRS-CY1JF273FY	J 27k	1/16W Metal Oxide	AA
R719	VRS-CY1JF823FY	J 82k	1/16W Metal Oxide	AA	R1142	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R726	VRS-CY1JF1R0JY	J 1	1/16W Metal Oxide	AA	R1143	VRS-CY1JF391JY	J 390	1/16W Metal Oxide	AA
R801	VRS-CB1JF221JY	J 220	1/16W Metal Oxide	AC	R1144	VRS-CY1JF391JY	J 390	1/16W Metal Oxide	AA
R802	VRS-CB1JF220JY	J 22	1/16W Metal Oxide	AC	R1145	VRS-TW2ED5R6JY	J 5.6	1/4W Metal Oxide	AA
R803	VRS-CB1JF220JY	J 22	1/16W Metal Oxide	AC	R1146	VRS-TW2ED8R2JY	J 8.2	1/4W Metal Oxide	AA
R804	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA	R1148	VRS-TX2HF100JY	J 10	1/2W Metal Oxide	AB
R807	VRS-CY1JF750JY	J 75	1/16W Metal Oxide	AA	R1157	VRS-CY1JF683FY	J 68k	1/16W Metal Oxide	AA
R808	VRS-CY1JF750JY	J 75	1/16W Metal Oxide	AA	R1160	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R809	VRS-CY1JF750JY	J 75	1/16W Metal Oxide	AA	R1161	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R810	VRS-CB1JF220JY	J 22	1/16W Metal Oxide	AC	R1162	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R811	VRS-CY1JF222JY	J 2.2k	1/16W Metal Oxide	AA	R1163	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
R812	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA	R1164	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R813	VRS-CB1JF220JY	J 22	1/16W Metal Oxide	AC	R1166	VRS-CY1JF104FY	J 100k	1/16W Metal Oxide	AA
R814	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA	R1167	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R815	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA	R1168	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R816	VRS-CY1JF470JY	J 47	1/16W Metal Oxide	AA	R1169	VRK-CD1JJ333JY	J 33k	1/16W Metal	AC
								Composition	
					R1170	VRS-CY1JF683FY	J 68k	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
DUNTKB273FE07(LC-13C3U-S)				
DUNTKB273FE08(LC-15C3U-S)				
DIGITAL UNIT (Continued)				
R1171	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
R1172	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R1174	VRS-CY1JF683FY	J 68k	1/16W Metal Oxide	AA
R1175	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
R1176	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R1177	VRS-CY1JF683FY	J 68k	1/16W Metal Oxide	AA
R1178	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
R1179	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R1182	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R1183	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R1184	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R1185	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R1186	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R1187	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R1188	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R1190	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1191	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1192	VRS-CY1JF680FY	J 68	1/16W Metal Oxide	AA
R1193	VRS-CY1JF680JY	J 68	1/16W Metal Oxide	AA
R1194	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1195	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1196	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1199	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1201	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1202	VRK-CD1JJ220JY	J 22	1/16W Metal Composition	AC
R1203	VRK-CD1JJ220JY	J 22	1/16W Metal Composition	AC
R1204	VRK-CD1JJ220JY	J 22	1/16W Metal Composition	AC
R1208	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R1209	VRS-CA1JF220JY	J 22	1/16W Metal Oxide	AA
R1210	VRS-CY1JF220JY	J 22	1/16W Metal Oxide	AA
R1211	VRS-CY1JF221JY	J 220	1/16W Metal Oxide	AA
R1212	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1214	VRS-CB1JF101JY	J 100	1/16W Metal Oxide	AA
R1217	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R1218	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA
R1221	VRS-CB1JF332JY	J 3.3k	1/16W Metal Oxide	AC
R1222	VRS-CB1JF000JY	J 0	1/16W Metal Oxide	AC
R1223	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA
R1225	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R1226	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R1228	VRS-TX2HF330JY	J 33	1/2W Metal Oxide	AB
R1230	VRS-TV1JD562JY	J 5.6k	1/16W Metal Oxide	AA
R1231	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1232	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R1233	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R1235	VRS-CB1JF473JY	J 47k	1/16W Metal Oxide	AC
R1236	VRS-CB1JF473JY	J 47k	1/16W Metal Oxide	AC
R1237	VRS-TX2HF472JY	J 4.7k	1/2W Metal Oxide	AB
R1238	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R1240	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1243	VRS-CY1JF1R0JY	J 1	1/16W Metal Oxide	AA
R1245	VRS-CY1JF272JY	J 2.7k	1/16W Metal Oxide	AA
R1246	VRS-CY1JF272JY	J 2.7k	1/16W Metal Oxide	AA
R1247	VRS-CY1JF682JY	J 6.8k	1/16W Metal Oxide	AA
R1248	VRS-CY1JF562JY	J 5.6k	1/16W Metal Oxide	AA
R1249	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1250	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1251	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1252	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1260	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1261	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2001	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2002	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2007	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R2009	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2010	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2011	VRS-CB1JF101JY	J 100	1/16W Metal Oxide	AA
R2012	VRS-CA1JF103JY	J 10k	1/16W Metal Oxide	AA
R2013	VRS-CA1JF103JY	J 10k	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R2014	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA
R2015	VRS-CB1JF331JY	J 330	1/16W Metal Oxide	AC
R2016	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2017	VRS-CA1JF102JY	J 1k	1/16W Metal Oxide	AA
R2018	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R2019	VRS-CY1JF471JY	J 470	1/16W Metal Oxide	AA
R2020	VRS-CY1JF105JY	J 1 M	1/16W Metal Oxide	AA
R2021	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2029	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R2030	VRS-CA1JF333JY	J 33k	1/16W Metal Oxide	AA
R2033	VRS-CB1JF101JY	J 100	1/16W Metal Oxide	AA
R2036	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2037	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2041	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2042	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2044	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2045	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2052	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2053	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA
R2055	VRS-CA1JF223JY	J 22k	1/16W Metal Oxide	AA
R2056	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2057	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R2058	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2060	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2061	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2067	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R2068	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R2071	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2072	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2074	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2075	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

FB801	RBLN-0090CEZZY	J	Ferrite Bead	AD
FB802	RBLN-0090CEZZY	J	Ferrite Bead	AD
FB1201	RBLN-0090CEZZY	J	Ferrite Bead	AD
FB1202	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1203	RBLN-0076TAZZY	J	Ferrite Bead	AC
P701	QLUGHA001WJZZY	J	Lug	AD
P2001	QPLGN0558REZZY	J	Plug, 5-pin	AE
P2003	QPLGN1158REZZY	J	Plug, 11-pin	AD
P2004	QPLGN0165FJZZY	J	Plug, 5-pin	AD
SC1201	QSOCNA002WJPZY	J	Socket , 20-pin	AD
SC1202	QSOCN0687FJZZY	J	Socket , 50-pin	AF
SC1203	QSOCN0206FJZZY	J	Socket , 30-pin	AF
SC2001	QSOCN0464FJZZY	J	Socket , 50-pin	AH

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB617DE01(LC-13C3U-S)					COILS				
DUNTKB617DE02(LC-15C3U-S)					L3201	VP-1M220J2R9NY	J	Peaking 22μH	AB
ANALOG UNIT					L3202	RCILPA027WJZZ	J	Coil	AD
TUNER					L3301	VP-1M101J7R7NY	J	Peaking 100μH	AC
NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.					L3302	VP-1M4R7J1R2NY	J	Peaking 4.7μH	AB
TU3201	VTUVT2U5UF553	J	Tuner	BC	L3402	RCILP0241TAZZY	J	Coil	AF
INTEGRATED CIRCUITS					L3406	VP-9N4R7KR56NY	J	Peaking 4.7μH	AC
IC3301	VHINJM4560M-1Y	J	NJM4560M	AG	L3408	VP-9N4R7KR56NY	J	Peaking 4.7μH	AC
IC3302	VHINJM4560M-1Y	J	NJM4560M	AG	L3409	VP-9N4R7KR56NY	J	Peaking 4.7μH	AC
IC3303	VHINJM4560M-1Y	J	NJM4560M	AG	L3700	RCILPA026WJZZ	J	Coil	AD
IC3304	RH-IX3370CEN1Q	J	MSP3440G-QA-B8	AY	L3702	RCILPA026WJZZ	J	Coil	AD
IC3305	VHILA4635A+-1S	J	LA4635A	AM	L3703	RCILC0057CEZZY	J	Coil	AD
IC3401	VHICXA2089Q-1S	J	CXA2089Q	AN	L3704	RCILC0055CEZZY	J	Coil	AD
IC3403	VHISI3012LU-1Y	J	SI-3012LU	AE	TRANSFORMERS				
IC3501	VHITC4053BF1EY	J	TC4053BF	AF	△ T3701	RTRNWA038WJZZY	J	Transformer	AK
IC3502	VHINJM2283F-1Y	J	NJM2283M	AF	CONTROL				
IC3507	VHILA4635A+-1S	J	LA4635A	AM	R3760	RVR-M0111CEZZY	J	1k(B) B+ Adj.	AC
IC3508	VHINJM4560M-1Y	J	NJM4560M	AG	CAPACITORS				
IC3701	VHINJM2377M-1Y	J	NJM2377M	AK	C3201	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
IC3702	VHINJM2147M-1Y	J	NJM2147M-TE1	AF	C3202	VCCCCY1HH330JY	J	33p 50V Ceramic	AA
TRANSISTORS					C3203	VCCCCY1HH330JY	J	33p 50V Ceramic	AA
Q3201	VS2SC3928AR-1Y	J	2SC3928AR	AB	C3204	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
Q3202	VS2SC3928AR-1Y	J	2SC3928AR	AB	C3205	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
Q3303	VS2TA144EE/-1Y	J	DTA144EE	AA	C3206	VCKYCY1HF103ZY	J	0.01 50V Ceramic	AA
Q3304	VSDTC314TK/-1Y	J	DTC314TK	AC	C3208	RC-EZ1351CEZZ	J	3300 6.3V Electrolytic	AF
Q3305	VSDTC314TK/-1Y	J	DTC314TK	AC	C3210	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
Q3306	VS2SC3928AR-1Y	J	2SC3928AR	AB	C3211	RC-KZ0074TAZZY	J	10 6.3V Ceramic	AF
Q3409	VS2SA1037KQ-1Y	J	2SA1037KQ	AA	C3212	RC-KZ0074TAZZY	J	10 6.3V Ceramic	AF
Q3500	VSUMG4N++++-1Y	J	UMG4N++++	AB	C3214	VCAAPC0JJ226MY	J	22 6.3V Electrolytic	AE
Q3501	VS2SK1467/-1Y	J	2SK1467	AE	C3308	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
Q3502	VS2SK1467/-1Y	J	2SK1467	AE	C3309	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
Q3503	VS2SC3928AR-1Y	J	2SC3928AR	AB	C3310	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
Q3504	VS2SC3928AR-1Y	J	2SC3928AR	AB	C3311	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
Q3505	VSDTC114EE/-1Y	J	DTC114EE	AB	C3312	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
Q3510	VSDTC314TK/-1Y	J	DTC314TK	AC	C3313	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
Q3511	VSDTC314TK/-1Y	J	DTC314TK	AC	C3314	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
Q3512	VS2SA1037KQ-1Y	J	2SA1037KQ	AA	C3315	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
Q3519	VSDTC314TK/-1Y	J	DTC314TK	AC	C3316	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
Q3600	VSUPA606T/-1Y	J	UPA606T	AD	C3317	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
Q3601	VSUPA606T/-1Y	J	UPA606T	AD	C3318	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
Q3700	VSFMMT718/-1Y	J	FMMT718	AE	C3319	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
Q3701	VSDTC144EE/-1Y	J	DTC144EE	AA	C3320	VCEAPF1CW476MY	J	47 16V Electrolytic	AC
Q3702	VS2SK2503/-1Y	J	2SK2503	AE	C3323	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
Q3704	VSFMMT619/-1Y	J	FMMT619	AE	C3324	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
Q3706	VSIMZ1A///-1Y	J	IMZ1A	AC	C3325	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
Q3707	VS2SC3928AR-1Y	J	2SC3928AR	AB	C3328	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
Q3708	VSDTC114YE/-1Y	J	DTC114YE	AB	C3329	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
Q3709	VSFMMT718/-1Y	J	FMMT718	AE	C3330	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
Q3710	VSDTC144EE/-1Y	J	DTC144EE	AA	C3332	VCEAPF0JW107MY	J	100 6.3V Electrolytic	AC
DIODES					C3333	VCEAPF1CW107MY	J	100 16V Electrolytic	AC
D3301	RH-EX1396CEZZY	J	Zener Diode, 6.8V	AB	C3334	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3302	VHDDAN222/-1Y	J	Diode	AA	C3335	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
D3401	RH-EX1271CEZZY	J	Zener Diode, 12V	AB	C3336	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
D3402	RH-EX1271CEZZY	J	Zener Diode, 12V	AB	C3337	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
D3501	VHDDAN222/-1Y	J	Diode	AA	C3338	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
D3503	VHDDAN222/-1Y	J	Diode	AA	C3339	VCEAPF1HW335MY	J	3.3 50V Electrolytic	AC
D3508	VHDDAN222/-1Y	J	Diode	AA	C3340	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3600	VHDI MN10///-1Y	J	Diode	AB	C3341	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
D3601	VHDI MN10///-1Y	J	Diode	AB	C3342	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
D3604	VHDDAN222/-1Y	J	Diode	AA	C3345	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
D3605	VHDDAN222/-1Y	J	Diode	AA	C3346	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
D3703	VHDSFPB56//2EY	J	Diode	AC	C3347	VCKYCY1EB223KY	J	0.022 25V Ceramic	AA
D3704	VHD1SS250//1EY	J	Diode	AB	C3348	VCKYCY1EB223KY	J	0.022 25V Ceramic	AA
D3705	VHD1SS250//1EY	J	Diode	AB	C3349	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3706	VHDSFPB74//2EY	J	Diode	AD	C3350	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
D3707	VHDSFPB74//2EY	J	Diode	AD	C3351	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
D3708	VHDDAN222/-1Y	J	Diode	AA	C3352	VCEAPF0JW107MY	J	100 6.3V Electrolytic	AC
D3709	VHDDAN222/-1Y	J	Diode	AA	C3354	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
PACKAGED CIRCUIT					C3355	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
X3301	RCRSB0250GEZZ	J	Crystal, 18.432MHz	AG	C3356	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
					C3357	VCCCCY1HH5R0CY	J	5.0p 50V Ceramic	AA
					C3358	VCCCCY1HH5R0CY	J	5.0p 50V Ceramic	AA
					C3359	VCEAPF1CN106MY	J	10 16V Electrolytic	AD

Ref. No.	Part No.	★	Description	Code
DUNTKB617DE01(LC-13C3U-S)				
DUNTKB617DE02(LC-15C3U-S)				
ANALOG UNIT (Continued)				
C3360	VCEAPF1CN107MY	J 100	16V Electrolytic	AD
C3361	RC-KZ0072TAZZY	J 1	25V Ceramic	AC
C3362	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA
C3363	VCEAPF1HW225MY	J 2.2	50V Electrolytic	AB
C3364	RC-KZ0072TAZZY	J 1	25V Ceramic	AC
C3365	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA
C3366	VCEAPF1HW225MY	J 2.2	50V Electrolytic	AB
C3367	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C3368	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C3369	RC-EZ1274CEZZ	J 1000	16V Electrolytic	AD
C3370	VCKYTV1CF105ZY	J 1	16V Ceramic	AB
C3372	RC-EZ1274CEZZ	J 1000	16V Electrolytic	AD
C3380	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3382	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA
C3383	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3384	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3385	VCKYCY1HB822KY	J 8200p	50V Ceramic	AB
C3386	VCKYCY1HB822KY	J 8200p	50V Ceramic	AB
C3387	VCKYCY1HB562KY	J 5600p	50V Ceramic	AA
C3388	VCKYCY1HB562KY	J 5600p	50V Ceramic	AA
C3389	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3394	VCEAPF1HW225MY	J 2.2	50V Electrolytic	AB
C3395	VCEAPF1HW225MY	J 2.2	50V Electrolytic	AB
C3401	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3407	VCKYTQ1CB474KY	J 0.47	16V Ceramic	AC
C3424	VCEAPF1CW476MY	J 47	16V Electrolytic	AC
C3425	RC-EZ1339CEZZY	J 220	16V Electrolytic	AD
C3426	RC-KZ0072TAZZY	J 1	25V Ceramic	AC
C3437	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C3438	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3439	VCEAPF1CW107MY	J 100	16V Electrolytic	AC
C3449	VCKYTV1CF474ZY	J 0.47	16V Ceramic	AB
C3451	VCKYTV1CF474ZY	J 0.47	16V Ceramic	AB
C3455	VCCCCY1HH331JY	J 330p	50V Ceramic	AA
C3456	VCCCCY1HH331JY	J 330p	50V Ceramic	AA
C3459	VCCCCY1HH331JY	J 330p	50V Ceramic	AA
C3507	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3508	RC-EZ0417CEZZY	J 150	16V Electrolytic	AD
C3509	VCEAPF1CW107MY	J 100	16V Electrolytic	AC
C3510	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3512	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3513	VCEASH1CN477MY	J 470	16V Electrolytic	AD
C3514	VCEAPF0JW336MY	J 33	6.3V Electrolytic	AB
C3515	VCEAPF0JW226MY	J 22	6.3V Electrolytic	AB
C3516	RC-KZ1025CEZZY	J 1	10V Ceramic	AB
C3522	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C3523	RC-KZ0072TAZZY	J 1	25V Ceramic	AC
C3524	RC-KZ0072TAZZY	J 1	25V Ceramic	AC
C3527	RC-KZ0072TAZZY	J 1	25V Ceramic	AC
C3528	RC-KZ0072TAZZY	J 1	25V Ceramic	AC
C3529	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3532	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C3533	VCEAPF1HW225MY	J 2.2	50V Electrolytic	AB
C3534	VCEAPF1HW105MY	J 1	50V Electrolytic	AB
C3535	VCEAPF1CW107MY	J 100	16V Electrolytic	AC
C3536	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA
C3537	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA
C3538	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C3539	VCKYTV1CF105ZY	J 1	16V Ceramic	AB
C3540	RC-EZ1274CEZZ	J 1000	16V Electrolytic	AD
C3541	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C3542	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C3543	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3544	VCKYTQ1CB474KY	J 0.47	16V Ceramic	AC
C3545	VCKYTQ1CB474KY	J 0.47	16V Ceramic	AC
C3546	VCKYCY1CB473KY	J 0.047	16V Ceramic	AA
C3547	VCKYCY1CB473KY	J 0.047	16V Ceramic	AA
C3548	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA
C3600	RC-KZ0072TAZZY	J 1	25V Ceramic	AC
C3601	RC-KZ0072TAZZY	J 1	25V Ceramic	AC
C3602	RC-KZ0072TAZZY	J 1	25V Ceramic	AC
C3603	RC-KZ0072TAZZY	J 1	25V Ceramic	AC

Ref. No.	Part No.	★	Description	Code
C3701	VCEAPF1EW475MY	J 4.7	25V Electrolytic	AB
C3702	RC-KZ1025CEZZY	J 1	10V Ceramic	AB
C3703	VCEAPT1CN226MY	J 22	16V Electrolytic	AC
C3704	VCCCCY1HH471JY	J 470p	50V Ceramic	AA
C3705	VCKYCY1EB103KY	J 0.01	25V Ceramic	AA
C3710	VCEASH1CN337MY	J 330	16V Electrolytic	AE
C3711	VCKYCY1HB562KY	J 5600p	50V Ceramic	AA
C3712	VCAAPD1CJ396MY	J 39	16V Electrolytic	AF
C3713	VCKYCY1HB562KY	J 5600p	50V Ceramic	AA
C3714	VCEASH1HN476MY	J 47	50V Electrolytic	AD
C3715	VCKYTV1HF104ZY	J 0.1	50V Ceramic	AB
C3716	VCEASH1VN227MY	J 220	35V Electrolytic	AD
C3717	VCKYTV1CF105ZY	J 1	16V Ceramic	AB
C3718	VCEASH1CN337MY	J 330	16V Electrolytic	AE
C3719	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3720	VCCCCY1HH181JY	J 180p	50V Ceramic	AA
C3721	VCKYTV1CF105ZY	J 1	16V Ceramic	AB
C3722	VCAAPD0JJ127MY	J 120	6.3V Electrolytic	AF
C3724	VCEASH1CN337MY	J 330	16V Electrolytic	AE
C3725	VCKYTV1CF105ZY	J 1	16V Ceramic	AB
C3727	VCEASH1CN477MY	J 470	16V Electrolytic	AD
C3728	VCKYTV1CF105ZY	J 1	16V Ceramic	AB
C3730	VCKYTV1HF104ZY	J 0.1	50V Ceramic	AB
C3732	RC-KZ1025CEZZY	J 1	10V Ceramic	AB
C3733	RC-KZ1025CEZZY	J 1	10V Ceramic	AB
C3734	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C3735	VCKYCY1HF103ZY	J 0.01	50V Ceramic	AA
C3741	VCEAPF1HW225MY	J 2.2	50V Electrolytic	AB
RESISTORS				
R3201	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R3202	VRS-CY1JF153JY	J 15k	1/16W Metal Oxide	AA
R3203	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA
R3204	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA
R3205	VRS-CY1JF331JY	J 330	1/16W Metal Oxide	AA
R3206	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R3207	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R3208	VRS-CA1JF561JY	J 560	1/16W Metal Oxide	AA
R3306	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3310	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3315	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R3316	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R3317	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R3318	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R3319	VRS-CY1JF472FY	J 4.7k	1/16W Metal Oxide	AA
R3320	VRS-CY1JF472FY	J 4.7k	1/16W Metal Oxide	AA
R3321	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R3322	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R3323	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R3324	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R3325	VRS-CY1JF683FY	J 68k	1/16W Metal Oxide	AA
R3326	VRS-CY1JF683FY	J 68k	1/16W Metal Oxide	AA
R3327	VRS-CY1JF154FY	J 150k	1/16W Metal Oxide	AA
R3328	VRS-CY1JF154FY	J 150k	1/16W Metal Oxide	AA
R3333	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R3334	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R3335	VRS-CY1JF471JY	J 470	1/16W Metal Oxide	AA
R3336	VRS-CY1JF471JY	J 470	1/16W Metal Oxide	AA
R3337	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R3338	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R3339	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3340	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3343	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R3344	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R3348	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R3351	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R3353	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3354	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3355	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3357	VRS-CY1JF105JY	J 1M	1/16W Metal Oxide	AA
R3358	VRS-CY1JF562JY	J 5.6k	1/16W Metal Oxide	AA
R3359	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3362	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R3362	VRS-CY1JF682JY	J 6.8k	1/16W Metal Oxide	AA

(LC-13C3US)
(LC-15C3US)

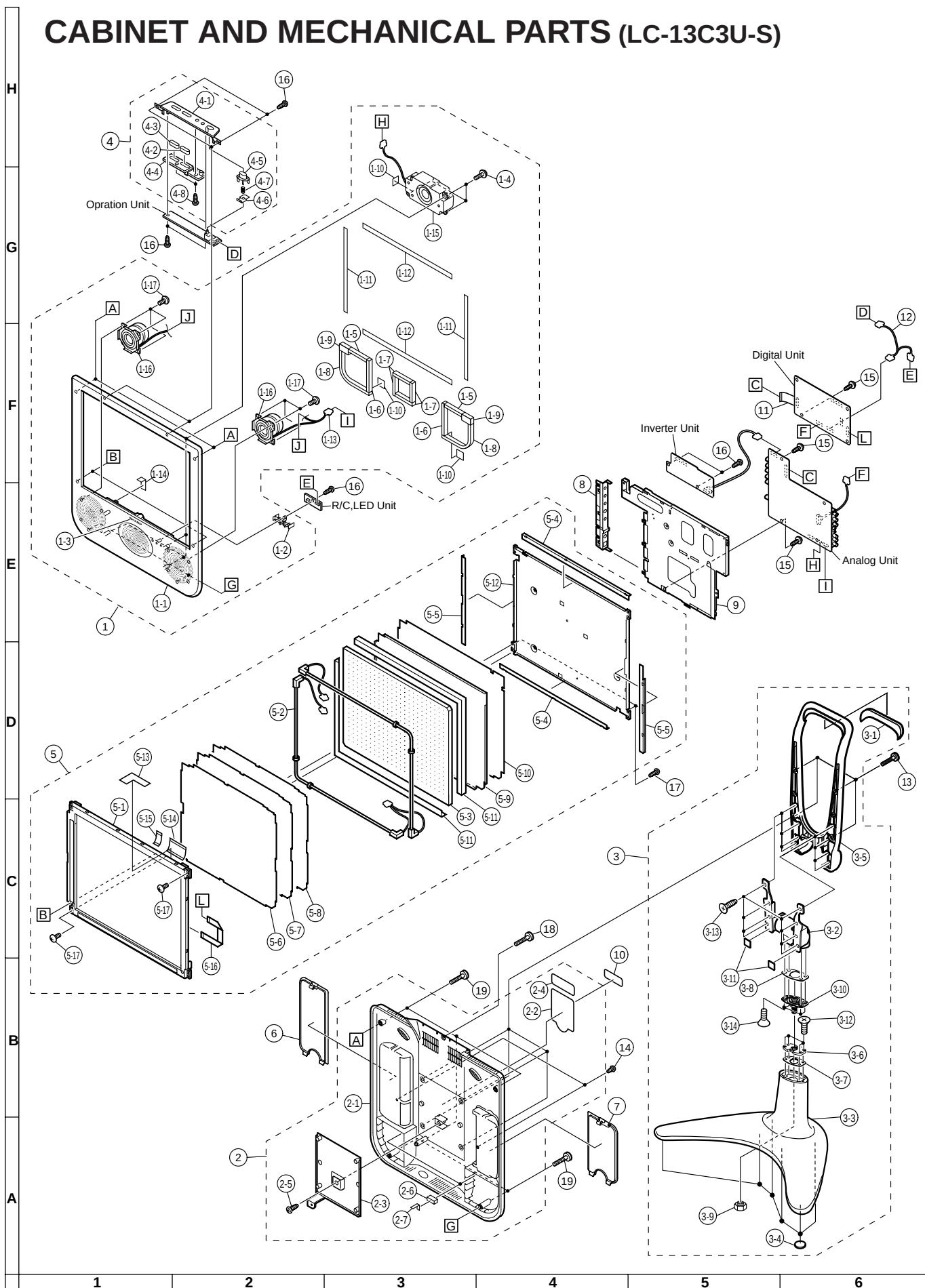
Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB617DE01(LC-13C3U-S)									
DUNTKB617DE02(LC-15C3U-S)									
ANALOG UNIT (Continued)									
R3363	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA (LC-13C3US)	R3535	VRS-CY1JF223JY	J	22k 1/16W	Metal Oxide AA
R3363	VRS-CY1JF682JY	J	6.8k 1/16W	Metal Oxide AA (LC-15C3US)	R3536	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA
R3364	VRS-CY1JF122JY	J	1.2k 1/16W	Metal Oxide AA	R3537	VRS-CY1JF272JY	J	2.7k 1/16W	Metal Oxide AA
R3365	VRS-CY1JF152JY	J	1.5k 1/16W	Metal Oxide AA (LC-13C3US)	R3540	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3365	VRS-CY1JF182JY	J	1.8k 1/16W	Metal Oxide AA (LC-15C3US)	R3542	VRS-CY1JF680JY	J	68 1/16W	Metal Oxide AA
R3366	VRS-CY1JF152JY	J	1.5k 1/16W	Metal Oxide AA (LC-13C3US)	R3543	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA
R3366	VRS-CY1JF182JY	J	1.8k 1/16W	Metal Oxide AA (LC-15C3US)	R3544	VRS-CY1JF104JY	J	100k 1/16W	Metal Oxide AA
R3367	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R3545	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3371	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3546	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3372	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3547	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3373	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3550	VRS-TX2HF221JY	J	220 1/2W	Metal Oxide AB
R3375	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3551	VRS-TX2HF221JY	J	220 1/2W	Metal Oxide AB
R3377	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3552	VRS-CY1JF153JY	J	15k 1/16W	Metal Oxide AA
R3379	VRS-CY1JF822JY	J	8.2k 1/16W	Metal Oxide AA	R3553	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3380	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3559	VRS-TX2HF000JY	J	0 1/2W	Metal Oxide AB
R3381	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA	R3560	VRS-TQ2BD000JY	J	0 1/8W	Metal Oxide AA
R3383	VRS-CY1JF153JY	J	15k 1/16W	Metal Oxide AA	R3571	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA
R3384	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3572	VRS-CY1JF153JY	J	15k 1/16W	Metal Oxide AA
R3386	VRS-CY1JF153FY	J	15k 1/16W	Metal Oxide AA	R3573	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA (LC-15C3US)
R3387	VRS-CY1JF153FY	J	15k 1/16W	Metal Oxide AA	R3573	VRS-CY1JF682JY	J	6.8k 1/16W	Metal Oxide AA (LC-13C3US)
R3388	VRS-CY1JF153FY	J	15k 1/16W	Metal Oxide AA	R3574	VRS-CY1JF152JY	J	1.5k 1/16W	Metal Oxide AA (LC-15C3US)
R3389	VRS-CY1JF153FY	J	15k 1/16W	Metal Oxide AA	R3574	VRS-CY1JF182JY	J	1.8k 1/16W	Metal Oxide AA (LC-13C3US)
R3397	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3575	VRS-CY1JF122JY	J	1.2k 1/16W	Metal Oxide AA
R3398	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3576	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3401	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3577	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3402	VRS-TQ2BD750JY	J	75 1/8W	Metal Oxide AA	R3578	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3409	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3579	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3410	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3580	VRS-CY1JF362FY	J	3.6k 1/16W	Metal Oxide AA (LC-13C3US)
R3411	VRS-TQ2BD750JY	J	75 1/8W	Metal Oxide AA	R3580	VRS-CY1JF512FY	J	5.1k 1/16W	Metal Oxide AA (LC-15C3US)
R3412	VRS-TQ2BD750JY	J	75 1/8W	Metal Oxide AA	R3581	VRS-CY1JF222FY	J	2.2k 1/16W	Metal Oxide AA (LC-13C3US)
R3413	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3581	VRS-CY1JF242FY	J	2.4k 1/16W	Metal Oxide AA (LC-15C3US)
R3414	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA	R3582	VRS-CY1JF332JY	J	3.3k 1/16W	Metal Oxide AA
R3415	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA	R3583	VRS-CY1JF103FY	J	10k 1/16W	Metal Oxide AA
R3420	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA	R3584	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3421	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA	R3585	VRS-CY1JF154FY	J	150k 1/16W	Metal Oxide AA
R3426	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA	R3586	VRS-CY1JF563FY	J	56k 1/16W	Metal Oxide AA
R3427	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA	R3600	VRS-CB1JF222JY	J	2.2k 1/16W	Metal Oxide AC
R3428	VRS-CY1JF750JY	J	75 1/16W	Metal Oxide AA	R3604	VRS-CB1JF824JY	J	820k 1/16W	Metal Oxide AC
R3429	VRS-CY1JF750JY	J	75 1/16W	Metal Oxide AA	R3607	VRS-CB1JF562JY	J	5.6k 1/16W	Metal Oxide AC
R3430	VRS-CY1JF750JY	J	75 1/16W	Metal Oxide AA	R3610	VRS-CY1JF563JY	J	56k 1/16W	Metal Oxide AA
R3431	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3700	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA
R3432	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3701	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3433	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3702	VRS-TW2ED102JY	J	1k 1/4W	Metal Oxide AA
R3460	VRS-TQ2BD1R0JY	J	1 1/8W	Metal Oxide AA	R3703	VRS-CY1JF274JY	J	270k 1/16W	Metal Oxide AA
R3472	VRS-CY1JF622FY	J	6.2k 1/16W	Metal Oxide AA	R3704	VRS-CY1JF133FY	J	13k 1/16W	Metal Oxide AA
R3473	VRS-CY1JF102FY	J	1k 1/16W	Metal Oxide AA	R3705	VRS-CY1JF184JY	J	180k 1/16W	Metal Oxide AA
R3482	VRS-CY1JF222FY	J	2.2k 1/16W	Metal Oxide AA	R3706	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R3483	VRS-CY1JF222FY	J	2.2k 1/16W	Metal Oxide AA	R3707	VRS-CY1JF105JY	J	1M 1/16W	Metal Oxide AA
R3484	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R3708	VRS-CY1JF682JY	J	6.8k 1/16W	Metal Oxide AA
R3489	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3710	VRS-CY1JF273FY	J	27k 1/16W	Metal Oxide AA
R3492	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3716	VRS-TX2HF000JY	J	0 1/2W	Metal Oxide AB
R3493	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3718	VRS-CE3AF821JY	J	820 1W	Metal Oxide AC
R3496	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3721	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3497	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3722	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3502	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R3724	VRS-CY1JF1R0JY	J	1 1/16W	Metal Oxide AA
R3503	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R3725	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3514	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3726	VRS-TQ2BD683JY	J	68k 1/8W	Metal Oxide AA
R3515	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3727	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3520	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3728	VRS-CY1JF393JY	J	39k 1/16W	Metal Oxide AA
R3523	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3730	VRS-CY1JF223JY	J	22k 1/16W	Metal Oxide AA
R3524	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3731	VRS-CY1JF222JY	J	2.2k 1/16W	Metal Oxide AA
R3530	VRS-CY1JF104JY	J	100k 1/16W	Metal Oxide AA	R3733	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3531	VRS-TQ2BD750JY	J	75 1/8W	Metal Oxide AA	R3734	VRS-CY1JF103FY	J	10k 1/16W	Metal Oxide AA
R3532	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R3735	VRS-CY1JF123FY	J	12k 1/16W	Metal Oxide AA
R3533	VRS-CY1JF680JY	J	68 1/16W	Metal Oxide AA	R3736	VRS-CY1JF223FY	J	22k 1/16W	Metal Oxide AA
R3534	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3737	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
					R3738	VRS-CY1JF103FY	J	10k 1/16W	Metal Oxide AA
					R3739	VRS-CY1JF622FY	J	6.2k 1/16W	Metal Oxide AA

Ref. No.	Part No.	★	Description	Code
DUNTKB617DE01(LC-13C3U-S) DUNTKB617DE02(LC-15C3U-S) ANALOG UNIT (Continued)				
R3740	VRS-CY1JF473FY	J	47k 1/16W Metal Oxide	AA
R3741	VRS-CY1JF113FY	J	11k 1/16W Metal Oxide	AA
R3742	VRS-CY1JF182FY	J	1.8k 1/16W Metal Oxide	AA
R3743	VRS-CY1JF122FY	J	1.2k 1/16W Metal Oxide	AA
R3745	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R3746	VRS-CY1JF122FY	J	1.2k 1/16W Metal Oxide	AA
R3749	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3750	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R3751	VRS-TV1JD103JY	J	10k 1/16W Metal Oxide	AA
R3752	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3753	VRS-TX2HF000JY	J	0 1/2W Metal Oxide	AB
R3759	VRS-TW2ED102JY	J	1k 1/4W Metal Oxide	AA
R3761	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
R3762	VRS-TW2ED561JY	J	560 1/4W Metal Oxide	AA
R3766	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R3901	VRS-TQ2BD000JY	J	0 1/8W Metal Oxide	AA
R3902	VRS-TQ2BD000JY	J	0 1/8W Metal Oxide	AA
MISCELLANEOUS PARTS				
△ F3701	QFS-B2021GEZZ	J	Fuse, 2.0A/125V	AD
△ F3702	QFS-B1621GEZZ	J	Fuse, 2.0A/125V	AD
FH3701	QFSDH1002CEZZ	J	Fuse Holder	AA
FH3702	QFSDH1002CEZZ	J	Fuse Holder	AA
FH3703	QFSDH1002CEZZ	J	Fuse Holder	AA
FH3704	QFSDH1002CEZZ	J	Fuse Holder	AA
FB3301	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB3302	RBLN-0035TAZZY	J	Ferrite Bead	AB
FB3700	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB3701	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB3704	RBLN-0051TAZZY	J	Ferrite Bead	AC
FB3705	RBLN-0051TAZZY	J	Ferrite Bead	AC
FB3706	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3707	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3708	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3709	RBLN-0095CEZZY	J	Ferrite Bead	AD
J3407	QJAKG0085CEZZ	J	AUDIO(L)/(R)/VIDEO(AV-IN1)	AG
J3408	QJAKG0085CEZZ	J	AUDIO(L)/(R)/VIDEO(AV-IN2)	AG
J3409	QJAKF0060CEZZ	J	AUDIO(L)/(R)(COMPONENT)	AE
J3410	QJAKGA025WJZZ	J	Y/PB/PR(COMPONENT)	AE
J3500	QJAKJ0046CEZZ	J	HEADPHONE	AE
J3701	QJAKE0193CEZZ	J	POWER INPUT(DC12V)	AK
P3501	QPLGN0278GEZZ	J	Plug, 2-pin	AA
P3502	QPLGN0478GEZZ	J	Plug, 4-pin	AB
P3601	QPLGN0478GEZZ	J	Plug, 4-pin	AB
P3701	QLUGHA001WJZZY	J	Lug	AD
P3702	QCNW-A453WJZZ	J	Connecting Cord, 5-pin	AD
P3703	QPLGN0378GEZZ	J	Plug, 3pin	AB
P3705	QLUGHA001WJZZY	J	Lug	AD
SC3403	QSOCN0464FJZZY	J	Socket, 50-pin	AH
SC3405	QSOCN0456CEZZ	J	S-VIDEO(AV-IN1)	AE

Ref. No.	Part No.	★	Description	Code
DUNTKB618DE01(LC-13C3U-S) DUNTKB618DE02(LC-15C3U-S) CONTROL UNIT				
DIODES				
D4008	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D4009	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4010	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
RESISTORS				
R4005	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R4006	VRS-CY1JF822JY	J	8.2k 1/16W Metal Oxide	AA
R4011	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R4012	VRS-CY1JF822JY	J	8.2k 1/16W Metal Oxide	AA
SWITCHES				
S4701	QSW-P0035GEZZ	J	MAIN POWER	AF
SW4002	QSW-K0108CEZZY	J	CH(✓)	AD
SW4003	QSW-K0108CEZZY	J	CH(∧)	AD
SW4004	QSW-K0108CEZZY	J	MENU	AD
SW4006	QSW-K0108CEZZY	J	TV/VIDEO	AD
SW4007	QSW-K0108CEZZY	J	VOL(+)	AD
SW4008	QSW-K0108CEZZY	J	VOL(-)	AD
MISCELLANEOUS PARTS				
P4004	QPLGN0564TAZZY	J	Plug, 5-pin	AC

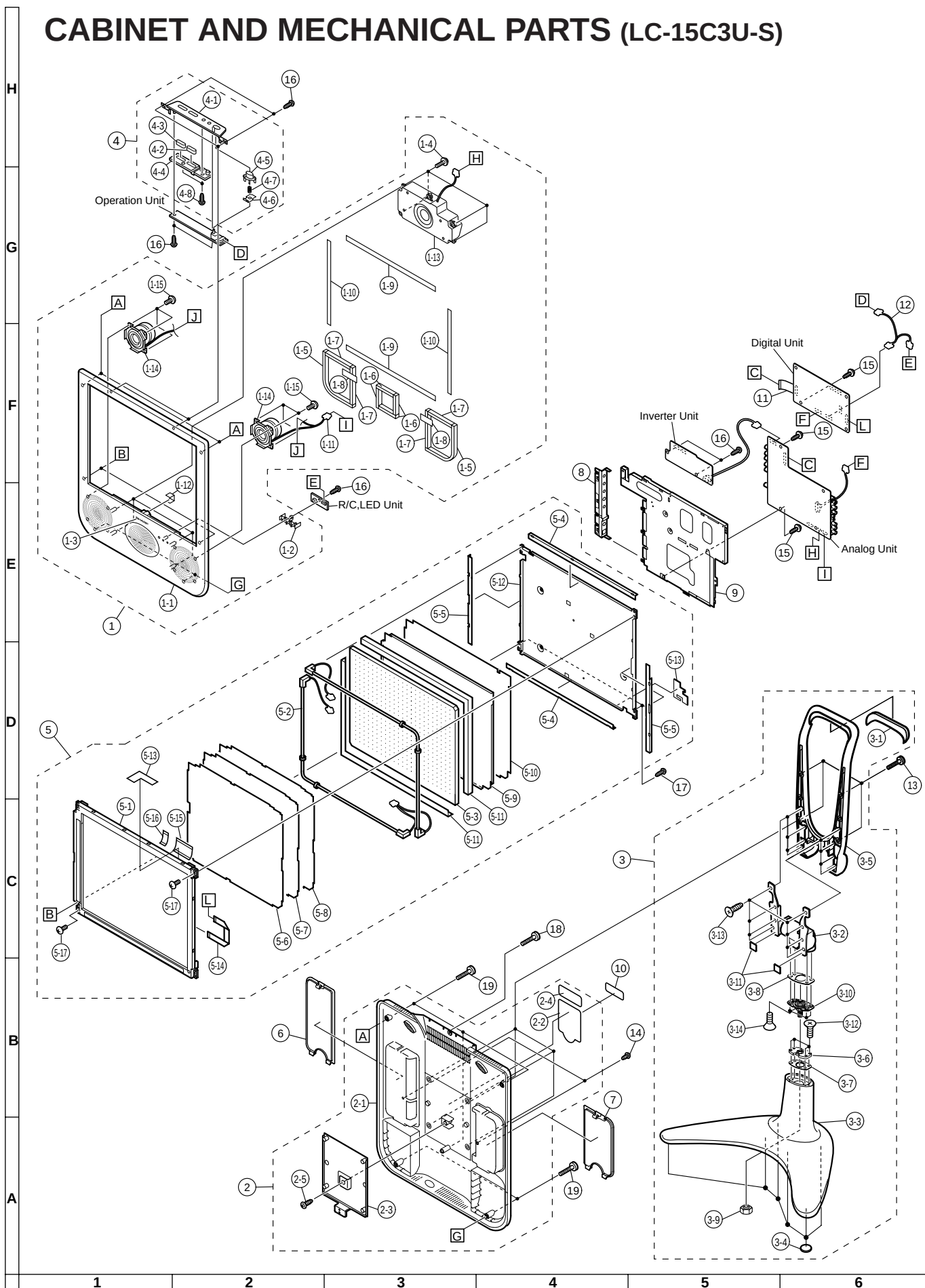
Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB619DE01(LC-13C3U-S)					DUNTKB620DE01(LC-13C3U-S)				
DUNTKB619DE02(LC-15C3U-S)					DUNTKB620DE02(LC-15C3U-S)				
R/C, LED UNIT					INVERTER UNIT				
TRANSISTORS					TRANSISTORS				
Q4003	VSDTC144EE/-1Y	J	DTC144EE	AA	Q6500	VSFZT1053A/-1Y	J	FZT1053A	AG
Q4004	VSDTC144EE/-1Y	J	DTC144EE	AA	Q6501	VSFZT1053A/-1Y	J	FZT1053A	AG
Q4007	VSUMG4N++++-1Y	J	UMG4N++++	AB	Q6502	VS2SA1530AR-1Y	J	2SA1530AR	AB
DIODES					Q6503	VSFZT1053A/-1Y	J	FZT1053A	AG
D4012	RH-EX1271CEZZY	J	Zener Diode, 12V	AB	Q6504	VSFZT1053A/-1Y	J	FZT1053A	AG
D4013	RH-EX1271CEZZY	J	Zener Diode, 12V	AB	Q6505	VS2SA1530AR-1Y	J	2SA1530AR	AB
D4014	RH-PX0421CEZZY	J	POWER Indicator	AD	DIODES				
D4015	RH-PX0421CEZZY	J	TIMER Indicator	AD	D4008	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D4022	RH-EX1271CEZZY	J	Zener Diode, 12V	AB	D4009	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
CAPACITOR					D4010	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
C4018	RC-KZ1025CEZZY	J	1 10V Ceramic	AB	DIODES				
RESISTORS					D6500	VHDDAN222//1Y	J	Diode	AA
R4021	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	COILS				
R4023	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA	L6501	RCiLPA034WJZZ	J	Coil	AD
R4024	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA	L6503	RCiLPA034WJZZ	J	Coil	AD
R4029	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA	TRANSFORMERS				
R4030	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA	△ T6500	RTRNZ0805CEZZQ	J	Transformer	AM
MISCELLANEOUS PARTS					△ T6501	RTRNZ0805CEZZQ	J	Transformer	AM
P4005	QPLGN0664TAZZY	J	Plug, 6-pin	AD	△ T6502	RTRNZ0805CEZZQ	J	Transformer	AM
RMC4002	RRMCU0239CEZZ	J	R/C Receiver	AG	△ T6503	RTRNZ0805CEZZQ	J	Transformer	AM
					CAPACITORS				
					C6502	VCKYCY1CB473KY	J	0.047 16V Ceramic	AA
					C6503	VCKYCY1CB473KY	J	0.047 16V Ceramic	AA
					C6504	VCEA4A1CN108M	J	1000 16V Electrolytic	AD
					C6507	VCKYCY1CB473KY	J	0.047 16V Ceramic	AA
					C6508	VCKYCY1CB473KY	J	0.047 16V Ceramic	AA
					C6509	VCEA4A1CN108M	J	1000 16V Electrolytic	AD
					C6510	RC-FZA034WJZZ	J	0.15 250V Film	AE
					C6511	RC-FZA034WJZZ	J	0.15 250V Film	AE
					RESISTORS				
					R6500	VRS-TW2ED332JY	J	3.3k 1/4W Metal Oxide	AB
					R6501	VRS-TW2ED332JY	J	3.3k 1/4W Metal Oxide	AB
					R6502	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
					R6503	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
					R6504	VRS-TW2ED332JY	J	3.3k 1/4W Metal Oxide	AB
					R6505	VRS-TW2ED332JY	J	3.3k 1/4W Metal Oxide	AB
					R6506	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
					R6507	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
					MISCELLANEOUS PARTS				
					△ F6500	QFS-B1621GEZZ	J	Fuse, 1.6A/125V	AD
					△ F6501	QFS-B1621GEZZ	J	Fuse, 1.6A/125V	AD
					FH6500	QFSDH1002CEZZ	J	Fuse Holder	AA
					FH6501	QFSDH1002CEZZ	J	Fuse Holder	AA
					FH6502	QFSDH1002CEZZ	J	Fuse Holder	AA
					FH6503	QFSDH1002CEZZ	J	Fuse Holder	AA
					P6500	QPLGN0155FJZZY	J	Plug, 3-pin	AE
					P6501	QPLGN0155FJZZY	J	Plug, 3-pin	AE
					P6502	QCNW-6071CEZZ	J	Connecting Cord, 3-pin	AD
					P6503	QLUGHA002WJZZ	J	Lug	AB

CABINET AND MECHANICAL PARTS (LC-13C3U-S)



Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CABINET AND MECHANICAL PARTS									
MODEL : LC-13C3U-S									
1	CCABAA183WJ01	J	Cabinet A Ass'y	BM	6	GCOVAA020WJKA	J	Terminal Cover(L)	AL
1-1	<i>Not Available</i>	—	Cabinet A	—	7	GCOVAA023WJKA	J	Terminal Cover(S)	AL
1-2	GCOVAA026WJZZ	J	R/C, LED Cover	AF	8	GCOVAA256WJKA	J	Chassis Frame Cover	AK
1-3	<i>Not Available</i>	—	Badge, "SHARP"	—	9	GCOVAA257WJKA	J	Chassis Frame	AN
1-4	LX-HZA004WJFD	J	Screw, x3	AB	10	<i>Not Available</i>	—	Serial No. Label	—
1-5	PSPAGA007WJZZ	J	Spacer, x2	AB	11	QCNW-A452WJZZ	J	Connecting Cord	AD
1-6	PSPAGA010WJZZ	J	Spacer, x2	AB	12	QCNW-A633WJZZ	J	Connecting Cord	AG
1-7	PSPAGA012WJZZ	J	Spacer, x4	AB	13	LX-BZ3442CEFF	J	Screw, x4	AB
1-8	PSPAGA013WJZZ	J	Spacer, x2	AB	14	XBBSF30P05000	J	Screw, x2	AB
1-9	PSPAGA016WJZZ	J	Spacer, x2	AB	15	XBPSD30P10JS0	J	Screw, x3	AA
1-10	PSPAH0678CEZZ	J	Spacer, x3	AA	16	XEBSD30P08000	J	Screw, x7	AA
1-11	PSPAHA061WJZZ	J	Spacer, x2	AC	17	XEBSD30P12000	J	Screw, x2	AA
1-12	PSPAHA062WJZZ	J	Spacer, x2	AC	18	XEBSF30P14000	J	Screw, x1	AA
1-13	QCNW-A634WJZZ	J	Connecting Cord(SP)	AE	19	XEBSF30P20000	J	Screw, x5	AB
1-14	QEARZA015WJZZ	J	Grounding Part	AC					
1-15	RSP-ZA016WJZZ	J	Woofers Speaker	AX					
1-16	VSP0050PBP98S	J	Speaker, x2	AR					
1-17	XETSD40P08000	J	Screw, x8	AB					
2	CCABBA121WJ01	J	Cabinet B Ass'y	BA					
2-1	<i>Not Available</i>	—	Cabinet B	—					
2-2	HINDPA244WJSA	J	Model Label	AG					
2-3	LANGTA004WJFW	J	Reinforcement Angle	AM					
2-4	TCAUHA044WJSA	J	Caution Label	AE					
2-5	XEBSD30P08000	J	Screw, x1	AA					
2-6	PMLT-A025WJZZ	J	Spacer, x2	AC					
2-7	PSPAH1002CEZZ	J	Spacer, x2	AB					
3	CDAi-A012WJ01	J	Stand Assy	BM					
3-1	GCOVA1945CESA	J	Stand Grip	AK					
3-2	<i>Not Available</i>	—	Stand, Joint	—					
3-3	GDAi-A012WJSA	J	Stand, Base	AW					
3-4	GLEGG9093CEZZ	J	Leg Cushion, x6	AC					
3-5	JHNDP0103CESA	J	Carrying Handle	AX					
3-6	LANGG1196CEFW	J	Swivel Base	AF					
3-7	LANGG1198CEFW	J	Fixing Metal, Spacer-A	AE					
3-8	LANGG1199CEFW	J	Fixing Metal, Spacer-B	AD					
3-9	LX-NZ3185CEFE	J	Nut, x1	AC					
3-10	MHNG-3051CEFW	J	Swivel Hinge	AV					
3-11	PSPAZ0415CEZZ	J	Spacer, x2	AB					
3-12	XESSE40P14000	J	Screw, x4	AA					
3-13	XESSN40P10000	J	Screw, x8	AB					
3-14	XUSSD40P20000	J	Screw, x4	AB					
4	CCOVAA255WJ01	J	Top Cover Ass'y	AQ					
4-1	<i>Not Available</i>	—	Top Cover	—					
4-2	GCOVA1943CEKA	J	Button Cover(VOL)	AD					
4-3	GCOVA1943CEKB	J	Button Cover(CH)	AD					
4-4	JBTN-2076CEKA	J	Operation Button	AE					
4-5	JBTN-A012WJKA	J	Power Button	AE					
4-6	LHLDZA027WJKZ	J	Power Button Holder	AE					
4-7	MSPRCA014WJFW	J	Power Button Spring	AB					
4-8	XEBSD30P08000	J	Screw, x2	AA					
5	<i>Not Available</i>	—	13" LCD Panel Unit Ass'y	—					
5-1	RLCDA012WJZZ	J	13" LCD Panel Unit	CV					
△ 5-2	KLMP-A011WJZZ	J	Lamp Unit	BD					
5-3	PGIDM0069CEZZ	J	Light Guide Panel	AZ					
5-4	PMiR-0292CEZZ	J	Reflection Mirror(L), x2	AG					
5-5	PMiR-0293CEZZ	J	Reflection Mirror(S), x2	AF					
5-6	PSHEP0276CEZZ	J	Reflection/Deflection Sheet	BB					
5-7	PSHEP0277CEZZ	J	Prism Sheet	AV					
5-8	PSHEP0278CEZZ	J	Diffusion Sheet	AL					
5-9	PSHEP0279CEZZ	J	Reflection Sheet-1	AG					
5-10	PSHEP0280CEZZ	J	Reflection Sheet-2	AG					
5-11	PSHEP0306CEZZ	J	Reflection Sheet(Cover), x2	AC					
5-12	PSLDM005WJFW	J	Back Shield	AQ					
5-13	PCOVZA009WJZZ	J	Insulating Cover	AC					
5-14	QCNW-A630WJZZ	J	Connecting Cord	AC					
5-15	QCNW-A631WJZZ	J	Connecting Cord	AC					
5-16	QCNW-A632WJZZ	J	Connecting Cord	AD					
5-17	XBBSD30P05000	J	Screw, x2	AA					

CABINET AND MECHANICAL PARTS (LC-15C3U-S)



Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CABINET AND MECHANICAL PARTS									
MODEL : LC-15C3U-S									
1	CCABAA184WJ01	J	Cabinet A Ass'y	BL	8	GCOVAA256WJKA	J	Chassis Frame Cover	AK
1-1	<i>Not Available</i>	—	Cabinet A	—	9	GCOVAA261WJKA	J	Chassis Frame	AP
1-2	GCOVAA026WJZZ	J	R/C, LED Cover	AF	10	<i>Not Available</i>	—	Serial No. Label	—
1-3	<i>Not Available</i>	—	Badge, "SHARP"	—	11	QCNW-A452WJZZ	J	Connecting Cord	AD
1-4	LX-HZA004WJFD	J	Screw, x4	AB	12	QCNW-A454WJZZ	J	Connecting Cord	AG
1-5	PSPAGA009WJZZ	J	Spacer, x2	AC	13	LX-BZ3442CEFF	J	Screw, x4	AB
1-6	PSPAGA012WJZZ	J	Spacer, x4	AB	14	XBBSF30P05000	J	Screw, x2	AB
1-7	PSPAGA042WJZZ	J	Spacer, x4	AB	15	XBPSD30P10JS0	J	Screw, x3	AA
1-8	PSPAHA0678CEZZ	J	Spacer, x2	AA	16	XEBSD30P08000	J	Screw, x7	AA
1-9	PSPAHA050WJZZ	J	Spacer, x2	AC	17	XEBSD30P12000	J	Screw, x2	AA
1-10	PSPAHA051WJZZ	J	Spacer, x2	AC	18	XEBSF30P14000	J	Screw, x1	AA
1-11	QCNW-A456WJZZ	J	Connecting Cord(SP)	AE	19	XEBSF30P20000	J	Screw, x5	AB
1-12	QEARZ0047CEZZ	J	Grounding Part	AC					
1-13	RSP-ZA015WJZZ	J	Woofer Speaker	AZ					
1-14	VSP0050PBP98S	J	Speaker, x2	AR					
1-15	XETSD40P06000	J	Screw, x8	AA					
2	CCABBA122WJ01	J	Cabinet B Ass'y	BA					
2-1	<i>Not Available</i>	—	Cabinet B	—					
2-2	HINDPA246WJSA	J	Model Label	AG					
2-3	LANGTA003WJFW	J	Reinforcement Angle	AM					
2-4	TCAUHA044WJSA	J	Caution Label	AE					
2-5	XEBSD30P08000	J	Screw, x1	AA					
3	CDAi-A011WJ01	J	Stand Ass'y	BM					
3-1	GCOVA1945CESA	J	Stand Grip	AK					
3-2	<i>Not Available</i>	—	Stand, Joint	—					
3-3	GDai-A011WJSA	J	Stand, Base	AX					
3-4	GLEGG9093CEZZ	J	Leg Cushion, x6	AC					
3-5	JHNDP0103CESA	J	Carrying Handle	AX					
3-6	LANGG1196CEFW	J	Swivel Base	AF					
3-7	LANGG1198CEFW	J	Fixing Metal, Spacer-A	AE					
3-8	LANGG1199CEFW	J	Fixing Metal, Spacer-B	AD					
3-9	LX-NZ3185CEFE	J	Nut, x1	AC					
3-10	MHNG-3051CEFW	J	Swivel Hinge	AV					
3-11	PSPAZ0415CEZZ	J	Spacer, x2	AB					
3-12	XESSE40P14000	J	Screw, x4	AA					
3-13	XESSN40P10000	J	Screw, x8	AB					
3-14	XUSSD40P20000	J	Screw, x4	AB					
4	CCOVAA255WJ01	J	Top Cover Ass'y	AQ					
4-1	<i>Not Available</i>	—	Top Cover	—					
4-2	GCOVA1943CEKA	J	Button Cover(VOL.)	AD					
4-3	GCOVA1943CEKB	J	Button Cover(CH)	AD					
4-4	JBTN-2076CEKA	J	Operation Cover	AE					
4-5	JBTN-A012WJKA	J	Power Button	AE					
4-6	LHLDZA027WJKZ	J	Power Button Holder	AE					
4-7	MSPRCA014WJFW	J	Power Button Spring	AB					
4-8	XEBSD30P08000	J	Screw, x2	AA					
5	<i>Not Available</i>	—	15" LCD Panel Unit Ass'y	—					
5-1	RLCDA013WJZZ	J	15" LCD Panel Unit	DB					
△ 5-2	KLMP-0122CEZZ	J	Lamp Unit	BD					
5-3	PGIDM0070CEZZ	J	Light Guide Plate	BA					
5-4	PMiR-0294CEZZ	J	Reflection Mirror(L), x2	AG					
5-5	PMiR-0295CEZZ	J	Reflection Mirror(S), x2	AF					
5-6	PSHEP0281CEZZ	J	Reflection/Deflection Sheet	BE					
5-7	PSHEP0282CEZZ	J	Prism Sheet	AY					
5-8	PSHEP0283CEZZ	J	Diffusion Sheet	AL					
5-9	PSHEP0284CEZZ	J	Reflection Sheet-1	AG					
5-10	PSHEP0285CEZZ	J	Reflection Sheet-2	AG					
5-11	PSHEP0307CEZZ	J	Reflection Sheet(Cover), x2	AC					
5-12	PSLDM004WJFW	J	Back Shield	AR					
5-13	PSPAKA005WJZZ	J	Spacer, x1	AD					
5-14	QCNW-6064CEZZ	J	Connecting Cord	AD					
5-15	QCNW-6065CEZZ	J	Connecting Cord	AC					
5-16	QCNW-A451WJZZ	J	Connecting Cord	AD					
5-17	XBBSD30P05000	J	Screw, x2	AA					
6	GCOVAA019WJKA	J	Terminal Cover(L)	AK					
7	GCOVAA022WJKA	J	Terminal Cover(S)	AK					

Ref. No.	Part No.	★	Description	Code
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PACKING PARTS

(NOT REPLACEMENT ITEM)

SPAKCA376WJZZ	—	Packing Case(LC-13C3US)	—
SPAKCA373WJZZ	—	Packing Case(LC-15C3US)	—
SPAKPA104WJZZ	—	Wrapping Paper(LC-13C3US)	—
SPAKPA102WJZZ	—	Wrapping Paper(LC-15C3US)	—
SPAKXA022WJZZ	—	Buffer Material(LC-13C3US)	—
SPAKXA021WJZZ	—	Buffer Material(LC-15C3US)	—
SSAKA0160CEZZ	—	Polyethylene Bag	—
TLABK0001TAZZ	—	No. Label	—

Ref. No.	Part No.	★	Description	Code
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SERVICE JIGS

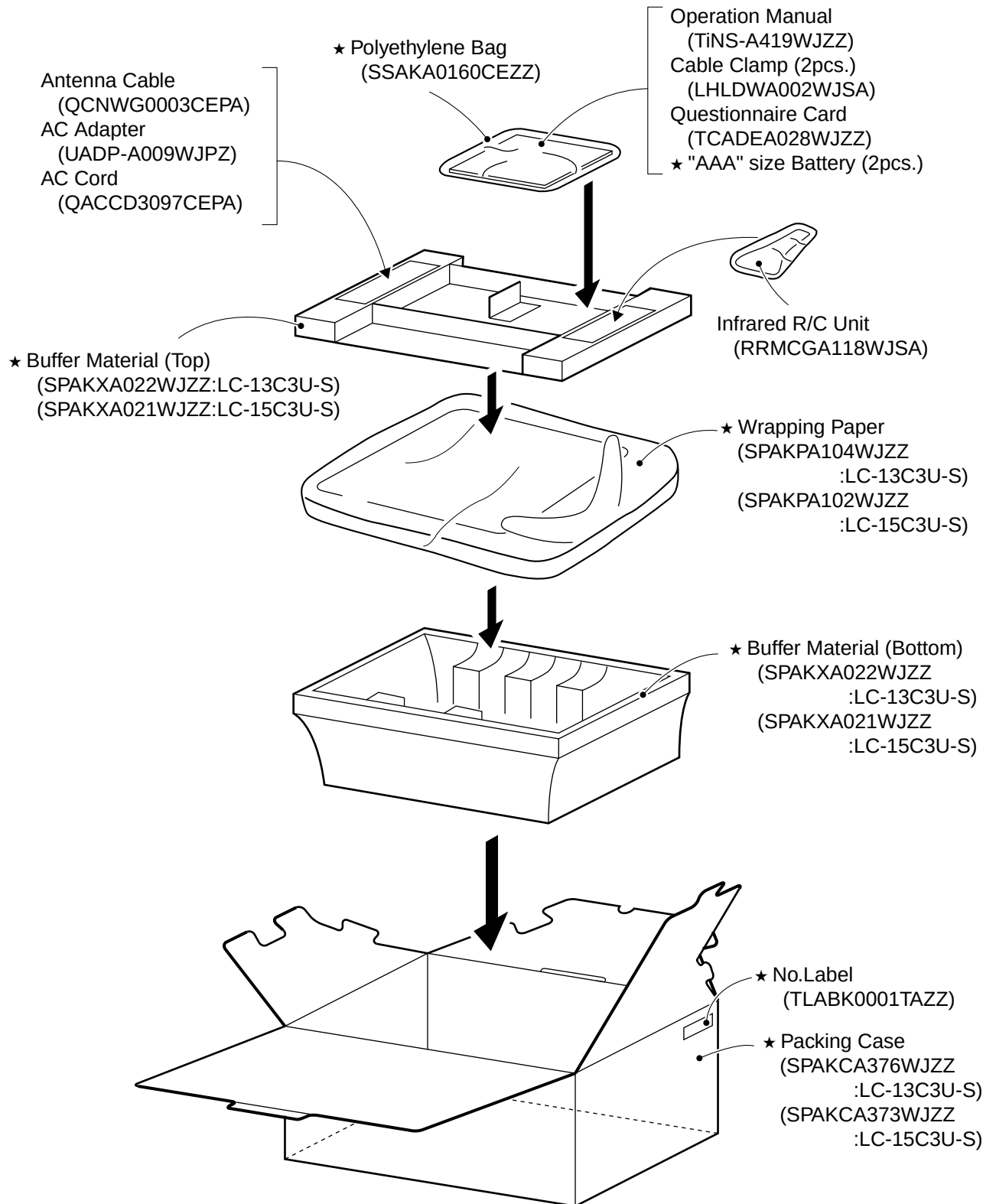
(USE FOR SEVICING)

QCNW-A552WJZZ	J	Extention Cable, 5-pin (P2004-P3702)	AG
QCNW-A553WJZZ	J	Extention Cable, 30-pin (SC1203-LCD)	BA
QCNW-A555WJZZ	J	Extention Cable, 20-pin (SC1201-LCD)	AU
QCNW-A556WJZZ	J	Extention Cable, 50-pin, x2 (SC2001-SC3403) (SC1202-LCD)	AU

SUPPLIED ACCESSORIES

△	LHLDWA002WJSA	J	Cable Clamp, x2	AD
	QACCD3097CEPA	J	AC Cord	AQ
	QCNWG0003CEPA	J	Antenna Cable	AM
	RRMCGA118WJSA	J	Infrared R/C Unit	AS
	TCADAE028WJZZ	J	Questionnaire Card	AE
	TiNS-A419WJZZ	J	Operation Manual	AW
△	UADP-A009WJPZ	J	AC Adapter	BG

PACKING OF THE SET



★ Not Replacement Item

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