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AGENDA ELETRONICA; CALCULADORA; ARCADE; ÁUDIO (DOMESTICO/AUTOMOTIVO); BINA; CHAVEADOR DE VIDEO; CAIXA REGISTRADORA E IMPRESSORA; CIRCUITO FECHADO; DVD; ELETRODOMÉSTICOS; FAX; FERRAMENTAS; FILMADORA; FONTES; FAIXA DO CIDADÃO (PX); GAMES; GMS; HANDY TERMINAL; IMPRESSORAS; LOCOMOTIVAS; LUZ DE EMERGENCIA; MAQ.FOTOGRAFICA DIGITAL; MICRO ONDAS; MOBILE COMMUNICATOR; MONITORES; MULTI-PROJETOR; MULTITESTES; NOBREAK´S; NOTEBOOK; OSCILOSCOPIO; PERSONAL COMPUTER/PALM; PROJETOR; RADIO RELOGIO; RECEPTOR DE SATELITE; SECRETARIA ELETRONICA; TECLADO / ORGÃO; TELEFONE; TRANSMISSOR; TV; VCR

CONTATO: MARCOS@ESQUEMASELETRICOS.COM.BR

JVC

SERVICE MANUAL

REAR PROJECTION TELEVISION

AV-48P575/H,
AV-56P575/H,
AV-56P585/H

BASIC CHASSIS
RP

[AV-56P575]

I'Art PRO

D.I.S.T. Digital Image Scaling Technology

HIGH DEFINITION TELEVISION HDTV MONITOR

BBE

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

TABLE OF CONTENTS

No.YA091
2004/4

SPECIFICATION

Items		Contents	
		AV-48P575	AV-56P575 / AV-56P585
Dimensions (W × H × D)		120.0cm × 118.9cm × 62.2cm (47-1/4" × 46-7/8" × 24-1/2")	136.8cm × 129.6cm × 66.7cm (53-7/8" × 51-1/8" × 26-3/8")
Mass		72 kg (159 lbs)	80 kg (176 lbs)
TV RF System		CCIR (M)	
Color System		NTSC	
Sound System		BTSC system (Multi Channel Sound)	
Teletext System		Closed caption (T1-T4 / C1-C4)	
Receiving Channels and Frequency	VHF Low VHF High UHF	02ch~06ch : 54MHz~88MHz 07ch~13ch : 174MHz~216MHz 14ch~69ch : 470MHz~806MHz	
CATV Receiving Channels and Frequency	CATV	54MHz~804MHz Low Band : 02~06 High Band : 07~13 Mid Band : A~I by 14~22 Super Band : J~W by 23~36 Hyper Band : W+1~W+28 by 37~64 Ultra Band : W+29~W+58, W+59~W+84 by 65~94, 100~125 Sub Mid Band : A-8, A-4~A-1 by 01, 96~99	
TV / CATV Total Channel		180 Channels	
Intermediate Frequency	Video IF Sound IF	45.75MHz 41.25MHz (4.5MHz)	
Color Sub Carrier		3.58MHz	
Power Input		AC 120V, 60Hz	
Power Consumption		248W (Max)	
Screen		Transparent screen (unitized fresnel lens / double lenticular lens)	
Screen Size		48" (122cm) Measured diagonally 16:9 ratio (W:106.3 cm, H:59.8 cm)	56" (142cm) Measured diagonally, 16:9 ratio (W:124 cm, H:69.8 cm)
Projection Tube		17cm (6.7") tube × 3 (R/G/B)	
High Voltage		31kV+1.0kV/-1.3kV (at zero beam current)	
Speaker		13cm round type × 2	
Audio Power Output		10W+10W	
Antenna Terminal		75Ω unbalanced, F-type connector × 1	
External Input (1/2/3/4)	Component Video [INPUT-1/2] 720p/1080i 480i/480p S-Video [INPUT-1/3/4] Video Audio	RCA pin jack × 6 Y : 1V (p-p) (Sync signal: ±0.35V, 3-value sync.), 75Ω Pb/Pr : ±0.35V, 75Ω Y : 1V (p-p) Positive (Negative sync provided), 75Ω Pb/Pr : 0.7V, 75Ω Mini-DIN 4pin × 3 Y: 1V (p-p) positive (Negative sync provided), 75Ω C: 0.286V(p-p) (burst signal) 1V (p-p) positive (Negative sync provided), 75Ω (RCA pin jack × 4) 500mV(rms) (-4dBs), high impedance (RCA pin jack × 9)	
Digital Input	Video Audio	HDMI connector (Digital-input terminal is not compatible with computer signal) Digital : HDMI connector Analog : 500mV(rms) (-4dBs), high impedance (RCA pin jack × 2)	
Audio Output (FIX)		500mV(rms) (-4dBs), low impedance (1kHz when modulated 100%) (RCA pin jack × 2)	
AV Compulink III		3.5mm mini jack × 1	
Remote Control Unit		RM-C1257G (AA/R6/UM-3 battery × 2)	

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Use isolation transformer when hot chassis.**
The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

(5) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(6) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).

(7) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

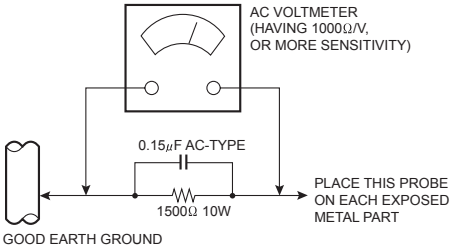
(9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(10) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

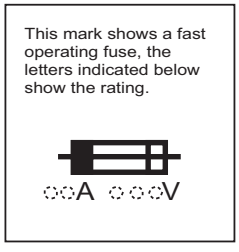
a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

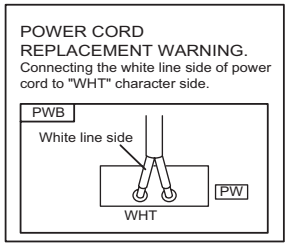
b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



(11) **High voltage hold down circuit check.**
After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.See item **"How to check the high voltage hold down circuit"**.





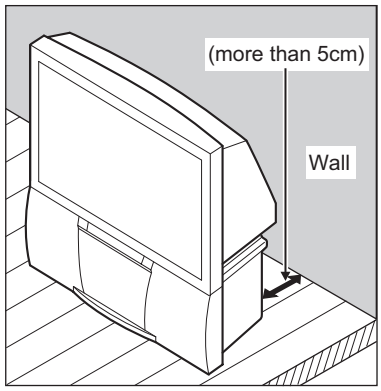
1.2 INSTALLATION

1.2.1 INSTALLATION SITE

(1) The rear of this set is provided with ventilation openings. Install the set more than 5 cm from a wall and in a location with good ventilation.

(2) Avoid the following types of locations.

a) Unstable locations (location must be able to withstand heavy weight).
b) Locations subjected to direct sunlight.
c) Near stoves or other heating devices.
d) Locations subjected to humidity or oily smoke.
e) Dusty locations.
f) Locations with strong vibration.



VENTILATION OPENING

1.2.2 INSTALLATION ADJUSTMENT

When installing, moving or changing the orientation of the set, perform static convergence adjustment according to the following procedure.

Adjusting CRT color convergence have two method, AUTO, MANUAL and RESET. It adjust on the MENU screen.

NOTE :

Please have you TV on for at least 20 minutes before sing this feature.

This adjustment will be needed only when the colors of the characters/lines are separated and lack in distinction. If not, please don't perform the adjustment.

AUTO

(1) Press the [MENU] key, and select the "CONVERGENCE" in the INITIAL SETUP menu with [function up/down] key.
(2) Press the [function left/right] key, then CONVERGENCE menu appear.
(3) Press the [function up/down] key, and select the "AUTO".
(4) Press the [function left/right] key.
(5) The convergence adjustment will start. It will take about 25 seconds.

MANUAL

(1) Press the [MENU] key, and select the "CONVERGENCE" in the INITIAL SETUP menu with [function up/down] key.
(2) Press the [function left/right] key, the CONVERGENCE menu appears.
(3) Press the [function up/down] key, and select the "MANUAL".
(4) Press the [function left/right] key, then CONVERGENCE adjustment screen appear. [Fig.1]
- If all the crosses are white, no convergence adjustment is needed.

(5) Select the location you want to adjust by using the [number (2/4/5/6/8)] keys on the remote control unit. [Fig.2]
(6) Press the [SELECT] key to change the color of the box to the color of the cross you want to adjust (red or blue).
- You cannot adjust the green cross.

(7) Use the [function up/down] key and the [function left/right] keys to adjust the position of the cross.
(8) Adjust the three colors crosses until they overlap and appear as a single white cross.
(9) Press the [OK] key.

NOTE :

- When you adjust the convergence, make sure you start with the center position (position 5), and work your way around radial for best results.
- When you make the adjustment in the center (positions 5), you are making the adjustment for the whale screen. In other positions, you are making the adjustment only in that area.
- You can reset the adjustment if you do not like the results, See below.
- If you perform AUTO CONVERGENCE after performing MANUAL CONVERGENCE, your manual convergence you performed will be cancelled.

(10) Press the [menu] key to end the convergence adjustment procedure.

RESET

RESET in the CONVERGENCE menu resets all convergence adjustments to the factory default setting.

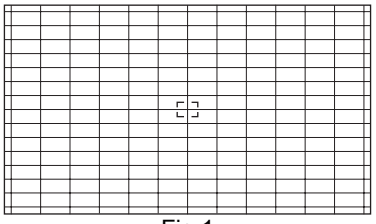


Fig.1

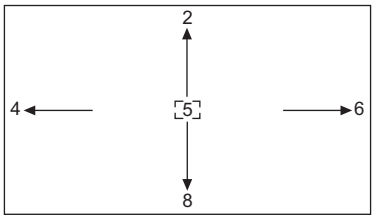


Fig.2

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

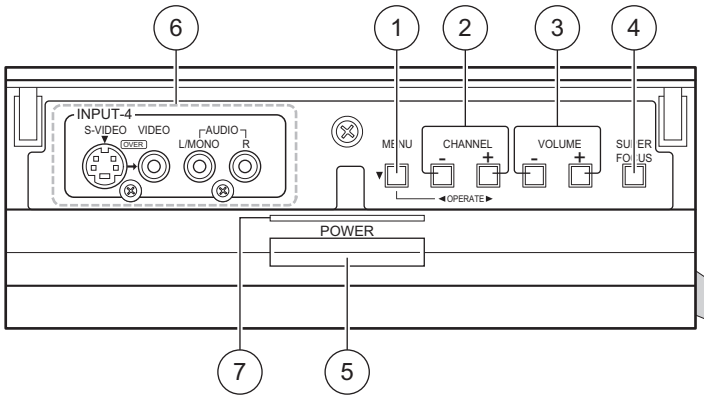
- Rear Projection HDTV.
- New chassis design enable use of an interactive on screen control.
- 3-2 PULL DOWN : You can enjoy DVD movies at the highest picture quality.
- MOTION COMPENSATION : With this function, the seamless reproduction of dynamic motion on the screen has been realized.
- Bullet-in DSD (Digital Super Detail) circuit and 3 dimension Y/C separate circuit.
- Receive DTV broadcast (1080i / 720p / 480p / 480i)
- Built-in HDMI / Component (Y / Pb / Pr) input.
- Built-in A.H.S., BBE circuit.
- Smart Sound and Smart Caption are available (AV-56P585 only).

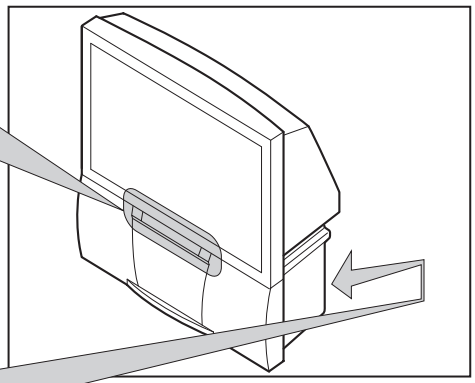
2.2 DIFFERENCE LIST

Item	AV-48P575	AV-56P575	AV-56P585
Smart Sound	---	---	available
Smart Caption	---	---	available

2.3 FUNCTIONS

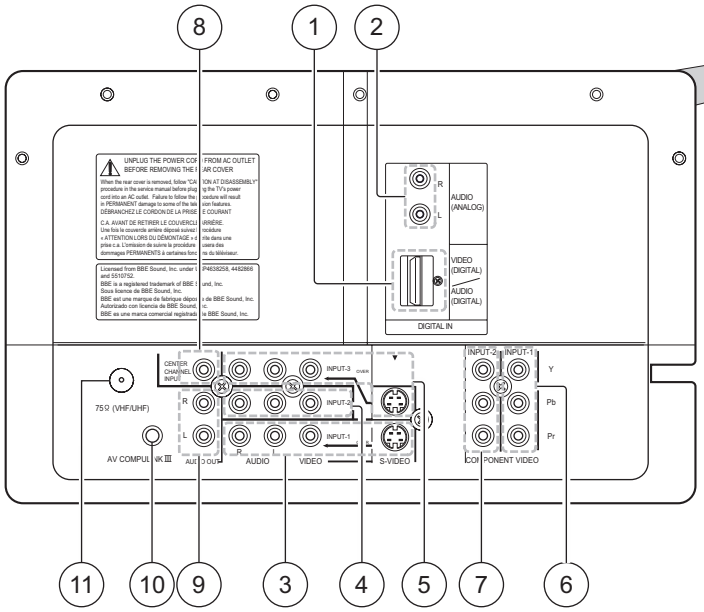
FRONT CONTROL KEY & TERMINAL





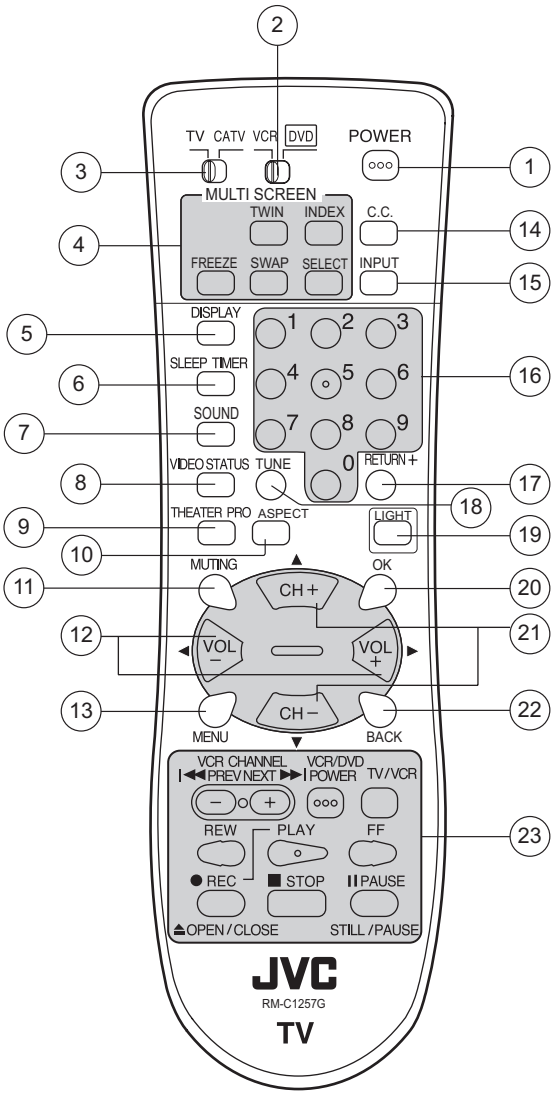
① MENU (OPERATE ▼) button
② CHANNEL -/+ (OPERATE ◀ / ▶) buttons
③ VOLUME -/+ buttons
④ SUPER FOCUS button
⑤ POWER button
⑥ INPUT-4 terminal (S-VIDEO / VIDEO / AUDIO)
⑦ POWER LED (blue)

REAR TERMINAL



① DIGITAL IN terminal (HDMI connector : VIDEO / AUDIO)
② AUDIO INPUT (For DIGITAL IN) terminal
③ INPUT-1 terminal (S-VIDEO / VIDEO / AUDIO)
④ INPUT-2 terminal (VIDEO / AUDIO)
⑤ INPUT-3 terminal (S-VIDEO / VIDEO / AUDIO)
⑥ INPUT-1 COMPONENT VIDEO terminal (Y / Pb / Pr)
⑦ INPUT-2 COMPONENT VIDEO terminal (Y / Pb / Pr)
⑧ CENTER CHANNEL INPUT terminal
⑨ AUDIO OUT terminal
⑩ AV COMPULINK Ⅲ
⑪ Antenna Terminal (VHF/UHF)

REMOTE CONTROL UNIT [RM-C1257G]



1	POWER key
2	VCR / DVD switch
3	TV / CATV switch
4	MULTI SCREEN operation keys
5	DISPLAY key
6	SLEEP TIMER key
7	SOUND key
8	VIDEO STATUS key
9	THEATER PRO key
10	ASPECT key
11	MUTING key (memory key)
12	VOL+/- (◀ / ▶) keys
13	MENU key
14	C.C.(Closed Caption) key
15	INPUT key
16	Number (1~0) keys
17	RETURN+ key
18	TUNE key
19	LIGHT key
20	OK key
21	CH+/- (▲ / ▼) keys
22	BACK key
23	VCR / DVD operation keys

2.4 TECHNICAL INFORMATION

2.4.1 MAIN MICRO COMPUTER (CPU) FUNCTION (MN102H75K)

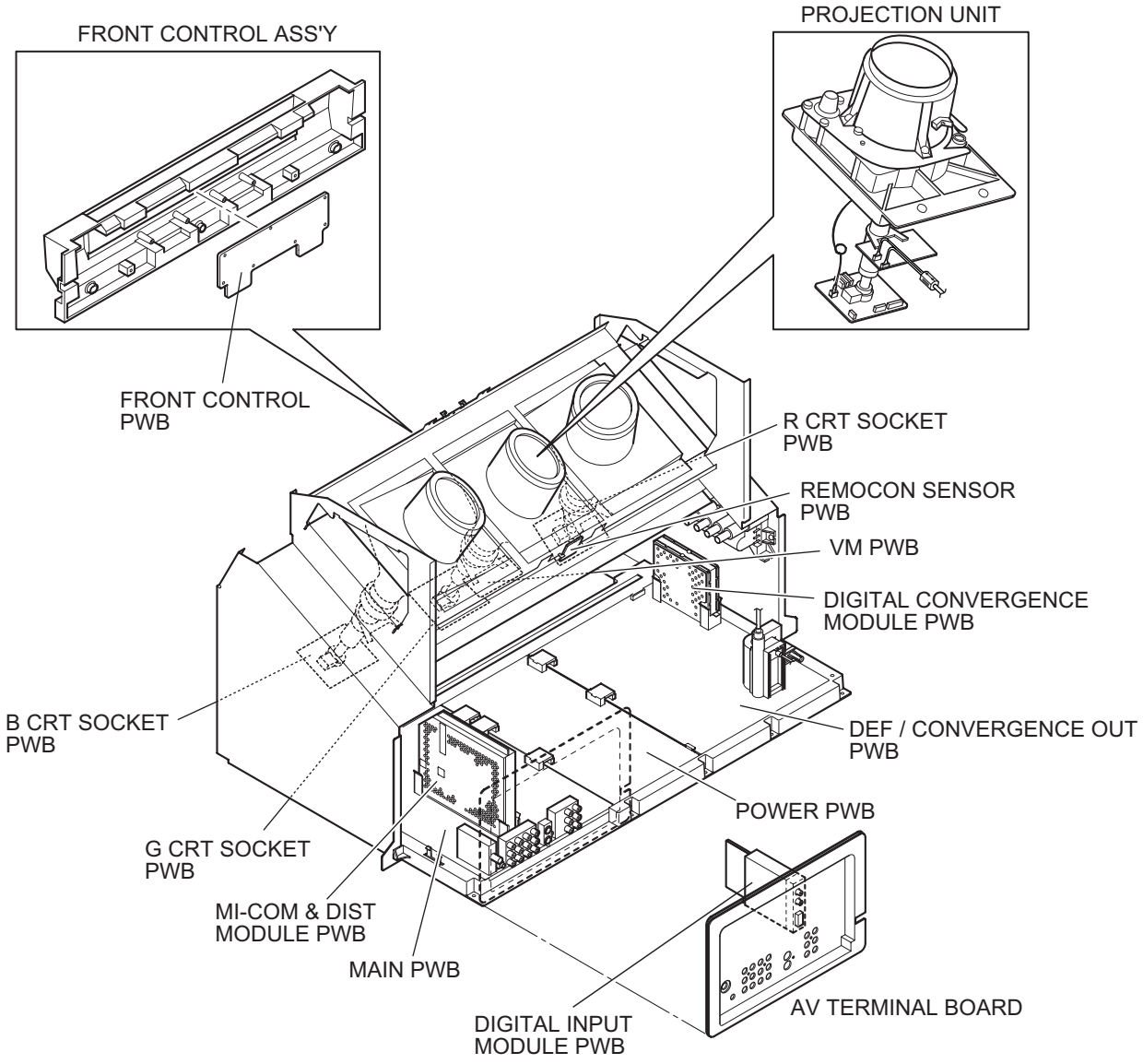
Pin No.	Pin name	I/O	Function
1	NC	O	--------
2	/MICON_V	I	V.sync for OSD
3	LB_PRO	I	Low B protection detection [Protection:H]
4	NC	-	--------
5	/RST	I	Main CPU reset [Reset:L]
6	NC	O	--------
7	/TEST	I	+3.3V
8	OSD_YS	O	OSD Ys (blanking)
9	SDA4	I/O	I^2C bus (data) for JCC5055
10	NC	O	--------
11	A_MU	O	Audio muting [Muting:H]
12	/MICON_H	I	H sync for OSD
13	NC	O	--------
14	P46,OSDXI	I	Oscillation for OSD
15	P45,OSDXO	O	Oscillation for OSD
16	SDA2	I/O	I^2C bus (data) for MTS
17	AC-IN	I	AC for timer count
18	SCL2	O	I^2C bus (clock) for MTS
19	NC	O	--------
20	VCOI	I	LPF
21	PDO	O	LPF
22	/IP_RESET	O	Reset for DIST [Reset:L]
23	OSD_YM	O	OSD Ym (transparence)
24	OSD_B	O	OSD blue
25	POWER_LED	O	Lighting for POWER LED [HIGH / ON:H]
26	OSD_G	O	OSD green
27	OSD_R	O	OSD red
28	VREF	I	Reference voltage for OSD
29	IP_ERR	I	DIST program load detect.
30	IREF	I	Reference current for OSD
31	COMP	I	Phase adjust for OSD
32	AVDD	I	+3.3V
33	CLL	I	Clamp low level
34	VREFLS	I	Reference voltage for SUB CCD
35	SUB_CCD	I	Video for sub closed caption decoder
36	NC	-	--------
37	VSS	I	GND
38	MAIN_CCD	I	Video for main closed caption decorder
39	VREFHS	I	Reference voltage for MAIN CCD
40	CLH	I	Clamp high level
41	VDD/VPP	I	+3.3V
42	SCL4	O	I^2C bus (data) for JCC5055
43	NC	O	--------
44	ON_TIM	O	Lighting for on timer operating [LOW / ON:H]
45	SBO 0	O	Convergence control [RXD]
46	SBD 0	I	Convergence control [TXD]
47	SBT1	I	--------
48	AP_DATA	-	--------
49	BS_RST	-	--------
50	SQR	-	--------
51	BS1.5CTL	-	--------
52	NC	O	--------
53	NC	O	--------
54	DC_COTL	O	Black level DC reproduce control
55	NC	O	--------
56	NC	O	--------
57	NC	O	--------
58	/LOB_POW	O	LowB power control [Power on:L]
59	COMPULINK	I	AV COMPULINK III control
60	/POWERGOOD	I	Power condition check
61	/MECA_ON	I	Machine SW interrupt [Pushing:L]
62	/MAIN_POW	O	Main power control [Power on :L]
63	NC	-	--------
64	/B1 POW	O	B1 power control [Power on:L]
65	AFC	I	AFT voltage
66	X_RAY	I	X-ray protection detection [Protection : 2.0V]
67	SPRIT	O	NC
68	KEY2	I	Front key scan 2 (CH+, VOL-/+)
69	KEY1	I	Front key scan 1 (MENU, CH-)
70	SCL1	O	I^2C bus (clock) for EEP-ROM
71	SDA1	I/O	I^2C bus (data) for EEP-ROM
72	REMO	I	Remote control
73	NC	O	--------
74	VSS	I	GND
75	OSC2	O	4MHz oscillation for system clock
76	OSC1	I	4MHz oscillation for system clock
77	VDD	I	+3.3V
78	SCL0	O	I^2C bus (clock) for general
79	AP_CLK	O	--------
80	SDA0	I/O	I^2C bus (data) for general
81	NC	O	--------
82	NC	O	--------
83	NC	-	--------
84	P_MU	O	Picture muting [Muting:H]

2.5 MAIN PARTS LOCATION

2.5.1 PWB ASS'Y ARRANGEMENT

The PWB ASS'Y is indicated below.

PWB ASS'Y name	AV-48P575HA	AV-56P575HA	AV-56P585HA
MAIN PWB ASS'Y	SRP-1003A-M2	SRP-1004A-M2	SRP-1002A-M2
MI-COM & DIST MODULE PWB ASS'Y	SRP0D001A-M2	←	←
POWER PWB ASS'Y	SRP-9001A-M2	←	←
DEF / CONVERGENCE OUT PWB ASS'Y	SRP-2002A-M2	←	←
DIGITAL CONVERGENCE MODULE PWB ASS'Y	SRP0K003A-M2	SRP0K002A-M2	←
DIGITAL INPUT MODULE PWB ASS'Y	SRP-7803A-M2	SRP-7804A-M2	SRP-7802A-M2
FRONT CONTROL PWB ASS'Y	SRP0L001A-M2	←	←
REMOCON SENSOR PWB ASS'Y	SRP-8001A-M2	←	←
VM PWB ASS'Y	SRP-7201A-M2	←	←
R CRT SOCKET PWB ASS'Y	SRP-3101A-M2	←	←
G CRT SOCKET PWB ASS'Y	SRP-3201A-M2	←	←
B CRT SOCKET PWB ASS'Y	SRP-3301A-M2	←	←



(This figure is only MAIN UNIT)

2.6 SCREEN HANDLING CAUTIONS

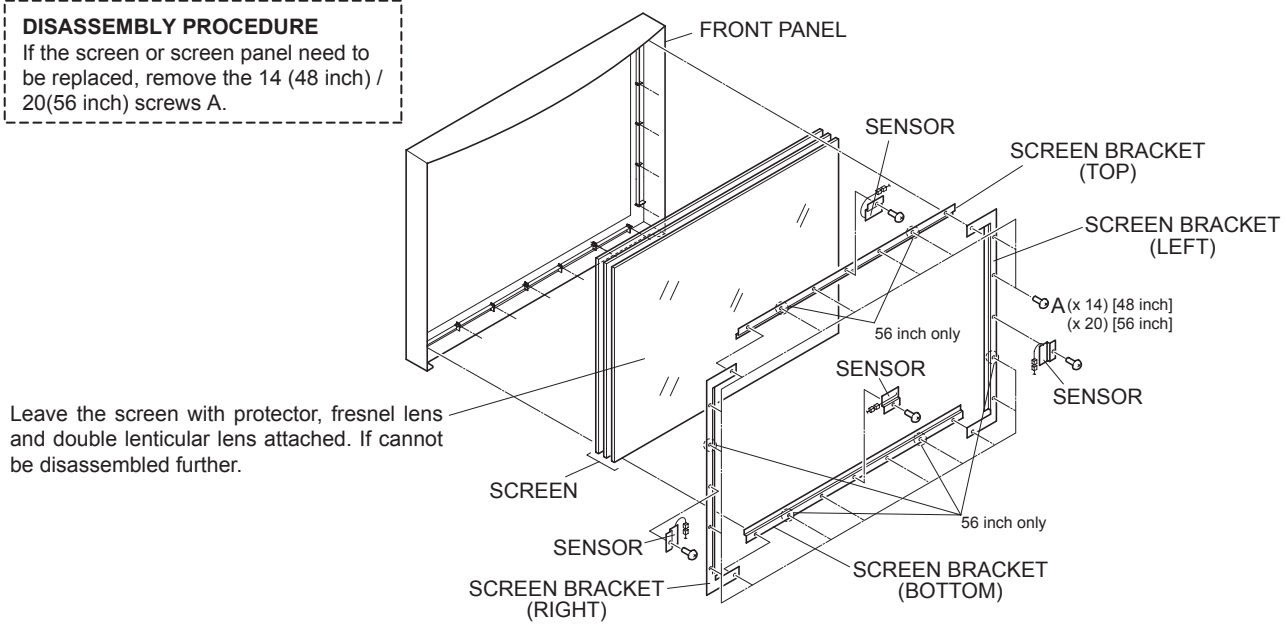
2.6.1 SCREEN STORAGE

Store the SCREEN ASS'Y in a standing position in order to avoid deformation. If the screen is stored horizontally, there is risk of deforming the screen face.
When necessary to place the SCREEN ASS'Y horizontally, position the screen side upwards and sure to place spacers between the screen and resting site (floor or stand etc.) to prevent the screen from sagging.

2.6.2 SCREEN SURFACE

Since the screen surface is easily scratched or soiled, use ample care when handling.

DISASSEMBLY PROCEDURE
If the screen or screen panel need to be replaced, remove the 14 (48 inch) / 20(56 inch) screws A.



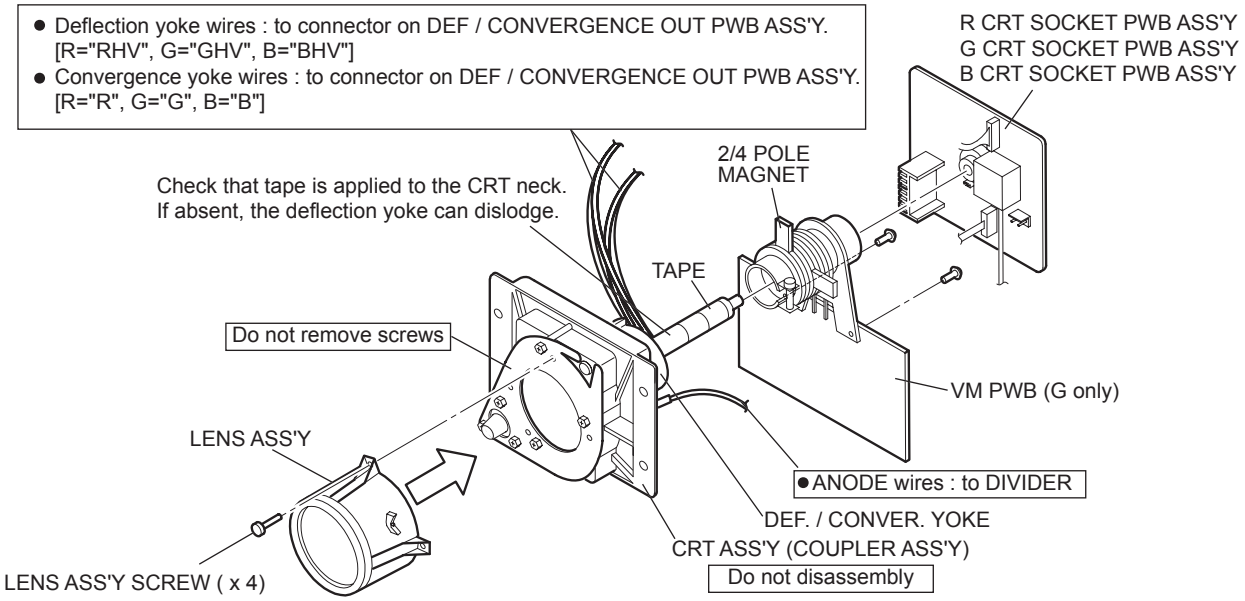
2.7 PROJECTION UNIT REPLACEMENT

2.7.1 ADJUSTMENT DURING REPLACEMENT

When replacing the three R, G and B projection units, first replace the R and B units and perform focus / screen / raster centering adjustments with reference to the G unit. Then replace the G unit and perform G focus / screen / convergence adjustment. Finally perform R & B . Convergence adjustments. Use care to simultaneously removes all three-projection units.

2.7.2 DISASSEMBLY CAUTION

The projection units include locations that are not to be disassembled during service. When replacing projection unit parts, disassemble to the state indicated in the figure below.
The figure indicates screws and wires that are not to be removed. Use care not to remove these.



SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

- Make sure that the power cord is pulled out from the AC wall socket.

3.1.1 SPEAKER GRILLE

(1) Remove 2 screws **[A]** from rear side.
(2) The SPEAKER GRILLE bottom is pulled to the front, and four claws which are fixing the SPEAKER GRILLE are removed.
(3) Take out the SPEAKER GRILLE.

*Remove the both side SPEAKER GRILLE same manner.

3.1.2 SPEAKER

- Take out the SPEAKER GRILLE.
  (1) Remove 4 screws **[B]**.
  (2) Take out the SPEAKER.
  (3) Disconnect the speaker wire from speaker terminal.

*Remove the both side SPEAKER same manner.

3.1.3 FRONT PANEL

- Take out the SPEAKER GRILLE.
  (1) Remove 4 screws **[C]**.
  (2) The FRONT PANEL upper is pulled to the front, and two claws which are fixing the FRONT PANEL are removed.
  (3) Take out the FRONT PANEL.

3.1.4 FRONT CONTROL BOX

- Take out the SPEAKER GRILLE.
- Take out the FRONT PANEL.
  (1) Remove 5 screws **[D]**.
  (2) Disconnect the connector [CN001H], [CN001G], [CN00R] on the FRONT CONTROL PWB.
  (3) Take out the FRONT CONTROL BOX.

3.1.5 FRONT CONTROL PWB

- Take out the FRONT CONTROL BOX.
  (1) Remove 2 screws **[E]**.
  (2) Remove 3 screws **[F]** from rear side of FRONT CONTROL BOX.
  (3) Take out the FRONT CONTROL PWB.

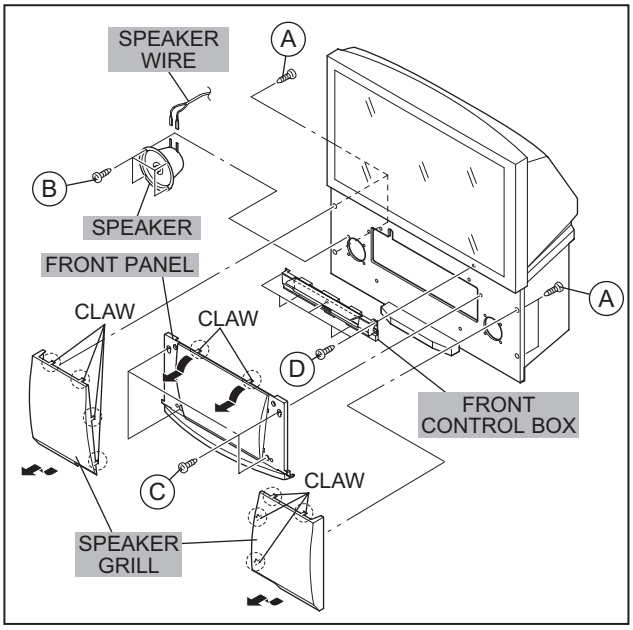


Fig.1

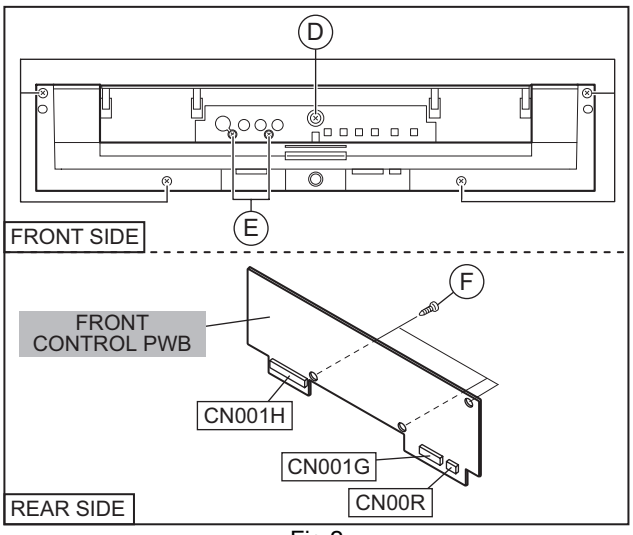
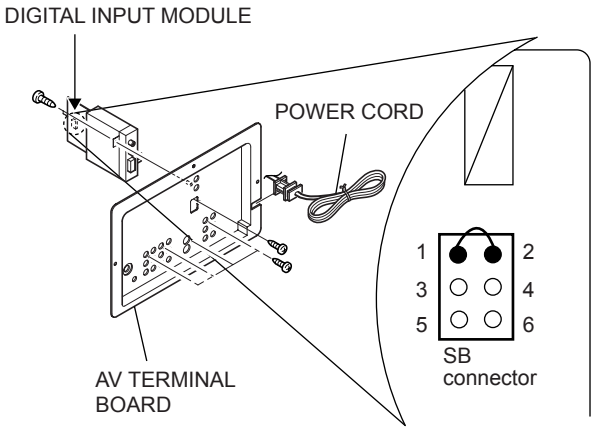


Fig.2

CAUTION AT DISASSEMBLY



- Prior to disassembly, unplug the power code from the AC outlet without fail. (Turn the power "off".)
- Short the SB connector [1] pin and [2] pin of the DIGITAL INPUT MODULE. (At the time of assembling)
- Before the rear panel is inserted into the cabinet, release the short-circuit between the SB connector [1] pin and [2] pin of the DIGITAL INPUT MODULE.
- After releasing the short-circuit between the SB connectors, do not turn the power on until the rear panel is inserted into the cabinet.

∗ Negligence in carrying out the above steps may cause the inactivation of the TV.

3.1.6 SCREEN ASS'Y

- Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
  (1) Disconnect the connector **[CN00Z]**
  (2) Remove 4 screws **[G]** attaching the SCREEN ASS'Y.
  (3) Remove 10 screws **[H]** from rear side.
  (4) Take out the SCREEN ASS'Y.

NOTE :

- Please place the SCREEN ASS'Y on a flat table without fail.
- Because of the large size, at least two parsons are recommended for removal and reassemble.
- Use core not to scratch the screen during work.
- During assembly, be sure to engage the left and right tabs with the cabinet mounting positions.
- When than sporting the SCREEN ASS'Y, avoid grasping the top of the screen panel, instead grasp the left and right areas.

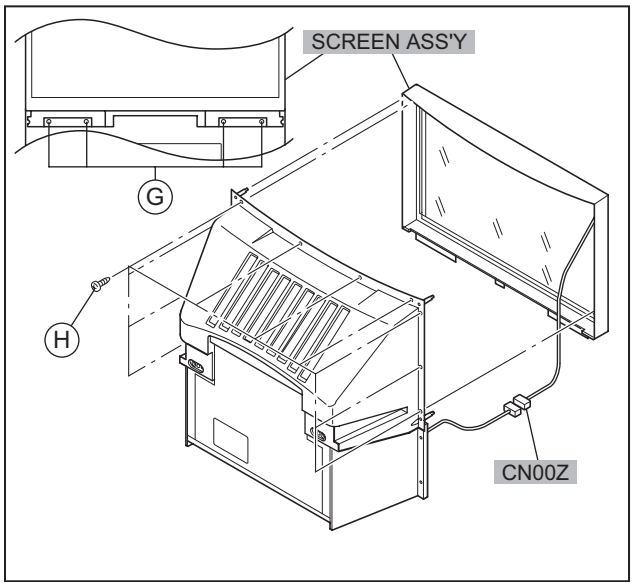


Fig.3

3.1.7 CONVERGENCE SENSOR

- Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
- Take out the SCREEN ASS'Y.
  (1) Remove the 1 screw **[I]** attaching the SENSOR HOLDER.
  (2) Remove the claw of the SENSOR HOLDER to take out the CONVERGENCE SENSOR.
  (3) Take out the others CONVERGENCE SENSOR same manner.

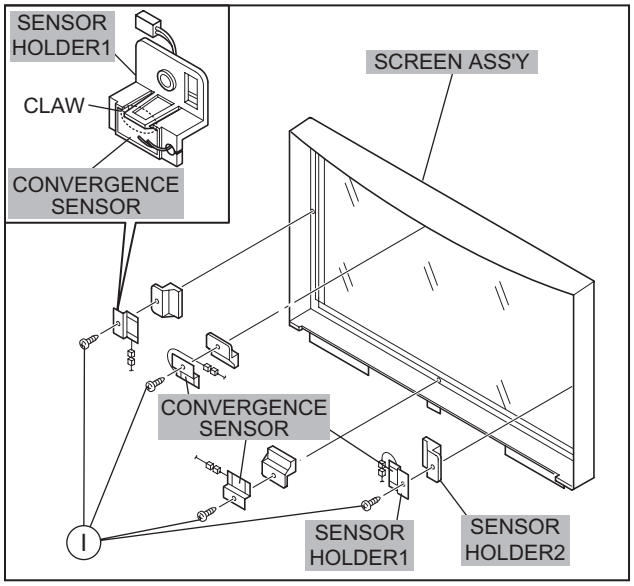


Fig.4

3.1.8 MIRROR

- Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
- Take out the SCREEN ASS'Y.
  (1) Remove 9 screws **[J]** attaching the mirror brackets of the upper, left and right side.
  (2) Raise slightly to disengage of the mirror from the bottom bracket. (If necessary, loosen the screws attaching the bottom bracket)
  (3) Take out the MIRROR.

  NOTE :
  - The MIRROR is frontcoated. Do not touch the front of the MIRROR.
  - At least 2 persons are recommended for removable and reassemble.

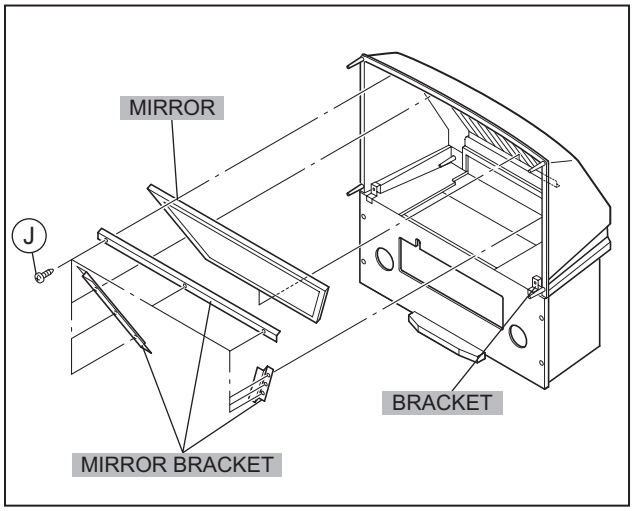


Fig.5

3.1.9 REAR PANEL

(1) Remove 6 screws **[K]**.
(2) Remove 4 screws **[L]**.
(3) Take out the REAR PANEL.

NOTE :

- Before the rear panel is inserted into the cabinet, release the short-circuit between the [SB] connector (1) pin and (2) pin of the DIGITAL INPUT UNIT. (Refer to "CAUTION AT DISASSEMBLY" on Page 10).
- After releasing the short-circuit between the [SB] connectors, do not turn the power on until the rear panel is inserted into the cabinet.
- Prior to starting the work, be sure to read the following written instructions on the CAUTION LABEL attached to the REAR PANEL.

⚠Prior to starting the work, be sure to read the following written instructions on the CAUTION LABEL attached to the REAR PANEL.
UNPLUG THE POWER CORD FROM AC OUTLET BEFORE OPEN THE REAR COVER (PANEL).
When the rear cover (panel) is removed, follow "CAUTION AT DISASSEMBLY" procedure in the service manual before plugging the TV's power cord into an AC outlet.
Failure to follow the procedure will result in PERMANENT damage to some of the television features.

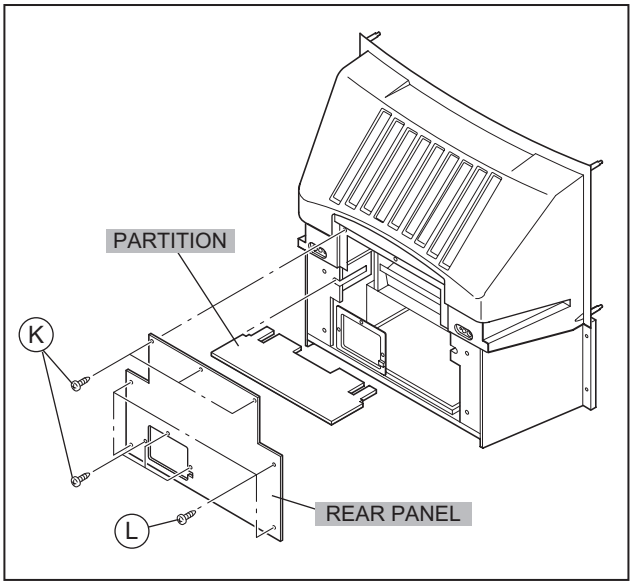


Fig.6

3.1.10 PARTITION

- Take out the REAR PANEL.
  (1) Pull out the PARTITION backward.

3.1.11 REAR COVER

- Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
- Take out the SCREEN ASS'Y.
  (1) Remove 2 screws **[M]**.
  (2) Remove 2 screws **[N]** from front side.
  (3) Slightly pull for backside to disengage of the REAR COVER from hooks.
  (4) Take out the REAR COVER.

NOTE :

- Because of the large size, at least two persons are recommended for removal and reassemble.

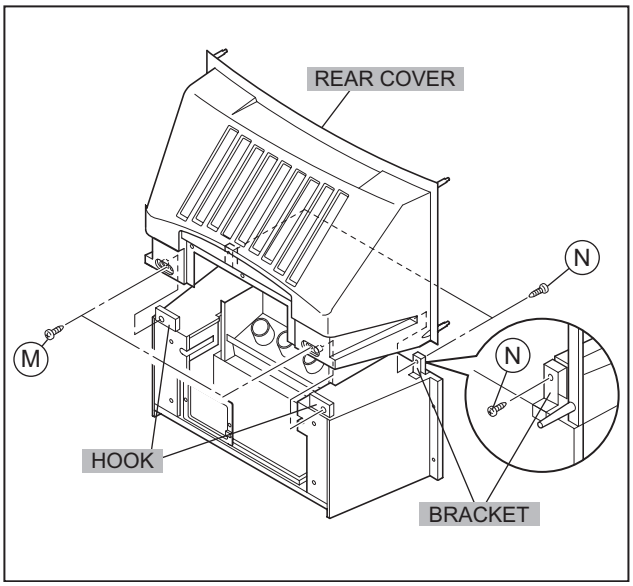


Fig.7

3.1.12 MAIN UNIT

- Take out the SPEAKER GRILLE.
- Take out the FRONT PANEL.
- Take out the REAR PANEL.
  (1) Remove 4 screws **[O]** from front side.
  (2) Take out the connector **[CN00R]**, **[CN001G]**, **[CN001H]** on the FRONT CONTROL PWB.
  (3) Take out the connector **[CN00Z]** on the DEF & CONVERGENCE OUT PWB.
  (4) Remove 2 screws **[P]** attaching the MAIN CHASSIS and BODY.
  (5) Pull out the MAIN UNIT rear side.

NOTE :

- Except for confirmation of projection of images on the screen and audio output through the speakers, the removed MAIN UNIT is still workable in the same state as if it is still built in the TV set. Therefore, the MAIN UNIT can be removed, if necessary, for board diagnosis, electric testing, etc. apart from confirmation of screen images and audio output.
- When wire clamps are removed during work, use care to restore them precisely to their original positions. Performance can be affected if these are not returned to the original positions.
- Because of the large size, at least two persons are recommended for removal and reassemble.
- When carrying the MAIN UNIT, use care not to drop, shock or shake it.
- Do not stain or damage the lens of the PROJECTION UNIT.
- Do not look the projection side of a PROJECTION UNIT when the image is projected.

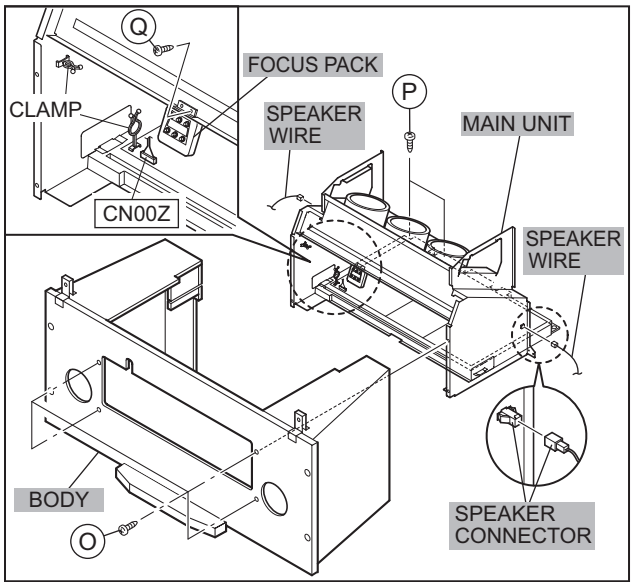


Fig.8

3.1.12.1 CHECKING THE P.W. BOARD

When checking the MAIN PWB, POWER PWB, DEF & CONVERGENCE OUT PWB, etc., raise the MAIN UNIT with the front side down for the make of convenience.

3.1.13 FOCUS PACK

- Take out the MAIN UNIT.
  (1) Remove 1 screw **[Q]**.
  (2) Take out the FOCUS PACK.
  (3) Take out 9 wires connecting the FOCUS PACK.

3.1.14 AV TERMINAL BOARD

- Take out the REAR PANEL.
  (1) Remove 4 screws **[R]**.
  (2) Pull out the POWER CORD CLAMP from AV TERMINAL BOARD right side.
  (3) Disconnect the connector **[AU]**, **[DC]**, **[Q]** and **[SR]** on the DIGITAL INPUT MODULE PWB.
  (4) Take out the AV TERMINAL BOARD.

3.1.15 DIGITAL INPUT MODULE

- Take out the AV TERMINAL BOARD.
  (1) Remove 1 screw **[S]**.
  (2) Remove 2 screws **[T]** from rear side of the AV TERMINAL BOARD.
  (3) Take out the DIGITAL INPUT MODULE.

NOTE:

When removing the DIGITAL INPUT MODULE, refer to the "CAUTION AT DISASSEMBLY" section on page 10.

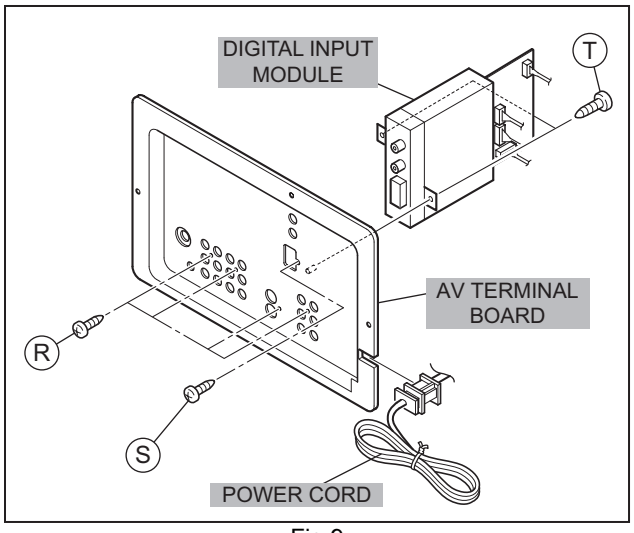


Fig.9

3.1.16 MAIN CHASSIS

- Take out the REAR PANEL.
  (1) Remove 2 screws **[U]**.
  (2) Remove 2 screws **[P]**.
  (3) Pull out the MAIN CHASSIS for backside.

NOTE:

If necessary, remove the anode wires, connectors, respectively.

3.1.17 MI-COM & DIST MODULE PWB

- Take out the REAR PANEL.
- Take out the MAIN CHASSIS.
  (1) Disconnect the connector **[CN000E], [CN000Y]** on the MI-COM & DIST MODULE PWB.
  (2) Remove 2 screws **[V]**.
  (3) Take out the MI-COM & DIST MODULE PWB.

3.1.18 DIGITAL CONVERGENCE MODULE PWB

- Take out the REAR PANEL.
- Take out the MAIN CHASSIS.
  (1) Remove 2 screws **[W]**.
  (2) Take out the DIGITAL CONVERGENCE MODULE PWB.

3.1.19 PROJECTION UNIT

- Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
- Take out the REAR PANEL.
- Take out the MAIN UNIT.
  (1) Take out the CRT SOCKET PWB.
  (2) Remove 4 screws **[X]**.
  (3) Pull out the PROJECTION UNIT upward.

NOTE :

- Refer to "PROJECTION UNIT REPLACEMENT" on page 9 when taking out and replacing the PROJECTION UNIT.
- When wire clamps are removed during work, use care to restore them precisely to their original positions. Performance can be affected if these are not returned to the original positions.

3.1.20 HV DIVIDER

- Take out the REAR PANEL.
  (1) Remove 1 screw **[Y]**.
  (2) Take out the HV DIVIDER.
  *Wires of the transformer (FBT) and CRT of each PROJECTION UNIT can be removed by turning the connector portions.

NOTE :

- If necessary, remove the anode wires, and replacing the HV DIVIDER, take care to correctly engage the connector.

3.1.21 REMOCON SENSOR PWB

- Take out the REAR PANEL.
  (1) Disconnect the connector **[R]**.
  (2) Remove 1 screw **[Z]**.
  (3) Take out the REMOCON SENSOR PWB.

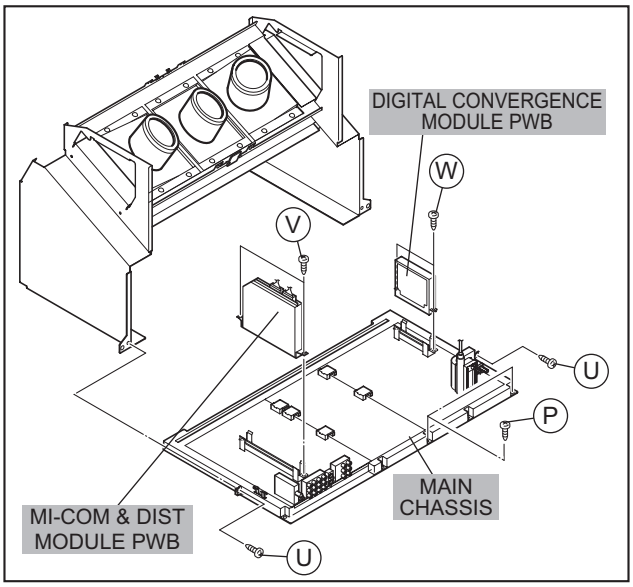


Fig.10

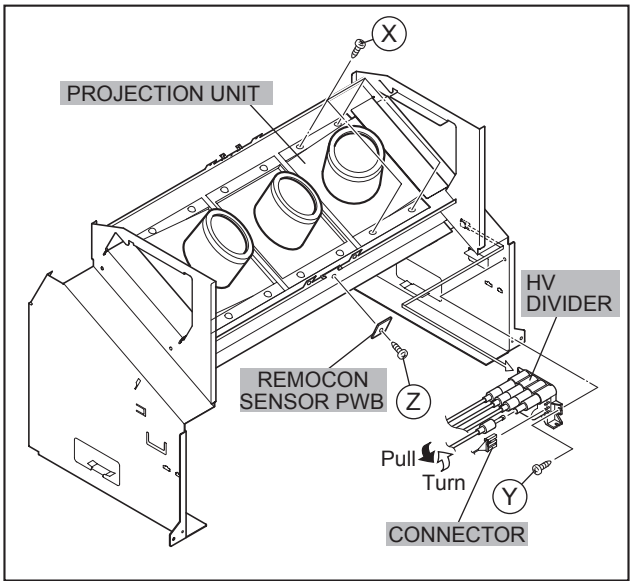


Fig.11

3.2 MEMORY IC REPLACEMENT

3.2.1 MEMORY IC

This memory IC stores data for proper operation of the video and deflection circuits.
When replacing, be sure to use an IC containing this (initial value) data.

SERVICE MENU

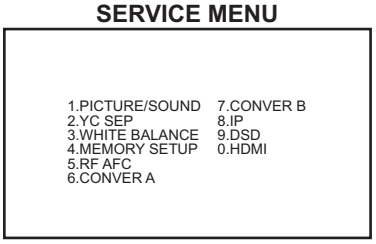


Fig.1

3.2.2 MEMORY IC REPLACEMENT PROCEDURE

(1) Power off
Switch off the power and disconnect the power cord from the wall outlet.
(2) Replace the memory IC
Initial value must be entered into the new IC.
(3) Power on
Connect the power cord to the wall outlet and switch on the power.
(4) SERVICE MENU setting
Before entering the SERVICE MENU, confirm that the setting of TV/CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR/DVD SW of the REMOTE CONTROL UNIT is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MENU.
a) Press **[SLEEP TIMER]** key and, while the indication of **SLEEP TIMER 0 MIN** is being displayed, press **[DISPLAY]** key and **[VIDEO STATUS]** key (Fig.2) simultaneously.
b) The SERVICE MENU screen of Fig.1 is displayed.
c) Verify what to set in the SERVICE MENU, and set whatever is necessary (Fig.1).
Refer to the SERVICE ADJUSTMENT for setting.
d) Press the [BACK] key twice to return normal screen.
(5) Receive channel setting
Refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the receive channels (Channels Preset) as described.
(6) User settings
Check the user setting items according to after page.
Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.

SERVICE MENU SELECT KEY

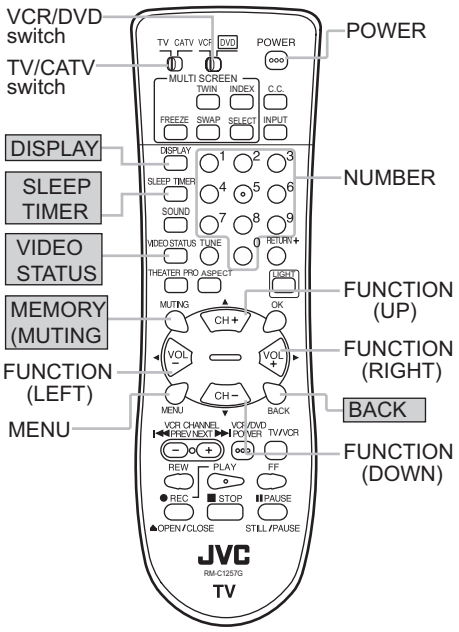


Fig.2

3.2.3 SERVICE ADJUSTMENT ITEM

Setting item	Item No.	Remark	Setting item	Item No.	Remark
1.PICTURE/SOUND			6.CONVER A		
AUDIO	A01~A27		Convergence adjustment	CPA01~CPA11	Do not adjust
VIDEO	S01~S99			CCA01~CCA12	
DEFLECTION	D01~D32			CDA01~CDA07	
FACTORY setting	F01~F70			CBA01~CBA94	
2.YC SEP			7.CONVER B		
YC separation setting	YCM001~YCM185	Do not adjust	Convergence adjustment	------	
	YCS001~YCS114		8.IP		
			DIST process setting	IPA001~IPA042	Do not adjust
3.WHITE BALANCE			9.DSD		
LOW LIGHT/HIGH LIGHT adjustment	BR, DRV R, DRV B, CUT R, CUT G, CUT B		DSD process setting	DSA001~DSA053	Do not adjust
				DSB001~DSB053	
4.MEMORY SETUP	------	Do not adjust		DSC001~DSC044	
5.RF AFC				DSD001~DSD017	
TUNER RF AFT setting	TUNER, AFC,FINE	Do not adjust	0.HDMI		
			Digital input setting	HDM001~HDM080	Do not adjust
				RHD001~RHD170	

3.2.4 FACTORY SHIPPING SETTING

VIDEO STATUS MEMORY
(NTSC / 480i / 480p)

Item	Setting value				
	TINT	COLOR	PICTURE	BRIGHT	DETAIL
STANDARD	0	0	0	0	0
THEATER	0	0	0	0	0
DYNAMIC	0	0	+10	0	+5
GAME	0	0	-10	0	0

(720p / 1080i)

Item	Setting value				
	TINT	COLOR	PICTURE	BRIGHT	DETAIL
STANDARD	0	0	0	0	0
THEATER	0	0	0	0	0
DYNAMIC	0	0	+5	0	+10
GAME	0	0	-10	0	0

CHANNEL SETTING (CHANNEL SUMMARY)

Band	CH display		Setting	Band	CH display		Setting
VHF LOW	2		USED	SUPER	N	27	NOT USED
	3		NOT USED		O	28	USED
	4		USED		P	29	NOT USED
	5		USED		Q	30	NOT USED
	6		USED		R	31	USED
VHF HIGH	7		USED		S	32	USED
	8		NOT USED		T	33	NOT USED
	9		USED		U	34	NOT USED
	10		NOT USED		V	35	NOT USED
	11		USED		W	36	USED
	12		NOT USED	SUBMID	A-7	93	NOT USED
	13		USED		A-6	94	NOT USED
UHF	14		USED		A-5	95	NOT USED
	36		USED		A-4	96	USED
	41		NOT USED		A-3	97	USED
	46		NOT USED		A-2	98	USED
	63		USED		A-1	99	NOT USED
	69		USED		A-8	01	NOT USED
MID	A	14	USED	HYPER	W+11	47	USED
	B	15	USED		W+12	48	USED
	C	16	USED		W+17	53	USED
	D	17	USED		W+23	59	USED
	E	18	USED	ULTRA	W+29	65	NOT USED
	F	19	NOT USED		W+51		NOT USED
	G	20	NOT USED		W+78		NOT USED
	H	21	USED		W+84		NOT USED
	I	22	NOT USED				
SUPER	J	23	NOT USED				
	K	24	USED				
	L	25	NOT USED				
	M	26	NOT USED				

SHIPPING FACTORY SETTING (USER SETTING)

Setting item	Setting value	Setting item	Setting value
POWER	Off	TINT / COLOR / PICTURE/ BRIGHT / DETAIL	Refer to setting of Video status memory at shipping factory setting
CHANNEL	CABLE-02		
VOLUME	10		
INPUT	TV		
		COLOR TEMPERATURE	LOW
		DIG. NOISE CLEAR	OFF
		VSM (Velocity Scan Modulation)	ON
DISPLAY	OFF	NATURAL CINEMA	AUTO
ASPECT	REGULAR	BASS / TREBLE / BALANCE	Center
VIDEO STATUS	DYNAMIC	MTS	STEREO
SOUND		ON / OFF TIMER	OFF
A.H.S	OFF	LANGUAGE	ENG
BBE	ON	NOISE MUTING	ON
SMART SOUND OFF	OFF (AV-56P585 only)	FRONT PANEL LOCK	OFF
		CLOSED CAPTION	OFF (CC1 / T1)
		FRONT PANEL LOCK	OFF
		V1 SMART INPUT	OFF
		VIDEO INPUT LABEL	BLANK
SPLIT SOURCE	LEFT SIDE : CA 02 RIGHT SIDE : INPUT1	AUTO SHUT OFF	OFF
		DIGITAL-IN	SIZE 1
POSITION ADJUSTMENT	Center	DIGITAL AUDIO	DIGITAL
CENTER CH INPUT	OFF	CHANNEL SUMMARY	Refer to Last memory (CH. summary)
XDS ID	ON		
CONVERGENCE	AUTO	V-CHIP	OFF
POWER INDICATOR	HIGH	AUTO DEMO	OFF

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

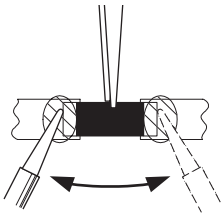
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

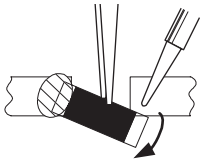
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



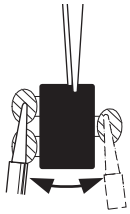
(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



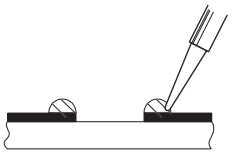
NOTE :

After removing the part, remove remaining solder from the pattern.

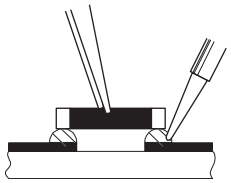
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

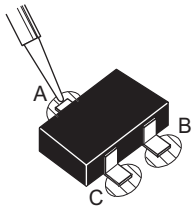


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

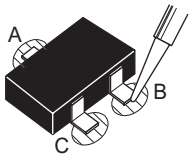


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) You can make the necessary adjustments for this unit with either the Remote Control Unit or with the adjustment tools and parts as given below.
(2) Adjustment with the Remote Control Unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.
(3) Make sure that AC power is turned on correctly.
(4) Turn on the power for set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
(5) Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
(6) Never touch any adjustment setting value which are not specified in the list for this adjustment.
(7) Presetting before adjustment
Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit.

SETTING POSITION

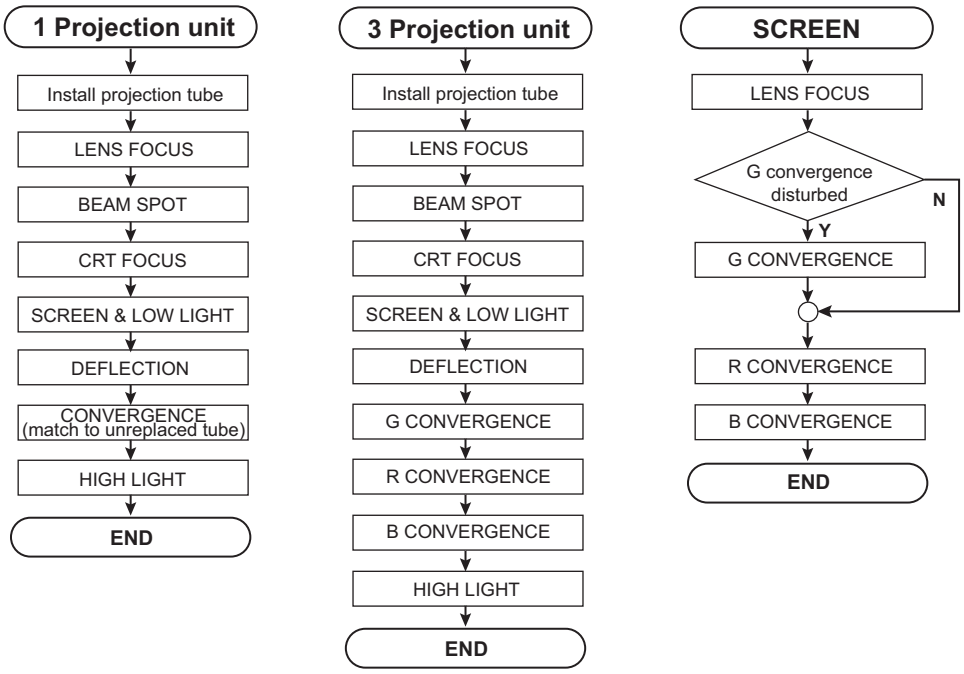
Setting item	Setting position
VIDEO STATUS	STANDARD
TINT / COLOR / PICTURE / BRIGHT / DETAIL	0
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
NATURAL CINEMA	AUTO
VSM	OFF
BASS / TREBLE / BALANCE	Center
A.H.S	OFF
BBE	OFF
ASPECT	FULL
VERTICAL POSITION	Center
ON/OFF TIMER	OFF
AUTO SHUTOFF	OFF

4.2 MEASURING INSTRUMENT AND FIXTURES

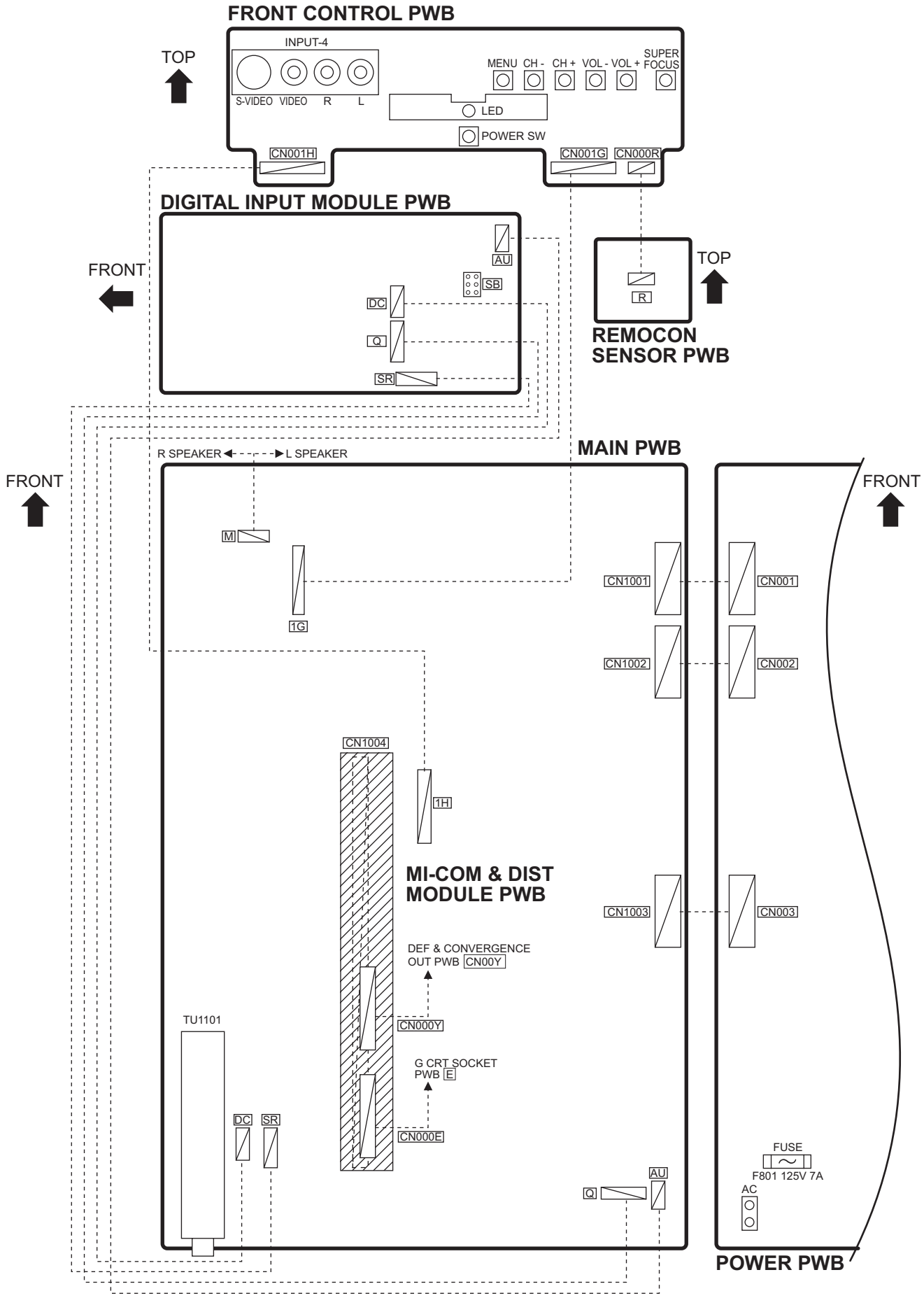
(1) DC voltmeter (or digital voltmeter)
(2) Oscilloscope
(3) Signal generator (Pattern generator)
[NTSC / 480i / 480p / 720p / 1080i / HDMI]
(4) TV audio multiplex signal generator
(5) Remote control unit

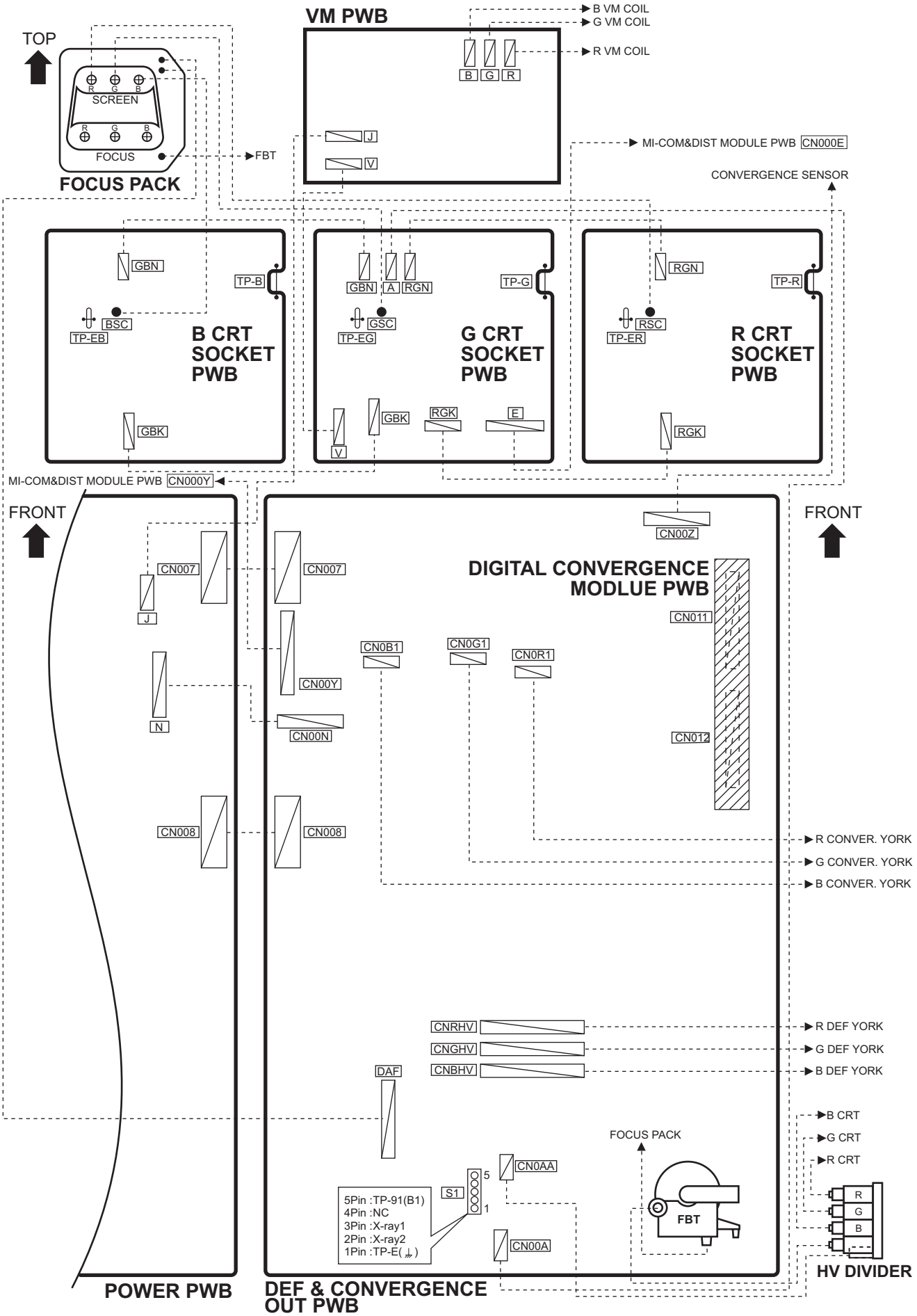
4.3 ADJUSTMENT FLOWCHART

WHEN REPLACING SCREEN AND PROJECTION UNIT
• Contains only the main adjustments. Also confirm other adjustments as required.

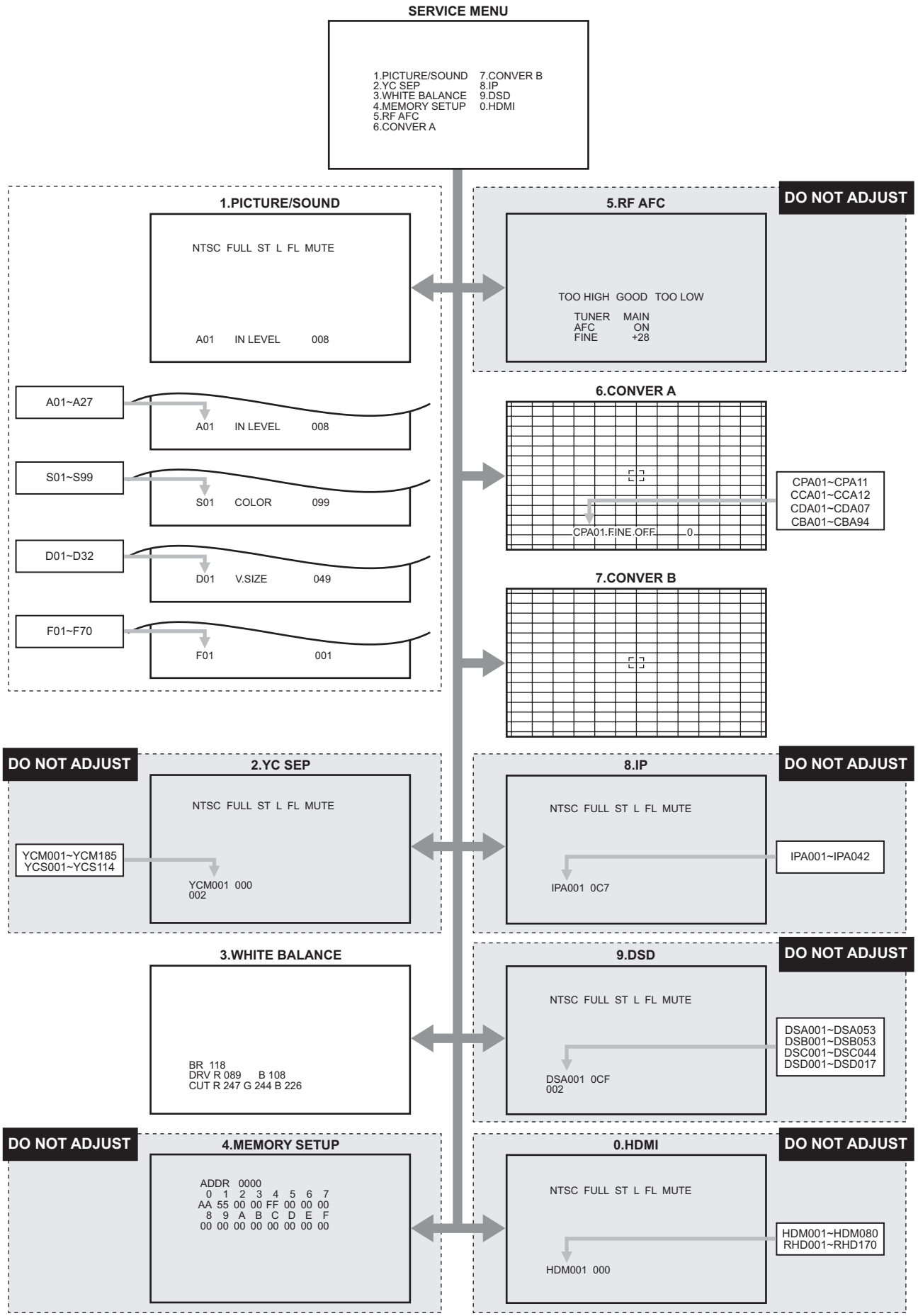


4.4 ADJUSTMENT LOCATION




VM PWB
B VM COIL
G VM COIL
R VM COIL
B G R
TOP
SCREEN
FOCUS
FBT
FOCUS PACK
J
V
MI-COM&DIST MODULE PWB CN000E
CONVERGENCE SENSOR
GBN
TP-B
BSC
TP-EB
B CRT SOCKET PWB
GBK
GBN A RGN
TP-G
GSC
TP-EG
G CRT SOCKET PWB
V
GBK
RGK
E
RGN
TP-R
RSC
TP-ER
R CRT SOCKET PWB
RGK
MI-COM&DIST MODULE PWB CN000Y
FRONT
CN00Z
FRONT
CN007
CN007
J
DIGITAL CONVERGENCE MODLUE PWB
CN011
CN0B1
CN0G1
CN0R1
CN00Y
N
CN00N
CN012
CN008
CN008
R CONVER. YORK
G CONVER. YORK
B CONVER. YORK
CNRHV
CNGHV
CNBHV
R DEF YORK
G DEF YORK
B DEF YORK
DAF
FOCUS PACK
CN0AA
S1
5
1
5Pin :TP-91(B1)
4Pin :NC
3Pin :X-ray1
2Pin :X-ray2
1Pin :TP-E( )
CN00A
FBT
B CRT
G CRT
R CRT
R
G
B
HV DIVIDER
POWER PWB
DEF & CONVERGENCE OUT PWB

4.5 BASIC OPERATION OF SERVICE MENU



4.5.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

4.5.2 SERVICE MENU ITEMS

In general, basic setting (adjustments) items or verifications are performed in the SERVICE MENU.

1.PICTURE / SOUND	This sets the setting values of the VIDEO, AUDIO and DEFLECTION circuits.
2.YC SEP	This is used when the YC SEPARATION circuit is adjusted. [Do not adjust]
3.WHITE BALANCE	This sets the setting values of the WHITE BALANCE.
4.MEMORY SETUP	This sets the setting values of the MEMORY ADDRESS. [Do not adjust]
5.RF AFC	This is used when the IF VCO is adjusted. [Do not adjust]
6.CONVER A	This is used when the CONVERGENCE is adjusted.
7.CONVER B	This is used when the CONVERGENCE is adjusted.
8.IP	This sets the setting value of the DIST circuit. [Do not adjust]
9.DSD	This sets the setting value of the DSD circuit. [Do not adjust]
0.HDMI	This sets the setting value of the DIGITAL INPUT circuit. [Do not adjust].

4.5.3 BASIC OPERATIONS OF THE SERVICE MENU

(1) How to enter the SERVICE MENU

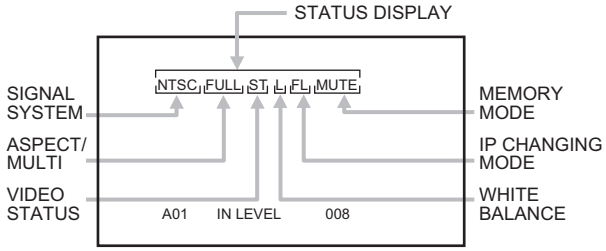
Press [SLEEP TIMER] key and, while the indication of "SLEEP TIMER 0 MIN." is being displayed, press [DISPLAY] key and [VIDEO STATUS] key simultaneously to enter the SERVICE MENU screen.

(2) Releasing SERVICE MENU

After returning to the SERVICE MENU upon completion of the setting work, press the [BACK] key again.

4.5.4 DESCRIPTION OF STATUS DISPLAY

The status display on the upper part of the SERVICE MENU screen is common.



[1.PICTURE/SOUND]

(1) SIGNAL SYSTEM

NTSC : Composite, S-video (Y / C), No signal.
DVD : 480i (component)
ED : 480p
HD : 1080i
720 : 720p
HED1 : HDMI 480p SIZE1
HED2 : HDMI 480p SIZE2
HHD : HDMI 1080i
H750 : HDMI 720p

(2) ASPECT / MULTI

1) ONE SCREEN

FULL : FULL
PANO : PANORAMA
CINE : CINEMA
REGU : REGULAR

2) MULTI SCREEN

M1 : One screen (for adjustment)
M2-1 : TWIN (4 : 3)
M2-2 : TWIN (16 : 9)
M12 : INDEX

(3) VIDEO STATUS

ST : STANDARD
DA : DYNAMIC
TH : THEATER
GA : GAME

(4) WHITE BALANCE

H : HIGH
L : LOW

(5) IP CONVERTING MODE

FL : FRAME
LI : LINE
23 : COMPULSORY NATURAL CINEMA IN

(6) MEMORY MODE

MUTE : Press [MUTING] key
DIR : Change data then memory at the same time.

4.5.5 SERVICE MENU SETTING

1. PICTURE/SOUND

AUDIO / VIDEO / DEFLECTION circuit adjustment.

1. SETTING ITEM No.

A : AUDIO
S : SIGNAL
D : DEFLECTION
F : FACTORY SETTING

- Press [CH+] / [CH-] key

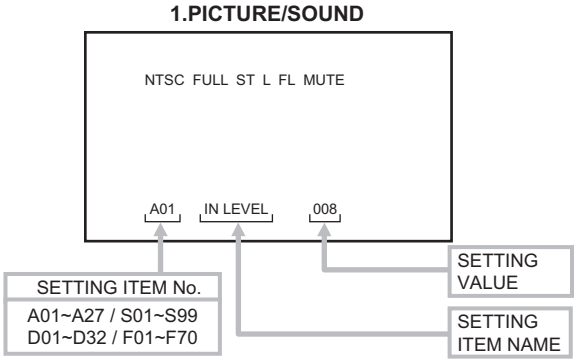
Item No. is up/down

- Press [SLEEP TIMER] key

Skip change

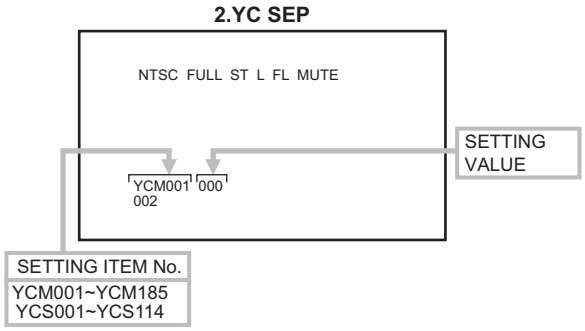
2. SETTING ITEM NAME
Describe setting item name

3. SETTING VALUE
- Press [VOL+] / [VOL-] key
  Set the setting value.
- Press [MUTING] key
  Memorize the data.



2. YC SEP

YC separation circuit setting.
[Do not adjust]



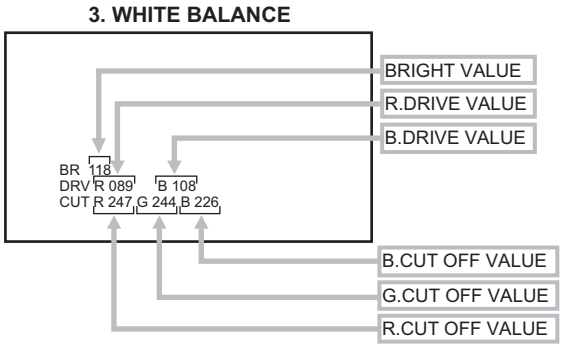
3. WHITE BALANCE

Adjustment of LOW LIGHT / HIGH LIGHT.

1. SELECT ITEM
- Press [CH+] / [CH-] key

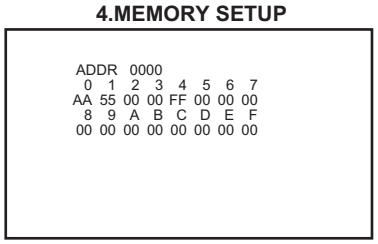
2. SETTING VALUE
BRIGHT
- Press [VOL+] / [VOL-] key

DRIVE
[2] key : DRIVE R is up
[5] key : DRIVE R is down
[3] key : DRIVE B is up
[6] key : DRIVE B is down
CUTOFF
[7] key : CUTOFF G is up
[TUNE] key : CUTOFF G is down
[8] key : CUTOFF R is up
[0] key : CUTOFF R is down
[9] key : CUTOFF B is up
[RETURN+] key : CUTOFF B is down



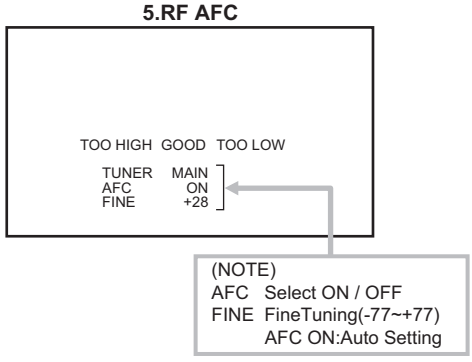
4. MEMORY SETUP

Main memory data edition.
[Do not adjust]



5. RF AFC

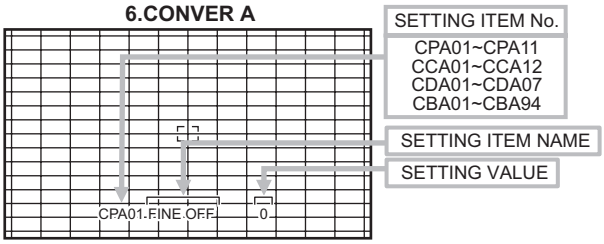
Setting the RF VCO adjustment.
[Do not adjust]



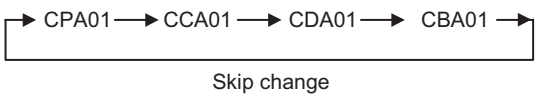
6. CONVER A

Setting the CONVERGENCE PHASE adjustment.

- Setting for 6.CONVER A is described in the CONVERGENCE adjustment.



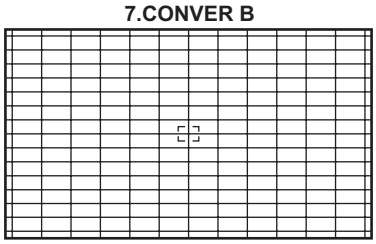
- Press [INPUT] key



7. CONVER B

Setting the CONVERGENCE POINT (fine).

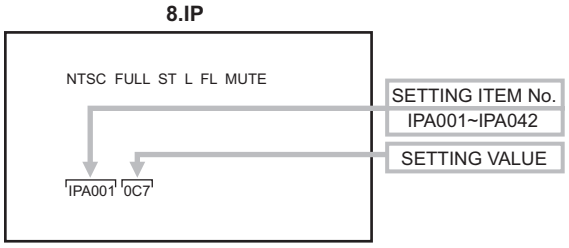
- Setting for 7.CONVER B is described in the CONVERGENCE adjustment.



8. IP

DIST circuit data setting.

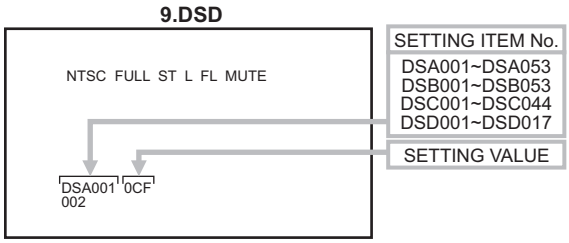
[Do not adjust]



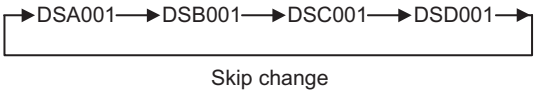
9. DSD

DSD circuit data setting.

[Do not adjust]



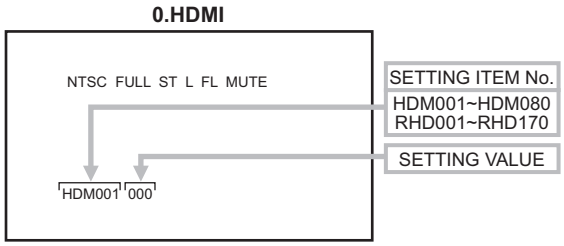
- Press [SLEEP TIMER] key



0. HDMI

DIGITAL INPUT circuit data setting.

[Do not adjust]



4.5.6 DESCRIPTION OF TEST MODE

(1) Press [SLEEP TIMER] key and set 30 minutes.

(2) While the indication "SLEEP TIMER 30 MIN." is being displayed. Press [DISPLAY] key and [VIDEO STATUS] key simultaneously to enter the TEST MODE MENU screen as shown in the Fig.1.

(3) Press [5] key to enter the 5.CONVER OFF.

(4) Press [INPUT] key to select the crosshatch pattern.

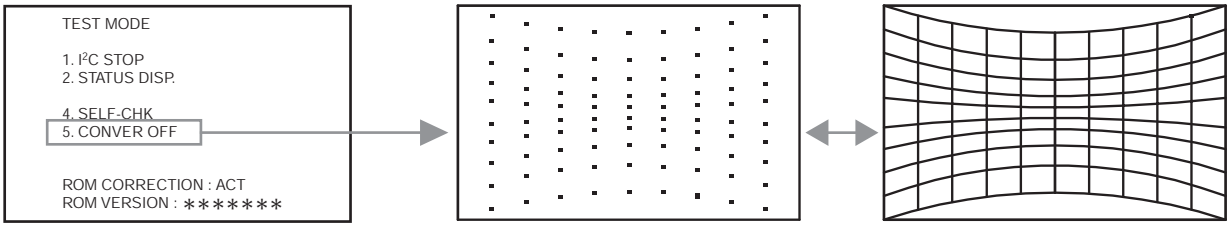


Fig. 1 Fig. 2 Fig. 3

4.6 INITIAL SETTING VALUE OF SERVICE MENU

(1) Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
(2) Do not change the initial setting values of the setting items NOT LISTED IN ADJUSTMENT.
(3) "---" is not adjusted. Setting value is not displayed.

CAUTION:

Never change the initial setting value any adjustments **except** for those that are designated in the adjustment procedures.
In case where you have made undesignated adjustments by mistake, never press the [MUTING] key on the remote control unit.
Whenever you had not pressed the [MUTING] key, you would be able to recover the initial value by switching the [POWER] key.

4.6.1 [1. PICTURE / SOUND]

AUDIO SYSTEM

Item No.	Item name	Variable range	Initial setting value		
			AV-48P575	AV-56P575	AV-56P585
A01	IN LEVEL	000~015	008	007	007
A02	LOW SEP	000~063	035	035	035
A03	HI SEP	000~063	020	020	020
A04	BBE BASS	-128~+127	+010	+010	+010
A05	BBE TRE	-128~+127	000	000	000
A06	SURROUND	000 / 001	000	000	000
A07	BASS OFS	-128~+127	-017	-017	-017
A08	TRE OFS	-128~+127	-009	-009	-009
A09	AHS MVE	-128~+127	000	000	000
A10	AHS MSC	-128~+127	000	000	000
A11	**(Not display)**	000 / 001	000	000	000
A12	**(Not display)**	000 / 001	000	000	000
A13	**(Not display)**	000 / 001	000	000	000
A14	**(Not display)**	000 / 001	000	000	000
A15	**(Not display)**	000 / 001	000	000	000
A16	**(Not display)**	000 / 001	000	000	000
A17	**(Not display)**	000 / 001	000	000	000
A18	**(Not display)**	000 / 001	000	000	000
A19	**(Not display)**	000 / 001	000	000	000
A20	**(Not display)**	000 / 001	000	000	000
A21	**(Not display)**	000 / 001	000	000	000
A22	**(Not display)**	000 / 001	000	000	000
A23	**(Not display)**	000 / 001	000	000	000
A24	**(Not display)**	000 / 001	000	000	000
A25	**(Not display)**	000 / 001	000	000	000
A26	**(Not display)**	000 / 001	000	000	000
A27	**(Not display)**	000 / 001	000	000	000

DEFLECTION SYSTEM

Item No.	Item name	Variable range	SINGLE PICTURE (FULL)	TWIN / INDEX
D01	V. SIZE	000~127	040	040
D02	EW	000~063	035	035
D03	H. SIZE	000~063	019	019
D04	V. SCORE	000~063	040	040
D05	V. LINE	000~063	042	042
D06	V. CENT	000~063	024	024
D07	EW.TRAP	000~063	029	029
D08	BOT.CORN	000~015	008	008
D09	TOP.CORN	000~015	008	008
D10	V. EHT	000~007	005	005
D11	H. EHT	000~007	005	005
D12	**(Not display)**	000~007	006	006
D13	**(Not display)**	000~015	000	000
D14	H. CENTER	000~255	117	117
D15	H. FREQ	000~255	190	190
D16	**(Not display)**	000~127	100	100
D17	**(Not display)**	000~003	000	000
D18	**(Not display)**	000 / 001	000	000
D19	**(Not display)**	000 / 001	000	000
D20	**(Not display)**	000 / 001	000	000
D21	**(Not display)**	000 / 001	000	000
D22	**(Not display)**	000 / 001	000	000
D23	**(Not display)**	000 / 001	000	000
D24	**(Not display)**	000 / 001	000	000
D25	**(Not display)**	000 / 001	000	000
D26	**(Not display)**	000 / 001	000	000
D27	**(Not display)**	000 / 001	000	000
D28	**(Not display)**	000 / 001	000	000
D29	**(Not display)**	000 / 001	000	000
D30	**(Not display)**	000 / 001	000	000
D31	**(Not display)**	000 / 001	000	000
D32	**(Not display)**	000 / 001	000	000

VIDEO SYSTEM

(NTSC / 480i)

Item No.	Item name	Variable range	NTSC				480i			
			STANDARD		THEATER		STANDARD		THEATER	
			48"	56"	48"	56"	48"	56"	48"	56"
S01	COLOR	000~255	098	099	088	085	081	081	069	073
S02	TINT	000~255	060	059	052	055	062	064	060	061

(480p / 720p / 1080i)

Item No.	Item name	Variable range	480p				720p / 1080i			
			STANDARD		THEATER		STANDARD		THEATER	
			48"	56"	48"	56"	48"	56"	48"	56"
S01	COLOR	000~255	075	089	066	073	067	070	063	070
S02	TINT	000~255	059	058	059	058	063	063	057	059

(NTSC / 480i / 480p)

Item No.	Item name	Variable range	NTSC				480i / 480p			
			STANDARD		THEATER		STANDARD		THEATER	
			48"	56"	48"	56"	48"	56"	48"	56"
S03	BRIGHT	000~255	125	128	122	120	124	127	120	123
S04	CONTRAST	000~127	049	051	040	044	060	064	046	047

(720p / 1080i)

Item No.	Item name	Variable range	720p / 1080i			
			STANDARD		THEATER	
			48"	56"	48"	56"
S03	BRIGHT	000~255	127	130	123	125
S04	CONTRAST	000~127	056	066	044	046

(NTSC / 480i)

Item No.	Item name	Variable range	NTSC				480i			
			STANDARD		THEATER		STANDARD		THEATER	
			48"	56"	48"	56"	48"	56"	48"	56"
S05	0 MTX SW	000~003	000	000	000	000	000	000	000	000
S06	INPUT SW	000~003	001	001	001	001	001	001	001	001
S07	B-Y	000~063	010	010	020	024	015	011	026	018
S08	R-Y	000~015	007	007	000	000	007	007	000	000
S09	G-YMATRI	000~003	001	001	003	003	001	001	003	003

(480p / 720p / 1080i)

Item No.	Item name	Variable range	480p				720p / 1080i			
			STANDARD		THEATER		STANDARD		THEATER	
			48"	56"	48"	56"	48"	56"	48"	56"
S05	0 MTX SW	000~003	000	000	000	000	000	000	000	000
S06	INPUT SW	000~003	001	001	001	001	000	000	000	000
S07	B-Y	000~063	015	017	025	021	023	021	025	021
S08	R-Y	000~015	008	008	002	002	004	004	003	003
S09	G-YMATRI	000~003	001	001	003	003	002	002	002	002

(NTSC / 480i)

Item No.	Item name	Variable range	NTSC					480i				
			STANDARD			THEATER		STANDARD			THEATER	
			HIGH	LOW		HIGH	LOW	HIGH	LOW		HIGH	LOW
				48"	56"				48"	56"		
S10	DRIVE R	000~255	---	085	078	---	---	---	086	072	---	---
S11	**(Not display)**	-128 ~ +127	+004	---	---	+006	+014	+005	---	---	+006	+014
S12	DRIVE B	000~255	---	080	084	---	---	---	078	079	---	---
S13	**(Not display)**	-128 ~ +127	+004	---	---	-007	-022	+005	---	---	-007	-022

(480p / 720p / 1080i)

Item No.	Item name	Variable range	480p				720p / 1080i				
			STANDARD		THEATER		STANDARD			THEATER	
			HIGH	LOW	HIGH	LOW	HIGH	LOW		HIGH	LOW
								48"	56"		
S10	DRIVE R	000~255	---	---	---	---	---	084	074	---	---
S11	**(Not display)**	-128 ~ +127	+003	000	000	+001	+005	---	---	+005	+008
S12	DRIVE B	000~255	---	---	---	---	---	078	083	---	---
S13	**(Not display)**	-128 ~ +127	+007	000	-005	-021	+005	---	---	+001	-009

(NTSC / 480i / 480p / 720p / 1080i)

Item No.	Item name	Variable range	NTSC		480i / 480p		720p / 1080i	
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S14	CUTOF R	000~255	185	---	185	---	185	---
S15	(Not display)	-128 ~ +127	---	-004	---	000	---	-008
S16	CUTOF G	000~255	185	---	185	---	185	---
S17	(Not display)	-128 ~ +127	---	000	---	000	---	000
S18	CUTOF B	000~255	185	---	185	---	185	---
S19	(Not display)	-128 ~ +127	---	-004	---	000	---	-008
S20	CUTOF SW R	000~003	001	---	001	---	001	---
S21	CUTOF SW G	000~003	001	---	001	---	001	---
S22	CUTOF SW B	000~003	001	---	001	---	001	---

(NTSC / 480i / OTHERS SIGNAL)

Item No.	Item name	Variable range	NTSC		480i		OTHERS SIGNAL	
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S23	DC CTL	000~255	255	255	255	255	255	255

Item No.	Item name	Variable range	Initial setting value
S24	RGBLIMT	000~015	000

(NTSC / 480i / OTHERS SIGNAL)

Item No.	Item name	Variable range	NTSC	480i	OTHERS SIGNAL
S25	BL STRT	000~015	015	015	015
S26	BL GAIN	000~015	008	008	008
S27	YGM LVL	000~015	000	000	000
S28	YGM GAIN	000~015	015	015	015
S29	YWD STRT	000~015	002	000	000
S30	YWD GAIN	000~015	005	002	003

Item No.	Item name	Variable range	Initial setting value	
			STANDARD	THEATER
S31	COL OFST	-128~+127	---	---
S32	TNT OFST	-128~+127	---	---

(TWIN / FREEZE)

Item No.	Item name	Variable range	TWIN / FREEZE	
			STANDARD	THEATER
S33	BRT OFST	-128~+127	-002	000
S34	CNT OFST	-128~+127	-011	000

Item No.	Item name	Variable range	STANDARD	THEATER
S35	DCTRN SW	000 / 001	000	000
S36	BL OFF	000 / 001	000	001
S37	YGM OFF	000 / 001	000	001
S38	ABL OFF	000 / 001	000	000
S39	ACL OFF	000 / 001	000	000

Item No.	Item name	Variable range	Initial setting value
S40	BLCNT LK	000 / 001	000
S41	YGCNT LK	000 / 001	000
S42	DCTRN PL	000 / 001	000
S43	ABL GAIN	000~015	015
S44	ABL STRT	000~015	015
S45	ACL GAIN	000~015	015
S46	ACL STRT	000~015	000

(TWIN / REGULER / THEATER / OTHERS)

Item No.	Item name	Variable range	MULTI SCREEN	ASPECT	VIDEO STATUS	OTHERS
			TWIN	REGULAR	THEATER	
S47	ACL EERG	000~255	255	255	255	255

Item No.	Item name	Variable range	Initial setting value
S48	CHRM GM	000~255	255

Item No.	Item name	Variable range	Initial setting value
S49	OSDR DC	000~127	064
S50	OSDB DC	000~127	064
S51	BLK OFF	000 / 001	000

Item No.	Item name	Variable range	STANDARD	THEATER
S52	CNT UNDR	-128~+127	-030	-021
S53	CNT UPPR	-128~+127	+013	+020
S54	BRT UNDR	-128~+127	-020	-020

Item No.	Item name	Variable range	Initial setting value
S55	EETH BRT	-128~+127	000
S56	EETH CNT	-128~+127	000
S57	BREE CNT	000~031	000
S58	DKEE CNT	000~031	000
S59	DREE BRT	000~127	000
S60	BREE ACL	000~255	000
S61	DKEE ACL	000~255	000
S62	VMOFF DE	-128~+127	+002
S63	VM LOW	-128~+127	-025
S64	VM MID	-128~+127	-015
S65	VM HIGH	-128~+127	+010
S66	VM L-	-128~+127	-004
S67	VM LH	-128~+127	-002
S68	VM MH	-128~+127	000
S69	VM M+	-128~+127	+001
S70	BLK R	000 / 001	000
S71	BLK G	000 / 001	000
S72	BLK B	000 / 001	000
S73	**(Not display)**	000 / 001	000
S74	**(Not display)**	000 / 001	000
S75	**(Not display)**	000 / 001	000
S76	**(Not display)**	000 / 001	000
S77	**(Not display)**	000 / 001	000
S78	**(Not display)**	000 / 001	000
S79	**(Not display)**	000 / 001	000
S80	**(Not display)**	000 / 001	000

Item No.	Item name	Variable range	Initial setting value
S81	**(Not display)**	000 / 001	000
S82	**(Not display)**	000 / 001	000
S83	**(Not display)**	000 / 001	000
S84	**(Not display)**	000 / 001	000
S85	**(Not display)**	000 / 001	000
S86	**(Not display)**	000 / 001	000
S87	**(Not display)**	000 / 001	000
S88	**(Not display)**	000 / 001	000
S89	**(Not display)**	000 / 001	000
S90	**(Not display)**	000 / 001	000
S91	**(Not display)**	000 / 001	000
S92	**(Not display)**	000 / 001	000
S93	**(Not display)**	000 / 001	000
S94	**(Not display)**	000 / 001	000
S95	**(Not display)**	000 / 001	000
S96	**(Not display)**	000 / 001	000
S97	**(Not display)**	000 / 001	000
S98	**(Not display)**	000 / 001	000
S99	**(Not display)**	000 / 001	000

OTHERS

Item No.	Item name	Variable range	Initial setting value		
			48P575	56P575	56P585
F01	E 1	000~255	003	004	002
F02	E 2	000~255	001	001	001
F03	**(Not display)**	000~255	127	127	127
F04	CATVMAX	000~255	001	001	001
F05	**(Not display)**	000 / 001	118	118	126
F06	**(Not display)**	000~255	048	048	112
F07	**(Not display)**	000~255	015	015	015
F08	**(Not display)**	000~255	000	000	000

Item No.	Item name	Variable range	ASPECT	
			CINEMA	OTHERS
F09	AUTOSCR1	000~015	000	000
F10	AUTOSCR2	000~015	000	000
F11	AUTOSCR3	000~015	000	000
F12	AUTOSCR4	000~015	000	000
F13	AUTOSCR5	000~015	000	000
F14	AUTOSCR6	000~015	000	000
F15	AUTOSCR7	000~015	000	000

Item No.	Item name	Variable range	Initial setting value
F16	**(Not display)**	000~127	070
F17	**(Not display)**	000 / 001	000
F18	FIX DATA	000 / 001	000
F19	**(Not display)**	000 / 001	000
F20	**(Not display)**	000~255	005
F21	**(Not display)**	000~255	002
F22	**(Not display)**	000 / 001	000
F23	**(Not display)**	000~255	000
F24	**(Not display)**	000~255	141
F25	**(Not display)**	000~255	006
F26	**(Not display)**	000~255	040
F27	**(Not display)**	000~255	040
F28	**(Not display)**	000 /001	000

Item No.	Item name	Variable range	Initial setting value
F29	**(Not display)**	000 / 001	000
F30	**(Not display)**	000 / 001	000
F31	**(Not display)**	000 / 001	000
F32	ATT V	000 / 001	000
F33	ATT U	000 / 001	000
F34	ATT C	000 / 001	000
F35	**(Not display)**	000 / 001	000
F36	**(Not display)**	000 / 001	000
F37	**(Not display)**	000 / 001	000
F38	DC1	000 / 001	000
F39	DC4	000 / 001	000
F40	DC5	000 / 001	000

Item No.	Item name	Variable range	NTSC	480i	480p	720p	1080i
F41	SS LV	000~003	000	002	002	002	002
F42	SS CP	000 / 001	000	000	000	000	000
F43	SS HDP	000~063	039	039	037	025	024

Item No.	Item name	Variable range	Initial setting value
F44	**(Not display)**	000 / 001	000
F45	**(Not display)**	000 / 001	000
F46	OUT LV.	000 / 001	000
F47	LMT BTM	000 / 001	000
F48	LMT TOP	000 / 001	000
F49	**(Not display)**	000 / 001	001
F50	**(Not display)**	000 / 001	001
F51	**(Not display)**	000~015	011
F52	**(Not display)**	000~063	055
F53	**(Not display)**	-128~+127	000
F54	**(Not display)**	000~255	015
F55	**(Not display)**	000 / 001	000
F56	**(Not display)**	000~255	188
F57	**(Not display)**	000~255	105

Item No.	Item name	Variable range	Initial setting value
F58	**(Not display)**	000~255	077
F59	**(Not display)**	000 / 001	001
F60	**(Not display)**	000 / 001	000
F61	**(Not display)**	000 / 001	001
F62	**(Not display)**	000 / 001	000
F63	**(Not display)**	-128~+127	000
F64	**(Not display)**	-128~+127	+010
F65	**(Not display)**	-128~+127	000
F66	**(Not display)**	000~007	006
F67	**(Not display)**	000~003	000
F68	**(Not display)**	000~255	126
F69	**(Not display)**	000 / 001	001
F70	**(Not display)**	000 / 001	000

4.6.2 [2.YC SEP] (All fixed)

NOTE :

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
YCM001	**(Not display)**	000 / 001	000
YCM002	**(Not display)**	000 / 001	000
YCM003	**(Not display)**	000 / 001	000
YCM004	**(Not display)**	000~003	001
YCM005	**(Not display)**	000~255	239
YCM006	**(Not display)**	000~003	001
YCM007	**(Not display)**	000~255	239
YCM008	**(Not display)**	000 / 001	000
YCM009	**(Not display)**	000~003	000
YCM010	**(Not display)**	000 / 001	000
YCM011	**(Not display)**	000 / 001	000
YCM012	**(Not display)**	000 / 001	000
YCM013	**(Not display)**	000 / 001	000
YCM014	**(Not display)**	000~003	000
YCM015	**(Not display)**	000 / 001	000
YCM016	**(Not display)**	000~003	001
YCM017	**(Not display)**	000 / 001	001
YCM018	**(Not display)**	000~003	000
YCM019	**(Not display)**	000 / 001	000
YCM020	**(Not display)**	000 / 001	000
YCM021	**(Not display)**	000~003	002
YCM022	**(Not display)**	000~007	004
YCM023	**(Not display)**	000 / 001	001
YCM024	**(Not display)**	000 / 001	000
YCM025	**(Not display)**	000~007	005
YCM026	**(Not display)**	000~015	003
YCM027	**(Not display)**	000~003	000
YCM028	**(Not display)**	000~007	003
YCM029	**(Not display)**	000~007	002
YCM030	**(Not display)**	000~003	003
YCM031	**(Not display)**	000 / 001	000
YCM032	**(Not display)**	000~003	003
YCM033	**(Not display)**	000 / 001	001
YCM034	**(Not display)**	000 / 001	000
YCM035	**(Not display)**	000~255	096
YCM036	**(Not display)**	000 / 001	001
YCM037	**(Not display)**	000~003	001
YCM038	**(Not display)**	000~127	062
YCM039	**(Not display)**	000~127	073
YCM040	**(Not display)**	000~003	002
YCM041	**(Not display)**	000~063	016
YCM042	**(Not display)**	000 / 001	000
YCM043	**(Not display)**	000 / 001	000
YCM044	**(Not display)**	000~255	241
YCM045	**(Not display)**	000 / 001	000
YCM046	**(Not display)**	000~255	165
YCM047	**(Not display)**	000 / 001	001
YCM048	**(Not display)**	000 / 001	001
YCM049	**(Not display)**	000 / 001	001
YCM050	**(Not display)**	000 / 001	001
YCM051	**(Not display)**	000 / 001	001
YCM052	**(Not display)**	000 / 001	000
YCM053	**(Not display)**	000 / 001	001
YCM054	**(Not display)**	000~003	003
YCM055	**(Not display)**	000~003	003
YCM056	**(Not display)**	000~003	000
YCM057	**(Not display)**	000 / 001	000
YCM058	**(Not display)**	000 / 001	001
YCM059	**(Not display)**	000 / 001	001
YCM060	**(Not display)**	000 / 001	000
YCM061	**(Not display)**	000 / 001	001
YCM062	**(Not display)**	000~015	001
YCM063	**(Not display)**	000~015	004
YCM064	**(Not display)**	000 / 001	000
YCM065	**(Not display)**	000~063	060
YCM066	**(Not display)**	000~063	040
YCM067	**(Not display)**	000~063	025
YCM068	**(Not display)**	000~063	012
YCM069	**(Not display)**	000~063	036
YCM070	**(Not display)**	000~063	031
YCM071	**(Not display)**	000~255	031
YCM072	**(Not display)**	000 / 001	001
YCM073	**(Not display)**	000 / 001	001
YCM074	**(Not display)**	000~063	024
YCM075	**(Not display)**	000 / 001	000
YCM076	**(Not display)**	000 / 001	001
YCM077	**(Not display)**	000~063	010
YCM078	**(Not display)**	000~063	001
YCM079	**(Not display)**	000~255	000
YCM080	**(Not display)**	000~255	000
YCM081	**(Not display)**	000~255	000
YCM082	**(Not display)**	000~255	000
YCM083	**(Not display)**	000 / 001	001
YCM084	**(Not display)**	000~063	012

Item No.	Item name	Variable range	Initial setting value
YCM085	**(Not display)**	000 / 001	000
YCM086	**(Not display)**	000 / 001	000
YCM087	**(Not display)**	000~063	028
YCM088	**(Not display)**	000 / 001	001
YCM089	**(Not display)**	000~031	000
YCM090	**(Not display)**	000~003	000
YCM091	**(Not display)**	000~015	000
YCM092	**(Not display)**	000~015	000
YCM093	**(Not display)**	000~015	002
YCM094	**(Not display)**	000~063	000
YCM095	**(Not display)**	000~255	040
YCM096	**(Not display)**	000 / 001	001
YCM097	**(Not display)**	000~063	063
YCM098	**(Not display)**	000~015	008
YCM099	**(Not display)**	000~015	005
YCM100	**(Not display)**	000~015	008
YCM101	**(Not display)**	000~015	005
YCM102	**(Not display)**	000~015	000
YCM103	**(Not display)**	000~015	002
YCM104	**(Not display)**	000~015	008
YCM105	**(Not display)**	000~015	006
YCM106	**(Not display)**	000~255	010
YCM107	**(Not display)**	000~255	032
YCM108	**(Not display)**	000~255	031
YCM109	**(Not display)**	000~255	064
YCM110	**(Not display)**	000 / 001	000
YCM111	**(Not display)**	000 / 001	001
YCM112	**(Not display)**	000 / 001	001
YCM113	**(Not display)**	000 / 001	001
YCM114	**(Not display)**	000 / 001	000
YCM115	**(Not display)**	000 / 001	001
YCM116	**(Not display)**	000 / 001	000
YCM117	**(Not display)**	000 / 001	000
YCM118	**(Not display)**	000 / 001	001
YCM119	**(Not display)**	000 / 001	000
YCM120	**(Not display)**	000 / 001	000
YCM121	**(Not display)**	000~003	003
YCM122	**(Not display)**	000 / 001	000
YCM123	**(Not display)**	000~255	026
YCM124	**(Not display)**	000 / 001	000
YCM125	**(Not display)**	000~255	025
YCM126	**(Not display)**	000 / 001	000
YCM127	**(Not display)**	000 / 001	001
YCM128	**(Not display)**	000 / 001	001
YCM129	**(Not display)**	000 / 001	001

Item No.	Item name	Variable range	Initial setting value
YCM130	**(Not display)**	000~003	001
YCM131	**(Not display)**	000~255	050
YCM132	**(Not display)**	000~255	154
YCM133	**(Not display)**	000~255	055
YCM134	**(Not display)**	000~007	001
YCM135	**(Not display)**	000~255	136
YCM136	**(Not display)**	000 / 001	000
YCM137	**(Not display)**	000 / 001	001
YCM138	**(Not display)**	000~007	003
YCM139	**(Not display)**	000~255	089
YCM140	**(Not display)**	000~007	000
YCM141	**(Not display)**	000~255	252
YCM142	**(Not display)**	000 / 001	001
YCM143	**(Not display)**	000~007	005
YCM144	**(Not display)**	000~255	128
YCM145	**(Not display)**	000 / 001	000
YCM146	**(Not display)**	000 / 001	001
YCM147	**(Not display)**	000 / 001	001
YCM148	**(Not display)**	000 / 001	001
YCM149	**(Not display)**	000 / 001	000
YCM150	**(Not display)**	000 / 001	000
YCM151	**(Not display)**	000~255	136
YCM152	**(Not display)**	000 / 001	001
YCM153	**(Not display)**	000 / 001	001
YCM154	**(Not display)**	000 / 001	001
YCM155	**(Not display)**	000~003	000
YCM156	**(Not display)**	000~015	015
YCM157	**(Not display)**	000~015	004
YCM158	**(Not display)**	000 / 001	001
YCM159	**(Not display)**	000~127	004
YCM160	**(Not display)**	000 / 001	000
YCM161	**(Not display)**	000~031	000
YCM162	**(Not display)**	000 / 001	000
YCM163	**(Not display)**	000~015	003
YCM164	**(Not display)**	000~007	002
YCM165	**(Not display)**	000~031	016
YCM166	**(Not display)**	000~255	235
YCM167	**(Not display)**	000~003	000
YCM168	**(Not display)**	000~063	000
YCM169	**(Not display)**	000~015	003
YCM170	**(Not display)**	000~015	003
YCM171	**(Not display)**	000~007	000
YCM172	**(Not display)**	000~255	096
YCM173	**(Not display)**	000~007	003
YCM174	**(Not display)**	000~255	056

Item No.	Item name	Variable range	Initial setting value
YCM175	**(Not display)**	000 / 001	000
YCM176	**(Not display)**	000 / 001	000
YCM177	**(Not display)**	000~255	022
YCM178	**(Not display)**	000 / 001	001
YCM179	**(Not display)**	000 / 001	000
YCM180	**(Not display)**	000~007	004
YCM181	**(Not display)**	000~003	001
YCM182	**(Not display)**	000~003	001
YCM183	**(Not display)**	000~003	001
YCM184	**(Not display)**	000~003	001
YCM185	**(Not display)**	000~255	000

Item No.	Item name	Variable range	Initial setting value
YCS001	**(Not display)**	000 / 001	000
YCS002	**(Not display)**	000 / 001	000
YCS003	**(Not display)**	000 / 001	000
YCS004	**(Not display)**	000~003	001
YCS005	**(Not display)**	000~255	239
YCS006	**(Not display)**	000~003	001
YCS007	**(Not display)**	000~255	239
YCS008	**(Not display)**	000 / 001	000
YCS009	**(Not display)**	000~003	000
YCS010	**(Not display)**	000 / 001	000
YCS011	**(Not display)**	000 / 001	000
YCS012	**(Not display)**	000 / 001	000
YCS013	**(Not display)**	000 / 001	000
YCS014	**(Not display)**	000~003	000
YCS015	**(Not display)**	000 / 001	000
YCS016	**(Not display)**	000~003	001
YCS017	**(Not display)**	000 / 001	001
YCS018	**(Not display)**	000~003	000
YCS019	**(Not display)**	000~001	000
YCS020	**(Not display)**	000~001	000
YCS021	**(Not display)**	000~003	002
YCS022	**(Not display)**	000~007	004
YCS023	**(Not display)**	000 / 001	001
YCS024	**(Not display)**	000 / 001	000
YCS025	**(Not display)**	000~015	005
YCS026	**(Not display)**	000~015	003
YCS027	**(Not display)**	000~003	000
YCS028	**(Not display)**	000~007	004
YCS029	**(Not display)**	000~007	006
YCS030	**(Not display)**	000~003	001
YCS031	**(Not display)**	000 / 001	000
YCS032	**(Not display)**	000~003	003

Item No.	Item name	Variable range	Initial setting value
YCS033	**(Not display)**	000 / 001	001
YCS034	**(Not display)**	000 / 001	000
YCS035	**(Not display)**	000~255	096
YCS036	**(Not display)**	000 / 001	001
YCS037	**(Not display)**	000~003	001
YCS038	**(Not display)**	000~127	062
YCS039	**(Not display)**	000~127	073
YCS040	**(Not display)**	000~003	002
YCS041	**(Not display)**	000~063	016
YCS042	**(Not display)**	000 / 001	000
YCS043	**(Not display)**	000 / 001	000
YCS044	**(Not display)**	000~255	164
YCS045	**(Not display)**	000 / 001	000
YCS046	**(Not display)**	000~255	110
YCS047	**(Not display)**	000 / 001	001
YCS048	**(Not display)**	000~031	000
YCS049	**(Not display)**	000~003	000
YCS050	**(Not display)**	000~015	000
YCS051	**(Not display)**	000~015	008
YCS052	**(Not display)**	000~015	001
YCS053	**(Not display)**	000~063	030
YCS054	**(Not display)**	000~255	030
YCS055	**(Not display)**	000 / 001	000
YCS056	**(Not display)**	000~063	016
YCS057	**(Not display)**	000~015	008
YCS058	**(Not display)**	000~015	005
YCS059	**(Not display)**	000~015	008
YCS060	**(Not display)**	000~015	005
YCS061	**(Not display)**	000~015	000
YCS062	**(Not display)**	000~015	002
YCS063	**(Not display)**	000~015	008
YCS064	**(Not display)**	000~015	006
YCS065	**(Not display)**	000~255	010
YCS066	**(Not display)**	000~255	032
YCS067	**(Not display)**	000~255	031
YCS068	**(Not display)**	000~255	064
YCS069	**(Not display)**	000 / 001	000
YCS070	**(Not display)**	000 / 001	001
YCS071	**(Not display)**	000 / 001	001
YCS072	**(Not display)**	000 / 001	001
YCS073	**(Not display)**	000 / 001	000
YCS074	**(Not display)**	000 / 001	001
YCS075	**(Not display)**	000 / 001	000
YCS076	**(Not display)**	000 / 001	000
YCS077	**(Not display)**	000 / 001	001

Item No.	Item name	Variable range	Initial setting value
YCS078	**(Not display)**	000 / 001	000
YCS079	**(Not display)**	000 / 001	000
YCS080	**(Not display)**	000~003	003
YCS081	**(Not display)**	000 / 001	000
YCS082	**(Not display)**	000~255	000
YCS083	**(Not display)**	000~255	000
YCS084	**(Not display)**	000~007	000
YCS085	**(Not display)**	000~255	014
YCS086	**(Not display)**	000 / 001	000
YCS087	**(Not display)**	000 / 001	001
YCS088	**(Not display)**	000 / 001	000
YCS089	**(Not display)**	000 / 001	000
YCS090	**(Not display)**	000~255	136
YCS091	**(Not display)**	000 / 001	001
YCS092	**(Not display)**	000 / 001	001
YCS093	**(Not display)**	000 / 001	001
YCS094	**(Not display)**	000~003	000
YCS095	**(Not display)**	000~015	015
YCS096	**(Not display)**	000~015	004
YCS097	**(Not display)**	000 / 001	001
YCS098	**(Not display)**	000~127	007
YCS099	**(Not display)**	000~031	000
YCS100	**(Not display)**	000 / 001	000
YCS101	**(Not display)**	000~015	003
YCS102	**(Not display)**	000~007	002
YCS103	**(Not display)**	000~031	016
YCS104	**(Not display)**	000~255	235
YCS105	**(Not display)**	000~003	000
YCS106	**(Not display)**	000~063	000
YCS107	**(Not display)**	000~015	003
YCS108	**(Not display)**	000~015	003
YCS109	**(Not display)**	000 / 001	000
YCS110	**(Not display)**	000~003	001
YCS111	**(Not display)**	000~003	001
YCS112	**(Not display)**	000~003	001
YCS113	**(Not display)**	000~003	001
YCS114	**(Not display)**	000~255	000

4.6.3 [3.WHITE BALANCE]

NOTE :

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
BR	**(Not display)**	000~255	118
DRV R	**(Not display)**	000~255	089
DRV B	**(Not display)**	000~255	108
CUT R	**(Not display)**	000~255	247
CUT G	**(Not display)**	000~255	244
CUT B	**(Not display)**	000~255	226

4.6.4 [6.CONVER A]

Item No.	Item name	Variable range	Initial setting value
CPA01	FINE OFF	0 / 1	0
CPA02	TPOH	0~4095	114
CPA03	TPOV LINE	0~255	017
CPA04	TPOV OFST	0~7	0
CPA05	FINEP	0~4095	1245
CPA06	STARTLIN A	0~127	56
CPA07	STARTLIN B	-7~7	-1
CPA08	CAU H2	0~15	0
CPA09	COARS OFST	-511~511	-50
CPA10	V1OFSTA	-511~511	7
CPA11	V1OFSTB	-31~31	0

Item No.	Item name	Variable range	Initial setting value		
			GREEN	RED	BLUE
CCA01	C H CENT	-512~511	0	-240	395
CCA02	C H SIZE	-512~511	-27	-54	16
CCA03	C H LIN	-512~511	-96	240	-348
CCA04	C H SKEW	-512~511	0	0	-10
CCA05	C EW PIN	-512~511	-91	-26	-17
CCA06	C H BOW	-512~511	0	-30	21
CCA07	C V CENT	-512~511	-19	8	12
CCA08	C V SKEW	-512~511	0	0	4
CCA09	C V SIZE	-512~511	-108	-77	-105
CCA10	C V LIN	-512~511	15	12	8
CCA11	C V KEY	-512~511	0	114	-77
CCA12	C TB PIN	-512~511	230	153	230

Item No.	Item name	Variable range	Initial setting value
CDA01	DF DC	-512~511	0
CDA02	DF H1	-512~511	0
CDA03	DF H2	-512~511	0
CDA04	DF V1	-512~511	0
CDA05	DF V2	-512~511	0
CDA06	DF V1H1	-512~511	0
CDA07	DF V2H2	-512~511	0

Item No.	Item name	Variable range	Initial setting value
CBA01	ADD RATIO	0~3	0
CBA02	INTERLACE	0 / 1	0
CBA03	CKOUT FRE	0~3	0
CBA04	DF MUTE	0 / 1	0
CBA05	ODD LEVEL	0 / 1	1
CBA06	HRET SAMPL	0~3	2
CBA07	HRETS	0 / 1	0
CBA08	HRET TIME	-512~511	0
CBA09	H1 CENT RE	0 / 1	1
CBA10	DF CENT RE	0 / 1	0
CBA11	VIPOL	0~127	68
CBA12	V1CENTUP	0~4095	466
CBA13	RVCLMP STR	0~15	0
CBA14	RVCLMPTER	0~15	0
CBA15	RVCLMP CEN	0 / 1	0
CBA16	GVCLMP STR	0~15	0
CBA17	GVCLMPTER	0~15	0
CBA18	GVCLMP CEN	0 / 1	0
CBA19	BVCLMP STR	0~15	0
CBA20	BVCLMPTER	0~15	0
CBA21	BVCLMP CEN	0 / 1	0
CBA22	RHCLMP STR	0~15	0
CBA23	RHCLMPTER	0~15	0
CBA24	RHCLMP CEN	0 / 1	0
CBA25	GHCLMP STR	0~15	0
CBA26	GHCLMPTER	0~15	0
CBA27	GHCLMP CEN	0 / 1	0
CBA28	BHCLMP STR	0~15	0
CBA29	BHCLMPTER	0~15	0
CBA30	BHCLMP CEN	0 / 1	0
CBA31	PATTERN H	0~3	1
CBA32	PATTERN W	0~3	1
CBA33	HATCH PAT	0~15	1
CBA34	CURS SPACE	0~7	1
CBA35	HATCH COL	0~7	2
CBA36	BORDER COL	0~7	0

Item No.	Item name	Variable range	Initial setting value
CBA37	CURSOL COL	0~7	0
CBA38	CROSS COL	0~7	0
CBA39	SQUARE COL	0~7	0
CBA40	XCPOS VPOS	0~31	16
CBA41	XCPOS HPOS	0~31	16
CBA42	CURSOL PAT	0~3	0
CBA43	MTPH1	-32768~32767	0
CBA44	MTPH2	-32768~32767	0
CBA45	MTPV1	-32768~32767	0
CBA46	MTPV2	-32768~32767	0
CBA47	YSP	-7~7	0
CBA48	BL1POSV	0~2047	0
CBA49	BL1POSH	0~4095	0
CBA50	BL2POSV	0~2047	0
CBA51	BL2POSH	0~4095	0
CBA52	XPOSV	0~2047	580
CBA53	XPOSH	0~4095	1012
CBA54	XLLENV	0~2047	276
CBA55	XLLENH	0~4095	450
CBA56	SQ1POSV	0~2047	30
CBA57	SQ1POSH	0~4095	1024
CBA58	SQ1VSIZE	0~255	128
CBA59	SQ1HSIZE	0~255	100
CBA60	SQ2POSV	0~2047	594
CBA61	SQ2POSH	0~4095	282
CBA62	SQ2VSIZE	0~255	100
CBA63	SQ2HSIZE	0~255	110
CBA64	SQ3POSV	0~2047	1008
CBA65	SQ3POSH	0~4095	1024
CBA66	SQ3VSIZE	0~255	160
CBA67	SQ3HSIZE	0~255	100
CBA68	SQ4POSV	0~2047	594
CBA69	SQ4POSH	0~4095	1612
CBA70	SQ4VSIZE	0~255	100
CBA71	SQ4HSIZE	0~255	116
CBA72	SQ5POSV	0~2047	547
CBA73	SQ5POSH	0~4095	1013
CBA74	SQ5VSIZE	0~255	70
CBA75	SQ5HSIZE	0~255	4
CBA76	SQ6POSV	0~2047	580
CBA77	SQ6POSH	0~4095	984
CBA78	SQ6VSIZE	0~255	4
CBA79	SQ6HSIZE	0~255	64
CBA80	SQ7POSV	0~2047	456
CBA81	SQ7POSH	0~4095	888

Item No.	Item name	Variable range	Initial setting value
CBA82	SQ7VSIZE	0~255	255
CBA83	SQ7HSIZE	0~255	255
CBA84	SQ8POSV	0~2047	0
CBA85	SQ8POSH	0~4095	0
CBA86	SQ8VSIZE	0~255	0
CBA87	SQ8HSIZE	0~255	0
CBA88	ODEVP	0~3072	1584
CBA89	DFP	0~4095	0
CBA90	PWMH1P	0~4095	0
CBA91	PWMH1W	0~4095	0
CBA92	PWMV1P	0~1023	0
CBA93	PWMV1W	0~1023	1
CBA94	PWMH2W	0~4095	0

4.6.5 [8.IP] (All fixed)

NOTE :

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
IPA001	**(Not display)**	000~0FF	0C7
IPA002	**(Not display)**	000~0FF	000
IPA003	**(Not display)**	000~0FF	000
IPA004	**(Not display)**	000~0FF	08A
IPA005	**(Not display)**	000~01F	001
IPA006	**(Not display)**	000~0FF	037
IPA007	**(Not display)**	000~00F	000
IPA008	**(Not display)**	000~0FF	000
IPA009	**(Not display)**	000~00F	000
IPA010	**(Not display)**	000~0FF	080
IPA011	**(Not display)**	000~00F	002
IPA012	**(Not display)**	000~0FF	02B
IPA013	**(Not display)**	000~00F	002
IPA014	**(Not display)**	000~0FF	000
IPA015	**(Not display)**	000~00F	002
IPA016	**(Not display)**	000~0FF	080
IPA017	**(Not display)**	000~00F	001
IPA018	**(Not display)**	000~0FF	000
IPA019	**(Not display)**	000~00F	001
IPA020	**(Not display)**	000~0FF	080
IPA021	**(Not display)**	000~00F	016
IPA022	**(Not display)**	000~0FF	023
IPA023	**(Not display)**	000~00F	000
IPA024	**(Not display)**	000 / 001	001
IPA025	**(Not display)**	000 / 001	001
IPA026	**(Not display)**	000~03F	01F
IPA027	**(Not display)**	000~003	000
IPA028	**(Not display)**	000~03F	008
IPA029	**(Not display)**	000~03F	02B
IPA030	**(Not display)**	000~00F	005
IPA031	**(Not display)**	000~007	001
IPA032	**(Not display)**	000~03F	010
IPA033	**(Not display)**	000 / 001	001
IPA034	**(Not display)**	000~03F	039
IPA035	**(Not display)**	000 / 001	001
IPA036	**(Not display)**	000~03F	00E
IPA037	**(Not display)**	000~03F	02E
IPA038	**(Not display)**	000~03F	01E
IPA039	**(Not display)**	000~003	002
IPA040	**(Not display)**	000~003	003
IPA041	**(Not display)**	000~00F	008
IPA042	**(Not display)**	000~03F	020

4.6.6 [9.DSD] (All fixed)

NOTE :

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
DSA001	**(Not display)**	000~03F	01F
DSA002	**(Not display)**	000~03F	012
DSA003	**(Not display)**	000~03F	02E
DSA004	**(Not display)**	000~003	000
DSA005	**(Not display)**	000 / 001	000
DSA006	**(Not display)**	000~003	001
DSA007	**(Not display)**	000~03F	010
DSA008	**(Not display)**	000 / 001	001
DSA009	**(Not display)**	000~03F	010
DSA010	**(Not display)**	000 / 001	001
DSA011	**(Not display)**	000 / 001	001
DSA012	**(Not display)**	000~03F	006
DSA013	**(Not display)**	000~03F	010
DSA014	**(Not display)**	000~03F	020
DSA015	**(Not display)**	000~003	001
DSA016	**(Not display)**	000 / 001	001
DSA017	**(Not display)**	000~003	000

Item No.	Item name	Variable range	Initial setting value
DSA018	**(Not display)**	000~03F	000
DSA019	**(Not display)**	000 / 001	001
DSA020	**(Not display)**	000~03F	01D
DSA021	**(Not display)**	000 / 001	001
DSA022	**(Not display)**	000~03F	00C
DSA023	**(Not display)**	000 / 001	001
DSA024	**(Not display)**	000~03F	006
DSA025	**(Not display)**	000/001	001
DSA026	**(Not display)**	000~03F	02F
DSA027	**(Not display)**	000 / 001	001
DSA028	**(Not display)**	000~03F	007
DSA029	**(Not display)**	000 / 001	001
DSA030	**(Not display)**	000 / 001	001
DSA031	**(Not display)**	000~03F	023
DSA032	**(Not display)**	000 / 001	000
DSA033	**(Not display)**	000~003	000
DSA034	**(Not display)**	000~03F	008
DSA035	**(Not display)**	000 / 001	001
DSA036	**(Not display)**	000 / 001	001
DSA037	**(Not display)**	000~03F	023
DSA038	**(Not display)**	000 / 001	000
DSA039	**(Not display)**	000~003	000
DSA040	**(Not display)**	000~03F	008
DSA041	**(Not display)**	000 / 001	001
DSA042	**(Not display)**	000 / 001	001
DSA043	**(Not display)**	000 / 001	001
DSA044	**(Not display)**	000~03F	011
DSA045	**(Not display)**	000 / 001	000
DSA046	**(Not display)**	000~003	002
DSA047	**(Not display)**	000~03F	005
DSA048	**(Not display)**	000 / 001	001
DSA049	**(Not display)**	000~03F	000
DSA050	**(Not display)**	000 / 001	001
DSA051	**(Not display)**	000~03F	00B
DSA052	**(Not display)**	000 / 001	001
DSA053	**(Not display)**	000 / 001	001

Item No.	Item name	Variable range	Initial setting value
DSB001	**(Not display)**	**(Not display)**	01F
DSB002	**(Not display)**	**(Not display)**	012
DSB003	**(Not display)**	**(Not display)**	02E
DSB004	**(Not display)**	**(Not display)**	000
DSB005	**(Not display)**	**(Not display)**	000
DSB006	**(Not display)**	**(Not display)**	001
DSB007	**(Not display)**	**(Not display)**	011
DSB008	**(Not display)**	**(Not display)**	001
DSB009	**(Not display)**	**(Not display)**	010
DSB010	**(Not display)**	**(Not display)**	001
DSB011	**(Not display)**	**(Not display)**	001
DSB012	**(Not display)**	**(Not display)**	008
DSB013	**(Not display)**	**(Not display)**	012
DSB014	**(Not display)**	**(Not display)**	025
DSB015	**(Not display)**	**(Not display)**	001
DSB016	**(Not display)**	**(Not display)**	001
DSB017	**(Not display)**	**(Not display)**	001
DSB018	**(Not display)**	**(Not display)**	000
DSB019	**(Not display)**	**(Not display)**	001
DSB020	**(Not display)**	**(Not display)**	010
DSB021	**(Not display)**	**(Not display)**	001
DSB022	**(Not display)**	**(Not display)**	00C
DSB023	**(Not display)**	**(Not display)**	001
DSB024	**(Not display)**	**(Not display)**	005
DSB025	**(Not display)**	**(Not display)**	001
DSB026	**(Not display)**	**(Not display)**	02F
DSB027	**(Not display)**	**(Not display)**	001
DSB028	**(Not display)**	**(Not display)**	007
DSB029	**(Not display)**	**(Not display)**	001
DSB030	**(Not display)**	**(Not display)**	001
DSB031	**(Not display)**	**(Not display)**	023
DSB032	**(Not display)**	**(Not display)**	000
DSB033	**(Not display)**	**(Not display)**	000
DSB034	**(Not display)**	**(Not display)**	008
DSB035	**(Not display)**	**(Not display)**	001
DSB036	**(Not display)**	**(Not display)**	001
DSB037	**(Not display)**	**(Not display)**	023
DSB038	**(Not display)**	**(Not display)**	000
DSB039	**(Not display)**	**(Not display)**	000
DSB040	**(Not display)**	**(Not display)**	008
DSB041	**(Not display)**	**(Not display)**	001
DSB042	**(Not display)**	**(Not display)**	001
DSB043	**(Not display)**	**(Not display)**	001
DSB044	**(Not display)**	**(Not display)**	00E
DSB045	**(Not display)**	**(Not display)**	000

Item No.	Item name	Variable range	Initial setting value
DSB046	**(Not display)**	**(Not display)**	002
DSB047	**(Not display)**	**(Not display)**	005
DSB048	**(Not display)**	**(Not display)**	001
DSB049	**(Not display)**	**(Not display)**	000
DSB050	**(Not display)**	**(Not display)**	001
DSB051	**(Not display)**	**(Not display)**	010
DSB052	**(Not display)**	**(Not display)**	001
DSB053	**(Not display)**	**(Not display)**	001

Item No.	Item name	Variable range	Initial setting value
DSC001	**(Not display)**	000~00F	008
DSC002	**(Not display)**	000~0FF	098
DSC003	**(Not display)**	000~03F	01F
DSC004	**(Not display)**	000~003	000
DSC005	**(Not display)**	000~0FF	000
DSC006	**(Not display)**	000 / 001	000
DSC007	**(Not display)**	000 / 001	000
DSC008	**(Not display)**	000 / 001	000
DSC009	**(Not display)**	000~00F	000
DSC010	**(Not display)**	000~0FF	000
DSC011	**(Not display)**	000~00F	00F
DSC012	**(Not display)**	000~0FF	0FF
DSC013	**(Not display)**	000~00F	001
DSC014	**(Not display)**	000~0FF	0E8
DSC015	**(Not display)**	000~00F	005
DSC016	**(Not display)**	000~0FF	018
DSC017	**(Not display)**	000~00F	000
DSC018	**(Not display)**	000~0FF	000
DSC019	**(Not display)**	000~00F	000
DSC020	**(Not display)**	000~0FF	000
DSC021	**(Not display)**	000~00F	000
DSC022	**(Not display)**	000~0FF	000
DSC023	**(Not display)**	000~00F	000
DSC024	**(Not display)**	000~0FF	000
DSC025	**(Not display)**	000~00F	000
DSC026	**(Not display)**	000~0FF	080
DSC027	**(Not display)**	000~00F	000
DSC028	**(Not display)**	000~0FF	040
DSC029	**(Not display)**	000~00F	005
DSC030	**(Not display)**	000~0FF	040
DSC031	**(Not display)**	000~00F	000
DSC032	**(Not display)**	000~0FF	0C0
DSC033	**(Not display)**	000~00F	000
DSC034	**(Not display)**	000~0FF	080
DSC035	**(Not display)**	000~00F	000

Item No.	Item name	Variable range	Initial setting value
DSC036	**(Not display)**	000~0FF	040
DSC037	**(Not display)**	000~00F	005
DSC038	**(Not display)**	000~0FF	040
DSC039	**(Not display)**	000~00F	000
DSC040	**(Not display)**	000~0FF	0C0
DSC041	**(Not display)**	000~00F	004
DSC042	**(Not display)**	000~0FF	075
DSC043	**(Not display)**	000 / 001	000
DSC044	**(Not display)**	000 / 001	000

Item No.	Item name	Variable range	Initial setting value
DSD001	**(Not display)**	000~255	001
DSD002	**(Not display)**	000~255	002
DSD003	**(Not display)**	000~255	001
DSD004	**(Not display)**	000~255	002
DSD005	**(Not display)**	000~255	001
DSD006	**(Not display)**	000~255	002
DSD007	**(Not display)**	000~255	001
DSD008	**(Not display)**	000~255	002
DSD009	**(Not display)**	-128~127	+001
DSD010	**(Not display)**	-128~127	+001
DSD011	**(Not display)**	-128~127	+002
DSD012	**(Not display)**	-128~127	+002
DSD013	**(Not display)**	-128~127	-001
DSD014	**(Not display)**	-128~127	+001
DSD015	**(Not display)**	000~0FF	001
DSD016	**(Not display)**	000~0FF	001
DSD017	**(Not display)**	000~0FF	001

4.6.7 [0.HDMI] (All fixed)

NOTE :

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
HDM001	**(Not display)**	000 / 001	000
HDM002	**(Not display)**	000 / 001	000
HDM003	**(Not display)**	000 / 001	000
HDM004	**(Not display)**	000 / 001	000
HDM005	**(Not display)**	000 / 001	001
HDM006	**(Not display)**	000~003	000
HDM007	**(Not display)**	000 / 001	000
HDM008	**(Not display)**	000 / 001	000

Item No.	Item name	Variable range	Initial setting value
HDM009	**(Not display)**	000 / 001	000
HDM010	**(Not display)**	000 / 001	000
HDM011	**(Not display)**	000 / 001	000
HDM012	**(Not display)**	000 / 001	000
HDM013	**(Not display)**	000 / 001	001
HDM014	**(Not display)**	000 / 001	000
HDM015	**(Not display)**	000 / 001	000
HDM016	**(Not display)**	000~255	000
HDM017	**(Not display)**	000~255	000
HDM018	**(Not display)**	000~255	000
HDM019	**(Not display)**	000 / 001	001
HDM020	**(Not display)**	000~255	000
HDM021	**(Not display)**	000~007	002
HDM022	**(Not display)**	000~063	006
HDM023	**(Not display)**	000~063	006
HDM024	**(Not display)**	000~063	006
HDM025	**(Not display)**	000 / 001	000
HDM026	**(Not display)**	000~003	000
HDM027	**(Not display)**	000~255	212
HDM028	**(Not display)**	000~003	000
HDM029	**(Not display)**	000~255	192
HDM030	**(Not display)**	000~003	000
HDM031	**(Not display)**	000~255	212
HDM032	**(Not display)**	000~003	000
HDM033	**(Not display)**	000~255	191
HDM034	**(Not display)**	000~003	001
HDM035	**(Not display)**	000~255	012
HDM036	**(Not display)**	000~255	026
HDM037	**(Not display)**	000~255	001
HDM038	**(Not display)**	000~255	012
HDM039	**(Not display)**	000 / 001	001
HDM040	**(Not display)**	000 / 001	001
HDM041	**(Not display)**	000 / 001	000
HDM042	**(Not display)**	000~255	001
HDM043	**(Not display)**	000~007	003
HDM044	**(Not display)**	000~003	000
HDM045	**(Not display)**	000~003	000
HDM046	**(Not display)**	000 / 001	001
HDM047	**(Not display)**	000~015	007
HDM048	**(Not display)**	000~255	000
HDM049	**(Not display)**	000~255	000
HDM050	**(Not display)**	000~015	000
HDM051	**(Not display)**	000 / 001	000
HDM052	**(Not display)**	000 / 001	000
HDM053	**(Not display)**	000 / 001	000

Item No.	Item name	Variable range	Initial setting value
HDM054	**(Not display)**	000 / 001	000
HDM055	**(Not display)**	000 / 001	000
HDM056	**(Not display)**	000 / 001	000
HDM057	**(Not display)**	000 / 001	001
HDM058	**(Not display)**	000 / 001	000
HDM059	**(Not display)**	000 / 001	001
HDM060	**(Not display)**	000 / 001	000
HDM061	**(Not display)**	000 / 001	001
HDM062	**(Not display)**	000 / 001	001
HDM063	**(Not display)**	000 / 001	000
HDM064	**(Not display)**	000 / 001	000
HDM065	**(Not display)**	000 / 001	001
HDM066	**(Not display)**	000 / 001	000
HDM067	**(Not display)**	000 / 001	001
HDM068	**(Not display)**	000~031	004
HDM069	**(Not display)**	000 / 001	000
HDM070	**(Not display)**	000 / 001	001
HDM071	**(Not display)**	000 / 001	000
HDM072	**(Not display)**	000 / 001	000
HDM073	**(Not display)**	000 / 001	000
HDM074	**(Not display)**	000~031	008
HDM075	**(Not display)**	000 / 001	001
HDM076	**(Not display)**	000 / 001	001
HDM077	**(Not display)**	000 / 001	001
HDM078	**(Not display)**	000 / 001	001
HDM079	**(Not display)**	000 / 001	001
HDM080	**(Not display)**	000 / 001	001

Item No.	Item name	Variable range	Initial setting value
RHD001	**(Not display)**	**(Not display)**	001
RHD002	**(Not display)**	**(Not display)**	000
RHD003	**(Not display)**	**(Not display)**	042
RHD004	**(Not display)**	**(Not display)**	099
RHD005	**(Not display)**	**(Not display)**	000
RHD006	**(Not display)**	**(Not display)**	000
RHD007	**(Not display)**	**(Not display)**	0B7
RHD008	**(Not display)**	**(Not display)**	0FF
RHD009	**(Not display)**	**(Not display)**	0FF
RHD010	**(Not display)**	**(Not display)**	0FE
RHD011	**(Not display)**	**(Not display)**	0FF
RHD012	**(Not display)**	**(Not display)**	000
RHD013	**(Not display)**	**(Not display)**	0FB
RHD014	**(Not display)**	**(Not display)**	0FF
RHD015	**(Not display)**	**(Not display)**	0E3
RHD016	**(Not display)**	**(Not display)**	0FF

Item No.	Item name	Variable range	Initial setting value
RHD017	(Not display)	(Not display)	0FF
RHD018	(Not display)	(Not display)	0DE
RHD019	(Not display)	(Not display)	0FF
RHD020	(Not display)	(Not display)	0FB
RHD021	(Not display)	(Not display)	0FE
RHD022	(Not display)	(Not display)	0DF
RHD023	(Not display)	(Not display)	0FF
RHD024	(Not display)	(Not display)	0F7
RHD025	(Not display)	(Not display)	0B3
RHD026	(Not display)	(Not display)	0E7
RHD027	(Not display)	(Not display)	000
RHD028	(Not display)	(Not display)	000
RHD029	(Not display)	(Not display)	000
RHD030	(Not display)	(Not display)	000
RHD031	(Not display)	(Not display)	000
RHD032	(Not display)	(Not display)	000
RHD033	(Not display)	(Not display)	0E0
RHD034	(Not display)	(Not display)	001
RHD035	(Not display)	(Not display)	023
RHD036	(Not display)	(Not display)	00A
RHD037	(Not display)	(Not display)	000
RHD038	(Not display)	(Not display)	000
RHD039	(Not display)	(Not display)	000
RHD040	(Not display)	(Not display)	000
RHD041	(Not display)	(Not display)	000
RHD042	(Not display)	(Not display)	020
RHD043	(Not display)	(Not display)	000
RHD044	(Not display)	(Not display)	000
RHD045	(Not display)	(Not display)	000
RHD046	(Not display)	(Not display)	000
RHD047	(Not display)	(Not display)	00C
RHD048	(Not display)	(Not display)	000
RHD049	(Not display)	(Not display)	068
RHD050	(Not display)	(Not display)	03C
RHD051	(Not display)	(Not display)	001
RHD052	(Not display)	(Not display)	008
RHD053	(Not display)	(Not display)	004
RHD054	(Not display)	(Not display)	000
RHD055	(Not display)	(Not display)	000
RHD056	(Not display)	(Not display)	000
RHD057	(Not display)	(Not display)	000
RHD058	(Not display)	(Not display)	000
RHD059	(Not display)	(Not display)	00B
RHD060	(Not display)	(Not display)	002
RHD061	(Not display)	(Not display)	000

Item No.	Item name	Variable range	Initial setting value
RHD062	(Not display)	(Not display)	000
RHD063	(Not display)	(Not display)	000
RHD064	(Not display)	(Not display)	000
RHD065	(Not display)	(Not display)	000
RHD066	(Not display)	(Not display)	000
RHD067	(Not display)	(Not display)	000
RHD068	(Not display)	(Not display)	000
RHD069	(Not display)	(Not display)	000
RHD070	(Not display)	(Not display)	000
RHD071	(Not display)	(Not display)	000
RHD072	(Not display)	(Not display)	000
RHD073	(Not display)	(Not display)	000
RHD074	(Not display)	(Not display)	000
RHD075	(Not display)	(Not display)	000
RHD076	(Not display)	(Not display)	000
RHD077	(Not display)	(Not display)	000
RHD078	(Not display)	(Not display)	000
RHD079	(Not display)	(Not display)	000
RHD080	(Not display)	(Not display)	000
RHD081	(Not display)	(Not display)	000
RHD082	(Not display)	(Not display)	000
RHD083	(Not display)	(Not display)	000
RHD084	(Not display)	(Not display)	000
RHD085	(Not display)	(Not display)	000
RHD086	(Not display)	(Not display)	000
RHD087	(Not display)	(Not display)	000
RHD088	(Not display)	(Not display)	000
RHD089	(Not display)	(Not display)	000
RHD090	(Not display)	(Not display)	000
RHD091	(Not display)	(Not display)	000
RHD092	(Not display)	(Not display)	000
RHD093	(Not display)	(Not display)	000
RHD094	(Not display)	(Not display)	000
RHD095	(Not display)	(Not display)	000
RHD096	(Not display)	(Not display)	000
RHD097	(Not display)	(Not display)	000
RHD098	(Not display)	(Not display)	000
RHD099	(Not display)	(Not display)	000
RHD100	(Not display)	(Not display)	000
RHD101	(Not display)	(Not display)	000
RHD102	(Not display)	(Not display)	000
RHD103	(Not display)	(Not display)	000
RHD104	(Not display)	(Not display)	000
RHD105	(Not display)	(Not display)	000
RHD106	(Not display)	(Not display)	000

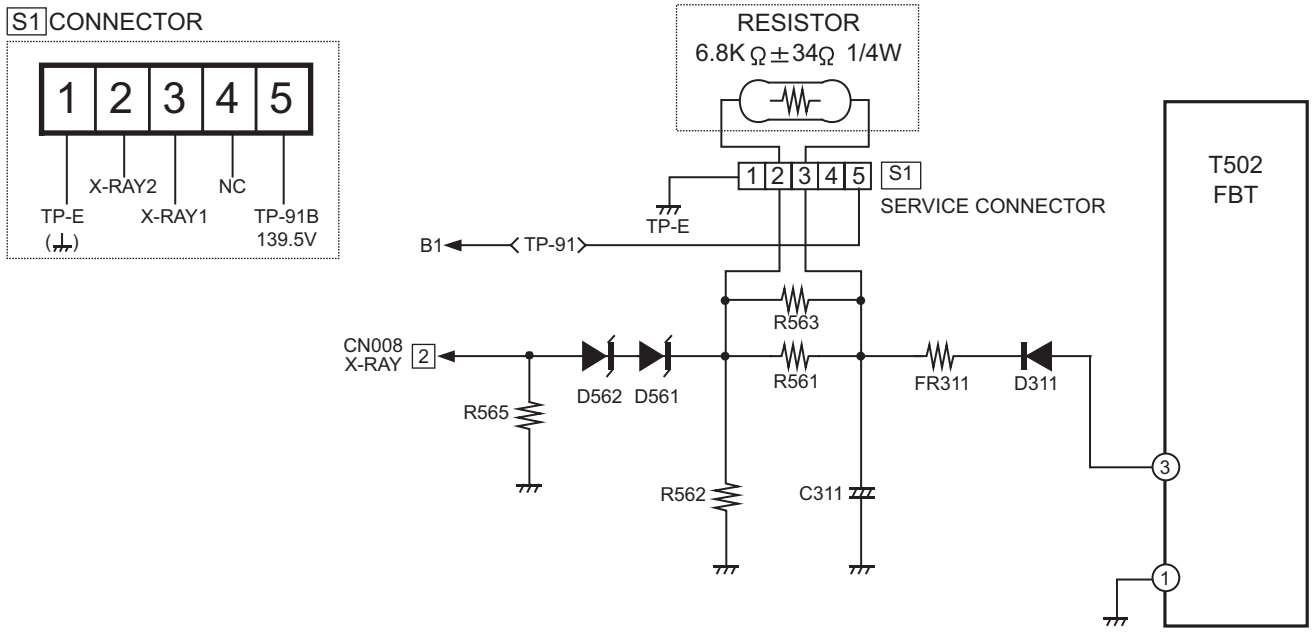
Item No.	Item name	Variable range	Initial setting value
RHD107	**(Not display)**	**(Not display)**	000
RHD108	**(Not display)**	**(Not display)**	000
RHD109	**(Not display)**	**(Not display)**	000
RHD110	**(Not display)**	**(Not display)**	000
RHD111	**(Not display)**	**(Not display)**	000
RHD112	**(Not display)**	**(Not display)**	000
RHD113	**(Not display)**	**(Not display)**	000
RHD114	**(Not display)**	**(Not display)**	000
RHD115	**(Not display)**	**(Not display)**	000
RHD116	**(Not display)**	**(Not display)**	000
RHD117	**(Not display)**	**(Not display)**	000
RHD118	**(Not display)**	**(Not display)**	000
RHD119	**(Not display)**	**(Not display)**	000
RHD120	**(Not display)**	**(Not display)**	000
RHD121	**(Not display)**	**(Not display)**	000
RHD122	**(Not display)**	**(Not display)**	000
RHD123	**(Not display)**	**(Not display)**	000
RHD124	**(Not display)**	**(Not display)**	000
RHD125	**(Not display)**	**(Not display)**	000
RHD126	**(Not display)**	**(Not display)**	000
RHD127	**(Not display)**	**(Not display)**	000
RHD128	**(Not display)**	**(Not display)**	000
RHD129	**(Not display)**	**(Not display)**	000
RHD130	**(Not display)**	**(Not display)**	000
RHD131	**(Not display)**	**(Not display)**	000
RHD132	**(Not display)**	**(Not display)**	000
RHD133	**(Not display)**	**(Not display)**	000
RHD134	**(Not display)**	**(Not display)**	000
RHD135	**(Not display)**	**(Not display)**	000
RHD136	**(Not display)**	**(Not display)**	000
RHD137	**(Not display)**	**(Not display)**	000
RHD138	**(Not display)**	**(Not display)**	000
RHD139	**(Not display)**	**(Not display)**	000
RHD140	**(Not display)**	**(Not display)**	000
RHD141	**(Not display)**	**(Not display)**	000
RHD142	**(Not display)**	**(Not display)**	000
RHD143	**(Not display)**	**(Not display)**	000
RHD144	**(Not display)**	**(Not display)**	000
RHD145	**(Not display)**	**(Not display)**	000
RHD146	**(Not display)**	**(Not display)**	000
RHD147	**(Not display)**	**(Not display)**	000
RHD148	**(Not display)**	**(Not display)**	000
RHD149	**(Not display)**	**(Not display)**	000
RHD150	**(Not display)**	**(Not display)**	000
RHD151	**(Not display)**	**(Not display)**	000

Item No.	Item name	Variable range	Initial setting value
RHD152	**(Not display)**	**(Not display)**	000
RHD153	**(Not display)**	**(Not display)**	000
RHD154	**(Not display)**	**(Not display)**	000
RHD155	**(Not display)**	**(Not display)**	000
RHD156	**(Not display)**	**(Not display)**	000
RHD157	**(Not display)**	**(Not display)**	000
RHD158	**(Not display)**	**(Not display)**	000
RHD159	**(Not display)**	**(Not display)**	000
RHD160	**(Not display)**	**(Not display)**	000
RHD161	**(Not display)**	**(Not display)**	000
RHD162	**(Not display)**	**(Not display)**	000
RHD163	**(Not display)**	**(Not display)**	000
RHD164	**(Not display)**	**(Not display)**	000
RHD165	**(Not display)**	**(Not display)**	000
RHD166	**(Not display)**	**(Not display)**	000
RHD167	**(Not display)**	**(Not display)**	000
RHD168	**(Not display)**	**(Not display)**	000
RHD169	**(Not display)**	**(Not display)**	000
RHD170	**(Not display)**	**(Not display)**	000

4.7 ADJUSTMENT PROCEDURE

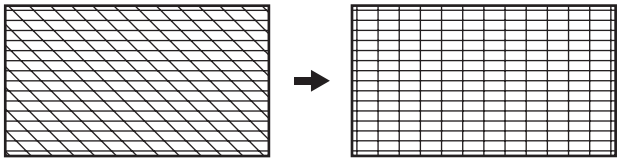
4.7.1 CHECK ITEMS

Item	Measuring instrument	Test point	Adjustment part	Description
X-RAY PROTECTOR check	Resistor [6.8kΩ 1/4W ±34Ω]	S1 connector 2 pin : X-Ray2 3 pin : X-Ray1 [DEF/ CONVEGENCE OUT PWB]		(1) Receive NTSC whole black signal. (2) Connect resistor 6.8kΩ (1/4W, ±34Ω) between 2 pin & 3 pin of the S1 connector. (3) Confirm that the X-RAY protector functions operated.
HIGH VOLTAGE check	Signal generator HV voltmeter	CRT Anode		(1) Receive NTSC whole black signal. (2) Connect the HV voltmeter between CRT anode and GND. (3) Check the high voltage DC 31.0kV (+0.15kV / -1.3kv).



4.7.2 HORIZONTAL FREQUENCY ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
H. FREQUENCY adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] D15 : H. FREQ. D18 : DEF. RST	(1) Receive NTSC crosshatch signal. (2) Select FULL mode with [ASPECT] key. (3) Select 1. PICTURE/SOUND from SERVICE MENU. (4) Select < D18 > (DEF. RST) and change the data 0 to 1 (free run). (5) While observing the screen, adjust the < D15 > (H. FREQ) so that an optimum horizontal synchronization is obtained. (see figure) (6) Press [MUTING] key to memorize the set value. (7) After adjustment, select < D18 > and change the data 1 to 0. (8) Press [MUTING] key to memorize the set value.

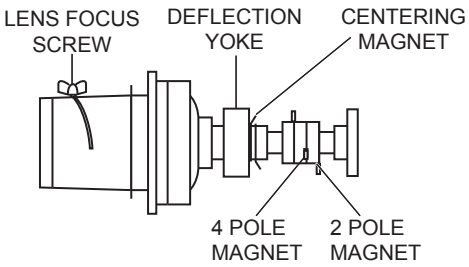


Unoptimum synchronization (Horizontal frequency difference)

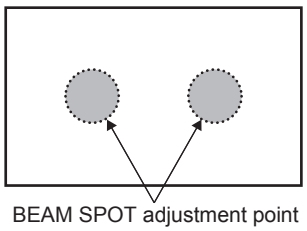
Optimum synchronization (Horizontal frequency optimal condition)

4.7.3 FOCUS & BEAM SPOT ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS & BEAM SPOT adjustment	Signal generator Similar adhesive (Securing adhesive)		TEST MODE [5.CONVER OFF] R Def. yoke (DY) G Def. yoke (DY) B Def. yoke (DY) [PROJECTION UNIT] R LENS FOCUS screw G LENS FOCUS screw B LENS FOCUS screw [PROJECTION UNIT (LENS ASS'Y)] 4 pole magnet 2 pole magnet [PROJECTION UNIT (R / G / B CRT neck)] R FOCUS VR G FOCUS VR B FOCUS VR [FOCUS PACK]	(1) Receive NTSC crosshatch signal. (2) Select FULL mode with [ASPECT] key. (3) Select DYNAMIC mode with [VIDEO STATUS] key. (4) Select 5.CONVER OFF from TEST MODE menu, then dot pattern is appear. (5) Press [INPUT] key to appear crosshatch pattern. (6) Adjust the R, G and B DY position to mark straight horizontal line. **LENS FOCUS** (1) Makes a red single color. **NOTE:** When making a single color, while adjusting focus of one CRT, put the cap on other lens. (2) By turning the LENS FOCUS screw (in LENS ASS'Y), for optimum focus at the screen center. Check for absence of difference in the peripheral focus. If the peripheral focus is poor, slightly shift the center focus to obtain overall balanced focus. (3) In the same manner, produce green and blue single color and adjust their respective focus. (4) After adjustment, fixes a screw. **NOTE:** There is not a difference in the focus in the top and the bottom, on either side, in the diagonal. When the difference of the focus is big, it removes a main lens, and it puts a washer between the main lens and the coupler and adjusts it. **BEAM SPOT** (5) Change dot pattern with [INPUT] key. (6) Makes a red single color. (7) Turn the R FOCUS VR clockwise from just focus point, to set the dot diameter approx. to Ø30mm. (8) Turn the 4 pole magnet of the projection unit CRT neck and make beam shape round as circle on the position between center and both ends of the screen. (9) Adjust the R FOCUS VR for optimum focus at the position indicated in the figure. (10) Turn the 2 pole magnet of the CRT neck as optimum focus and defocus center should become the same point. (11) In the same manner, adjust for the green and blue single color focus. (12) Secure the 4 and 2 pole magnets with similar adhesive. **CRT FOCUS** (13) Receive NTSC crosshatch signal. (14) Select DYNAMIC mode with [VIDEO STATUS] key. (15) Makes a red single color. (16) Adjust the R FOCUS VR for optimum focus at the position indicated in the figure. (17) In the same manner, adjust for the green and blue single color focus.



PROJECTION UNIT & LENS ASS'Y
(CRT adjustment location)

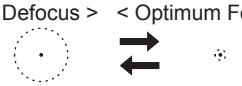


BEAM SPOT adjustment point

round as circle

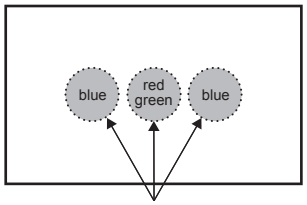
4 pole magnet adjustment

< Defocus > < Optimum Focus >



optimum center and defocus center should be same point

2 pole magnet adjustment



CRT FOCUS adjustment

4.7.4 DEFLECTION & CONVERGENCE ADJUSTMENT

- The adjustment using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- At first the adjustment in FULL mode should be done, then the data for the other ASPECT mode is corrected in the respective value at the same time.

4.7.4.1 FLOWCHART OF ADJUSTMENT

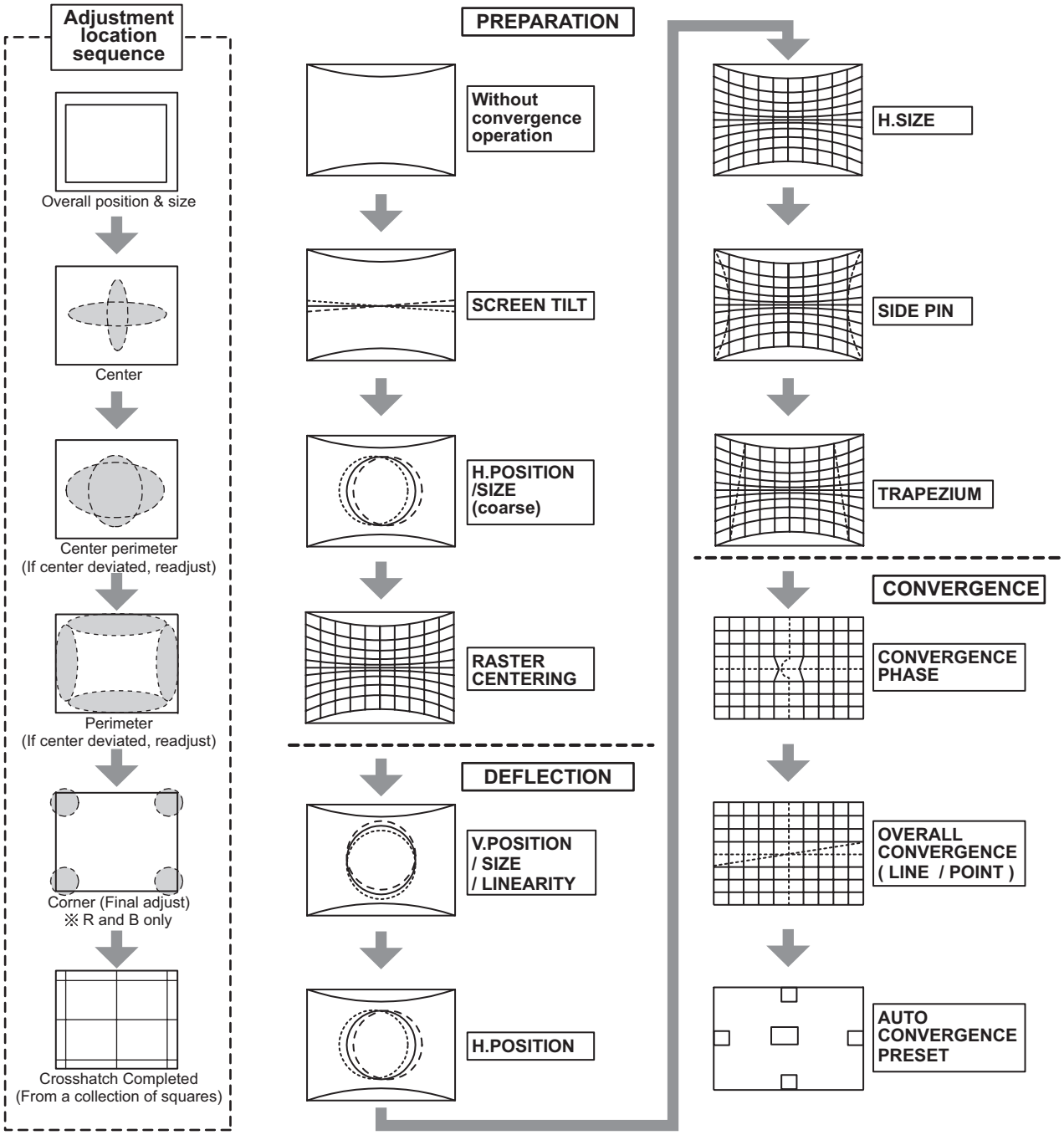
CAUTION:

All adjustments of the DEFLECTION circuit for this model should be carried out under the status without convergence operation. To enter the mode without convergence operation, select 1.PICTURE/SOUND and change the data in the setting item F62 from 0 to 1. (For details, please refer to the adjustment of DEFLECTION.)

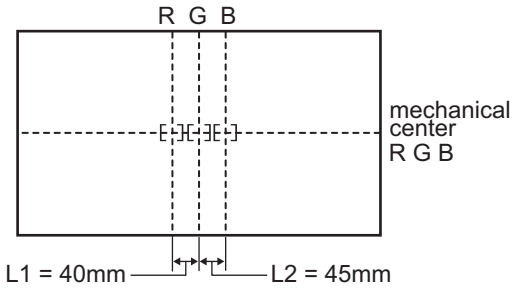
As a result, you can get the screen as shown in bellow figure. Adjust the DEFLECTION circuit in order of the steps indicated by the downward arrows.

NOTE:

When every adjustment of the DEFLECTION circuit has completed, start the adjustment of convergence.

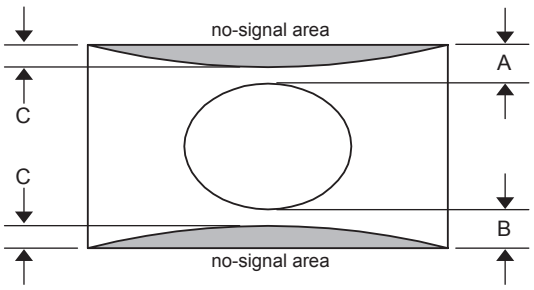


4.7.4.2 PREPARATION

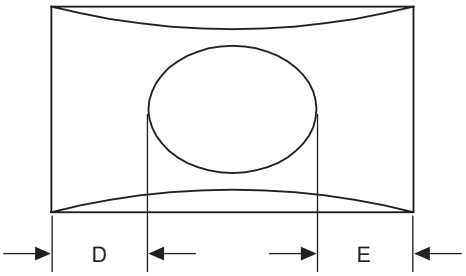
Item	Measuring instrument	Test point	Adjustment part	Description
SCREEN TILT adjustment	Signal generator Remote control unit		TEST MODE [5.CONVER OFF] G DEF. YOKE R DEF. YOKE B DEF. YOKE [PROJECTION UNIT]	• Confirm correct FOCUS adjustment. (1) Receive NTSC crosshatch signal. (2) Enter TEST MODE [5.CONVER OFF]. (3) Select crosshatch pattern with [INPUT] key. (4) Makes a green single color. **NOTE :** When making a single color, while adjusting of one CRT, put the cap on other lens. (5) Temporarily secure the G deflection yoke to the top of the neck and adjust the tilt of the deflection yoke so that the horizontal line at the center becomes flat. After adjustment, fasten the temporal screw. (6) Adjust the tilt of the R and B deflection yokes in the same manner as for green. **NOTE :** Make sure that the adjustment of CRT FOCUS is optimized at the center and at the fringe of the center in turn. If the proper adjustment has not been done, adjust FOCUS VR again.
H. POSITION / SIZE (coarse) adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] D03 : H. SIZE D14 : H. CENTER F62 : Without convergence operation	(1) Receive NTSC circle (or crosshatch) signal. (2) Select 1. PICTURE/SOUND from SERVICE MENU. (3) Select < F62 > (Without convergence operation) with [CH +] / [CH -] keys. (4) Change the data 0 to 1, then it makes picture without convergence operation. (5) Makes a green single color. **NOTE :** When making a single color, while adjusting of one CRT, put the cap on other lens. (6) Select < D03 > (H. SIZE) and shorten the level until and perpendicular amplitude of vibration with until the blanking in Left and Right and on either side can be seen. (7) Select < D14 > (H. CENTER) and adjust horizontal position to make the screen center and signal center. (8) Select < D03 > and adjust horizontal size to make screen picture approx. 92% of H-SIZE. (9) Press [MUTING] key to memorize the set value. (10) After adjustment, select < F62 > and change the data 1 to 0. (11) Press [MUTING] key to memorize the set value.
RASTER CENTERING adjustment	Signal generator Remote control unit		TEST MODE [5. CONVER OFF] G CENTERING magnet R CENTERING magnet B CENTERING magnet [DEF. YOKE]	**NOTE :** Carry out after finishing adjustment of H. POSITION and H. SIZE. (1) Receive NTSC crosshatch signal. (2) Enter TEST MODE [5.CONVER OFF]. (3) Select crosshatch pattern with [INPUT] key. (4) Adjust G CENTERING magnet to make horizontal and vertical line center as mechanical center of screen. (5) Red and blue color too, are reflected by it. (6) Using R CENTERING magnet and B CENTERING magnet, adjusts for the line of the red(L1) and the blue(L2) to become the position of the left figure. **NOTE :** Vertical center position of the red and blue are the same as green.
				

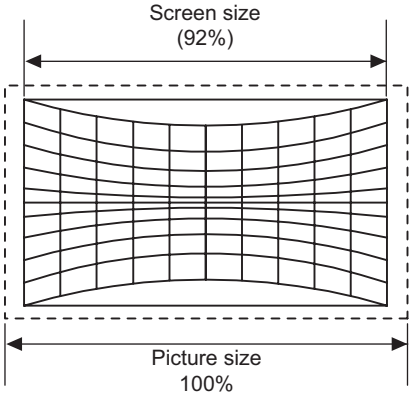
4.7.4.3 DEFLECTION ADJUSTMENT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>V. POSITION / SIZE / LINEARITY adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
D01 : V. SIZE
D05 : V. LINE
D06 : V. CENT
F62 : Without convergence operation</td><td rowspan="2">• To memorize every time after finish adjustment on each mode.
(1) Receive NTSC circle pattern signal.
(2) Select FULL mode with [ASPECT] key.
(3) Select 1. PICTURE/SOUND from SERVICE MENU.
(4) Select < F62 > (Without convergence operation).
(5) Change the data 0 to 1, then it makes picture without convergence operation.
(6) Select < D01 > (V. SIZE), < D05 > (V. LINE) and < D06 > (V. CENT).
(7) Adjust < D01 >, < D05 > and < D06 > to make A = B (precision ±2mm), and adjust to make C same value as table.
(8) Press [MUTING] key to memorize the set value.
(9) After adjustment, select < F62 > and change the data 1 to 0.
(10) Press [MUTING] key to memorize the set value.
NOTE :
Do not adjust < D04 > (V. SCORE), if it is different vertical position after adjust vertical linearity, to adjust vertical position.</td></tr>
<tr><td colspan="4"> 

<table>
<tr><th></th><th>AV-48P575</th><th>AV-56P575
AV-56P585</th></tr>
<tr><td>C</td><td>35mm</td><td>50mm</td></tr>
</table></td></tr>
<tr><td>H. POSITION adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
D14 : H. CENTER
F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC circle pattern signal.
(2) Select FULL mode with [ASPECT] key.
(3) Select 1. PICTURE/SOUND from SERVICE MENU.
(4) Select < F62 > (Without convergence operation).
(5) Change the data 0 to 1, then it makes picture without convergence operation.
(6) Select < D14 > (H. CENTER).
(7) Adjust < D14 > to make D = E as shown figure.
(8) Press [MUTING] key to memorize the set value.
(9) After adjustment, select < F62 > and change the data 1 to 0.
(10) Press [MUTING] key to memorize the set value.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>H. SIZE adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
D03 : H. SIZE
F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC crosshatch signal.
(2) Select FULL mode with [ASPECT] key.
(3) Select 1. PICTURE/SOUND from SERVICE MENU.
(4) Select < F62 > (Without convergence operation).
(5) Change the data 0 to 1, then it makes picture without convergence operation.
(6) Select < D03 > (H. SIZE).
(7) Adjust < D03 > to make sure that the vertical screen size of the picture size is 92%.
(8) Press [MUTING] key to memorize the set value.
(9) After adjustment, select < F62 > and change the data 1 to 0.
(10) Press [MUTING] key to memorize the set value.</td></tr>
<tr><td colspan="4"> 
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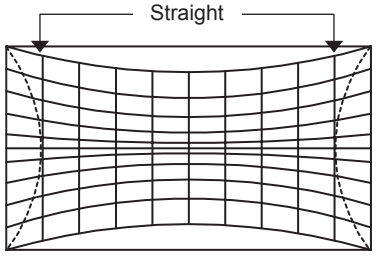
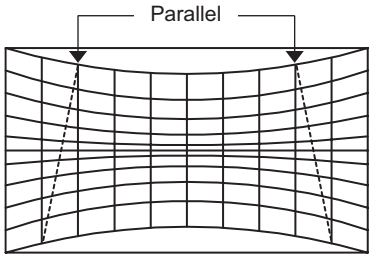
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SIDE PIN adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
D02 : EW
D08 : BOT.CORN
D09 : TOP.CORN
F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC crosshatch signal.
(2) Select FULL mode with [ASPECT] key.
(3) Select 1. PICTURE/SOUND from SERVICE MENU.
(4) Select < F62 > (Without convergence operation).
(5) Change the data 0 to 1, then it makes picture without convergence operation.
(6) Select < D02 > (EW), < D08 > (BOT.CORN) and < D09 > (TOP.CORN).
(7) Adjust < D02 >, < D08 >, < D09 > to make the vertical lines at the left and right edges of the screen straight.
(8) Press [MUTING] key to memorize the set value.
(9) After adjustment, select < F62 > and change the data 1 to 0.
(10) Press [MUTING] key to memorize the set value.
NOTE :
After making adjustments, confirm that the horizontal position is properly adjusted. If the horizontal is out of alignment, readjust it. Adjust H. SIZE & SIDE PIN reparably.</td></tr>
<tr><td colspan="3"> 
</td></tr>
<tr><td>TRAPEZIUM adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
D07 : EW.TRAP
F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC crosshatch signal.
(2) Select FULL mode with [ASPECT] key.
(3) Select 1. PICTURE/SOUND from SERVICE MENU.
(4) Select < F62 > (Without convergence operation).
(5) Change the data 0 to 1, then it makes picture without convergence operation.
(6) Select < D07 > (EW.TRAP).
(7) Adjust < D07 > to bring the vertical lines at the right and left edges of the screen parallel.
(8) Press [MUTING] key to memorize the set value.
(9) After adjustment, select < F62 > and change the data 1 to 0.
(10) Press [MUTING] key to memorize the set value.
NOTE :
After making adjustments, confirm that the horizontal position is properly adjusted. If the horizontal is out of alignment, readjust it. Adjust H. SIZE & SIDE PIN reparably.</td></tr>
<tr><td colspan="3"> 
</td></tr>
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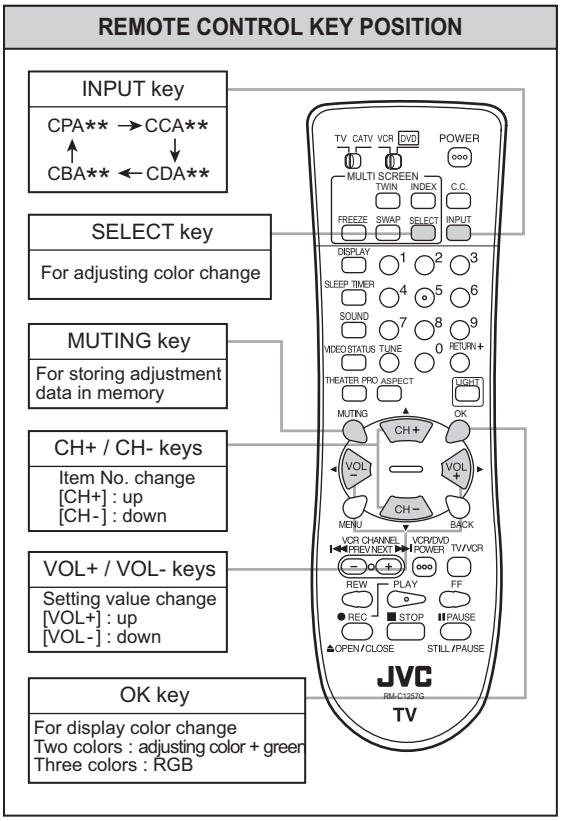
4.7.4.4 CONVERGENCE ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
CONVERGENCE PHASE [check]	Signal generator Remote control unit		[6.CONVER A] CPA04 : TPOV OFST CPA05 : FINEP CPA06 : STARTLIN A CPA07 : STARTLIN B CPA08 : CAU H2 CPA09 : COARS OFST CPA10 : V1OFSTA CPA11 : V1OFSTB	**NOTE:** Be sure to make it the value of Table1. Supposing data differs, correct to the value of Table1. When data is corrected (when the [MUTING] key is pushed), it is necessary to perform an AUTO CONVERGENCE PRESET, after a convergence adjusts exactly. (1) Receive NTSC crosshatch signal. (2) Select 6.CONVER A from SERVICE MENU. (3) Select < CPA > item with [INPUT] key. (4) Check and set data that < CPA04 > ~ < CPA11> are same value as table1. (5) Press [MUTING] key to memorize the set values.

Item No.	Item name	Initial setting value
CPA04	TPOV OFST	0
CPA05	FINEP	1245
CPA06	STARTLIN A	56
CPA07	STARTLIN B	-1
CPA08	CAU H2	0
CPA09	COARS OFST	-50
CPA10	V1OFSTA	7
CPA11	V1OFSTB	0

Table-1

REMOTE CONTROL KEY POSITION



Item	Measuring instrument	Test point	Adjustment part	Description
OVERALL CONVERGENCE (LINE) [check]	Signal generator Remote control unit		[6.CONVER A] CPA01 : FINE OFF CCA01 : H CENT CCA02 : H SIZE CCA03 : H LIN CCA04 : H SKEW CCA05 : EW PIN CCA06 : H BOW CCA07 : V CENT CCA08 : V SKEW CCA09 : V SIZE CCA10 : V LIN CCA11 : V KEY CCA12 :TB PIN	**NOTE:** Be sure to make it the value of Table2. Supposing data differs, correct to the value of Table2. When data is corrected (when the [MUTING] key is pushed), it is necessary to perform an AUTO CONVERGENCE PRESET, after a convergence adjusts exactly. (1) Receive NTSC crosshatch signal. (2) Select 6.CONVER A from SERVICE MENU. (3) Select < CPA01 > (FINE OFF). (4) Change the data 0 to1. (Clear the fine adjustment data) (5) Select < CCA > item with [INPUT] key. Then a green crosshatch pattern for adjustment will be displayed on the screen. (6) Check and set data < CCA01 > ~ < CCA12 > are same value as table2. (7) Press [SELECT] key to change the adjusting color to red and blue. **NOTE:** Press [OK] key to change the display colors. Whenever [OK] key is pressed, the menu will sequence in this order: "Two colors (adjusting color+green)" → "Three colors (RGB)" (8) Press [MUTING] key to memorize the set value. (9) Select < CPA01 >. (10) Change the < CPA01 > 1 to 0. (11) Press [MUTING] key to memorize the set values.

Item No.	Item name	Initial setting value		
		GREEN	RED	BLUE
CCA01	H CENT	0	-246	395
CCA02	H SIZE	-27	-54	16
CCA03	H LIN	-96	240	-348
CCA04	H SKEW	0	0	-10
CCA05	EW PIN	-91	-26	-17
CCA06	H BOW	0	-30	21
CCA07	V CENT	-19	8	12
CCA08	V SKEW	0	0	4
CCA09	V SIZE	-108	-77	-105
CCA10	V. LIN	15	12	8
CCA11	V. KEY	0	114	-77
CCA12	TB PIN	280	153	230

Table-2

Item	Measuring instrument	Test point	Adjustment part	Description
OVERALL CONVERGENCE (POINT) adjustment	Signal generator Remote control unit		[7.CONVER B]	**NOTE:** Perform this adjustment after performing OVERALL CONVERGENCE (LINE) check. It adjusts displaying and checking adjustment data by the [DISPLAY] key. Adjust in order of Area A, Area B, Area C and Area D. (1) Receive NTSC crosshatch signal. (2) Select 7.CONVER B from SERVICE MENU. Then appear green crosshatch pattern for adjustment. (See Fig.1) (3) Press [DISPLAY] key for displaying and checking adjustment data. (4) Press [2] / [4] / [5] / [6] / [8] keys respectively, move the cursor to the adjusting point. (5) Press [CH+] / [CH-] / [VOL+] / [VOL-] keys, adjust the position of the adjusting point so that it is located at the place as shown in Fig.2. (6) Adjust Area A. (7) Adjust Area B. (8) Adjust Area C. (9) Adjust Area D. It adjusts toward an outside from the inner side of a screen. (e.g. H#3 > H#2 > ---) H#0 is fixed data with the value inputted by adjustment of Area C. When the point of H#0 needs to be adjusted, adjusts the data of H#1 and H#2. If the data of H#1 adjusts H#0, H#2 will move, the data of H#2 adjusts H#1 and H#2. It repeats if needed. (See Fig.3) (10) Press [SELECT] key to select the red and blue crosshatch patterns, respectively, and make convergence adjustments so that they align with the adjusting points of the green crosshatch pattern (reference color). (11) Press [OK] key to change the display colors to three colors from two colors (adjusting color + green) and make sure that the convergence has been aligned with each other. (12) Press [MUTING] key to memorize the set values. (13) Perform an AUTO CONVERGENCE PRESET. Be sure, after a convergence adjusts exactly. Refer to page 52.

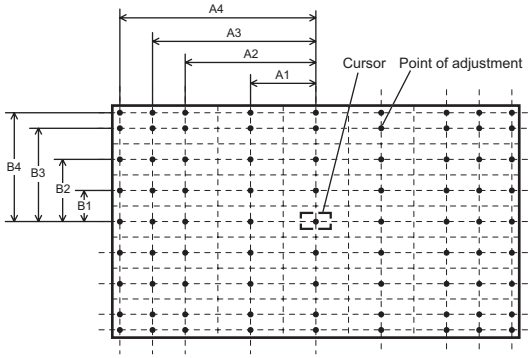


Fig.1

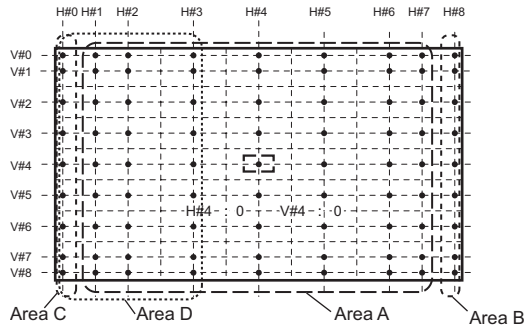
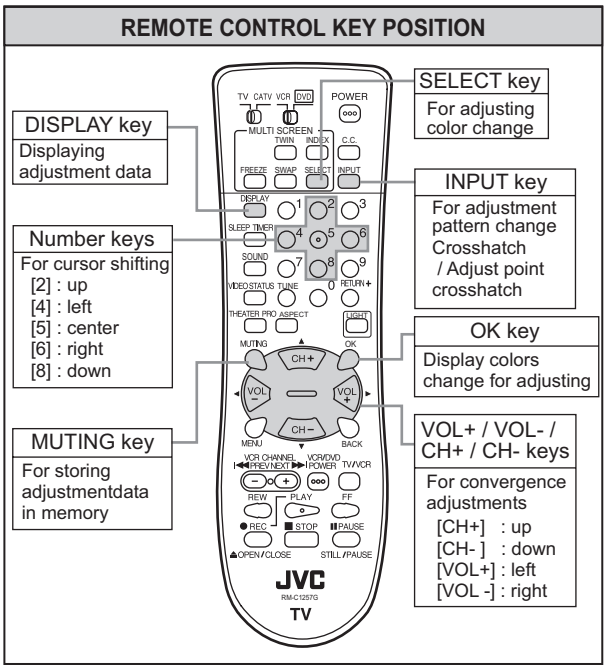


Fig.2

	A1	A2	A3	A4	B1	B2	B3	B3
48" model	174	348	435	522	82	164	246	287
56" model	204	407	509	611	96	192	287	335

SPAN TABLE (mm)

REMOTE CONTROL KEY POSITION



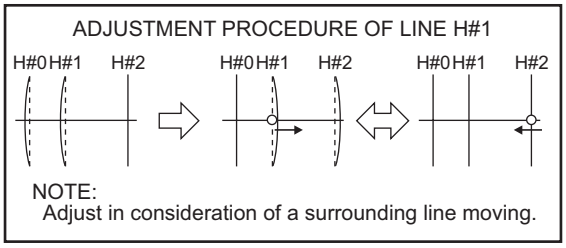
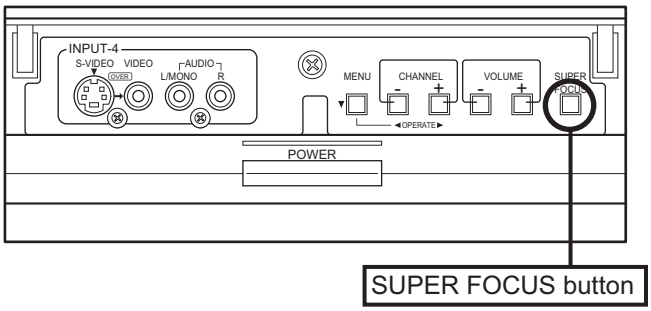


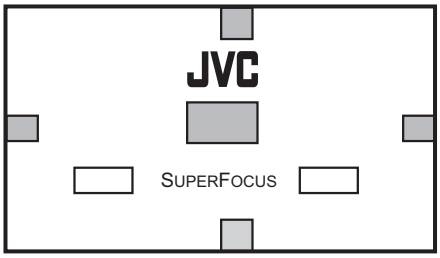
Fig.3

Item	Measuring instrument	Test point	Adjustment part	Description
AUTO CONVERGENCE (SUPER FOCUS) setting	Signal generator Remote control unit			

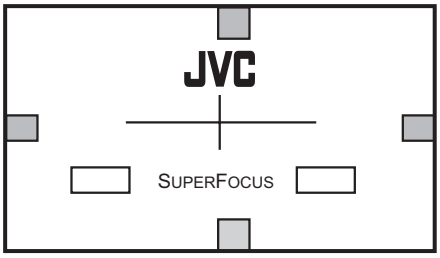
FRONT CONTROL



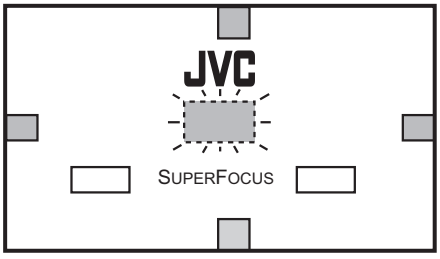
SUPER FOCUS button



PRESET IS OPERATING



SUPER FOCUS IS OPERATING



SENSOR IS NOT NORMAL

AUTO CONVERGENCE (SUPER FOCUS) PRESET

AUTO CONVERGENCE PRESET is a work in which you store (memorize) an optimum reference CONVERGENCE in SUPER FOCUS operation in the unit. At the factory, this PRESET has been carried out and memorized in the unit after adjusting CONVERGENCE. However, PRESET will be invalid when the servicing is carried out in accordance with the following conditions. In this case, it is necessary to execute PRESET again.

CONDITIONS THAT RESET IS EXECUTED

(1) When the data is memorized with the [MUTING] key on SERVICE MENU 6.CONVER A regardless of the change of data (CPA, CCA, CDA and CBA).
(2) When the data is memorized with the [MUTING] key on SERVICE MENU 7.CONVER B regardless of CONVERGENCE adjustment.

NOTE FOR PRESET

- It is required that you must execute PRESET when CONVERGENCE has been properly adjusted because the CONVERGENCE will be a reference to SUPER FOCUS.
- When SENSOR around the SCREEN is replaced to new one, it is also necessary to execute PRESET. In this case, perform RESET according to the steps 1 or 2, then execute PRESET again.

HOW TO EXECUTE PRESET

When executing SUPER FOCUS with AUTO on CONVERGENCE of the USER MENU or SUPER FOCUS button on the FRONT CONTROL, you can execute PRESET automatically when RESET is applied. In this case, a dimmed block will be displayed in the center of the screen. (When SUPER FOCUS is operated, a crossshape pattern will be displayed in the center of the screen.)

NOTE :

When a unicolor block in the center of the screen flashes on and off at PRESET or SUPER FOCUS, it means that the input from SENSOR is not normal (input level is too low). In this case, make sure that SENSOR receives enough light from the backside.

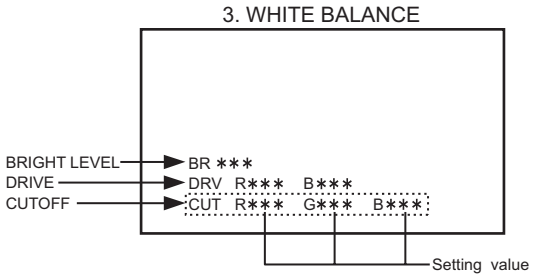
- **NOT RECEIVES ENOUGH LIGHT**
  It is necessary to readjust RASTER CENTER, H/V SIZE and CONVERGENCE.
- **RECEIVES ENOUGH LIGHT**
  Failure of the sensor or defects of detection route (circuit).

4.7.5 VIDEO ADJUSTMENT

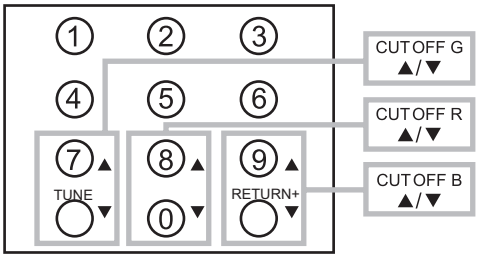
Item	Measuring instrument	Test point	Adjustment part	Description
RGB CUTOFF adjustment	Signal generator Oscilloscope Remote control unit	TP-R [R CRT SOCKET PWB] TP-G [G CRT SOCKET PWB] TP-B [B CRT SOCKET PWB]	[1.PICTURE/SOUND] S14: CUTOF R S16: CUTOF G S18: CUTOF B R SCREEN VR G SCREEN VR B SCREEN VR [FOCUS PACK]	(1) Receive NTSC signal (include 0% or -3% black). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Select FULL mode with [ASPECT] key. (4) Set the COLOR TEMP is LOW mode. (5) Connect the oscilloscope to TP-G. (6) Select 1.PICTURE/SOUND from SERVICE MENU. (7) Select < S03 > (BRIGHT). (8) Set < S03 > to 127. (9) Select < S16 > (CUTOF G). (10) Adjust < S16 > so that the 0% or -3% signal portion and the 100% signal portion of both sides may become the 180V. (11) Press [MUTING] key to memorize the set value. (12) Receive 480i component signal (include 0% or -3% black). (13) Select < S03 >. (14) Set < S03 > to 127. (15) Select < S16 >. (16) Set < S16 > same as memorized NTSC value. (17) Select STANDARD mode with [VIDEO STATUS] key. (18) Select FULL mode with [ASPECT] key. (19) The COLOR TEMP set at the LOW mode. (20) Set 1080i component signal (include 0% or -3% black). (21) Select < S03 >. (22) Set < S03 > to 127. (23) Select < S16 >. (24) Set < S16 > same as memorized NTSC value. (25) Connect the oscilloscope to TP-R and < S14 > (CUTOF R) adjust same manner as for 6. ~ 13. above. (26) Connect the oscilloscope to TP-B and < S18 > (CUTOF B) adjust same manner as for 6. ~ 13. above. (27) Adjust SCREEN VR for RGB respectively, so that the black (3%) becomes faintly whitish. **NOTE :** If it is difficult to adjust the SCREEN precisely, adjust the SCREEN VR for one of three colors while masking other two colors.

Item No.	Item name	Initial setting value
S03	BRIGHT	127
S14	CUTOF R	185
S16	CUTOF G	185
S18	CUTOF B	185
S20	CUTOFSWR	001
S21	CUTOFSWG	001
S22	CUTOFSWB	001

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (LOW LIGHT) adjustment	Signal generator Remote control unit		[3.WHITE BALANCE] BR CUT R CUT B	**NOTE :** Before starting the adjustment, warm up the unit for more than 30 minutes. (1) Receive NTSC gray scale signal (include 0% black). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Set the COLOR TEMP is LOW mode. (4) Select 3.WHITE BALANCE from SERVICE MENU. (5) Select < BR >, < DRV R >, < DRV B >, < CUT R >, < CUT G > and < CUT B >. (6) Set the initial setting value. (7) Adjust < BR > so that the LOW-LIGHT should be visible. (8) Adjust using [8] / [0] keys and [9] / [RETURN +] keys so that a black portion may become black. (9) Press [MUTING] key to memorize the set values. (10) Input 480i component signal (include 0% black) from COMPONENT VIDEO terminal. (11) Repeat steps 5 ~ 9 above. (12) Input 1080i component signal (include 0% black) from COMPONENT VIDEO terminal. (13) Repeat steps 5 ~ 9 above. **NOTE:** • 3. WHITE BALANCE < BR >, < DRV R >, < DRV B >, < CUT R >, < CUT G > and < CUT B > are equal to 1. PICTURE/SOUND < S03 >, < S10 >, < S12 >, < S14 >, < S16 > and < S18 >. • 3. WHITE BALANCE < BR >, < DRV R > and < DRV B > are same value as 1. PICTURE/SOUND < S03 >, < S10 > and < S12 >. • 3. WHITE BALANCE < CUT R >, < CUT G > and < CUT B > are same value as 1. PICTURE/SOUND < S14 >, < S16 > and < S18 > plus 30. • For example, 3.WHITE BALANCE < BR > value was changed from 127 to 120, 1.PICTURE/SOUND < S03 > value was changed from 127 to 120 automatically. 3. WHITE BALANCE < CUT R > value was changed from 215 to 210, 1.PICTURE/SOUND < S03 > value was changed from 185 to 180 automatically.
WHITE BALANCE (HIGH LIGHT) adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] S10: DRIVE R S12: DRIVE B [3.WHITE BALANCE] DRV R DRV B	(1) Receive NTSC grayscale signal (include 75% white). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Set the COLOR TEMP is LOW mode. (4) Select 1.PICTER/SOUND from SERVICE MENU. (5) Select < S10 > (DRIVE R) and < S12 > (DRIVE B). (6) Set the initial setting value. (7) Select 3.WHITE BALANCE from SERVICE MENU. (8) Adjust using [2] / [5]] keys and [3] / [6] keys so that the natural white should be visible on 75% white. (9) Press [MUTING] key to memorize the set value. (10) Input 480i component grayscale signal (include 75% white) from COMPONENT VIDEO terminal. (11) Repeat steps 4 ~ 9 above. (12) Input 1080i component grayscale signal (include 75% white) from COMPONENT VIDEO terminal. (13) Repeat steps 4 ~ 9 above.



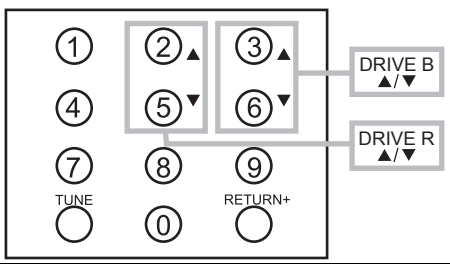
REMOTE CONTROL UNIT



1.PICTURE/SOUND			3.WHITE BALANCE	
Item No.	Item name	Initial setting value	Item name	Initial setting value
S03	BRIGHT	127	BR	127
S10	DRIVE R	085	DRV R	085
S12	DRIVE B	085	DRV B	085
S14	CUTOF R	185	CUT R	215
S16	CUTOF G	185	CUT G	215
S18	CUTOF B	185	CUT B	215

Item \ Signal	Initial setting value		
	NTSC	480i	1080i
S10	089	052	057
S12	108	107	109

REMOTE CONTROL UNIT



<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SUB BRIGHT adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
S03: BRIGHT</td><td rowspan="2">(1) Receive NTSC signal (include 0% or -2% black).
(2) Select STANDARD mode with [VIDEO STATUS] key.
(3) Set the COLOR TEMP is LOW mode.
(4) Select 1.PICTURE/SOUND from SERVICE MENU.
(5) Select < S03 > (BRIGHT).
(6) Set the initial setting value. (See Table 1)
(7) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness.
(8) Press [MUTING] key to memorize the set values.
(9) Select THEATER mode with [VIDEO STATUS] key.
(10) Repeat steps 4 ~ 8 above.
(11) Input 480i component signal (include 0% or -2% black) from COMPONENT VIDEO terminal.
(12) Repeat steps 2 ~ 10 above.
(13) Input 1080i component signal (include 0% or -2% black) from COMPONENT VIDEO terminal.
(14) Repeat steps 2 ~ 10 above.</td></tr>
<tr><td colspan="4">
<table>
<tr><th>Signal / Item</th><th colspan="6">Setting value</th></tr>
<tr><td></td><td colspan="2">NTSC</td><td colspan="2">480i</td><td colspan="2">1080i</td></tr>
<tr><td>S03</td><td>STANDARD</td><td>THEATER</td><td>STANDARD</td><td>THEATER</td><td>STANDARD</td><td>THEATER</td></tr>
<tr><td></td><td>118</td><td>118</td><td>118</td><td>118</td><td>118</td><td>118</td></tr>
</table>
Table-1
</td></tr>
<tr><td>SUB CONTRAST adjustment (1)</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
S04: CONTRAST</td><td rowspan="2">[Method of adjustment without measuring instrument]
(1) Receive NTSC glay scale signal.
(2) Select STANDARD mode with [VIDEO STATUS] key.
(3) Set the COLOR TEMP is LOW mode.
(4) Select 1.PICTURE/SOUND from SERVICE MENU.
(5) Select < S04 > (CONTRAST).
(6) Set the initial setting value. (See Table 2)
(7) If the contrast is not the best with the initial setting value, make fine adjustment of the < S04 > until you get the optimum contrast.
(8) Press [MUTING] key to memorize the set values.
(9) Select THEATER mode with [VIDEO STATUS] key.
(10) Repeat steps 4 ~ 8 above.
(11) Input 480i component black & white signal from COMPONENT VIDEO terminal.
(12) Repeat steps 2 ~ 10 above.
(13) Receive 1080i component black & white signal from COMPONENT VIDEO terminal.
(14) Repeat steps 2 ~ 10 above.</td></tr>
<tr><td colspan="4">
<table>
<tr><th>Signal / Item</th><th colspan="6">Setting value</th></tr>
<tr><td></td><td colspan="2">NTSC</td><td colspan="2">480i</td><td colspan="2">1080i</td></tr>
<tr><td>S04</td><td>STANDARD</td><td>THEATER</td><td>STANDARD</td><td>THEATER</td><td>STANDARD</td><td>THEATER</td></tr>
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</table>
Table-2
</td></tr>
<tr><td>SUB CONTRAST adjustment (2)</td><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-G
[G CRT SOCKET PWB]</td><td>[1.PICTURE/SOUND]
S04: CONTRAST</td><td rowspan="2">[Method of adjustment with measuring instrument]
(1) Receive NTSC gray scale signal (include -3%).
(2) Select STANDARD mode with [VIDEO STATUS] key.
(3) Select FULL mode with [ASPECT] key.
(4) Set the COLOR TEMP is LOW mode.
(5) Connect the oscilloscope to TP-G.
(6) Select 1.PICTURE/SOUND from SERVICE MENU.
(7) Select < S04 > (CONTRAST).
(8) Adjust < S04 > so that the -3% signal portion and the 100% signal portion of both sides may become the follow table voltage.
(9) Press [MUTING] key to memorize the set value.
(10) Select THEATER mode with [VIDEO STATUS] key.
(11) Repeat steps 8 ~ 9 above.
(12) Receive 480i component gray scale signal (include -3%).
(13) Repeat steps 2 ~ 11 above.
(14) Set 1080i component gray scale signal (include -3%).
(15) Repeat steps 2 ~ 11 above.</td></tr>
<tr><td colspan="4">
SETTING VOLTAGE [V(p-p)]
<table>
<tr><th>Signal / Video Status</th><th>NTSC</th><th>480i</th><th>1080i</th></tr>
<tr><td>STANDARD</td><td>68</td><td>80</td><td>80</td></tr>
<tr><td>THEATER</td><td>60</td><td>65</td><td>60</td></tr>
</table>
Table-3
</td></tr>
</table>

Item	Measuring instrument	Test point	Adjustment part	Description
SUB COLOR / SUB TINT / B-Y GAIN adjustment (1)	Signal generator Remote control unit	TP-R [R CRT SOCKET PWB] TP-B [B CRT SOCKET PWB] TP-E (GND)	[1.PICTURE/SOUND] S01 : COLOR S02 : TINT S07 : B-Y	**[Method of adjustment without measuring instrument]** (1) Receive NTSC color bar signal (include 75% white). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Select 1.PICTURE/SOUND from SERVICE MENU. (4) Select < S01 > (COLOR) and < S02 > (TINT). (5) Set the initial setting value. (6) If the color or tint is not the best with the initial setting values, make fine adjustment until you get the best color or the best tint. (7) Select < S07 > (B-Y). (8) Set the initial setting value. (9) If the color bar is not clearly with the initial setting value, make fine adjustment until you get the clearly color bar. (10) Press [MUTING] key to memorize the set value. (11) Select THEATER mode with [VIDEO STATUS] key. (12) Repeat steps 3 ~ 10 above. (13) Input 480i component color bar signal from COMPONENT VIDEO terminal. (14) Repeat steps 2 ~ 12 above. (15) Input 480p component color bar signal from COMPONENT VIDEO terminal. (16) Repeat steps 2 ~ 12 above. (17) Input 1080i component color bar signal from COMPONENT VIDEO terminal. (18) Repeat steps 2 ~ 12 above.

Signal / Item	Initial setting value							
	NTSC		480i		480p		720p / 1080i	
	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S01	096	083	085	075	079	076	074	071
S02	060	050	062	068	059	066	065	065
S07	017	027	012	024	013	018	019	020

Item	Measuring instrument	Test point	Adjustment part	Description
SUB COLOR / SUB TINT / B-Y GAIN adjustment (2)	Signal generator Oscilloscope Remote control unit	TP-R [R CRT SOCKET PWB] TP-B [B CRT SOCKET PWB] TP-E (GND)	[1.PICTURE/SOUND] S01 : COLOR S02 : TINT S07 : B-Y	**[Method of adjustment with measuring instrument]** (1) Receive NTSC color bar signal (include 75% white). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Connect the oscilloscope to TP-R. (4) Select 1.PICTURE/SOUND from SERVICE MENU. (5) Select < S01 > (COLOR) and < S02 > (TINT). (6) Adjust < S01 > and < S02 > to be following setting value A[V]. (Refer to the bellow table) (7) Press [MUTING] key to memorize the set value. (8) Select THEATER mode with [VIDEO STATUS] key. (9) Adjust < S01 > and < S02 > to be following setting value B[V] same as above. (Refer to the table) (10) Press [MUTING] key to memorize the set value. (11) Select STANDARD mode with [VIDEO STATUS] key. (12) Connect the oscilloscope to TP-B. (13) Adjust < S07 > (B-Y) to be setting value C[V]. (Refer to the table) (14) Press [MUTING] key to memorize the set value. (15) Select THEATER mode with [VIDEO STATUS] key. (16) Adjust < S07 > to be setting value D[V]. (Refer to the table) (17) Press [MUTING] key to memorize the set value. (18) Confirm that LOW-LIGHT is not different after adjusting. If it is green or magenta, to adjust LOW-LIGHT again. If adjust again, to set offset value again. (19) Input 480i component color bar from COMPONENT VIDEO terminal. (20) Repeat steps 2 ~ 18 above. (21) Input 480p component color bar from COMPONENT VIDEO terminal. (22) Repeat steps 2 ~ 18 above. (23) Input 1080i component color bar from COMPONENT VIDEO terminal. (24) Repeat steps 2 ~ 18 above.

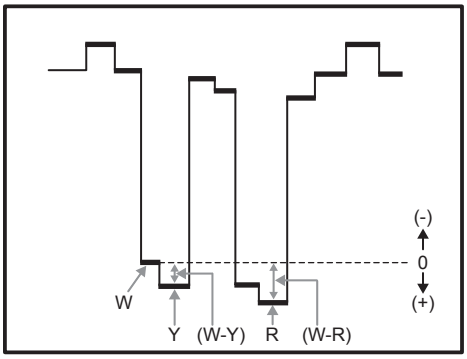


Fig.1

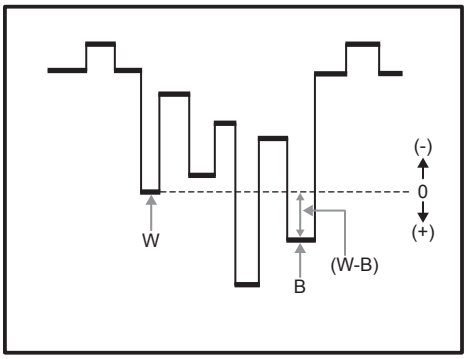


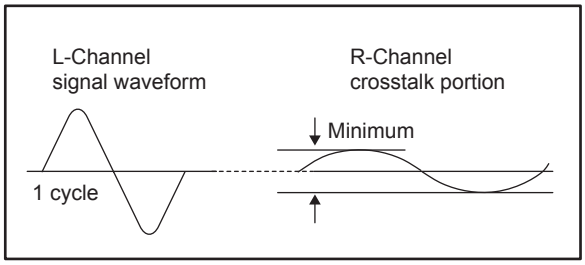
Fig.2

Setting item / Signal	Setting value [V]					
	A		B		C	D
	STANDARD		THEATER		STANDARD	THEATER
	S01 (W-R)	S02 (W-Y)	S01 (W-R)	S02 (W-Y)	S07 (W-B)	S07 (W-B)
NTSC	+41	+15	+26	+9	+20	+15
480i	+22	+7	+12	+7	+4	-7
480p	+33	+18	+16	+7	+2	-4
1080i	+27	+12	+12	+5	+2	-4

Table

4.7.6 AUDIO (MTS) ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL check	Remote control unit		[1.PICTURE/SOUND] A01 : IN LEVEL	(1) Select 1.PICTURE / SOUND from SERVICE MENU. (2) Select < A01 > (IN LEVEL). (3) Verify that < A01 > is set at its initial setting value.
MTS SEPARATION adjustment	TV audio multiplex signal generator Oscilloscope Remote control unit	AUDIO OUT L output R output	[1.PICTURE/SOUND] A02: LOW SEP. A03 : HI SEP.	(1) Input stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Connect an oscilloscope to L OUTPUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal. (3) Change the connection of the oscilloscope to R OUTPUT pin of the AUDIO OUT, and enlarge the voltage axis. (4) Select < A02 > (LOW SEP.). (5) Set the initial setting value of < A02 >. (6) Adjust < A02 > so that the stroke element of the 300Hz signal will become minimum. (7) Change the signal to 3kHz, and similarly adjust < A03 > (HI SEP.). (8) Press [MUTING] key to memorize the set value.



SECTION 5
TROUBLESHOOTING

5.1 SELF-DIAGNOSIS FUNCTIONS

- This model has self-check functions that inform of the failure of the TV by detecting abnormality.
- Operational state is always monitored and the identified is memorized on the record.

Therefore, diagnosis may be prevented against expectations if "NG" are indicated in many items. When recurrence of symptoms can be predicted, erase (reset) the history of failure and allow the unit to again record the results of diagnosis.

5.1.1 HOW TO ENTER THE SELF-DIAGNOSIS MODE

(1) Set the < SLEEP TIMER 30 MIN. > with [SLEEP TIMER] key. (Fig.1)
(2) During the < SLEEP TIMER 30 MIN. > display, press [DISPLAY] key and [VIDEO STATUS] key at the same time.
(3) Then < TEST MODE > screen is displayed. (Fig.2)
(4) Press [4] key then < SELF-CHECK > screen is appear. (Fig.3)

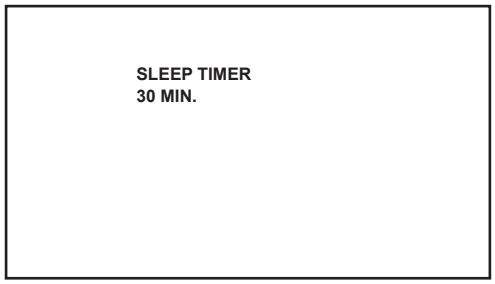


Fig.1

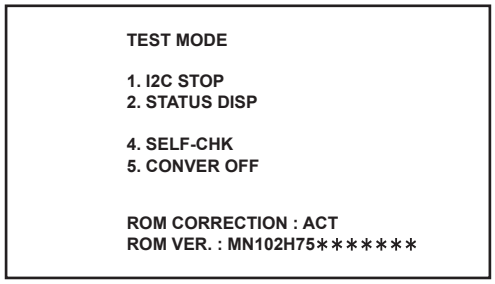


Fig.2

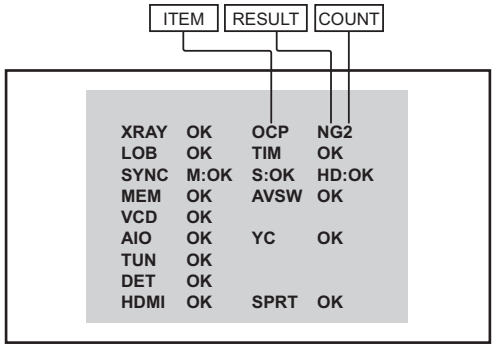


Fig.3
SELF-CHECK SCREEN

5.1.2 HOW TO EXIT FROM THE SELF-DIAGNOSIS MODE

With initialization

By using the remote control unit, turn the power off. At this time, the failure record is cleared.

With not initialization

(1) Take off the AC plug from the wall outlet. At this time, the failure record is not cleared.
(2) Press the [BACK] key the SELF-CHECK screen return to TEST MODE screen.

5.1.3 EXPLANATION FOR ACTIVATION OF SELF-DIAGNOSIS FUNCTIONS

- The latest failure is stored on the record at the end.
  The failure record for each check item is counted to the number of 9 at the maximum, When more than 9 failures are stored on the record, the counter remains stopped at 9.
- SYNC is neither counted nor stored in memory.
- Because of the timing of Vcc start-up and shut-down of the IC connecting to the I^2C bus during which the power is turned on and off, the operation may be interpreted as an error.
  In order to avoid the misinterpretation, the self-check functions should be started at about 3 seconds after the power is turned on.

Indication	Check item	Details of detection	Method of detection
XRAY	X-ray radiation protection	------	------
OCP	B1 over-current protection	B1 over-current is detected. Q971 : DEF & CONVERGENCE OUT PWB	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically.
LOB	Low B short protection	Operation of low B short protection circuit. Q1961(5V), Q1962(9V) : MAIN PWB	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically.
TIM	Timer	The AC power frequency is changed as follows : 50Hz → 60Hz 60Hz → 50Hz IC1701(MICOM) : 17pin	Periodically check the power frequency by counting the AC pulse and monitor whether or not the frequency is changed except for the time immediately after resetting.

Indication	Check item	Details of detection	Method of detection
SYNC	Presence or absence of synchronized signal	Presence of synchronized signal. HD : Component signal M : NTSC main signal S : NTSC sub signal IC1301(AN15394A) : MI-COM & DIST MODULE PWB	When entering the self-check mode, "OK" is shown. While running the mode with picture signal, if the synchronized signal is disappeared, "NG" is shown.
MEM	Memory (EEP-ROM)	ACK is returned when I^2C traffic is carried out. IC1703(MEMORY) : MI-COM & DIST MODULE PWB	The state is monitored every time when I^2C traffic is carried out. Then the state is counted as a failure if ACK is not returned.
AVSW	AV switch	Ditto IC1301(AN15852A) and IC1501(CXA2069Q) : MAIN PWB	Ditto
VCD	Video / process (RGB process)	Ditto IC1301(AN15394A) : MI-COM & DIST MODULE PWB	Ditto
AIO	Audio process (MTS decode / audio control)	Ditto IC1502(M62320) : MAIN PWB	Ditto
YC	3D YC separation	Ditto IC3001(MN82832) : MI-COM & DIST MODULE PWB	Ditto
TUN	RF tuner	Ditto RF tuner	Ditto
DET	DIST process	Ditto IC201(JCC5055) : MI-COM & DIST MODULE PWB	Ditto
HDMI	Digital input process	Ditto IC001(SiI9993) : DIGITAL INPUT MODULE PWB	Ditto
SPRT	Split protection	----	----

5.1.4 SELF-CHECK DISPLAY LED

The self-check results are shown on the following LED display.
Method of indication when the raster is not displayed.

Each failure is shown by turning POWER LED on and off at specified intervals.

- For X-ray radiation protection, B1 over-current protection, low B short protection and CRT neck broken protection, the power of the TV is turned off if NG is detected. Immediately after the power is turned off, POWER LED will be turning on and off. When the power is turned off, you cannot turn the power on again until the AC plug is taken out and put in again.

Item	POWER LED ON / OFF intervals
X-ray radiation protection	Turning on and off 0.1-second intervals
B1 over-current protection	Turning on and off 1-second intervals
Low B short protection	Turning on and off 2-second intervals
CRT neck broken protection	Turning on and off 3-second intervals

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JVC CANADA INC.

Head office : 21 Finchdene Square Scarborough, Ontario M1X 1A7 (416)293-1311

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WPC

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS	
CR	Carbon Resistor
FR	Fusible Resistor
PR	Plate Resistor
VR	Variable Resistor
HV R	High Voltage Resistor
MF R	Metal Film Resistor
MG R	Metal Glazed Resistor
MP R	Metal Plate Resistor
OM R	Metal Oxide Film Resistor
CMF R	Coating Metal Film Resistor
UNF R	Non-Flammable Resistor
CH V R	Chip Variable Resistor
CH MG R	Chip Metal Glazed Resistor
COMP. R	Composition Resistor
LPTC R	Linear Positive Temperature Coefficient Resistor

CAPACITORS	
C CAP.	Ceramic Capacitor
E CAP.	Electrolytic Capacitor
M CAP.	Mylar Capacitor
CH CAP.	Chip Capacitor
HV CAP.	High Voltage Capacitor
MF CAP.	Metalized Film Capacitor
MM CAP.	Metalized Mylar Capacitor
MP CAP.	Metalized Polystyrol Capacitor
PP CAP.	Polypropylene Capacitor
PS CAP.	Polystyrol Capacitor
TF CAP.	Thin Film Capacitor
MPP CAP.	Metalized Polypropylene Capacitor
TAN. CAP.	Tantalum Capacitor
CH C CAP.	Chip Ceramic Capacitor
BP E CAP.	Bi-Polar Electrolytic Capacitor
CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT

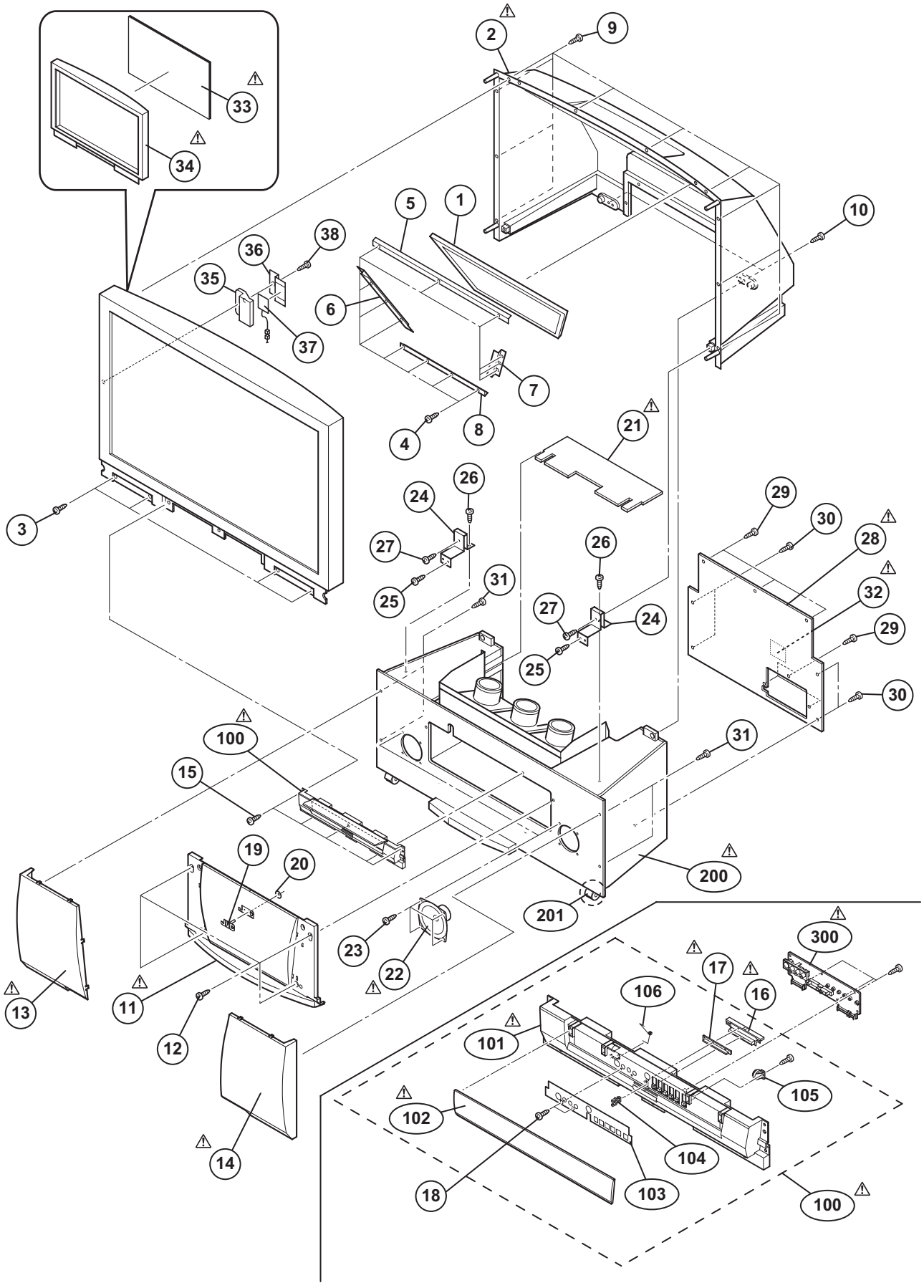
P.W.B ASS'Y	AV-48P575/H	AV-56P575/H	AV-56P585/H
MAIN P.W.B	SRP-1003A-M2	SRP-1004A-M2	SRP-1002A-M2
DEF / CONVERGENCE OUT P.W.B	SRP-2002A-M2	←	←
R CRT SOCKET P.W.B	SRP-3101A-M2	←	←
G CRT SOCKET P.W.B	SRP-3201A-M2	←	←
B CRT SOCKET P.W.B	SRP-3301A-M2	←	←
VM P.W.B	SRP-7201A-M2	←	←
REMOCON SENSOR P.W.B	SRP-8001A-M2	←	←
POWER P.W.B	SRP-9001A-M2	←	←
FRONT CONTROL P.W.B	SRP0L001A-M2	←	←
DIGITAL INPUT MODULE P.W.B	SRP-7803A-M2	SRP-7804A-M2	SRP-7802A-M2
DIGITAL CONVERGENCE MODULE P.W.B	SRP0K003A-M2	SRP0K002A-M2	←
MI-CON & DIST MODULE P.W.B	SRP0D001A-M2	←	←
REMOTE CONTROL UNIT	RM-C1257G-1H	←	←

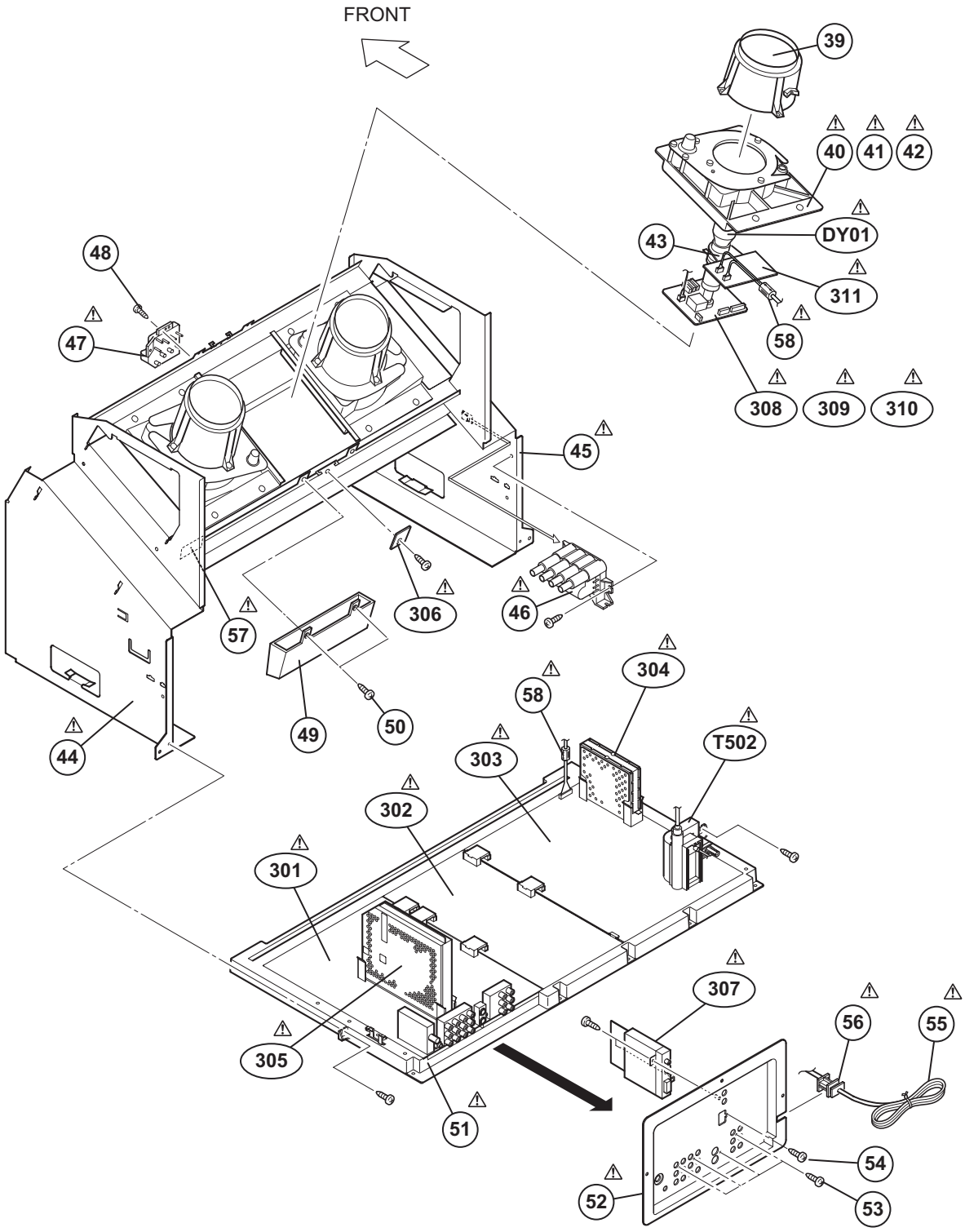
EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	DY01	QQD0107-001	DEF YOKE	(x3)	
⚠	T502	QQH0179-001	FB TRANSF		
	1	LC32441-003A-A	48" GLASS MIRROR		AV-48P575/H
	1	LC32173-002A-A	56" GLASS MIRROR		AV-56P575/H,AV-56P585/H
⚠	2	LC11247-001D-A	BACK COVER		AV-48P575/H
⚠	2	LC11407-001D-A	BACK COVER		AV-56P575/H,AV-56P585/H
	3	QYSBSAG4018M	TAP SCREW	M4 x 18mm(x4)	
	4	QYSBSFG4016M	TAP SCREW	4.0mm x 16mm(x13)	
	5	LC21316-001A-A	MIRROR HOLDER TOP		
	6	LC21311-001B-A	MIRROR HOLDER LEFT		
	7	LC21311-002B-A	MIRROR HOLDER RIGHT		
	8	LC21317-001B-A	MIRROR HOLDER BOTTOM		
	9	QYSBSFG4016M	TAP SCREW	4.0mm x 16mm(x10)	
	10	QYSBSAG4018M	TAP SCREW	M4 x 18mm(x2)	
⚠	11	LC11800-001B-A	CENTER PANEL		AV-48P575/H,AV-56P575/H
⚠	11	LC11800-002B-A	CENTER PANEL		AV-56P585/H
	12	QYSBSAG4018M	TAP SCREW	M4 x 18mm(x4)	
⚠	13	LC11794-001C-A	SPEAKER GRILL LEFT		AV-48P575/H
⚠	13	LC11863-001C-A	SPEAKER GRILL LEFT		AV-56P575/H
⚠	13	LC11799-004C-A	SPEAKER GRILL LEFT		AV-56P585/H
⚠	14	LC11866-001C-A	SPEAKER GRILL RIGHT		AV-48P575/H
⚠	14	LC11818-001C-A	SPEAKER GRILL RIGHT		AV-56P575/H
⚠	14	LC11799-003C-A	CLOTH PANEL RIGHT		AV-56P585/H
	15	QYSBSAG4018M	TAP SCREW	M4 x 18mm(x5)	
⚠	16	LC21576-001B-A	KNOB		AV-48P575/H,AV-56P575/H
⚠	16	LC21576-002C-A	KNOB		AV-56P585/H
⚠	17	LC32555-001C-A	LED LENS		
	18	QYSBSF3012M	TAP SCREW	3.0mm x 12mm(x2)	
	19	LC32412-001A-C	JVC MARK		
	20	QYNSS3000P	PUSH NUT	M3	
⚠	21	LC21490-001A-A	SHADING BOARD		
⚠	22	QAS0248-001	SPEAKER	SP01/SP02(x2)	
	23	QYSBSA4012M	TAP SCREW	M4 x 12mm(x8)	
	24	LC32645-001A-A	BC FIT	(x2)	
	25	QYSPSPD4020Z	SCREW	M4 x 20mm(x2)	
	26	QYSBSA4012M	TAP SCREW	M4 x 12mm(x2)	
	27	QYSBSG4012Z	TAP SCREW	M4 x 12mm(x2)	
⚠	28	LC21491-001A-A	BACK BOARD		
	29	QYSBSFG4016M	TAP SCREW	4.0mm x 16mm(x7)	
	30	QYSBSAG4018M	TAP SCREW	M4 x 18mm(x4)	
	31	QYSBSFG4020M	TAP SCREW	M4 x 20mm(x4)	
⚠	32	LC31139-001A-A	RATING LABEL		
	33	48SC-002A-M2	SCREEN ASSY	PROTECTOR / FRESNEL LENS / LENTICULAR LENS	AV-48P575/H
⚠	33	56SC-003A-M2	SCREEN ASSY	PROTECTOR / FRESNEL LENS / LENTICULAR LENS	AV-56P575/H,AV-56P585/H
⚠	34	LC32721-001A-A	FRONT PANEL ASSY		AV-48P575/H
⚠	34	LC32722-001A-A	FRONT PANEL ASSY		AV-56P575/H
⚠	34	LC32722-002A-A	FRONT PANEL ASSY		AV-56P585/H
	35	LC32188-002A-A	SENSOR HOLDER	(x4)	
	36	LC32188-001C-A	SENSOR HOLDER	(x4)	
	37	QSD0008-001	PHOTO SENSOR	(x4)	
	38	QYSBSG4012Z	TAP SCREW	M4 x 12mm(x4)	
	39	LC31735-001A-A	LENS D250	(x3)	AV-48P575/H
	39	LC31736-001A-A	LENS D260	(x3)	AV-56P575/H,AV-56P585/H
⚠	40	R-CRT575SAM2	R CRT SA		
⚠	41	G-CRT575SAM2	G CRT SA		
⚠	42	B-CRT575SAM2	B CRT SA		
	43	QAL0477-001	2/4 POLE MAGNET	(x3)	
⚠	44	LC21488-002A-A	UNIT BKT RIGHT		
⚠	45	LC21488-001A-A	UNIT BKT LEFT		
⚠	46	QAE0007-001	HV DIVIDER		
⚠	47	QAE0008-001	FOCUS PACK		
	48	QYSBSGG3008Z	TAP SCREW	3mm x 8mm	
	49	CM22765-001-A	COOLANT PAN		
	50	QYSBSG4012Z	TAP SCREW	M4 x 12mm(x2)	
⚠	51	LC11789-001B-A	CHASSIS BASE		
⚠	52	LC11791-001A-A	AV BOARD		
	53	QYSBSF3012Z	TAP SCREW	3.0mm x 12mm(x4)	
	54	CM32201-00A-H	ASSY SCREW		
⚠	55	QMPD200-200-JC	POWER CORD(US/CA)	2m BLACK	
⚠	56	LC20106-001D-A	POWER CORD CLAMP		
⚠	57	GQ30034-001B-A	WARNING LABEL		
⚠	58	QQR0491-001	FERRITE CORE	(GRAY)(x2)	

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	100	LC21639-001B-A	CONTROL ASSY	Inc.No.101-106	AV-48P575/H,AV-56P575/H
⚠	100	LC21639-002B-A	CONTROL ASSY	Inc.No.101-106	AV-56P585/H
⚠	101	LC11788-001C-A	CONTROL BASE		AV-48P575/H,AV-56P575/H
⚠	101	LC11788-002C-A	CONTROL BASE		AV-56P585/H
⚠	102	LC11786-001C-A	DOOR		AV-48P575/H,AV-56P575/H
⚠	102	LC11786-002C-A	DOOR		AV-56P585/H
	103	LC21486-001B-A	OPERATION SHEET		
	104	PU60109	CATCHER		
	105	QZW0055-003	DAMPER		
	106	LC41776-001A-A	SPRING		AV-48P575/H,AV-56P575/H
⚠	200	LC11796-001A-A	BODY	Inc.No.201	AV-48P575/H
⚠	200	LC11806-001A-A	BODY	Inc.No.201	AV-56P575/H,AV-56P585/H
	201	CM36396-00B-A	CASTER	(x4)	
⚠	300	SRP0L001A-M2	FRONT CONTROL PWB		
⚠	301	SRP-1003A-M2	MAIN PWB		AV-48P575/H
⚠	301	SRP-1004A-M2	MAIN PWB		AV-56P575/H
⚠	301	SRP-1002A-M2	MAIN PWB		AV-56P585/H
⚠	302	SRP-9001A-M2	POWER PWB		
⚠	303	SRP-2002A-M2	DEF / CONVERGENCE OUT PWB		
⚠	304	SRP0K003A-M2	DIGITAL CONVERGENCE MODULE PWB		AV-48P575/H
⚠	304	SRP0K002A-M2	DIGITAL CONVERGENCE MODULE PWB		AV-56P575/H,AV-56P585/H
⚠	305	SRP0D001A-M2	MI-COM & DIST MODULE PWB		
⚠	306	SRP-8001A-M2	REMOCON SENSOR PWB		
⚠	307	SRP-7803A-M2	DIGITAL INPUT MODULE PWB		AV-48P575/H
⚠	307	SRP-7804A-M2	DIGITAL INPUT MODULE PWB		AV-56P575/H
⚠	307	SRP-7802A-M2	DIGITAL INPUT MODULE PWB		AV-56P585/H
⚠	308	SRP-3101A-M2	R CRT SOCKET PWB		
⚠	309	SRP-3201A-M2	G CRT SOCKET PWB		
⚠	310	SRP-3301A-M2	B CRT SOCKET PWB		
⚠	311	SRP-7201A-M2	VM PWB		

EXPLODED VIEW

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PRINTED WIRING BOARD PARTS LIST [AV-48P575/H]

MAIN P.W. BOARD ASS'Y (SRP-1003A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	L7805CP	IC		
IC1140	CXA2205Q-X	IC		
IC1211	TA1318N	IC		
IC1212	SN74AHC2G08T-X	IC		
IC1301	AN15852A	IC		
IC1501	CXA2069Q	IC		
IC1502	M62320FP-X	IC		
IC1511	PQ033RD01SZ	IC		
IC1641	NJM2150AM-X	IC		
IC1661	AN5277	IC		
IC1703	AT24C128-56P585	IC	(SERVICE)	
IC1802	BA033T	REGULATOR IC		
IC1941	PQ1CG21H2FZ	IC		
IC1942	SI-8050JD-W	IC		
IC1943	PQ1CY1032Z-W	IC		
IC1981	PQ070XZ01Z-X	IC		
IC1991	PQ12RD11	IC		
IC1993	MM1565AF-X	IC		
IC3001	MN82832	IC		
IC3002	R1170H331B-X	IC		
IC6001	NJM2701M-X	IC		
Q0701	2SK2090-X	MOS FET		
Q0702	2SK2090-X	MOS FET		
Q1101	2SA1530A/QR/-X	TRANSISTOR		
Q1102	2SC3928A/QR/-X	TRANSISTOR		
Q1232	2SA1530A/QR/-X	TRANSISTOR		
Q1252	2SA1530A/QR/-X	TRANSISTOR		
Q1253	2SC3928A/QR/-X	TRANSISTOR		
Q1254	2SA1530A/QR/-X	TRANSISTOR		
Q1255	2SC3928A/QR/-X	TRANSISTOR		
Q1301	2SC3837K/NP/-X	TRANSISTOR		
Q1302	2SC3837K/NP/-X	TRANSISTOR		
Q1303	2SC3837K/NP/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1511	2SC3928A/QR/-X	TRANSISTOR		
Q1531	2SC3928A/QR/-X	TRANSISTOR		
Q1668	UN2213-X	DIGI TRANSISTOR		
Q1669	2SC3928A/QR/-X	TRANSISTOR		
Q1671	UN2213-X	DIGI TRANSISTOR		
Q1672	2SC3928A/QR/-X	TRANSISTOR		
Q1673	2SA1530A/QR/-X	TRANSISTOR		
Q1674	2SC3928A/QR/-X	TRANSISTOR		
Q1712	2SA1530A/QR/-X	TRANSISTOR		
Q1713	2SC2785/JH/-T	SI TRANSISTOR		
Q1714	2SA1530A/QR/-X	TRANSISTOR		
Q1961	2SC3928A/QR/-X	TRANSISTOR		
Q1962	2SC3928A/QR/-X	TRANSISTOR		
Q1964	2SC3928A/QR/-X	TRANSISTOR		
Q1965	UN2213-X	DIGI TRANSISTOR		
Q1966	UN2213-X	DIGI TRANSISTOR		
Q1967	UN2213-X	DIGI TRANSISTOR		
Q1981	2SC4682-T	TRANSISTOR		
Q1984	2SC4682-T	TRANSISTOR		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3002	2SC3928A/QR/-X	TRANSISTOR		
Q3003	2SA1530A/QR/-X	TRANSISTOR		
Q3004	2SC3928A/QR/-X	TRANSISTOR		
Q3005	2SC3928A/QR/-X	TRANSISTOR		
Q3006	2SA1530A/QR/-X	TRANSISTOR		
Q3007	2SA1530A/QR/-X	TRANSISTOR		
Q3501	2SA1530A/QR/-X	TRANSISTOR		
Q3502	2SC3928A/QR/-X	TRANSISTOR		
Q3505	2SA1530A/QR/-X	TRANSISTOR		
Q3506	2SC3928A/QR/-X	TRANSISTOR		
Q3509	2SA1530A/QR/-X	TRANSISTOR		
Q3510	2SC3928A/QR/-X	TRANSISTOR		
Q6001	2SC3928A/QR/-X	TRANSISTOR		
Q6002	2SC3928A/QR/-X	TRANSISTOR		
D1093	MA8082/M/-X	Z DIODE		
D1140	MA8100/M/-X	Z DIODE		
D1141	MA8100/M/-X	Z DIODE		
D1145	MA8082/M/-X	Z DIODE		
D1146	MA8082/M/-X	Z DIODE		
D1251	MA8100/M/-X	Z DIODE		
D1252	MA8100/M/-X	Z DIODE		
D1253	MA111-X	SI DIODE		
D1301	MA8100/M/-X	Z DIODE		
D1302	MA8100/M/-X	Z DIODE		
D1305	MA8100/M/-X	Z DIODE		
D1306	MA8100/M/-X	Z DIODE		
D1401	MA111-X	SI DIODE		
D1402	UDZS5.1B-X	Z DIODE		
D1403	MA111-X	SI DIODE		
D1513	MA111-X	SI DIODE		
D1596	MA8100/M/-X	Z DIODE		
D1667	MA111-X	SI DIODE		
D1668	MA111-X	SI DIODE		
D1669	MA111-X	SI DIODE		
D1702	MA111-X	SI DIODE		
D1703	MA111-X	SI DIODE		
D1704	MA8100/M/-X	Z DIODE		
D1705	MA8100/M/-X	Z DIODE		
D1712	MA111-X	SI DIODE		
D1802	MA111-X	SI DIODE		
D1895	MA8082/M/-X	Z DIODE		
D1896	MA8082/M/-X	Z DIODE		
D1897	MA8051/M/-X	Z DIODE		
D1898	MA8051/M/-X	Z DIODE		
D1947	EC31QS04-X	SB DIODE		
D1948	EC31QS04-X	SB DIODE		
D1949	EC31QS04-X	SB DIODE		
D1962	MA3030/H/-X	Z DIODE		
D1964	MA111-X	SI DIODE		
D1965	MA111-X	SI DIODE		
D1967	PTZ6.8B-X	Z DIODE		
D1968	PTZ3.9B-X	Z DIODE		
D1969	PTZ11B-X	Z DIODE		
D1981	MA111-X	SI DIODE		
D1991	MA111-X	SI DIODE		
D1993	MA111-X	SI DIODE		
D2101	MA8100/M/-X	Z DIODE		
D2121	MA8100/M/-X	Z DIODE		
D2201	MA8100/M/-X	Z DIODE		
D2204	MA8100/M/-X	Z DIODE		
D2205	MA8100/M/-X	Z DIODE		
D2206	MA8100/M/-X	Z DIODE		
D2209	MA8100/M/-X	Z DIODE		
D2210	MA8100/M/-X	Z DIODE		
D2212	MA8100/M/-X	Z DIODE		
D2213	MA8100/M/-X	Z DIODE		
D2215	MA8100/M/-X	Z DIODE		
D2216	MA8100/M/-X	Z DIODE		
D2217	MA8100/M/-X	Z DIODE		
D2218	MA8100/M/-X	Z DIODE		
D2219	MA8100/M/-X	Z DIODE		
D2401	MA8100/M/-X	Z DIODE		
D2402	MA8100/M/-X	Z DIODE		
D2403	MA8100/M/-X	Z DIODE		
D2404	MA8100/M/-X	Z DIODE		
D2406	MA8100/M/-X	Z DIODE		
D2421	MA8100/M/-X	Z DIODE		
D2422	MA8100/M/-X	Z DIODE		
C1101	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1102	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1103	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1140	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1141	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1144	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1145	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1146	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1147	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1148	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1149	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1150	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1151	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1152	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1153	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C1154	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C1155	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1156	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1157	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1158	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1159	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1160	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1161	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1162	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1163	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C1164	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1165	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C1166	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1167	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1168	QETN1HM-105Z	E CAPACITOR	1uF 50V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C1169	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1170	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1171	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1172	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1213	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1214	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1215	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C1216	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1218	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1219	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1233	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C1257	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1258	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1301	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1302	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1303	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1304	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1307	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C1308	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1311	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1312	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1313	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1322	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1323	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1324	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1325	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1326	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1327	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1328	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1329	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1331	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1332	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1333	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1341	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1342	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1343	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1352	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1353	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1355	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1371	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1372	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1381	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1382	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1391	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1403	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C1404	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C1405	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C1406	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C1409	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1412	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1416	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1417	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1418	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1421	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C1423	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1442	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1502	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1510	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C1519	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1532	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1539	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1540	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C1553	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1554	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1555	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1556	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1557	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1579	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1641	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
C1642	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C1643	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C1645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1646	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1647	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1648	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1651	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C1652	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C1653	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C1667	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1668	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1669	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1670	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1671	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1672	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1673	QETN1HM-477Z	E CAPACITOR	470uF 50V M	
C1674	QETM1HM-108	E CAPACITOR	1000uF 50V M	
C1675	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C1676	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C1677	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C1678	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C1679	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1680	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1696	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1697	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1702	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1712	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C1806	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1807	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1941	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C1942	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C1943	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1944	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C1945	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C1946	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1947	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1948	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1949	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C1950	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C1951	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C1952	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C1953	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C1955	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1961	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1981	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1984	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C1985	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C1991	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1992	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1994	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1995	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1996	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2103	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2104	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2106	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2124	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2126	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2127	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2128	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2144	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2145	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2146	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2302	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2303	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2322	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2323	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2341	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2342	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2343	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3001	QENC1AM-336Z	BP E CAPACITOR	33uF 10V M	
C3002	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C3003	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C3004	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C3005	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3007	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3008	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C3009	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C3010	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C3011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C3012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3014	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3017	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3020	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description Local
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3025	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3027	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J
C3028	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J
C3029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3032	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C3033	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C3034	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C3035	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C3036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3041	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3042	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3044	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3045	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3046	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3047	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3048	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3049	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3050	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3052	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3053	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3054	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3055	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3056	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3057	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3058	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3059	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C3060	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3061	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C3062	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3063	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C3064	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3065	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3067	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C3068	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3069	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C3070	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3071	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3077	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3078	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3079	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C3080	QBTC1CK-106Z	TA E CAPACITOR	10uF 16V K
C3082	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C3086	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C3088	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C3089	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C3090	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C3099	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3100	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3502	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3503	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C3504	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3506	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3508	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3509	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C3510	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3512	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3514	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3515	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C3516	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3518	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3519	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M
C3520	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M
C3521	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M
C6001	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C6002	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C6003	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6004	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6005	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C6006	NCB31CK-273X	C CAPACITOR	0.027uF 16V K
C6007	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6008	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C6009	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C6010	QETN1HM-106Z	E CAPACITOR	10uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local
R0705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0706	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1097	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1107	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1111	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1140	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J
R1141	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1142	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1143	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1144	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1145	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1147	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R1149	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1151	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J
R1152	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1157	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1218	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1219	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1226	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1228	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1229	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1230	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1231	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1232	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1234	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1240	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1261	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1262	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1266	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1267	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1268	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1269	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1272	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1282	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
R1283	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1284	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1285	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1286	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1287	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1337	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1347	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1375	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1378	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1385	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1395	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1421	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R1422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1423	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1501	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1502	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1505	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1511	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1513	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1521	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1525	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1526	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1527	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1529	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1530	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1533	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1534	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1536	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1537	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1538	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1539	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1560	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1577	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1578	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1579	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1611	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1612	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1615	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1616	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1641	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1642	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1643	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1651	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1652	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1653	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1665	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1666	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1667	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1668	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1669	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1670	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1671	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R1672	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R1673	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R1674	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R1680	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1681	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1691	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1694	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1695	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1696	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1712	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1713	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1714	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1715	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1718	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1899	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1900	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1942	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
R1943	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D
⚠R1944	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J
R1945	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1946	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1949	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
R1950	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R1952	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1953	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1957	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D
R1959	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
R1961	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1962	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1963	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1964	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1965	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1966	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1967	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1968	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1969	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1971	QRT039J-R68	MF RESISTOR	0.68Ω 3W J
R1975	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1978	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
⚠R1981	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J
R1982	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R1983	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R1984	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R1985	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
⚠R1986	QRK126J-331X	UNF C RESISTOR	330Ω 1/2W J
R1991	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1992	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2104	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2106	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2122	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2123	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2125	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2126	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2127	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2144	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2145	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2146	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2305	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2308	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2325	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2328	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R3001	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3002	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R3003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3004	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R3005	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R3006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3009	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3010	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3012	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3013	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R3014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3015	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R3016	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R3017	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3020	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3021	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3023	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R3024	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3025	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3026	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3027	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R3028	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R3029	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R3030	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R3039	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3040	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3045	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3047	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R3048	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R3049	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R3050	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R3051	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3052	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R3053	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3054	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3055	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R3058	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3059	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3060	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3503	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3504	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R3505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3507	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3509	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3511	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3516	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R3518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3519	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3520	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R3521	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3523	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R3532	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R3534	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3535	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3536	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R3537	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3548	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R3549	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3550	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3551	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3552	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3553	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3554	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3555	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6002	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6007	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6009	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
RA3001	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4
RA3002	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4
RA3003	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4
RA3004	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4
L1211	QQL244K-100Z	PEAKING COIL	10uH K
L1401	QQL244K-100Z	PEAKING COIL	10uH K
L1402	QQL26AK-100Z	CHOKE COIL	10uH K
L1941	QQR1401-001	CHOKE COIL	
L1942	QQR1401-001	CHOKE COIL	
L1943	QQL26AK-330Z	CHOKE COIL	33uH K
L1944	QQL26AK-330Z	CHOKE COIL	33uH K
L1945	QQL26AK-220Z	CHOKE COIL	22uH K
L1946	QQL26AK-220Z	CHOKE COIL	22uH K
L1947	QQR1401-001	CHOKE COIL	
L1948	QQL26AK-100Z	CHOKE COIL	10uH K
L1950	QQL26AK-470Z	CHOKE COIL	47uH K
L1951	QQL26AK-470Z	CHOKE COIL	47uH K
L1952	QQL26AK-470Z	CHOKE COIL	47uH K
L1983	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
L3001	NQL092K-6R8X	COIL	6.8uH K
L3002	NQL092K-6R8X	COIL	6.8uH K
L3003	NQR0413-003X	FERRITE BEADS	
L3004	NQR0413-003X	FERRITE BEADS	
L3007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3501	NQL092K-6R8X	COIL	6.8uH K
L3502	NQL092K-6R8X	COIL	6.8uH K
L3503	NQL092K-6R8X	COIL	6.8uH K
CN1001	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1002	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1003	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN100Q	WJP0053-004A	E-SH C WIRE C-B	
CN10AU	WJP0052-002A	E-SH C WIRE C-B	
CN10DC	QJB003-043014	SIN ID C-B WIRE	
CN10SR	QJB003-052610	SIN ID C-B WIRE	
H1661	LC30145-003A	HEAT SINK/AL-F/	
H1802	CM42862-A0A	HEAT SINK ASSY	
J1091	QNS0242-001	3.5 JACK	AV COMPULINK
J2101	QNN0628-001	PIN JACK	V/L IN
J2102	QNN0629-001	PIN JACK	R IN/L/R OUT/CENTER CH IN
J2111	QND0121-001	S JACK	S IN
J2121	QNN0638-001	PIN JACK	COMP-1/2 IN
K1943	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
K1944	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
LC1301	QQR1199-001	EMI FILTER	
LC1302	QQR1199-001	EMI FILTER	
LC1303	QQR1199-001	EMI FILTER	
LC2301	QQR1199-001	EMI FILTER	
LC2302	QQR1199-001	EMI FILTER	
LC2303	QQR1199-001	EMI FILTER	
LC2321	QQR1199-001	EMI FILTER	
LC2322	QQR1199-001	EMI FILTER	
LC2323	QQR1199-001	EMI FILTER	
LC2341	QQR1199-001	EMI FILTER	
LC2342	QQR1199-001	EMI FILTER	
LC2343	QQR1199-001	EMI FILTER	
LC3001	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3002	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3003	NQR0483-005X	EMI FILTER	
LC3004	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3005	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3006	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3007	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3008	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3501	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3502	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3503	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
SL1211	CSB503F30-T2	C RESONATOR	
⚠TU1101	QAU0352-001	TUNER	
X3001	NAX0570-001X	CRYSTAL	27.000MHz

DEF / CONVERGENCE OUT P.W. BOARD ASS'Y (SRP-2002A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC101	LA7860M-X	IC	
IC161	AN5441SA-W	IC	
IC162	BA10393F-XE	IC	
IC163	AN7805F	IC	
IC212	CXA1875AM-X	IC	
IC401	AN15525A	IC	
IC801	L7805CP	IC	
IC804	STK394-250	IC	
IC805	STK394-210	IC	
IC807	SN74LVC1G126V-X	IC	
Q101	2SD601A/QR/-X	TRANSISTOR	
Q102	2SD601A/QR/-X	TRANSISTOR	
Q131	2SD601A/QR/-X	TRANSISTOR	
Q132	2SD601A/QR/-X	TRANSISTOR	
Q162	2SD601A/QR/-X	TRANSISTOR	
Q168	2SD601A/QR/-X	TRANSISTOR	
Q171	2SB709A/QR/-X	TRANSISTOR	
Q172	2SB709A/QR/-X	TRANSISTOR	
Q401	2SC3311A/QR/-T	TRANSISTOR	
Q402	2SC3311A/QR/-T	TRANSISTOR	
Q501	BSN304-T	MOS FET	
Q503	2SC5931-RL	POW TRANSISTOR	
Q521	2SC3311A/QR/-T	TRANSISTOR	
Q531	IRFI620G	POWER MOS FET	
Q532	2SC1959/Y/-T	TRANSISTOR	
Q533	2SA562TM/Y/-T	TRANSISTOR	
Q806	2SD601A/QR/-X	TRANSISTOR	
Q807	2SD601A/QR/-X	TRANSISTOR	
Q808	2SD601A/QR/-X	TRANSISTOR	
Q809	2SD601A/QR/-X	TRANSISTOR	
Q810	2SD601A/QR/-X	TRANSISTOR	
Q971	2SA1208/ST/Z1-T	TRANSISTOR	
D164	1SS355-X	SI DIODE	
D165	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
D170	1SS355-X	SI DIODE	
D171	1SS355-X	SI DIODE	
D173	1SS355-X	SI DIODE	
D174	1SS355-X	SI DIODE	
D201	1SR35-400A-T2	SI DIODE	
D221	1SS355-X	SI DIODE	
D301	EU2-T3	SI DIODE	
D302	EU2-T3	SI DIODE	
D303	RU30A-F1	SI DIODE	
D311	1SR124-400A-T2	SI DIODE	
D401	MTZJ75-T2	Z DIODE	
D402	1SR35-400A-T2	SI DIODE	
D403	MA111-X	SI DIODE	
D404	MA8068/M/-X	CHIP ZENER DIODE	
D405	MA111-X	SI DIODE	
D406	MA8068/M/-X	CHIP ZENER DIODE	
D501	1SS81-T2	SI DIODE	
D504	RG2A-LFC4	SI DIODE	
D506	FMV-3FU-F1	SI DIODE	
D507	V11CA-C1	SI DIODE	
D521	MA8120-X	CHIP ZENER DIODE	
D522	MA111-X	SI DIODE	
D531	RGP10J-5025-T3	SI DIODE	
D561	MA4068N/Z1/-T2	Z DIODE	
D562	MA4068N/Z1/-T2	Z DIODE	
D583	MA111-X	SI DIODE	
D804	1SR153-400-T2	FR DIODE	
D805	1SR153-400-T2	FR DIODE	
D811	RD5.6E/B2/-T2	Z DIODE	
D812	RD5.6E/B2/-T2	Z DIODE	
D841	PTZ6.8B-X	Z DIODE	
D842	PTZ5.1B-X	Z DIODE	
D844	RD6.8E/B2/-T2	Z DIODE	
D845	RD6.8E/B2/-T2	Z DIODE	

⚠Ref No.	Part No.	Part Name	Description Local
D846	RD6.8E/B2/-T2	Z DIODE	
D847	RD6.8E/B2/-T2	Z DIODE	
D850	RD5.6E/B2/-T2	Z DIODE	
D972	MA8150/M/-X	Z DIODE	
D973	MA111-X	SI DIODE	
C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C104	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C106	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C107	NDC21HJ-122X	C CAPACITOR	1200pF 50V J
C108	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C110	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C111	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C112	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C113	NDC21HJ-122X	C CAPACITOR	1200pF 50V J
C114	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C115	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C117	QTMN1CM-477Z	E CAPACITOR	470uF 16V M
C118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C120	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C121	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C131	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C132	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C133	NCB21EK-124X	C CAPACITOR	0.12uF 25V K
C134	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C135	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C136	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C137	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C138	NDC31HJ-181X	C CAPACITOR	180pF 50V J
C161	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C162	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C163	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C164	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C167	QFLM1HJ-332Z	M CAPACITOR	3300pF 50V J
C168	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C170	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C171	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J
C172	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C173	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C175	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C178	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C179	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C181	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C182	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C185	NCB31CK-563X	C CAPACITOR	0.056uF 16V K
C187	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C201	QFV21HJ-334Z	MF CAPACITOR	0.33uF 50V J
C212	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C221	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C301	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C302	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C303	QETM2EM-336	E CAPACITOR	33uF 250V M
C311	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C312	QCB32HK-821Z	C CAPACITOR	820pF 500V K
C401	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C402	QFN31HJ-152Z	M CAPACITOR	1500pF 50V J
C403	QCS32HJ-180Z	C CAPACITOR	18pF 500V J
C404	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
C405	QFV21HJ-104Z	MF CAPACITOR	0.1uF 50V J
C406	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C407	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C408	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
C409	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C411	QCB31HK-222Z	C CAPACITOR	2200pF 50V K
C412	QENC1CM-226Z	BP E CAPACITOR	22uF 16V M
C413	QENC1CM-226Z	BP E CAPACITOR	22uF 16V M
C415	QFLC2AJ-823Z	M CAPACITOR	0.082uF 100V J
C416	QCB31HK-682Z	C CAPACITOR	6800pF 50V K
C501	QCB32HK-331Z	C CAPACITOR	330pF 500V K
C502	QFN32DK-103	M CAPACITOR	0.01uF 200V K
C503	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J
C506	QFZ0122-452	MPP CAPACITOR	4500pF 1.8kV H
C507	QFZ0122-452	MPP CAPACITOR	4500pF 1.8kV H
C508	QFP32JJ-103	PP CAPACITOR	0.01uF 630V J
C511	QFZ0128-404	MPP CAPACITOR	0.4uF DC400V H
C513	QFZ0197-335	MPP CAPACITOR	3.3uF 250V J
C514	QCS32HJ-561	C CAPACITOR	560pF 500V J
C521	QCZ0122-681	C CAPACITOR	680pF 2kV K
C522	QCZ0122-681	C CAPACITOR	680pF 2kV K
C523	QFN32AJ-682Z	M CAPACITOR	6800pF 100V J
C524	QCS31HJ-470Z	C CAPACITOR	47pF 50V J
C525	QCB31HK-682Z	C CAPACITOR	6800pF 50V K
C527	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C533	QCS32HJ-561	C CAPACITOR	560pF 500V J
C534	QFN32DK-222Z	M CAPACITOR	2200pF 200V K
C536	QFN32DJ-152Z	M CAPACITOR	1500pF 200V J
C591	QEZ0203-107	E CAPACITOR	100uF 160V M
C701	QFLC2AJ-223Z	M CAPACITOR	0.022uF 100V J
C803	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C804	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C807	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C808	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C809	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C810	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C812	NDC31HJ-181X	C CAPACITOR	180pF 50V J
C818	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C819	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C820	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C821	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C822	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C823	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C824	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C825	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C827	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C828	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C829	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C830	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C831	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C832	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C833	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C834	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C838	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C844	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C851	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C852	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C853	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C973	QETN1HM-106Z	E CAPACITOR	10uF 50V M
R101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R103	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R105	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R106	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R107	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R110	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R111	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
R112	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
R113	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D
R114	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R116	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
R117	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R120	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R121	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R122	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R123	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J
R126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R129	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R133	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R134	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
R137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R139	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R143	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R161	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R162	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R163	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R164	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R168	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R169	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R172	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R174	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R175	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R176	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R177	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R178	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R179	NRVA63D-562X	CMF RESISTOR	5.6kΩ 1/16W D
R180	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D
R182	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R183	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description	Local
R184	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R185	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R186	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R187	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R188	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R189	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R190	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R193	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R195	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R196	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R197	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R207	NRS144F-274X	MG RESISTOR	270kΩ 1/4W F	
R208	NRS144F-274X	MG RESISTOR	270kΩ 1/4W F	
R209	NRS144F-184X	MG RESISTOR	180kΩ 1/4W F	
R216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R217	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R223	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R224	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R226	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R227	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R230	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R401	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R402	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	
R403	QRE121J-180Y	C RESISTOR	18Ω 1/2W J	
R404	NRVA63D-682X	CMF RESISTOR	6.8kΩ 1/16W D	
R405	NRVA63D-682X	CMF RESISTOR	6.8kΩ 1/16W D	
R406	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D	
R407	NRVA63D-821X	CMF RESISTOR	820Ω 1/16W D	
R408	NRVA63D-821X	CMF RESISTOR	820Ω 1/16W D	
R409	QRL029J-221	OMF RESISTOR	220Ω 2W J	
R410	QRT029J-2R2	MF RESISTOR	2.2Ω 2W J	
R412	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R413	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R416	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R418	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R421	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R422	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R427	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R430	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R431	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R432	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R501	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R502	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J	
R503	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	
R504	QRL039J-222	OMF RESISTOR	2.2kΩ 3W J	
R505	QRL039J-222	OMF RESISTOR	2.2kΩ 3W J	
R506	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J	
R512	QRL029J-331	OMF RESISTOR	330Ω 2W J	
R521	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R522	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R523	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R524	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R525	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R526	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R531	QRL029J-102	OMF RESISTOR	1kΩ 2W J	
R532	QRL029J-820	OMF RESISTOR	82Ω 2W J	
R533	QRL029J-820	OMF RESISTOR	82Ω 2W J	
R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R535	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R536	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R561	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D	
R562	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D	
R563	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R565	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R591	QRF154K-3R3	UNF WW RESISTOR	3.3Ω 15W K	
R701	QRG01GJ-390	OMF RESISTOR	39Ω 1W J	
R702	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J	
R703	QRZ0056-103Z	COMP RESISTOR	10kΩ 1/2W K	
R801	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R802	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R803	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R804	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R805	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R806	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R811	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R814	QRL029J-151	OMF RESISTOR	150Ω 2W J	
R818	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R828	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R829	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R830	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R831	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R832	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R833	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R834	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R835	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R836	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R837	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R838	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R839	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R840	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R842	QRX01GJ-2R2	MF RESISTOR	2.2Ω 1W J	
R843	QRL029J-221	OMF RESISTOR	220Ω 2W J	
R844	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R846	QRX01GJ-1R5	MF RESISTOR	1.5Ω 1W J	
R847	QRL029J-151	OMF RESISTOR	150Ω 2W J	
R848	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R850	QRX01GJ-2R2	MF RESISTOR	2.2Ω 1W J	
R851	QRL029J-221	OMF RESISTOR	220Ω 2W J	
R852	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R854	QRX01GJ-1R5	MF RESISTOR	1.5Ω 1W J	
R855	QRL029J-151	OMF RESISTOR	150Ω 2W J	
R856	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R858	QRX01GJ-3R3	MF RESISTOR	3.3Ω 1W J	
R859	QRL029J-221	OMF RESISTOR	220Ω 2W J	
R860	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R862	QRX01GJ-1R8	MF RESISTOR	1.8Ω 1W J	
R863	QRL029J-151	OMF RESISTOR	150Ω 2W J	
R864	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R866	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R873	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R874	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R972	NRSA63D-112X	MG RESISTOR	1.1kΩ 1/16W D	
R973	QRA14CF-7501Y	CMF RESISTOR	7.5kΩ 1/4W F	
R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R977	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
L101	QQL01BK-470Z	PEAKING COIL	47uH K	
L103	NQL092K-100X	COIL	10uH K	
L104	NQL092K-100X	COIL	10uH K	
L105	QQL01BK-101Z	PEAKING COIL	100uH K	
L301	QQLZ026-140	COIL	14uH ±7%	
L502	QQR1408-001	CHOKE COIL		
L505	QQR1149-004	LINEARITY COIL		
L531	QQR1422-005	CHOKE COIL		
L701	QQR1422-005	CHOKE COIL		
L802	QQL521J-470	COIL	47uH J	
T501	QQR1111-001	DRIVE TRANSF		
T701	QQR1458-001	DAF TRANS		
CN007	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN008	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN00N	QJB003-101010	SIN ID C-C WIRE		
CN00Y	WJK0170-001A	E-SI C WIRE C-B		
CN011	QGB2501J1-15	CONNECTOR	B-B (1-15)	
CN012	QGB2501J1-15	CONNECTOR	B-B (1-15)	
CN0AA	WJP0037-001A	W TO B CONNE		
⚠FR301	QRZ9011-1R0	FUSI RESISTOR	1Ω 1/2W J	
⚠FR302	QRZ9011-1R0	FUSI RESISTOR	1Ω 1/2W J	
⚠FR311	QRZ9011-4R7	FUSI RESISTOR	4.7Ω 1/2W J	
H401	LC30416-001A	HEAT SINK/AL-F/		
H503	LC31212-001B	HEAT SINK/AL-F/		
H506	LC30521-001A	HEAT SINK/AL-F/		
H531	CEHT11B-005QS	HEAT SINK		
H801	CEHT11B-002QS	HEAT SINK		
H804	LC31881-001A	HEAT SINK		
H805	LC31881-001A	HEAT SINK		
K401	QQR0621-002Z	FERRITE BEADS		
K501	QQR1139-001	FERRITE BEADS		
K504	QQR1139-001	FERRITE BEADS		
K801	QQR0621-002Z	FERRITE BEADS		
K802	QQR0621-002Z	FERRITE BEADS		
K803	QQR0621-002Z	FERRITE BEADS		
K804	QQR0621-002Z	FERRITE BEADS		
K805	QQR0621-002Z	FERRITE BEADS		
K806	QQR0621-002Z	FERRITE BEADS		
K807	QQR0621-002Z	FERRITE BEADS		
K808	QQR0621-002Z	FERRITE BEADS		
K809	QQR0621-002Z	FERRITE BEADS		
K810	QQR0621-002Z	FERRITE BEADS		
K811	QQR0621-002Z	FERRITE BEADS		

R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1001	TDA6111Q	IC		

⚠Ref No.	Part No.	Part Name	Description	Local
D1006	RM2C-LFA1	SI DIODE		
D1101	EU01N-T2	SI DIODE		
D1102	MA8150/M/-X	Z DIODE		
C1002	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C1004	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C1005	QFZ9027-472	MM CAPACITOR	4700pF 1000V K	
C1101	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J	
C1102	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	QFK62EK-104Z	MM CAPACITOR	0.1uF 250V K	
C1108	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
R1001	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	
R1002	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R1003	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R1101	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1103	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1104	QRL039J-473	OMF RESISTOR	47kΩ 3W J	
R1106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1107	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K	
L1101	QQL26AJ-102Z	PEAKING COIL	1mH J	
L1102	QQL244K-5R6Z	PEAKING COIL	5.6uH K	
H1001	LC31150-002A	HEAT SINK/AL-F1		
SG1001	QAF0056-501Z	SURGE ABSORBER	500V M	
⚠SK1001	QNZ0536-001	CRT SOCKET		

G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC2001	TDA6111Q	IC		
D2006	RM2C-LFA1	SI DIODE		
D2101	EU01N-T2	SI DIODE		
D2102	MA8150/M/-X	Z DIODE		
C2001	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C2002	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C2004	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C2005	QFZ9027-472	MM CAPACITOR	4700pF 1000V K	
C2010	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2101	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J	
C2102	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2104	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2107	QFK62EK-104Z	MM CAPACITOR	0.1uF 250V K	
C2108	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
R2001	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	
R2002	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R2003	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R2010	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	
R2011	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D	
R2012	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R2101	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2103	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R2104	QRL039J-473	OMF RESISTOR	47kΩ 3W J	
R2106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2107	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K	
L2001	QQL26AJ-102Z	PEAKING COIL	1mH J	
L2101	QQL26AJ-102Z	PEAKING COIL	1mH J	
L2102	QQL244K-5R6Z	PEAKING COIL	5.6uH K	
CN200E	WJP0058-001A	E-SI C WIRE C-B		
CN200V	QJB003-051810	SIN ID C-C WIRE		
CN2GBN	QJB003-042424	SIN ID C-B WIRE		
CN2RGK	QJB003-062211	SIN ID C-B WIRE		
CN2RGN	QJB003-042424	SIN ID C-B WIRE		
H2001	LC31150-002A	HEAT SINK/AL-F1		
SG2001	QAF0056-501Z	SURGE ABSORBER	500V M	
⚠SK2001	QNZ0536-001	CRT SOCKET		

B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC3001	TDA6111Q	IC		
Q3031	2SA1037AK/QR/-X	TRANSISTOR		
D3006	RM2C-LFA1	SI DIODE		
D3101	EU01N-T2	SI DIODE		
D3102	MA8150/M/-X	Z DIODE		
D3201	MA111-X	SI DIODE		
C3002	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3004	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3005	QFZ9027-472	MM CAPACITOR	4700pF 1000V K	
C3101	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C3102	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3104	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3107	QFK62EK-104Z	MM CAPACITOR	0.1uF 250V K	
C3108	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C3201	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
R3001	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	
R3002	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3003	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R3031	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	
R3032	NRSA63D-562X	MG RESISTOR	5.6kΩ 1/16W D	
R3033	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3101	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R3103	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3104	QRL039J-473	OMF RESISTOR	47kΩ 3W J	
R3106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3107	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K	
R3201	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
L3101	QQL26AJ-102Z	PEAKING COIL	1mH J	
L3102	QQL244K-5R6Z	PEAKING COIL	5.6uH K	
CN3GBK	QJB003-062211	SIN ID C-B WIRE		
H3001	LC31150-002A	HEAT SINK/AL-F1		
SG3001	QAF0056-501Z	SURGE ABSORBER	500V M	
⚠SK3001	QNZ0536-001	CRT SOCKET		

VM P.W. BOARD ASS'Y (SRP-7201A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q7101	2SC1906-T	TRANSISTOR		
Q7102	2SA1005/MLK/-T	TRANSISTOR		
Q7103	2SC1959/Y/-T	TRANSISTOR		
Q7104	2SA562TM/Y/-T	TRANSISTOR		
Q7105	2SJ407	POWER MOS FET		
Q7106	2SK2381	POWER MOS FET		
D7101	1SS355-X	SI DIODE		
D7102	RGP10J-04TS-T3	SI DIODE		
D7103	RGP10J-04TS-T3	SI DIODE		
C7101	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7102	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7103	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C7104	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C7107	QFN32DK-103	M CAPACITOR	0.01uF 200V K	
C7108	QFN32DK-103	M CAPACITOR	0.01uF 200V K	
C7109	QETN2CM-475Z	E CAPACITOR	4.7uF 160V M	
C7110	QETN2AM-226Z	E CAPACITOR	22uF 100V M	
C7111	QETN2AM-226Z	E CAPACITOR	22uF 100V M	
C7112	QFN31HJ-222Z	M CAPACITOR	2200pF 50V J	
C7113	QFN31HJ-222Z	M CAPACITOR	2200pF 50V J	
C7116	QCS32HJ-330Z	C CAPACITOR	33pF 500V J	
C7117	QFN32DK-103	M CAPACITOR	0.01uF 200V K	
C7118	QFN32DK-103	M CAPACITOR	0.01uF 200V K	
C7119	QFK62EK-104Z	MM CAPACITOR	0.1uF 250V K	
C7120	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
R7101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7102	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7103	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7105	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R7106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7107	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description Local
R7110	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J
R7111	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R7112	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R7113	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J
R7114	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J
R7115	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J
R7116	QRG01GJ-150	OMF RESISTOR	15Ω 1W J
R7119	QRG01GJ-220	OMF RESISTOR	22Ω 1W J
R7120	QRL039J-150	OMF RESISTOR	15Ω 3W J
R7121	QRL039J-150	OMF RESISTOR	15Ω 3W J
R7122	QRL039J-150	OMF RESISTOR	15Ω 3W J
R7123	QRL039J-150	OMF RESISTOR	15Ω 3W J
R7124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
CN700J	QJB003-052610	SIN ID C-B WIRE	
H7105	CEHS12B-002Q	HEAT SINK	
H7106	CEHS12B-002Q	HEAT SINK	
K7101	QQR1114-001Z	FERRITE BEADS	

REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC8001	GP1UM281QK	IR DETECT UNIT	38kHz
D8001	MA8068-X	CHIP ZENER DIODE	
C8001	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C8002	QETN1EM-476Z	E CAPACITOR	47uF 25V M
R8001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R8003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R8004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

POWER P.W. BOARD ASS'Y (SRP-9001A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC911	STR-X6737M-F2	IC	
IC921	SE140N	IC	
Q811	UN221C-X	DIGI TRANSISTOR	
Q950	UN221C-X	DIGI TRANSISTOR	
Q952	UN221C-X	DIGI TRANSISTOR	
Q953	2SC3928A/QR/-X	TRANSISTOR	
Q954	UN221C-X	DIGI TRANSISTOR	
Q955	UN2211-X	TRANSISTOR	
Q956	2SC3928A/QR/-X	TRANSISTOR	
Q961	UN221C-X	DIGI TRANSISTOR	
Q962	2SC4682-T	TRANSISTOR	
Q970	2SC3928A/QR/-X	TRANSISTOR	
D815	MA8150/M/-X	Z DIODE	
D816	MA8068/M/-X	CHIP ZENER DIODE	
⚠D901	RBV-606	BRIDGE DIODE	
⚠D911	RGP10J-5025-T3	SI DIODE	
D912	RGP10J-5025-T3	SI DIODE	
D913	MA111-X	SI DIODE	
D914	MA111-X	SI DIODE	
D915	SARS01-T2	SI DIODE	
D920	MA111-X	SI DIODE	
D921	MA8056/M/-X	Z DIODE	
D931	RU4AM-F1	SI DIODE	
D932	31DF6N-FC5	FR DIODE	
D935	RU3YX-LFC4	SI DIODE	
D936	FMX-G12S	SI DIODE	
D937	RGP10J-5025-T3	SI DIODE	
D938	FMX-G12S	SI DIODE	
D939	RD12E/B1/-T2	Z DIODE	
D941	MA8300/H/-X	Z DIODE	
D943	RD12E/B1/-T2	Z DIODE	
D956	MA111-X	SI DIODE	
D957	MA111-X	SI DIODE	
D958	MA8068/M/-X	CHIP ZENER DIODE	
D959	MA111-X	SI DIODE	
D961	MTZJ22B-T2	Z DIODE	
D970	MA8030/H/-X	Z DIODE	
D980	1SR35-400A-T2	SI DIODE	
D981	MA111-X	SI DIODE	
D983	1SR35-400A-T2	SI DIODE	
⚠C801	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C802	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C803	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
C903	NCB31HK-221X	C CAPACITOR	220pF 50V K
⚠C904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
C907	QEZ0572-128	E CAPACITOR	1200uF 200V M
⚠C908	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
C912	QCZ0340-332	C CAPACITOR	3300pF 2kV K
C913	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C914	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C916	QCS31HJ-331Z	C CAPACITOR	330pF 50V J
C917	QFN31HJ-332Z	M CAPACITOR	3300pF 50V J
C918	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J
C920	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C930	QCS31HJ-181Z	C CAPACITOR	180pF 50V J
C931	QEZ0203-227	E CAPACITOR	220uF 160V M
C932	QETM1EM-228	E CAPACITOR	2200uF 25V M
C934	QETM1VM-228	E CAPACITOR	2200uF 35V M
C935	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C937	QCZ0340-152	C CAPACITOR	1500pF 2kV K
C943	QETN1EM-227Z	E CAPACITOR	220uF 25V M
C945	QETM1HM-108	E CAPACITOR	1000uF 50V M
C954	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C955	NCB21AK-105X	C CAPACITOR	1uF 10V K
C962	QETN1VM-477Z	E CAPACITOR	470uF 35V M
⚠C993	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C994	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C995	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C997	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C998	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C999	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠R801	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
R812	QRE121J-104Y	C RESISTOR	100kΩ 1/2W J
R813	QRE121J-104Y	C RESISTOR	100kΩ 1/2W J
R814	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R815	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R816	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R818	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R901	QRF154K-R51	UNF WW RESISTOR	0.51Ω 15W K
R910	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J
R911	QRL029J-393	OMF RESISTOR	39kΩ 2W J
R912	QRT029J-R15	MF RESISTOR	0.15Ω 2W J
R913	QRT029J-R18	MF RESISTOR	0.18Ω 2W J
R917	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R918	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R920	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R922	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R923	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R925	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R932	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R941	QRL039J-333	OMF RESISTOR	33kΩ 3W J
R944	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J
R948	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R957	QRL029J-102	OMF RESISTOR	1kΩ 2W J
R959	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
R961	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R962	QRE121J-153Y	C RESISTOR	15kΩ 1/2W J
R963	QRE121J-153Y	C RESISTOR	15kΩ 1/2W J
R964	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D
R965	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R967	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R968	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R969	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R971	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R973	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R974	QRE121J-153Y	C RESISTOR	15kΩ 1/2W J
R975	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
R976	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R986	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R988	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R989	QRG01GJ-152	OMF RESISTOR	1.5kΩ 1W J
⚠R999	QRZ0111-685	C RESISTOR	6.8MΩ 1/2W K
L931	QQL26AK-470Z	CHOKE COIL	47uH K
⚠T921	QQS0264-001	SW TRANSF	
CN001	QGB1506M1-16	CONNECTOR	B-B (1-16)
CN002	QGB1506M1-16	CONNECTOR	B-B (1-16)
CN003	QGB1506M1-16	CONNECTOR	B-B (1-16)
CN007	QGB1506L1-16	CONNECTOR	B-B (1-16)

⚠Ref No.	Part No.	Part Name	Description	Local
CN008	QGB1506L1-16	CONNECTOR	B-B (1-16)	
⚠CP934	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP936	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP941	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP942	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP943	ICP-N20-Y	IC PROTECTOR	800mA	
⚠F801	QMF61U1-7R0-S	FUSE	7A AC125V	
⚠F905	QMFZ049-5R0Z-E	FUSE	5A 125V	
⚠FR915	QRZ9017-470	FUSI RESISTOR	47Ω 1/4W J	
H901	LC30171-001A	HEAT SINK/FE-P/		
H911	LC31211-001A	HEAT SINK/AL-F/		
H936	CM42862-00J-H	HEAT SINK ASSY		
H940	CEHT11B-002QS	HEAT SINK		
K914	QQR0582-001Z	FERRITE BEADS		
K930	QQR0621-002Z	FERRITE BEADS		
K931	QQR0621-002Z	FERRITE BEADS		
K932	QQR0582-001Z	FERRITE BEADS		
K935	QQR0621-002Z	FERRITE BEADS		
K937	QQR0621-002Z	FERRITE BEADS		
K938	QQR0621-002Z	FERRITE BEADS		
⚠LF801	QQR1407-001	LINE FILTER		
⚠LF802	QQR1407-001	LINE FILTER		
PC811	PS2581AL1/QW/	PHOTO COUPLER		
PC921	PS2581AL1/QW/	PHOTO COUPLER		
⚠RY952	QSK0083-001	RELAY		
⚠VA801	QAF0060-621	VARISTOR	620V	

FRONT CONTROL P.W. BOARD ASS'Y (SRP0L001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC0703	BA05FP-X	IC		
Q0701	2SC3928A/QR/-X	TRANSISTOR		
Q0702	2SC3928A/QR/-X	TRANSISTOR		
D0402	MA8100/M/-X	Z DIODE		
D0403	MA8100/M/-X	Z DIODE		
D0404	MA8100/M/-X	Z DIODE		
D0405	MA8100/M/-X	Z DIODE		
D0406	MA8100/M/-X	Z DIODE		
D0701	HLMP-NS30-J0000	LED	POWER	
D0703	MA8068-X	CHIP ZENER DIODE		
D0704	MA8068-X	CHIP ZENER DIODE		
D0735	MA8100/M/-X	Z DIODE		
C0442	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C0443	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C0444	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C0445	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C0446	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C0710	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C0711	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C0712	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R0401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R0402	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R0403	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R0404	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R0405	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R0413	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0414	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0416	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0706	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R0707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0708	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0711	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R0712	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0732	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0748	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0749	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R0750	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0751	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
J0401	QNZ0438-001	AV JACK	S/V/L/R IN	
S0701	QSW0619-003Z	TACT SWITCH	POWER	
S0702	QSW0619-003Z	TACT SWITCH	MENU	
S0703	QSW0619-003Z	TACT SWITCH	CH-	
S0704	QSW0619-003Z	TACT SWITCH	CH+	
S0705	QSW0619-003Z	TACT SWITCH	VOL-	
S0706	QSW0619-003Z	TACT SWITCH	VOL+	
S0707	QSW0619-003Z	TACT SWITCH	SUPER FOCUS	

DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7803A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
MD001	SRP-7803A-M2	DIGITAL INPUT MODULE PWB		

DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K003A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
MD001	SRP0K003A-M2	DIGITAL CONVERGENCE MODULE PWB		

MI-CON & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
MD001	SRP0D001A-M2	MI-CON & DIST MODULE PWB		

PRINTED WIRING BOARD PARTS LIST [AV-56P575/H]

MAIN P.W. BOARD ASS'Y (SRP-1004A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	L7805CP	IC		
IC1140	CXA2205Q-X	IC		
IC1211	TA1318N	IC		
IC1212	SN74AHC2G08T-X	IC		
IC1301	AN15852A	IC		
IC1501	CXA2069Q	IC		
IC1502	M62320FP-X	IC		
IC1511	PQ033RD01SZ	IC		
IC1641	NJM2150AM-X	IC		
IC1661	AN5277	IC		
IC1703	AT24C128-56P585	IC	(SERVICE)	
IC1802	BA033T	REGULATOR IC		
IC1941	PQ1CG21H2FZ	IC		
IC1942	SI-8050JD-W	IC		
IC1943	PQ1CY1032Z-W	IC		
IC1981	PQ070XZ01Z-X	IC		
IC1991	PQ12RD11	IC		
IC1993	MM1565AF-X	IC		
IC3001	MN82832	IC		
IC3002	R1170H331B-X	IC		
IC6001	NJM2701M-X	IC		
Q0701	2SK2090-X	MOS FET		
Q0702	2SK2090-X	MOS FET		
Q1101	2SA1530A/QR/-X	TRANSISTOR		
Q1102	2SC3928A/QR/-X	TRANSISTOR		
Q1232	2SA1530A/QR/-X	TRANSISTOR		
Q1252	2SA1530A/QR/-X	TRANSISTOR		
Q1253	2SC3928A/QR/-X	TRANSISTOR		
Q1254	2SA1530A/QR/-X	TRANSISTOR		
Q1255	2SC3928A/QR/-X	TRANSISTOR		
Q1301	2SC3837K/NP/-X	TRANSISTOR		
Q1302	2SC3837K/NP/-X	TRANSISTOR		
Q1303	2SC3837K/NP/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1511	2SC3928A/QR/-X	TRANSISTOR		
Q1531	2SC3928A/QR/-X	TRANSISTOR		
Q1668	UN2213-X	DIGI TRANSISTOR		
Q1669	2SC3928A/QR/-X	TRANSISTOR		
Q1671	UN2213-X	DIGI TRANSISTOR		
Q1672	2SC3928A/QR/-X	TRANSISTOR		
Q1673	2SA1530A/QR/-X	TRANSISTOR		
Q1674	2SC3928A/QR/-X	TRANSISTOR		
Q1712	2SA1530A/QR/-X	TRANSISTOR		
Q1713	2SC2785/JH/-T	SI TRANSISTOR		
Q1714	2SA1530A/QR/-X	TRANSISTOR		
Q1961	2SC3928A/QR/-X	TRANSISTOR		
Q1962	2SC3928A/QR/-X	TRANSISTOR		
Q1964	2SC3928A/QR/-X	TRANSISTOR		
Q1965	UN2213-X	DIGI TRANSISTOR		
Q1966	UN2213-X	DIGI TRANSISTOR		
Q1967	UN2213-X	DIGI TRANSISTOR		
Q1981	2SC4682-T	TRANSISTOR		
Q1984	2SC4682-T	TRANSISTOR		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3002	2SC3928A/QR/-X	TRANSISTOR		
Q3003	2SA1530A/QR/-X	TRANSISTOR		
Q3004	2SC3928A/QR/-X	TRANSISTOR		
Q3005	2SC3928A/QR/-X	TRANSISTOR		
Q3006	2SA1530A/QR/-X	TRANSISTOR		
Q3007	2SA1530A/QR/-X	TRANSISTOR		
Q3501	2SA1530A/QR/-X	TRANSISTOR		
Q3502	2SC3928A/QR/-X	TRANSISTOR		
Q3505	2SA1530A/QR/-X	TRANSISTOR		
Q3506	2SC3928A/QR/-X	TRANSISTOR		
Q3509	2SA1530A/QR/-X	TRANSISTOR		
Q3510	2SC3928A/QR/-X	TRANSISTOR		
Q6001	2SC3928A/QR/-X	TRANSISTOR		
Q6002	2SC3928A/QR/-X	TRANSISTOR		
D1093	MA8082/M/-X	Z DIODE		
D1140	MA8100/M/-X	Z DIODE		
D1141	MA8100/M/-X	Z DIODE		
D1145	MA8082/M/-X	Z DIODE		
D1146	MA8082/M/-X	Z DIODE		
D1251	MA8100/M/-X	Z DIODE		
D1252	MA8100/M/-X	Z DIODE		
D1253	MA111-X	SI DIODE		
D1301	MA8100/M/-X	Z DIODE		
D1302	MA8100/M/-X	Z DIODE		
D1305	MA8100/M/-X	Z DIODE		
D1306	MA8100/M/-X	Z DIODE		
D1401	MA111-X	SI DIODE		
D1402	UDZS5.1B-X	Z DIODE		
D1403	MA111-X	SI DIODE		
D1513	MA111-X	SI DIODE		
D1596	MA8100/M/-X	Z DIODE		
D1667	MA111-X	SI DIODE		
D1668	MA111-X	SI DIODE		
D1669	MA111-X	SI DIODE		
D1702	MA111-X	SI DIODE		
D1703	MA111-X	SI DIODE		
D1704	MA8100/M/-X	Z DIODE		
D1705	MA8100/M/-X	Z DIODE		
D1712	MA111-X	SI DIODE		
D1802	MA111-X	SI DIODE		
D1895	MA8082/M/-X	Z DIODE		
D1896	MA8082/M/-X	Z DIODE		
D1897	MA8051/M/-X	Z DIODE		
D1898	MA8051/M/-X	Z DIODE		
D1947	EC31QS04-X	SB DIODE		
D1948	EC31QS04-X	SB DIODE		
D1949	EC31QS04-X	SB DIODE		
D1962	MA3030/H/-X	Z DIODE		
D1964	MA111-X	SI DIODE		
D1965	MA111-X	SI DIODE		
D1967	PTZ6.8B-X	Z DIODE		
D1968	PTZ3.9B-X	Z DIODE		
D1969	PTZ11B-X	Z DIODE		
D1981	MA111-X	SI DIODE		
D1991	MA111-X	SI DIODE		
D1993	MA111-X	SI DIODE		
D2101	MA8100/M/-X	Z DIODE		
D2121	MA8100/M/-X	Z DIODE		
D2201	MA8100/M/-X	Z DIODE		
D2204	MA8100/M/-X	Z DIODE		
D2205	MA8100/M/-X	Z DIODE		
D2206	MA8100/M/-X	Z DIODE		
D2209	MA8100/M/-X	Z DIODE		
D2210	MA8100/M/-X	Z DIODE		
D2212	MA8100/M/-X	Z DIODE		
D2213	MA8100/M/-X	Z DIODE		
D2215	MA8100/M/-X	Z DIODE		
D2216	MA8100/M/-X	Z DIODE		
D2217	MA8100/M/-X	Z DIODE		
D2218	MA8100/M/-X	Z DIODE		
D2219	MA8100/M/-X	Z DIODE		
D2401	MA8100/M/-X	Z DIODE		
D2402	MA8100/M/-X	Z DIODE		
D2403	MA8100/M/-X	Z DIODE		
D2404	MA8100/M/-X	Z DIODE		
D2406	MA8100/M/-X	Z DIODE		
D2421	MA8100/M/-X	Z DIODE		
D2422	MA8100/M/-X	Z DIODE		
C1101	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1102	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1103	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1140	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1141	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1144	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1145	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1146	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1147	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1148	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1149	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1150	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1151	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1152	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1153	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C1154	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C1155	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1156	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1157	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1158	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1159	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1160	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1161	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1162	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1163	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C1164	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1165	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C1166	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1167	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1168	QETN1HM-105Z	E CAPACITOR	1uF 50V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C1169	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1170	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1171	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1172	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1213	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1214	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1215	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C1216	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1218	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1219	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1233	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C1257	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1258	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1301	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1302	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1303	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1304	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1307	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C1308	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1311	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1312	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1313	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1322	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1323	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1324	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1325	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1326	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1327	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1328	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1329	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1331	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1332	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1333	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1341	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1342	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1343	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1352	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1353	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1355	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1371	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1372	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1381	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1382	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1391	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1403	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C1404	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C1405	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C1406	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C1409	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1412	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1416	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1417	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1418	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1421	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C1423	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1442	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1502	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1510	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C1519	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1532	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1539	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1540	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C1553	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1554	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1555	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1556	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1557	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1579	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1641	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
C1642	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C1643	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C1645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1646	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1647	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1648	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1651	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C1652	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C1653	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C1667	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1668	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1669	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1670	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1671	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1672	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1673	QETN1HM-477Z	E CAPACITOR	470uF 50V M	
C1674	QETM1HM-108	E CAPACITOR	1000uF 50V M	
C1675	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C1676	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C1677	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C1678	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C1679	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1680	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1696	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1697	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1702	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1712	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C1806	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1807	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1941	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C1942	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C1943	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1944	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C1945	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C1946	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1947	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1948	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1949	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C1950	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C1951	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C1952	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C1953	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C1955	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1961	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1981	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1984	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C1985	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C1991	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1992	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1994	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1995	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1996	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2103	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2104	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2106	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2124	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2126	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2127	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2128	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2144	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2145	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2146	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2302	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2303	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2322	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2323	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2341	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2342	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2343	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3001	QENC1AM-336Z	BP E CAPACITOR	33uF 10V M	
C3002	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C3003	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C3004	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C3005	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3007	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3008	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C3009	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C3010	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C3011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C3012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3014	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3017	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3020	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description Local
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3025	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3027	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J
C3028	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J
C3029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3032	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C3033	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C3034	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C3035	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C3036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3041	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3042	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3044	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3045	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3046	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3047	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3048	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3049	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3050	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3052	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3053	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3054	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3055	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3056	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3057	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3058	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3059	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C3060	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3061	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C3062	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3063	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C3064	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3065	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3067	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C3068	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3069	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C3070	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3071	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3077	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3078	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3079	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C3080	QBTC1CK-106Z	TA E CAPACITOR	10uF 16V K
C3082	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C3086	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C3088	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C3089	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C3090	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C3099	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3100	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3502	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3503	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C3504	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3506	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3508	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3509	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C3510	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3512	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3514	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3515	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C3516	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3518	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3519	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M
C3520	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M
C3521	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M
C6001	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C6002	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C6003	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6004	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6005	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C6006	NCB31CK-273X	C CAPACITOR	0.027uF 16V K
C6007	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6008	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C6009	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C6010	QETN1HM-106Z	E CAPACITOR	10uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local
R0705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0706	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1097	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1107	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1111	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1140	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J
R1141	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1142	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1143	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1144	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1145	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1147	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R1149	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1151	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J
R1152	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1157	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1218	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1219	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1226	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1228	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1229	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1230	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1231	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1232	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1234	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1240	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1261	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1262	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1266	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1267	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1268	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1269	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1272	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1282	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
R1283	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1284	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1285	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1286	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1287	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1337	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1347	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1375	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1378	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1385	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1395	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1421	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R1422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1423	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1501	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1502	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1505	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1511	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1513	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1521	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1525	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1526	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1527	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1529	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1530	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1533	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1534	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1536	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1537	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1538	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1539	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1560	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1577	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1578	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1579	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1611	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1612	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1615	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1616	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1641	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1642	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1643	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1651	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1652	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1653	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1665	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1666	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1667	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1668	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1669	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1670	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1671	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R1672	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R1673	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R1674	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R1680	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1681	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1691	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1694	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1695	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1696	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1712	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1713	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1714	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1715	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1718	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1899	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1900	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1942	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
R1943	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D
⚠R1944	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J
R1945	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1946	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1949	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
R1950	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R1952	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1953	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1957	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D
R1959	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
R1961	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1962	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1963	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1964	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1965	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1966	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1967	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1968	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1969	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1971	QRT039J-R68	MF RESISTOR	0.68Ω 3W J
R1975	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1978	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
⚠R1981	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J
R1982	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R1983	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R1984	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R1985	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
⚠R1986	QRK126J-331X	UNF C RESISTOR	330Ω 1/2W J
R1991	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1992	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2104	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2106	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2122	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2123	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2125	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2126	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2127	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2144	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2145	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2146	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2305	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2308	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2325	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2328	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R3001	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3002	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R3003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3004	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R3005	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R3006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3009	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3010	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3012	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3013	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R3014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3015	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R3016	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R3017	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3020	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3021	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3023	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R3024	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3025	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3026	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3027	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R3028	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R3029	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R3030	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R3039	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3040	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3045	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3047	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R3048	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R3049	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R3050	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R3051	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3052	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R3053	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3054	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3055	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R3058	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3059	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3060	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3503	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3504	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R3505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3507	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3509	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3511	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3516	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R3518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3519	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3520	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R3521	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3523	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R3532	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R3534	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3535	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3536	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R3537	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3548	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R3549	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3550	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3551	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3552	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3553	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3554	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3555	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6002	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6007	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6009	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
RA3001	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J
RA3002	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J
RA3003	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J
RA3004	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J
L1211	QQL244K-100Z	PEAKING COIL	10uH K
L1401	QQL244K-100Z	PEAKING COIL	10uH K
L1402	QQL26AK-100Z	CHOKE COIL	10uH K
L1941	QQR1401-001	CHOKE COIL	
L1942	QQR1401-001	CHOKE COIL	
L1943	QQL26AK-330Z	CHOKE COIL	33uH K
L1944	QQL26AK-330Z	CHOKE COIL	33uH K
L1945	QQL26AK-220Z	CHOKE COIL	22uH K
L1946	QQL26AK-220Z	CHOKE COIL	22uH K
L1947	QQR1401-001	CHOKE COIL	
L1948	QQL26AK-100Z	CHOKE COIL	10uH K
L1950	QQL26AK-470Z	CHOKE COIL	47uH K
L1951	QQL26AK-470Z	CHOKE COIL	47uH K
L1952	QQL26AK-470Z	CHOKE COIL	47uH K
L1983	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
L3001	NQL092K-6R8X	COIL	6.8uH K
L3002	NQL092K-6R8X	COIL	6.8uH K
L3003	NQR0413-003X	FERRITE BEADS	
L3004	NQR0413-003X	FERRITE BEADS	
L3007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3501	NQL092K-6R8X	COIL	6.8uH K
L3502	NQL092K-6R8X	COIL	6.8uH K
L3503	NQL092K-6R8X	COIL	6.8uH K
CN1001	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1002	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1003	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN100Q	WJP0053-004A	E-SH C WIRE C-B	
CN10AU	WJP0052-002A	E-SH C WIRE C-B	
CN10DC	QJB003-043014	SIN ID C-B WIRE	
CN10SR	QJB003-052610	SIN ID C-B WIRE	
H1661	LC30145-003A	HEAT SINK/AL-F/	
H1802	CM42862-A0A	HEAT SINK ASSY	
J1091	QNS0242-001	3.5 JACK	AV COMPULINK
J2101	QNN0628-001	PIN JACK	V/L IN
J2102	QNN0629-001	PIN JACK	R IN/L/R OUT/CENTER CH IN
J2111	QND0121-001	S JACK	S IN
J2121	QNN0638-001	PIN JACK	COMP-1/-2 IN
K1943	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
K1944	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
LC1301	QQR1199-001	EMI FILTER	
LC1302	QQR1199-001	EMI FILTER	
LC1303	QQR1199-001	EMI FILTER	
LC2301	QQR1199-001	EMI FILTER	
LC2302	QQR1199-001	EMI FILTER	
LC2303	QQR1199-001	EMI FILTER	
LC2321	QQR1199-001	EMI FILTER	
LC2322	QQR1199-001	EMI FILTER	
LC2323	QQR1199-001	EMI FILTER	
LC2341	QQR1199-001	EMI FILTER	
LC2342	QQR1199-001	EMI FILTER	
LC2343	QQR1199-001	EMI FILTER	
LC3001	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3002	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3003	NQR0483-005X	EMI FILTER	
LC3004	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3005	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3006	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3007	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3008	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3501	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3502	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3503	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
SL1211	CSB503F30-T2	C RESONATOR	
⚠TU1101	QAU0352-001	TUNER	
X3001	NAX0570-001X	CRYSTAL	27.000MHz

DEF / CONVERGENCE OUT P.W. BOARD ASS'Y (SRP-2002A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

VM P.W. BOARD ASS'Y (SRP-7201A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SRP-9001A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SRP0L001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7804A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
MD001	SRP-7804A-M2	DIGITAL INPUT MODULE PWB	

DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K002A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
MD001	SRP0K002A-M2	DIGITAL CONVERGENCE MODULE PWB	

MI-CON & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-56P585/H]

MAIN P.W. BOARD ASS'Y (SRP-1002A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC1101	L7805CP	IC	
IC1140	CXA2205Q-X	IC	
IC1211	TA1318N	IC	
IC1212	SN74AHC2G08T-X	IC	
IC1301	AN15852A	IC	
IC1501	CXA2069Q	IC	
IC1502	M62320FP-X	IC	
IC1511	PQ033RD01SZ	IC	
IC1641	NJM2150AM-X	IC	
IC1661	AN5277	IC	
IC1703	AT24C128-56P585	IC	(SERVICE)
IC1802	BA033T	REGULATOR IC	
IC1941	PQ1CG21H2FZ	IC	
IC1942	SI-8050JD-W	IC	
IC1943	PQ1CY1032Z-W	IC	
IC1981	PQ070XZ01Z-X	IC	
IC1991	PQ12RD11	IC	
IC1993	MM1565AF-X	IC	
IC3001	MN82832	IC	
IC3002	R1170H331B-X	IC	
IC6001	NJM2701M-X	IC	
Q0701	2SK2090-X	MOS FET	
Q0702	2SK2090-X	MOS FET	
Q1101	2SA1530A/QR/-X	TRANSISTOR	
Q1102	2SC3928A/QR/-X	TRANSISTOR	
Q1232	2SA1530A/QR/-X	TRANSISTOR	
Q1252	2SA1530A/QR/-X	TRANSISTOR	
Q1253	2SC3928A/QR/-X	TRANSISTOR	
Q1254	2SA1530A/QR/-X	TRANSISTOR	
Q1255	2SC3928A/QR/-X	TRANSISTOR	
Q1301	2SC3837K/NP/-X	TRANSISTOR	
Q1302	2SC3837K/NP/-X	TRANSISTOR	
Q1303	2SC3837K/NP/-X	TRANSISTOR	
Q1401	2SC3928A/QR/-X	TRANSISTOR	
Q1511	2SC3928A/QR/-X	TRANSISTOR	
Q1531	2SC3928A/QR/-X	TRANSISTOR	
Q1668	UN2213-X	DIGI TRANSISTOR	
Q1669	2SC3928A/QR/-X	TRANSISTOR	
Q1671	UN2213-X	DIGI TRANSISTOR	
Q1672	2SC3928A/QR/-X	TRANSISTOR	
Q1673	2SA1530A/QR/-X	TRANSISTOR	
Q1674	2SC3928A/QR/-X	TRANSISTOR	
Q1712	2SA1530A/QR/-X	TRANSISTOR	
Q1713	2SC2785/JH/-T	SI TRANSISTOR	
Q1714	2SA1530A/QR/-X	TRANSISTOR	
Q1961	2SC3928A/QR/-X	TRANSISTOR	
Q1962	2SC3928A/QR/-X	TRANSISTOR	
Q1964	2SC3928A/QR/-X	TRANSISTOR	
Q1965	UN2213-X	DIGI TRANSISTOR	
Q1966	UN2213-X	DIGI TRANSISTOR	
Q1967	UN2213-X	DIGI TRANSISTOR	
Q1981	2SC4682-T	TRANSISTOR	
Q1984	2SC4682-T	TRANSISTOR	
Q3001	2SC3928A/QR/-X	TRANSISTOR	
Q3002	2SC3928A/QR/-X	TRANSISTOR	
Q3003	2SA1530A/QR/-X	TRANSISTOR	
Q3004	2SC3928A/QR/-X	TRANSISTOR	
Q3005	2SC3928A/QR/-X	TRANSISTOR	
Q3006	2SA1530A/QR/-X	TRANSISTOR	
Q3007	2SA1530A/QR/-X	TRANSISTOR	
Q3501	2SA1530A/QR/-X	TRANSISTOR	
Q3502	2SC3928A/QR/-X	TRANSISTOR	
Q3505	2SA1530A/QR/-X	TRANSISTOR	
Q3506	2SC3928A/QR/-X	TRANSISTOR	
Q3509	2SA1530A/QR/-X	TRANSISTOR	
Q3510	2SC3928A/QR/-X	TRANSISTOR	
Q6001	2SC3928A/QR/-X	TRANSISTOR	
Q6002	2SC3928A/QR/-X	TRANSISTOR	
D1093	MA8082/M/-X	Z DIODE	
D1140	MA8100/M/-X	Z DIODE	
D1141	MA8100/M/-X	Z DIODE	
D1145	MA8082/M/-X	Z DIODE	
D1146	MA8082/M/-X	Z DIODE	
D1251	MA8100/M/-X	Z DIODE	
D1252	MA8100/M/-X	Z DIODE	
D1253	MA111-X	SI DIODE	
D1301	MA8100/M/-X	Z DIODE	
D1302	MA8100/M/-X	Z DIODE	
D1305	MA8100/M/-X	Z DIODE	
D1306	MA8100/M/-X	Z DIODE	

⚠Ref No.	Part No.	Part Name	Description Local
D1401	MA111-X	SI DIODE	
D1402	UDZS5.1B-X	Z DIODE	
D1403	MA111-X	SI DIODE	
D1513	MA111-X	SI DIODE	
D1596	MA8100/M/-X	Z DIODE	
D1667	MA111-X	SI DIODE	
D1668	MA111-X	SI DIODE	
D1669	MA111-X	SI DIODE	
D1702	MA111-X	SI DIODE	
D1703	MA111-X	SI DIODE	
D1704	MA8100/M/-X	Z DIODE	
D1705	MA8100/M/-X	Z DIODE	
D1712	MA111-X	SI DIODE	
D1802	MA111-X	SI DIODE	
D1895	MA8082/M/-X	Z DIODE	
D1896	MA8082/M/-X	Z DIODE	
D1897	MA8051/M/-X	Z DIODE	
D1898	MA8051/M/-X	Z DIODE	
D1947	EC31QS04-X	SB DIODE	
D1948	EC31QS04-X	SB DIODE	
D1949	EC31QS04-X	SB DIODE	
D1962	MA3030/H/-X	Z DIODE	
D1964	MA111-X	SI DIODE	
D1965	MA111-X	SI DIODE	
D1967	PTZ6.8B-X	Z DIODE	
D1968	PTZ3.9B-X	Z DIODE	
D1969	PTZ11B-X	Z DIODE	
D1981	MA111-X	SI DIODE	
D1991	MA111-X	SI DIODE	
D1993	MA111-X	SI DIODE	
D2101	MA8100/M/-X	Z DIODE	
D2121	MA8100/M/-X	Z DIODE	
D2201	MA8100/M/-X	Z DIODE	
D2204	MA8100/M/-X	Z DIODE	
D2205	MA8100/M/-X	Z DIODE	
D2206	MA8100/M/-X	Z DIODE	
D2209	MA8100/M/-X	Z DIODE	
D2210	MA8100/M/-X	Z DIODE	
D2212	MA8100/M/-X	Z DIODE	
D2213	MA8100/M/-X	Z DIODE	
D2215	MA8100/M/-X	Z DIODE	
D2216	MA8100/M/-X	Z DIODE	
D2217	MA8100/M/-X	Z DIODE	
D2218	MA8100/M/-X	Z DIODE	
D2219	MA8100/M/-X	Z DIODE	
D2401	MA8100/M/-X	Z DIODE	
D2402	MA8100/M/-X	Z DIODE	
D2403	MA8100/M/-X	Z DIODE	
D2404	MA8100/M/-X	Z DIODE	
D2406	MA8100/M/-X	Z DIODE	
D2421	MA8100/M/-X	Z DIODE	
D2422	MA8100/M/-X	Z DIODE	
C1101	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1102	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1103	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1140	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1141	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1144	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1145	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C1146	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1147	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1148	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1149	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1150	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1151	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1152	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1153	NCB31HK-562X	C CAPACITOR	5600pF 50V K
C1154	NCB31HK-123X	C CAPACITOR	0.012uF 50V K
C1155	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1156	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1157	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1158	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1159	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1160	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1161	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1162	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1163	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C1164	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C1165	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C1166	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1167	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1168	QETN1HM-105Z	E CAPACITOR	1uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local
C1169	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1170	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1171	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1172	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1213	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1214	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1215	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J
C1216	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1218	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1219	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1233	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C1257	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1258	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1301	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1302	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1303	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1304	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1307	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1308	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1311	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1312	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1313	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1322	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1323	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1324	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1325	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1326	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1327	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1328	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1329	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1331	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1332	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1333	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1341	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1342	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1343	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1352	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1353	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1355	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1371	QETN1CM-336Z	E CAPACITOR	33uF 16V M
C1372	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1381	QETN1CM-336Z	E CAPACITOR	33uF 16V M
C1382	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1391	QETN1CM-336Z	E CAPACITOR	33uF 16V M
C1392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1403	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C1404	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C1405	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C1406	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C1409	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1412	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1416	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1417	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1418	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1421	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C1423	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C1442	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1502	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1510	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M
C1519	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1532	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C1539	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1540	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C1553	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1554	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1555	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1556	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1557	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1579	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1641	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C1642	NCB31CK-153X	C CAPACITOR	0.015uF 16V K
C1643	NCB31CK-473X	C CAPACITOR	0.047uF 16V K
C1645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1646	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1647	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C1648	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1651	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local
C1652	NCB31CK-153X	C CAPACITOR	0.015uF 16V K
C1653	NCB31CK-473X	C CAPACITOR	0.047uF 16V K
C1667	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1668	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1669	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1670	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1671	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1672	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1673	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C1674	QETM1HM-108	E CAPACITOR	1000uF 50V M
C1675	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J
C1676	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J
C1677	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1678	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1679	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1680	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1696	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1697	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1702	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1712	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C1806	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1807	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1941	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1942	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C1943	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1944	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1945	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1946	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1947	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1948	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1949	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1950	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1951	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1952	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1953	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
C1955	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1961	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1981	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1984	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1985	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M
C1991	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C1992	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1994	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1995	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1996	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2103	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2104	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2106	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2124	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2126	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2127	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2128	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2144	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2145	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2146	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2302	NCB21CK-105X	C CAPACITOR	1uF 16V K
C2303	NCB21CK-105X	C CAPACITOR	1uF 16V K
C2322	NCB21CK-105X	C CAPACITOR	1uF 16V K
C2323	NCB21CK-105X	C CAPACITOR	1uF 16V K
C2341	NCB21CK-105X	C CAPACITOR	1uF 16V K
C2342	NCB21CK-105X	C CAPACITOR	1uF 16V K
C2343	NCB21CK-105X	C CAPACITOR	1uF 16V K
C3001	QENC1AM-336Z	BP E CAPACITOR	33uF 10V M
C3002	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C3003	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C3004	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3005	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3007	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3008	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C3009	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C3010	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3014	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3017	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3020	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3025	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3027	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J
C3028	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J
C3029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3032	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C3033	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C3034	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C3035	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C3036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3041	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3042	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3044	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3045	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3046	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3047	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3048	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3049	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3050	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3052	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3053	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3054	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3055	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3056	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3057	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3058	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3059	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C3060	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3061	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C3062	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3063	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C3064	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3065	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3067	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C3068	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3069	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C3070	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3071	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3077	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3078	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3079	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C3080	QBTC1CK-106Z	TA E CAPACITOR	10uF 16V K
C3082	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C3086	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C3088	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C3089	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C3090	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C3099	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3100	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3502	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3503	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C3504	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3506	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3508	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3509	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C3510	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3512	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3514	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3515	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C3516	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3518	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3519	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M
C3520	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M
C3521	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M
C6001	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C6002	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C6003	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6004	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6005	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C6006	NCB31CK-273X	C CAPACITOR	0.027uF 16V K
C6007	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6008	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C6009	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C6010	QETN1HM-106Z	E CAPACITOR	10uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local
R0705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0706	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1097	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1107	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1111	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1140	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J
R1141	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1142	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1143	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1144	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1145	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1147	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R1149	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1151	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J
R1152	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1157	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1218	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1219	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1226	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1228	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1229	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1230	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1231	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1232	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1234	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1240	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1261	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1262	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1266	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1267	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1268	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1269	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1272	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1282	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
R1283	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1284	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1285	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1286	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1287	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1337	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1347	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1375	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1378	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1385	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1395	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1421	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R1422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1423	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1501	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1502	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1505	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1511	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1513	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1521	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description	Local
R1525	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1526	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1527	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1529	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1530	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1533	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1534	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1536	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1537	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1538	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1539	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1560	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1577	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1578	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1579	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1611	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1612	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1615	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1616	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1641	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1642	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1643	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1651	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1652	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1653	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1665	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1666	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1667	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1668	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1669	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1670	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1671	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R1672	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R1673	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R1674	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R1680	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1681	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1691	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1694	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1695	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1696	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1712	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1713	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1714	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1715	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1718	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1899	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1900	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1942	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	
R1943	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	
⚠R1944	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R1945	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1946	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1949	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	
R1950	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D	
R1952	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1953	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R1957	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R1959	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R1961	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1962	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1963	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1964	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1965	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1966	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R1967	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1968	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1969	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1971	QRT039J-R68	MF RESISTOR	0.68Ω 3W J	
R1975	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1978	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
⚠R1981	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	
R1982	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1983	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1984	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1985	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
⚠R1986	QRK126J-331X	UNF C RESISTOR	330Ω 1/2W J	
R1991	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1992	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2104	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2106	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2122	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2123	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2125	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2126	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2127	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2144	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2145	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2146	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2305	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2308	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2325	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2328	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3001	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3002	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3004	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3005	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R3006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3009	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3010	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3012	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3013	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3015	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3016	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R3017	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3020	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3021	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3023	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3024	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R3025	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R3026	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R3027	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3028	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3029	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3030	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3039	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3040	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3045	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3047	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3048	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R3049	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3050	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3051	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3052	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R3053	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3054	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3055	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3058	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3059	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3060	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3503	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R3504	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R3505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3507	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3509	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3511	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3516	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R3518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3519	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R3520	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R3521	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3523	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description Local
R3532	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R3534	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3535	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3536	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R3537	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3548	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R3549	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3550	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3551	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3552	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3553	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3554	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3555	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6002	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6007	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6009	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
RA3001	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J
RA3002	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J
RA3003	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J
RA3004	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J
L1211	QQL244K-100Z	PEAKING COIL	10uH K
L1401	QQL244K-100Z	PEAKING COIL	10uH K
L1402	QQL26AK-100Z	CHOKE COIL	10uH K
L1941	QQR1401-001	CHOKE COIL	
L1942	QQR1401-001	CHOKE COIL	
L1943	QQL26AK-330Z	CHOKE COIL	33uH K
L1944	QQL26AK-330Z	CHOKE COIL	33uH K
L1945	QQL26AK-220Z	CHOKE COIL	22uH K
L1946	QQL26AK-220Z	CHOKE COIL	22uH K
L1947	QQR1401-001	CHOKE COIL	
L1948	QQL26AK-100Z	CHOKE COIL	10uH K
L1950	QQL26AK-470Z	CHOKE COIL	47uH K
L1951	QQL26AK-470Z	CHOKE COIL	47uH K
L1952	QQL26AK-470Z	CHOKE COIL	47uH K
L1983	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
L3001	NQL092K-6R8X	COIL	6.8uH K
L3002	NQL092K-6R8X	COIL	6.8uH K
L3003	NQR0413-003X	FERRITE BEADS	
L3004	NQR0413-003X	FERRITE BEADS	
L3007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3501	NQL092K-6R8X	COIL	6.8uH K
L3502	NQL092K-6R8X	COIL	6.8uH K
L3503	NQL092K-6R8X	COIL	6.8uH K
CN1001	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1002	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1003	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN100Q	WJP0053-004A	E-SH C WIRE C-B	
CN10AU	WJP0052-002A	E-SH C WIRE C-B	
CN10DC	QJB003-043014	SIN ID C-B WIRE	
CN10SR	QJB003-052610	SIN ID C-B WIRE	
H1661	LC30145-003A	HEAT SINK/AL-F/	
H1802	CM42862-A0A	HEAT SINK ASSY	
J1091	QNS0242-001	3.5 JACK	AV COMPULINK
J2101	QNN0628-001	PIN JACK	V/L IN
J2102	QNN0629-001	PIN JACK	R IN/L/R OUT/CENTER CH IN
J2111	QND0121-001	S JACK	S IN
J2121	QNN0638-001	PIN JACK	COMP-1/-2 IN
K1943	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
K1944	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
LC1301	QQR1199-001	EMI FILTER	
LC1302	QQR1199-001	EMI FILTER	
LC1303	QQR1199-001	EMI FILTER	
LC2301	QQR1199-001	EMI FILTER	
LC2302	QQR1199-001	EMI FILTER	
LC2303	QQR1199-001	EMI FILTER	
LC2321	QQR1199-001	EMI FILTER	
LC2322	QQR1199-001	EMI FILTER	
LC2323	QQR1199-001	EMI FILTER	
LC2341	QQR1199-001	EMI FILTER	
LC2342	QQR1199-001	EMI FILTER	
LC2343	QQR1199-001	EMI FILTER	
LC3001	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3002	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3003	NQR0483-005X	EMI FILTER	
LC3004	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3005	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3006	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3007	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3008	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC3501	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3502	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC3503	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
SL1211	CSB503F30-T2	C RESONATOR	
⚠TU1101	QAU0352-001	TUNER	
X3001	NAX0570-001X	CRYSTAL	27.000MHz

DEF / CONVERGENCE OUT P.W. BOARD ASS'Y (SRP-2002A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

VM P.W. BOARD ASS'Y (SRP-7201A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SRP-9001A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SRP0L001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7802A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
	SRP-7802A-M2	DIGITAL INPUT MODULE PWB	

DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K002A-M2)

REFER TO PARTS LIST IN PAGE 3-21 FOR THIS P.W. BOARD.

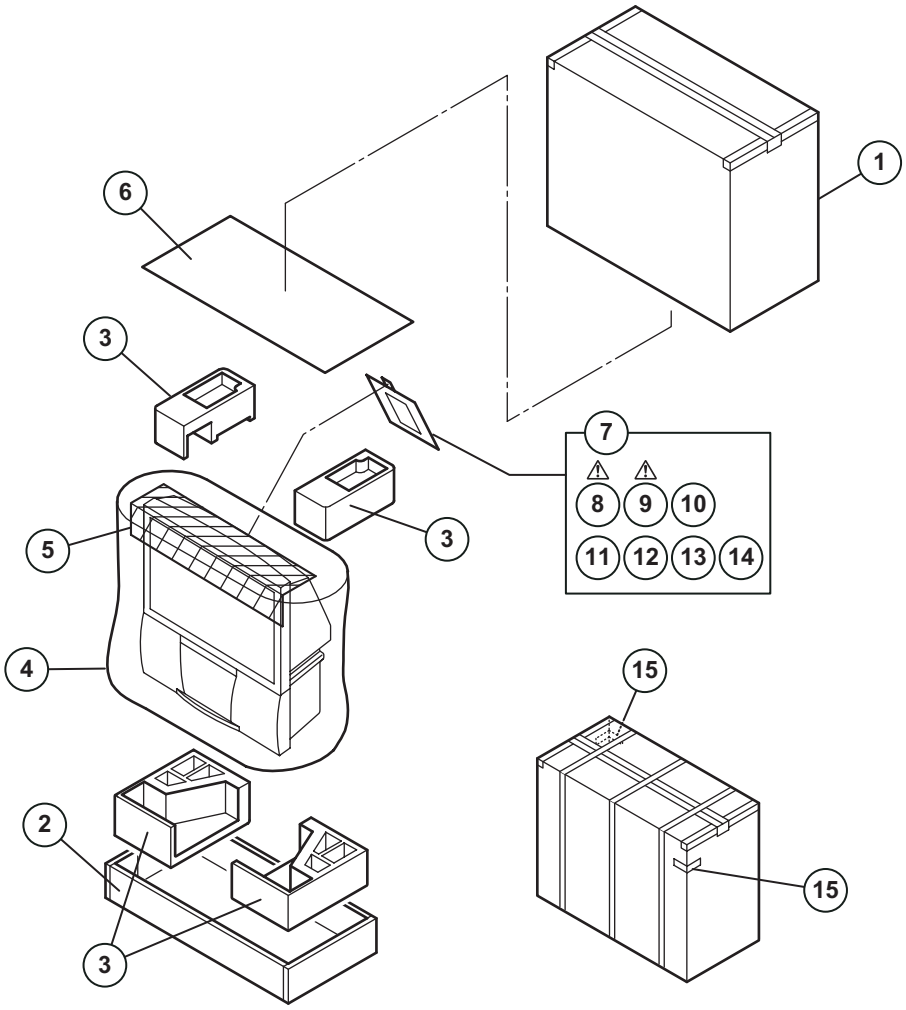
MI-CON & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST (RM-C1257G-1H)

⚠	Ref No.	Part No.	Part Name	Description	Local
		UR77EC0603	BATTERY COVER		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC11253-004A-A	PACKING CASE (TOP)		AV-48P575/H
	1	LC11253-005A-A	PACKING CASE (TOP)		AV-56P575/H,AV-56P585/H
	2	LC31759-001C-A	PACKING CASE (BOTTOM)		AV-48P575/H
	2	LC31759-002B-A	PACKING CASE (BOTTOM)		AV-56P575/H,AV-56P585/H
	3	LC11790-002B-A	CUSHION ASSY	4pcs in 1set	AV-48P575/H
	3	LC11811-002B-A	CUSHION ASSY	4pcs in 1set	AV-56P575/H,AV-56P585/H
	4	CP30056-010-A	POLY BAG		AV-48P575/H
	4	CP30056-011-A	POLY BAG		AV-56P575/H,AV-56P585/H
	5	CP30055-007-A	TOP COVER		
	6	GQ30053-001A-A	TOP SHEET		AV-48P575/H
	7	QPA02503505	POLY BAG	25cm x 35cm	
⚠	8	LCT1609-001A-A	INST BOOK	English	
⚠	9	LCT1610-001A-A	INST BOOK	French	
	10	GQ40028-001A-A	INSERT SHEET		
	11	BT-51034-1Q	REGIST. CARD		
	12	BT-52006-2Q	WARRANTY CARD		
	13	RM-C1257G-1H	REMOCON		
	14	----------	BATTERY	R6P/AA	
	15	GQ30037-001A-A	CORNER LABEL	2pcs in 1set	

JVC

SCHEMATIC DIAGRAMS

REAR PROJECTION TELEVISION

AV-48P575/H,
AV-56P575/H,
AV-56P585/H

CD-ROM No.SML200405

BASIC CHASSIS
RP

[AV-58P575]

I'Art PRO

D.I.S.T. Digital Image Scaling Technology

HIGH DEFINITION TELEVISION HDTV MONITOR

BBE

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

No.YA091
2004/4

AV-48P575/H, AV-56P575/H, AV-56P585/H
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20µs / div
	: V ⇒ 5ms / div
	: Othters ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [µF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

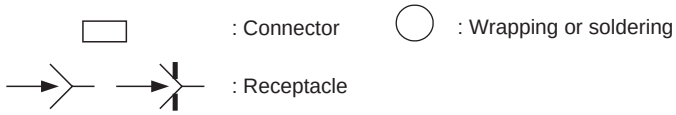
No unit	: [µH]
Others	: As specified

(4)Power Supply

∗ Respective voltage values are indicated

(5)Test point

(6)Connecting method



(7)Ground symbol

⊥ : LIVE side ground

⏚ : ISOLATED(NEUTRAL) side ground

⏚ : EARTH ground

▽ : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

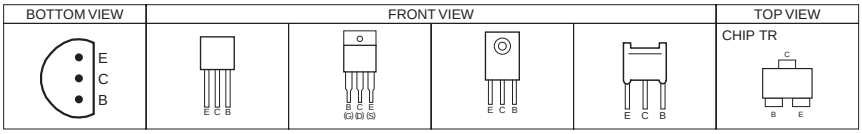
CONTENTS

USING P.W. BOARD

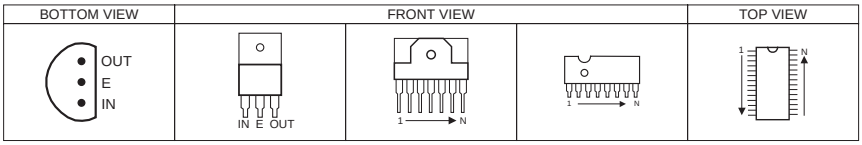
PWB ASS'Y name	AV-48P575/H	AV-56P575/H	AV-56P585/H
MAIN P.W. BOARD	SRP-1003A-M2	SRP-1004A-M2	SRP-1002A-M2
R CRT SOCKET P.W. BOARD	SRP-3101A-M2	←	←
G CRT SOCKET P.W. BOARD	SRP-3201A-M2	←	←
B CRT SOCKET P.W. BOARD	SRP-3301A-M2	←	←
VM P.W. BOARD	SRP-7201A-M2	←	←
DEF / CONVERGENCE OUT P.W. BOARD	SRP-2002A-M2	←	←
POWER P.W. BOARD	SRP-9001A-M2	←	←
REMOCON SENSOR P.W. BOARD	SRP-8001A-M2	←	←
FRONT CONTROL P.W. BOARD	SRP0L001A-M2	←	←

SEMICONDUCTOR SHAPES

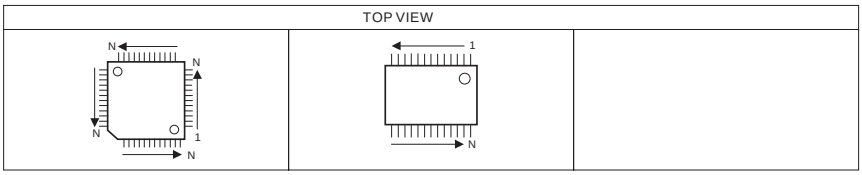
TRANSISTOR



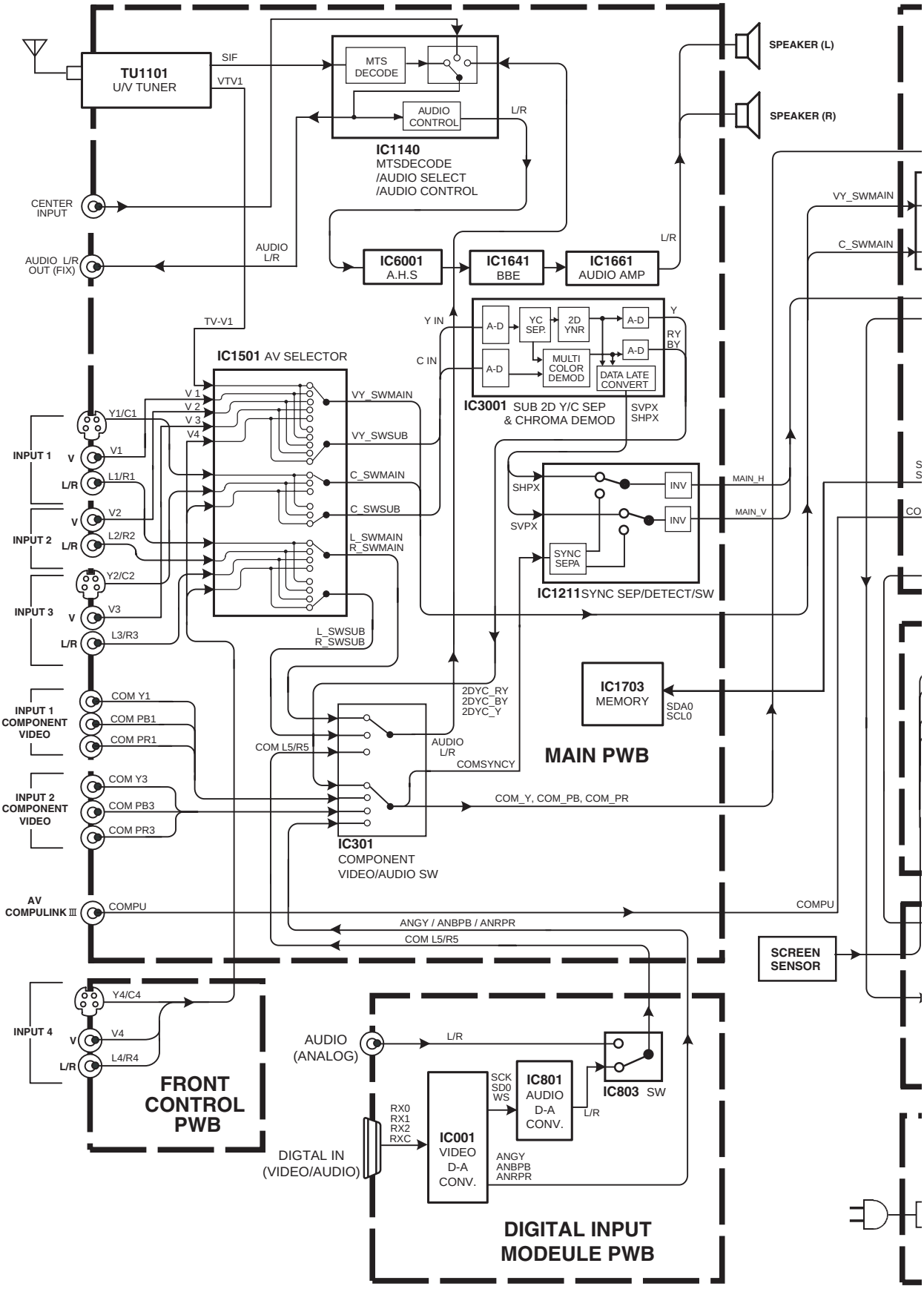
IC

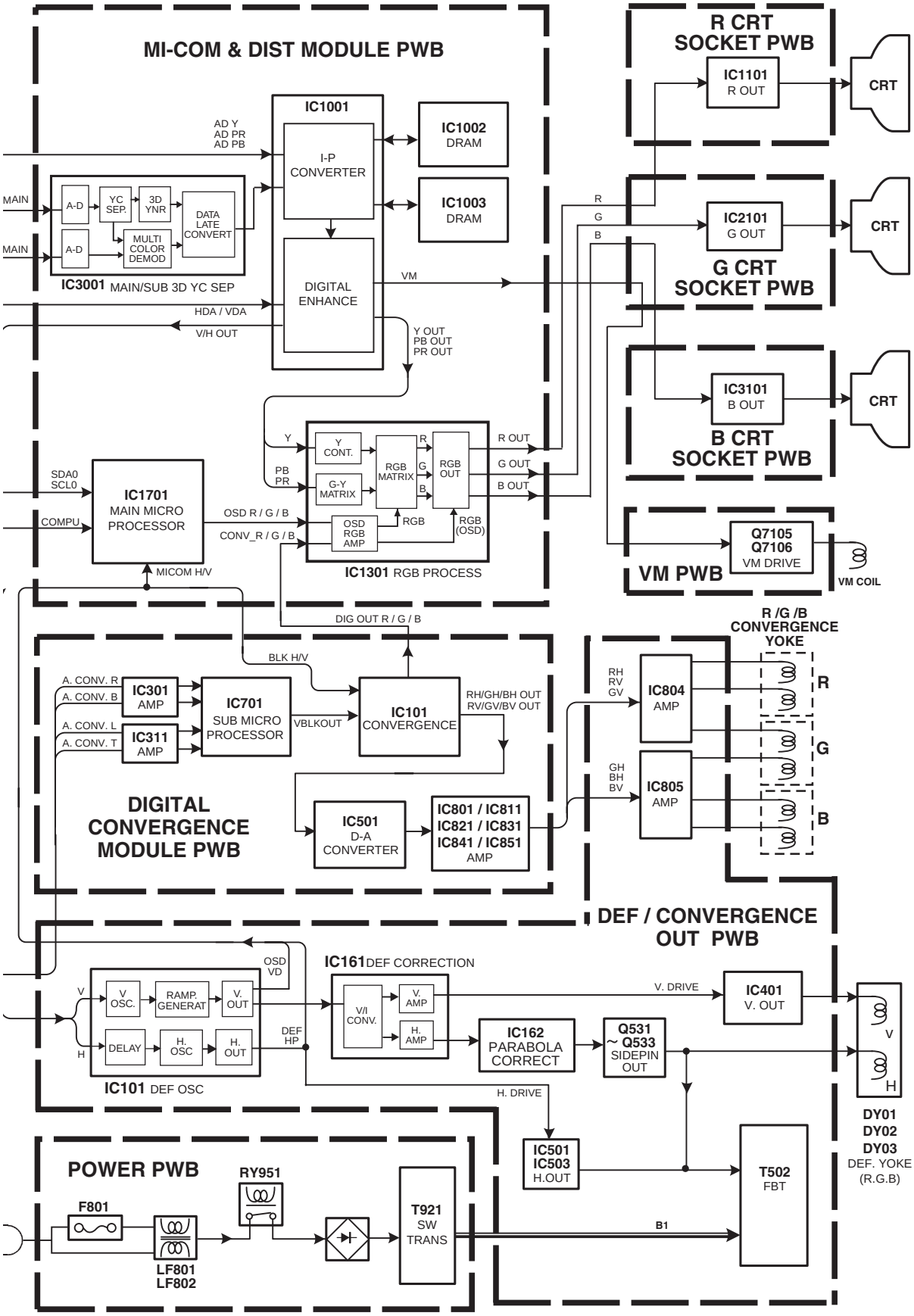


CHIP IC



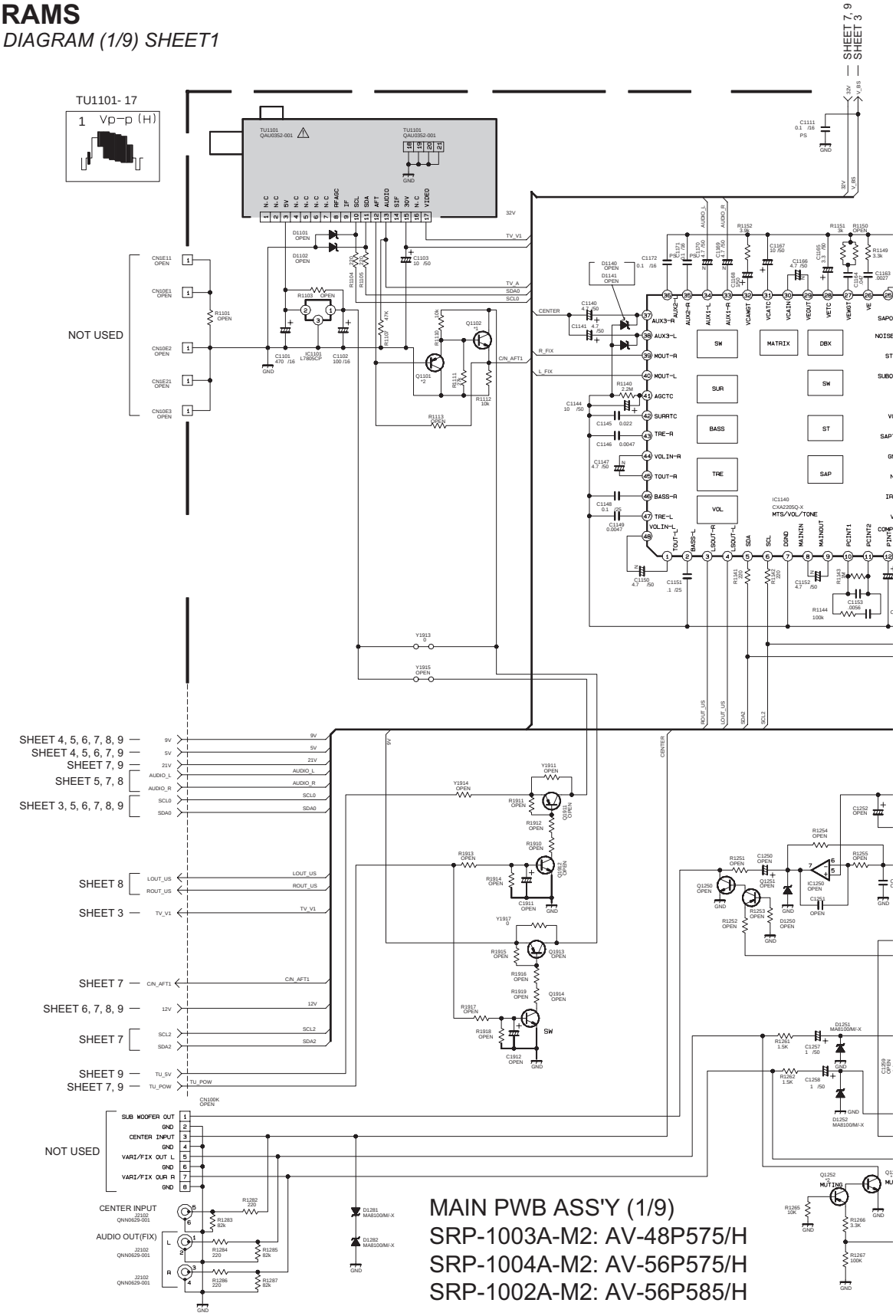
BLOCK DIAGRAM

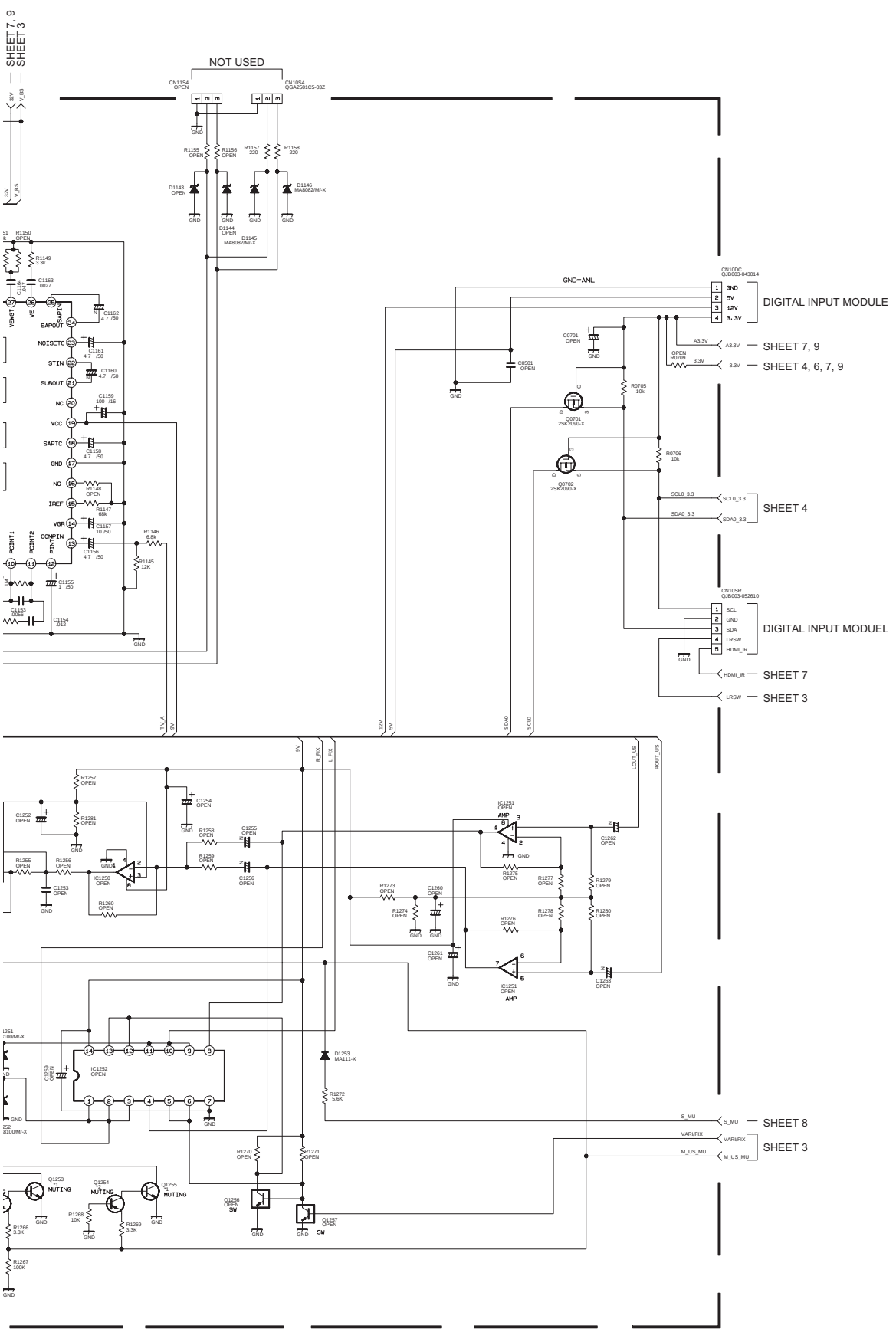



MI-COM & DIST MODULE PWB
IC1001
I-P CONVERTER
IC1002 DRAM
IC1003 DRAM
AD Y
AD PR
AD PB
MAIN
MAIN
A-D
A-D
YC SEP.
3D YNR
MULTI COLOR DEMOD
DATA LATE CONVERT
IC3001 MAIN/SUB 3D YC SEP
DIGITAL ENHANCE
VM
HDA / VDA
V/H OUT
Y OUT
PB OUT
PR OUT
R CRT SOCKET PWB
IC1101 R OUT
CRT
R
G
B
IC2101 G OUT
CRT
G CRT SOCKET PWB
IC3101 B OUT
CRT
B CRT SOCKET PWB
Y
PB
PR
Y CONT.
G-Y MATRIX
RGB MATRIX
RGB OUT
R OUT
G OUT
B OUT
OSD RGB AMP
RGB
RGB (OSD)
IC1301 RGB PROCESS
SDA0
SCL0
COMPU
IC1701 MAIN MICRO PROCESSOR
OSD R / G / B
CONV_R / G / B
MICOM H/V
Q7105
Q7106
VM DRIVE
VM PWB
VM COIL
DIG OUT R / G / B
BLK H/V
R /G /B CONVERGENCE YOKE
A. CONV. R
A. CONV. B
A. CONV. L
A. CONV. T
IC301 AMP
IC311 AMP
IC701 SUB MICRO PROCESSOR
VBLKOUT
IC101 CONVERGENCE
RH/GH/BH OUT
RV/GV/BV OUT
RH
RV
GV
IC804 AMP
GH
BH
BV
IC805 AMP
R
G
B
DIGITAL CONVERGENCE MODULE PWB
IC501 D-A CONVERTER
IC801 / IC811
IC821 / IC831
IC841 / IC851
AMP
DEF / CONVERGENCE OUT PWB
OSD VD
IC161 DEF CORRECTION
V
H
V OSC.
RAMP. GENERAT
V. OUT
DELAY
H. OSC
H. OUT
DEF HP
V/I CONV.
V. AMP
H. AMP
V. DRIVE
IC401 V. OUT
IC162 PARABOLA CORRECT
Q531 ~ Q533 SIDEPIN OUT
IC101 DEF OSC
H. DRIVE
IC501 IC503 H.OUT
T502 FBT
DY01
DY02
DY03
DEF. YOKE (R.G.B)
POWER PWB
F801
RY951
LF801
LF802
T921 SW TRANS
B1

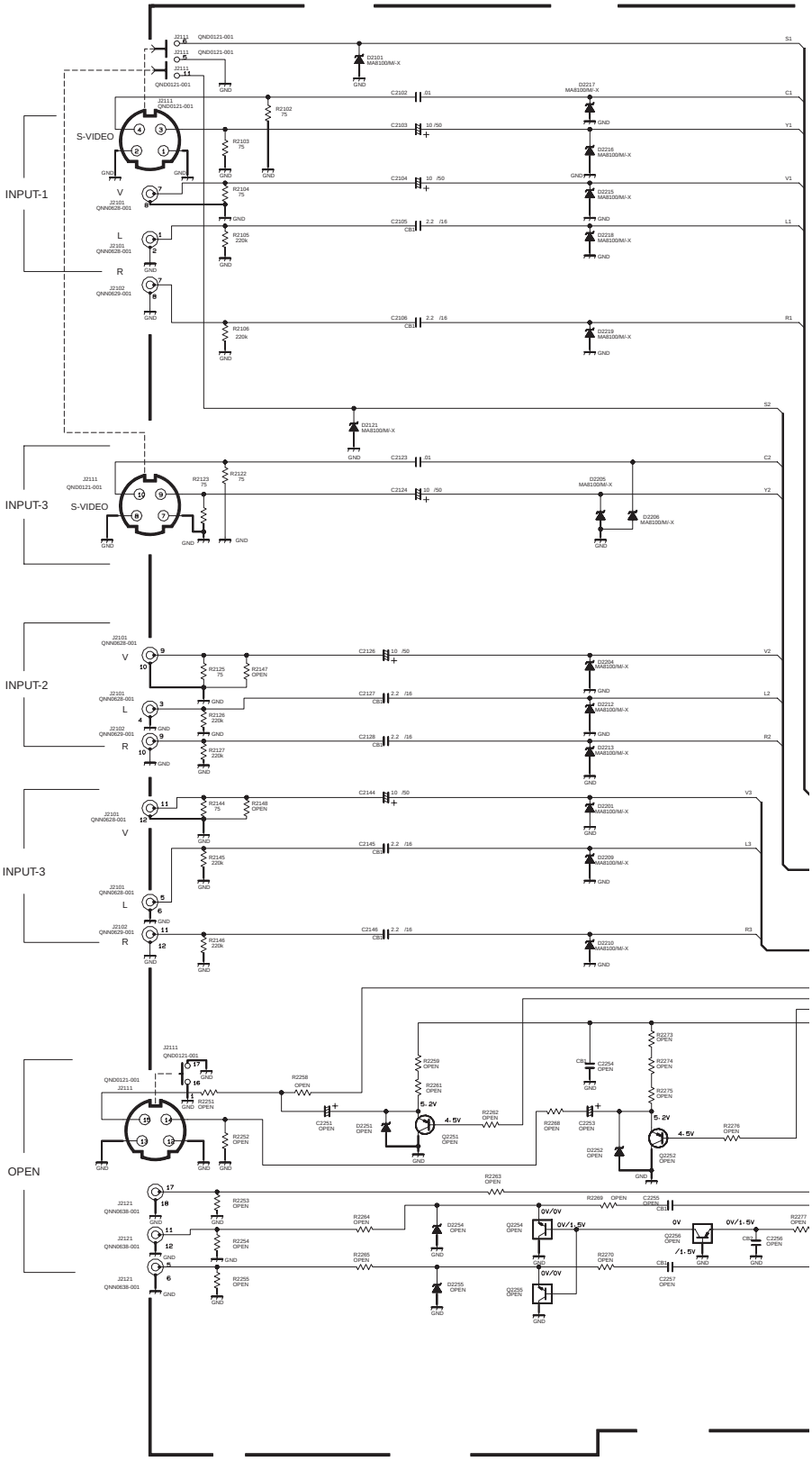
CIRCUIT DIAGRAMS

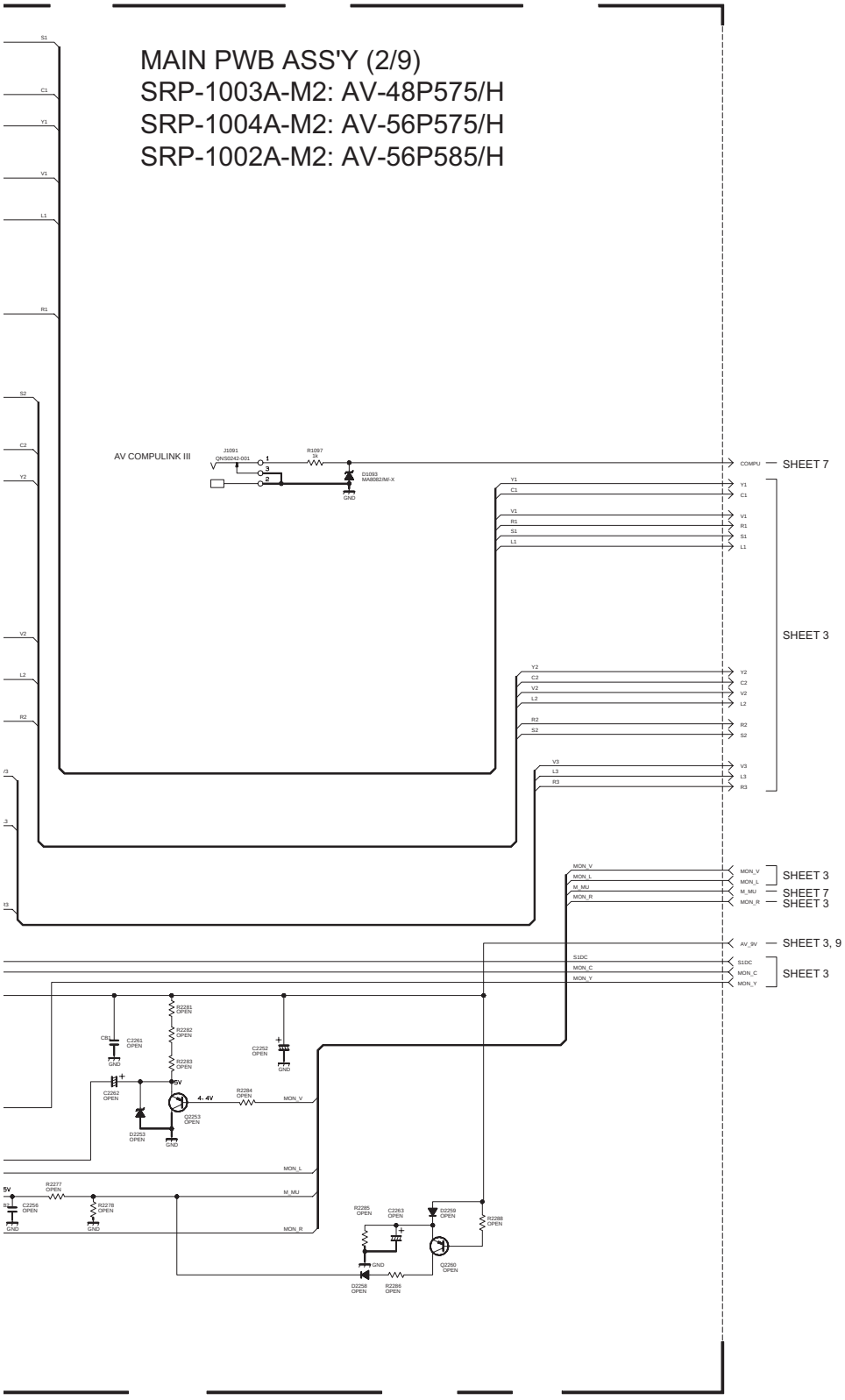
MAIN PWB CIRCUIT DIAGRAM (1/9) SHEET1



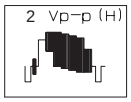


MODE PIN NO.	DC (V)
TU1101	
1	NC
2	NC
3	4.9
4	NC
5	NC
6	NC
7	NC
8	NC
9	NC
10	4.3
11	4.1
12	2.7
13	1.8
14	NC
15	34.1
16	NC
17	2
IC1101	
1	8.8
2	4.9
3	0
IC1140	
1	4
2	4
3	4
4	4
5	4.9
6	4.9
7	0
8	3.9
9	3.9
10	4
11	3.8
12	3.2
13	4
14	1.2
15	1.3
16	0
17	0
18	3.2
19	8.8
20	NC
21	4
22	4
23	4
24	3.8
25	4
26	3.9
27	4
28	1.9
29	4
30	4
31	1.8
32	4
33	4
34	4
35	4
36	4
37	4
38	4
39	3.9
40	3.9
41	1.1
42	4
43	4
44	4
45	4
46	4
47	4
48	4
Q1101	
E	3.2
C	0
B	2.6
Q0701	
S	2.6
D	4.4
G	3.2
Q0702	
S	2.9
D	4.2
G	3.2
Q1252	
E	0
C	-2.3
B	0
Q1253	
E	0
C	0
B	-2.3
Q1254	
E	0
C	-2.3
B	0
Q1255	
E	0
C	0
B	-2.3

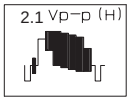

INPUT-1
S-VIDEO
V
L
R
INPUT-3
S-VIDEO
INPUT-2
V
L
R
INPUT-3
V
L
R
OPEN
S1
S2
C1
Y1
V1
L1
R1
C2
Y2
V2
L2
R2
V3
L3
R3
GND
4.5V
5.2V
0V/0V
0V/1.5V
0V
/1.5V


MAIN PWB ASS'Y (2/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H
AV COMPULINK III
SHEET 7
SHEET 3
SHEET 3
SHEET 7
SHEET 3
SHEET 3, 9
SHEET 3

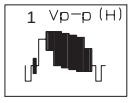
IC1501- 44



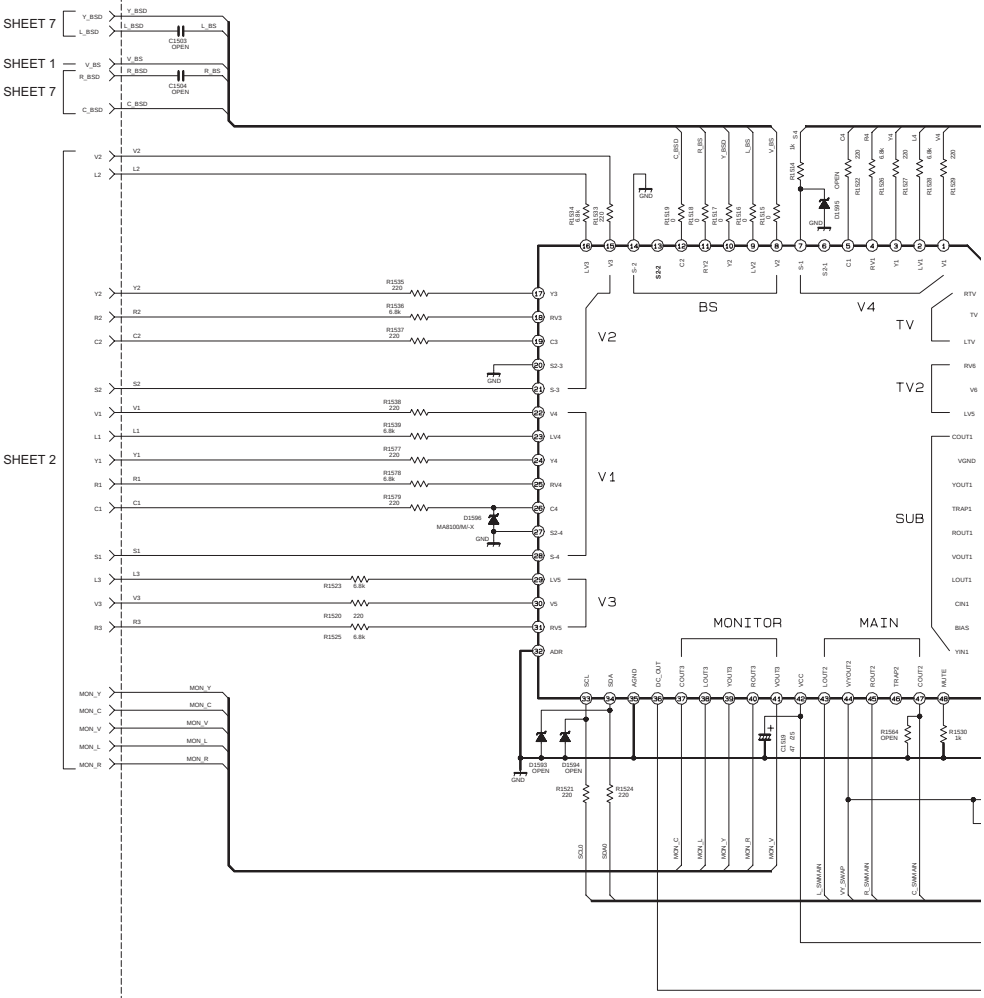
IC1501- 53,56

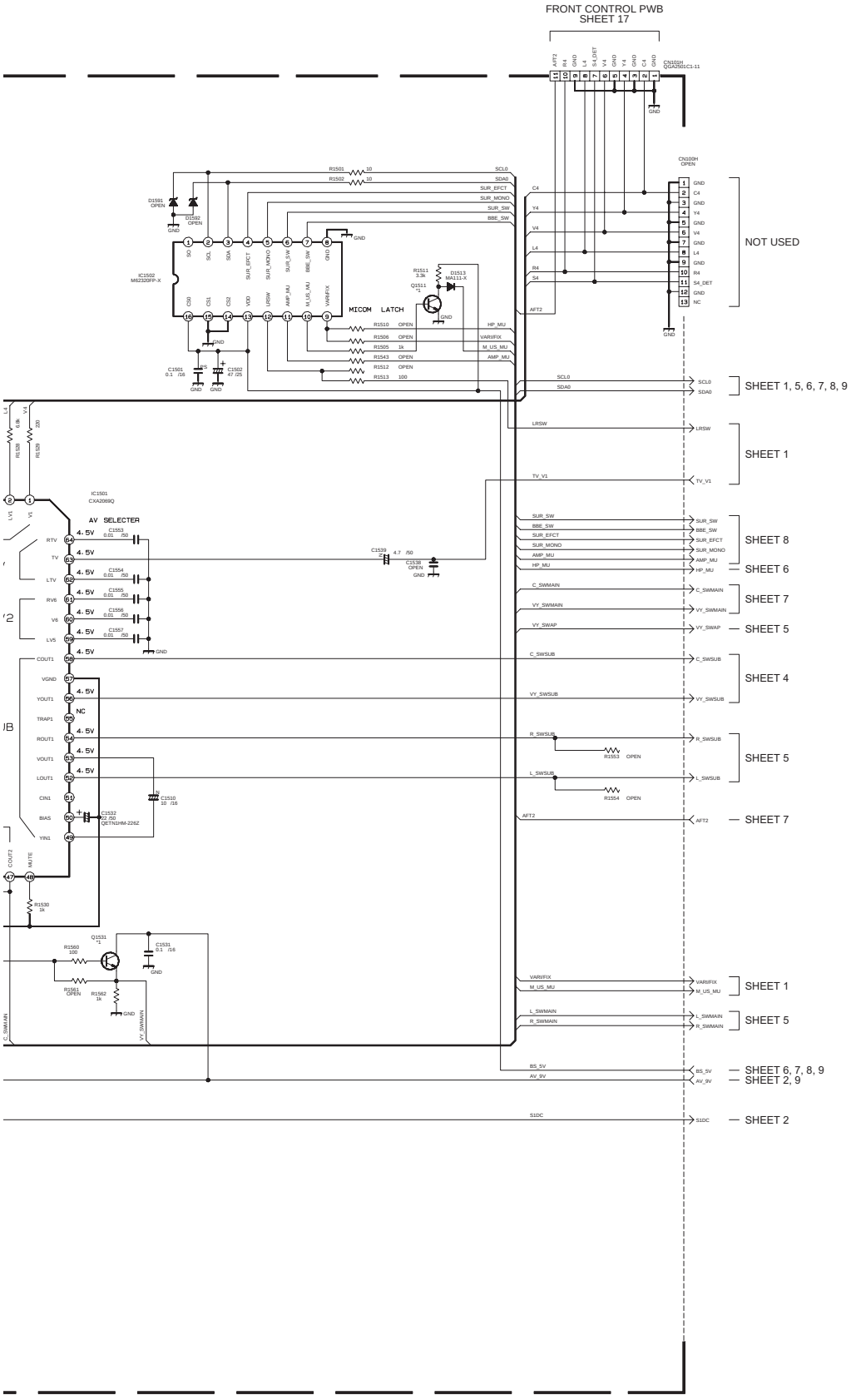


IC1501- 63



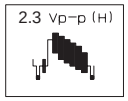
MAIN PWB ASS'Y (3/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H



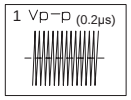


MODE PIN NO.	DC (V)
IC1501	
1	3.8
2	4.4
3	3.9
4	4.4
5	4.3
6	NC
7	4.8
8	3.9
9	4.4
10	5.1
11	4.4
12	4.3
13	NC
14	0
15	3.8
16	4.4
17	3.9
18	4.4
19	4.4
20	0
21	4.9
22	3.9
23	4.4
24	3.9
25	4.4
26	4.3
27	0
28	4.9
29	4.4
30	3.9
31	4.4
32	0
33	4.2
34	4
35	0
36	-0.1
37	4.3
38	4.4
39	3.5
40	4.4
41	3.3
42	9
43	4.4
44	4.3
45	4.4
46	NC
47	4.4
48	0
49	3.9
50	4.4
51	NC
52	4.4
53	3.5
54	4.4
55	NC
56	3.1
57	0
58	4.3
59	4.4
60	3.9
61	4.4
62	4.4
63	4.3
64	4.4
IC1502	
1	NC
2	4.2
3	4.1
4	0
5	0
6	0
7	0
8	0
9	5.1
10	4.5
11	0
12	5.1
13	5.4
14	0
15	0
16	5.1
Q1511	
E	3.7
C	9
B	4.3
Q1531	
E	0
C	4.2
B	4.5

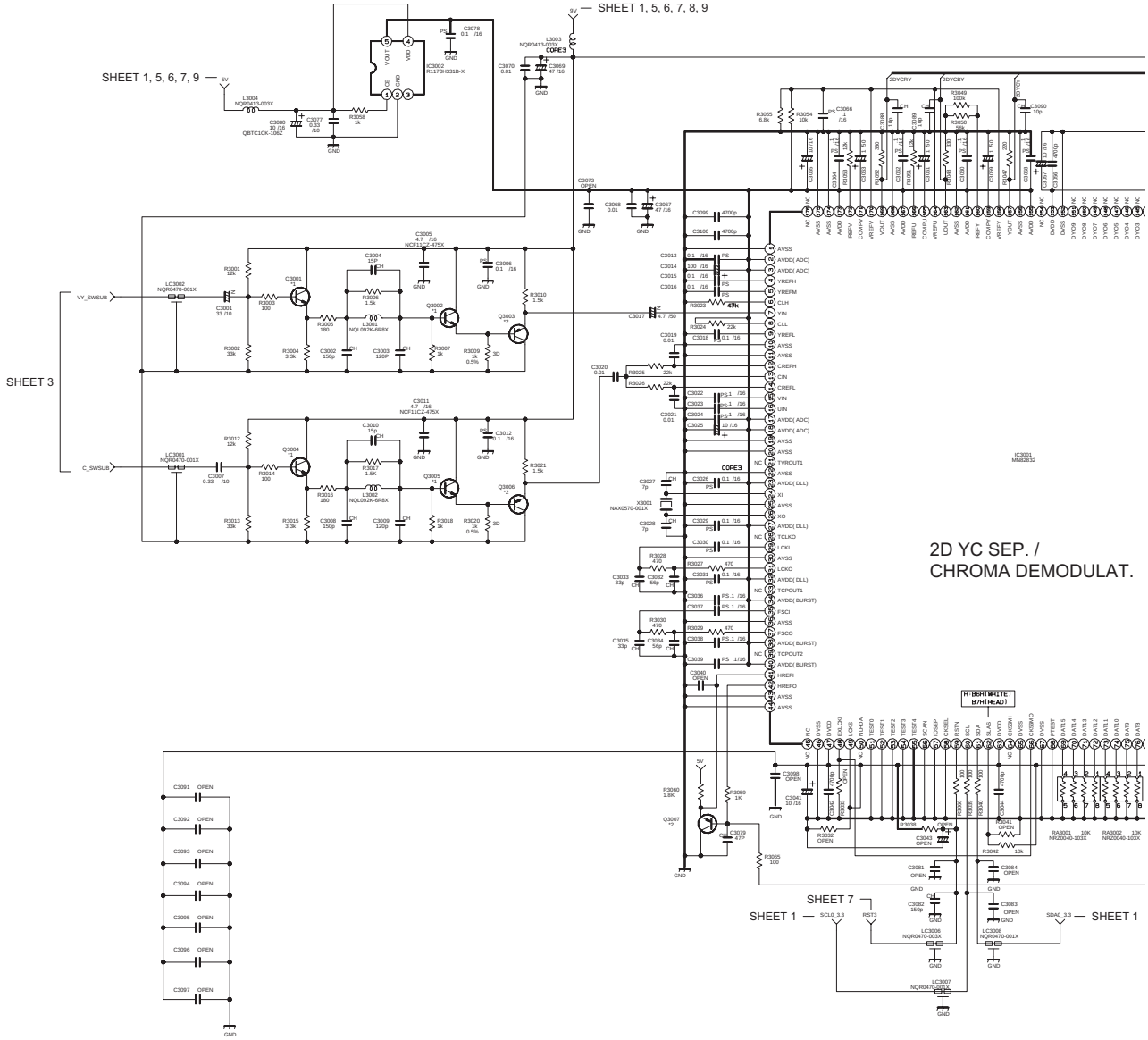
IC3001- 7

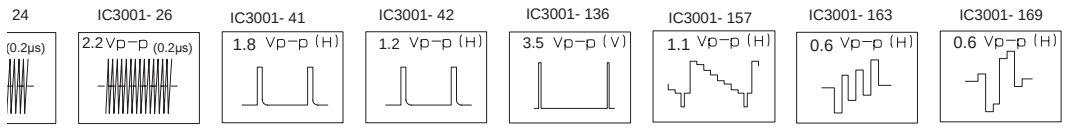


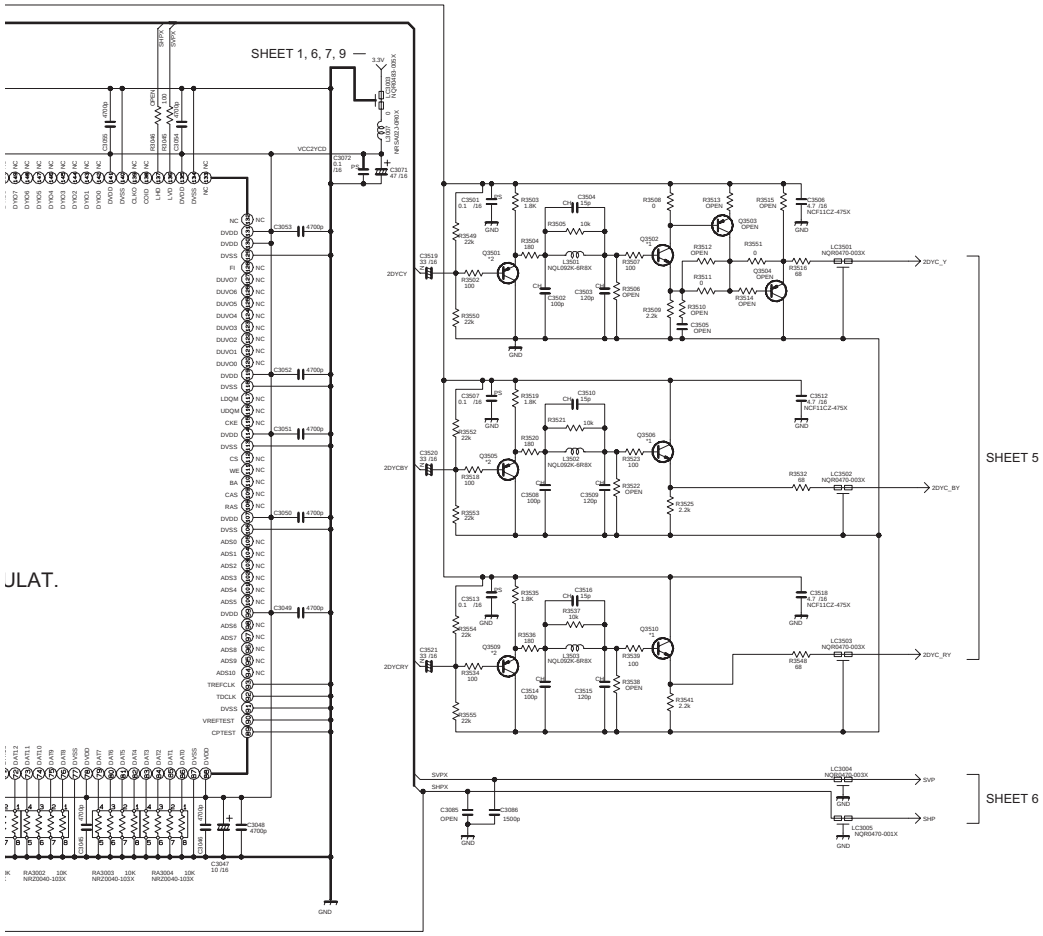
IC3001- 24



MAIN PWB ASS'Y (4/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H





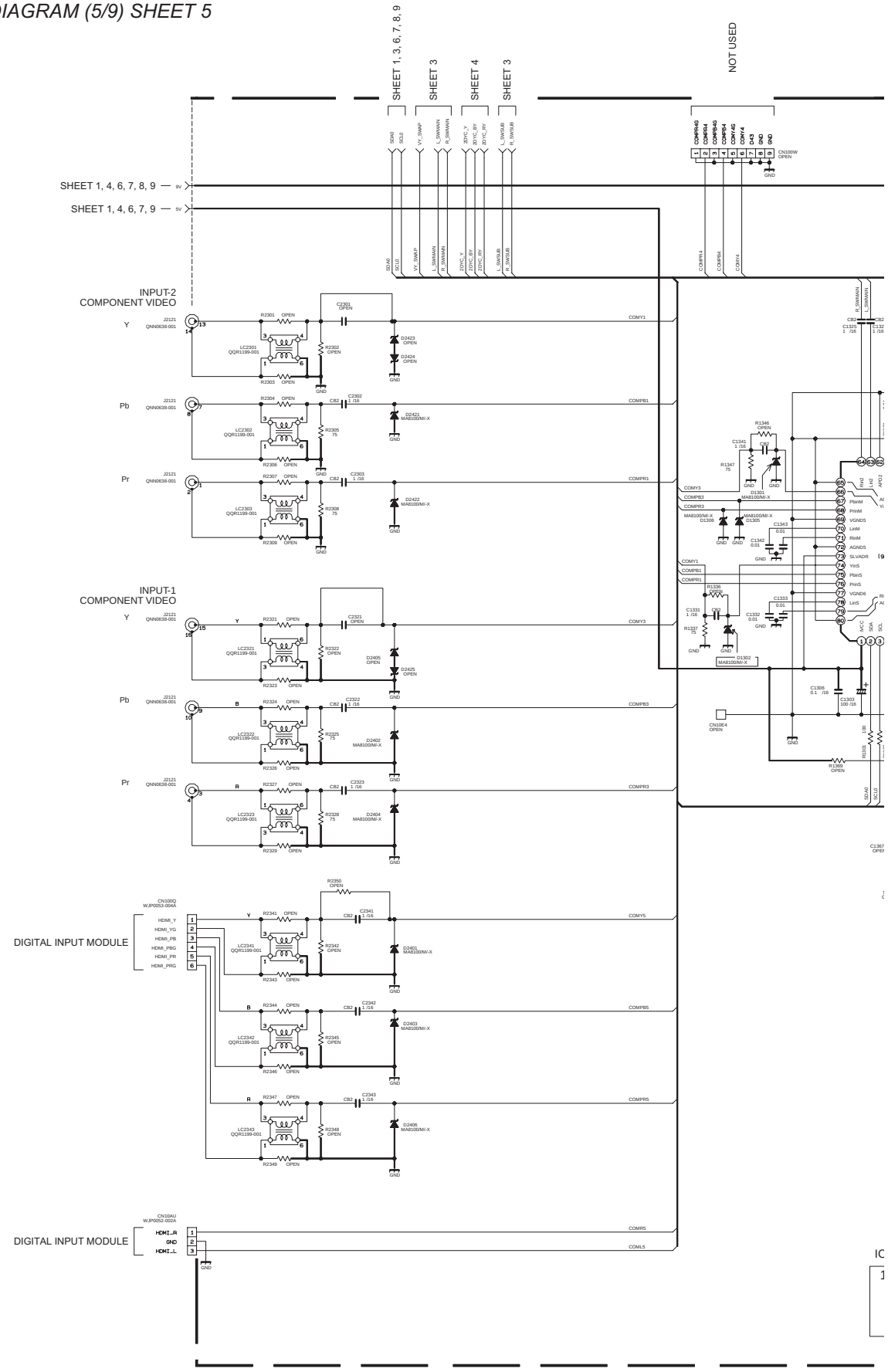


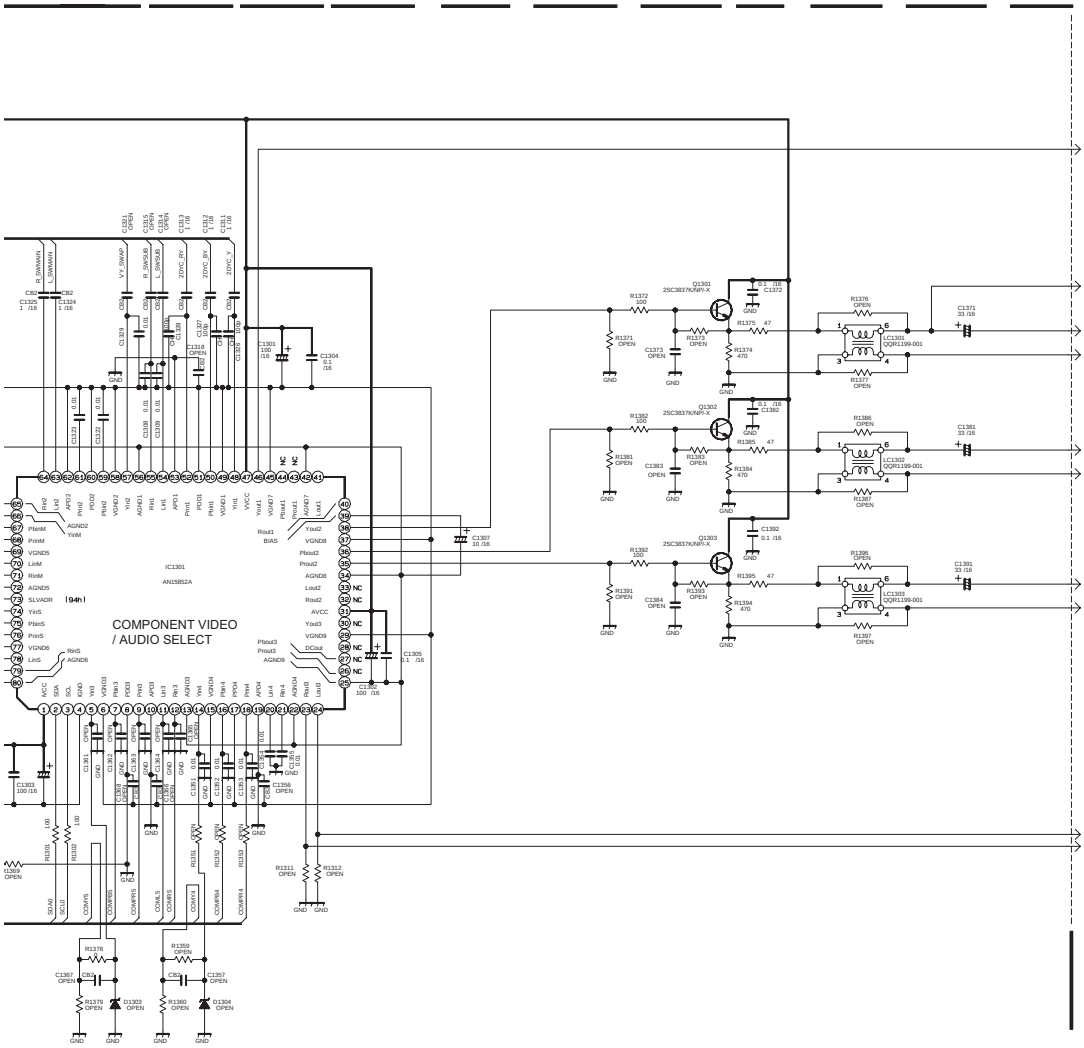
MODE PIN NO.	DC (V)
IC3001	
1	0
2	3.3
3	3.3
4	2.5
5	3.3
6	2.1
7	5.9
8	3.3
9	3.3
10	0
11	0
12	2.6
13	1.6
14	1.6
15	3.3
16	3.3
17	3.3
18	3.3
19	0
20	0
21	NC
22	0
23	3.3
24	0
25	0
26	0
27	3.3
28	NC
29	3.3
30	0
31	0
32	3.3
33	NC
34	3.3
35	3.3
36	0
37	0
38	3.3
39	NC
40	3.3
41	0.9
42	0.9
43	0
44	0
45	NC
46	0
47	3.4
48	0
49	0
50	NC
51	0
52	0
53	0
54	0
55	0
56	0
57	0
58	0
59	2.7
60	2.7
61	2.7
62	3.4
63	3.4
64	NC
65	0
66	NC
67	0
68	0
69	*
70	*
71	*
72	*
73	*
74	*
75	*
76	*
77	*
78	3.4
79	*
80	*
81	*
82	*
83	*
84	*
85	*
86	*
87	0
88	3.4
89	0
90	0
91	0
92	0
93	0
94	NC
95	NC
96	NC
97	NC

MODE PIN NO.	DC (V)
98	NC
99	3.4
100	NC
101	NC
102	NC
103	NC
104	NC
105	NC
106	0
107	3.4
108	NC
109	NC
110	NC
111	NC
112	NC
113	0
114	3.4
115	NC
116	NC
117	NC
118	0
119	3.4
120	NC
121	NC
122	NC
123	NC
124	NC
125	NC
126	NC
127	NC
128	NC
129	0
130	3.4
131	3.4
132	NC
133	NC
134	0
135	3.3
136	3.3
137	0
138	NC
139	NC
140	0
141	3.3
142	NC
143	NC
144	NC
145	NC
146	NC
147	NC
148	NC
149	NC
150	NC
151	NC
152	0
153	3.3
154	NC
155	3.3
156	0
157	0.5
158	3.3
159	2.4
160	0
161	3.3
162	0
163	0.5
164	3.3
165	2.4
166	0
167	3.3
168	0.5
169	0.3
170	3.3
171	2.4
172	0.5
173	3.3
174	0
175	0
176	NC
IC3002	
1	5.1
2	0
3	0
4	5.1
5	3.2
Q3001	
E	5.8
C	9
B	6.4
Q3002	
E	4.3
C	9
B	4.9
Q3003	
E	4.9
C	0
B	4.2
Q3004	

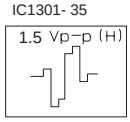
MODE PIN NO.	DC (V)
E	5.8
C	9
B	6.4
Q3005	
E	4.2
C	9
B	4.8
Q3006	
E	4.9
C	0
B	4.2
Q3007	
E	9
C	0
B	0.2
Q3501	
E	5.2
C	0
B	4.5
Q3502	
E	4.6
C	9
B	5.2
Q3505	
E	5.2
C	0
B	4.6
Q3506	
E	4.6
C	9
B	5.2
Q3509	
E	5.2
C	0
B	4.6
Q3510	
E	4.6
C	9
B	5.2

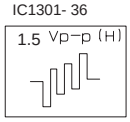
*:DIGITAL

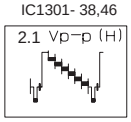

SHEET 1, 3, 6, 7, 8, 9
SHEET 3
SHEET 4
SHEET 3
NOT USED
SHEET 1, 4, 6, 7, 8, 9 — 9V
SHEET 1, 4, 6, 7, 9 — 5V
INPUT-2
COMPONENT VIDEO
Y
Pb
Pr
INPUT-1
COMPONENT VIDEO
DIGITAL INPUT MODULE
DIGITAL INPUT MODULE
HDMI_Y
HDMI_YG
HDMI_PB
HDMI_PBG
HDMI_PR
HDMI_PRG
HDMI_R
GND
HDMI_L
COMY1
COMPB1
COMPR1
COMY3
COMPB3
COMPR3
COMY5
COMPB5
COMPR5
COML5

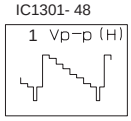


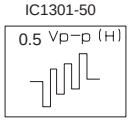
MAIN PWB ASS'Y (5/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H

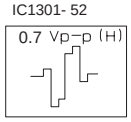
IC1301- 35


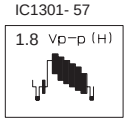
IC1301- 36


IC1301- 38,46


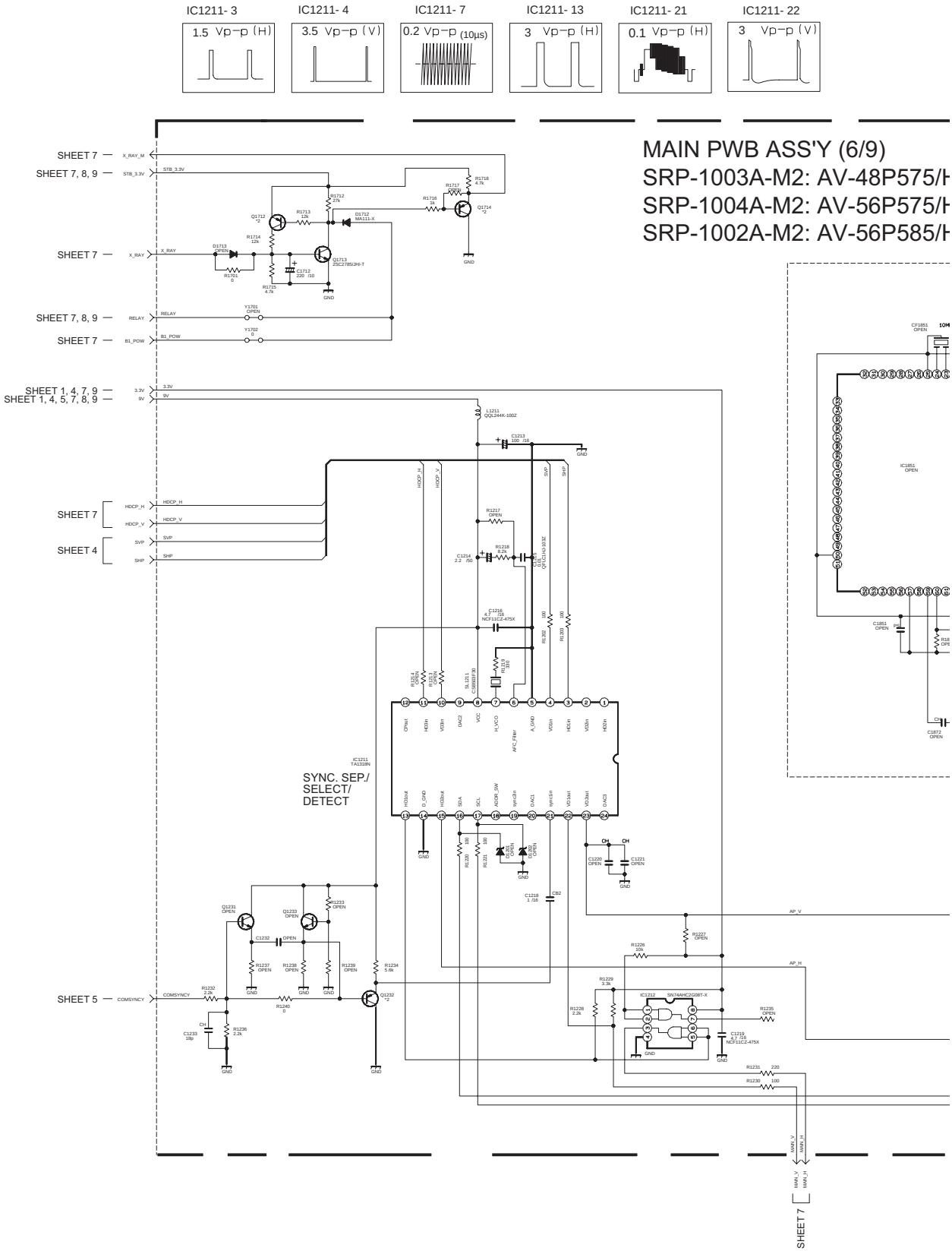
IC1301- 48


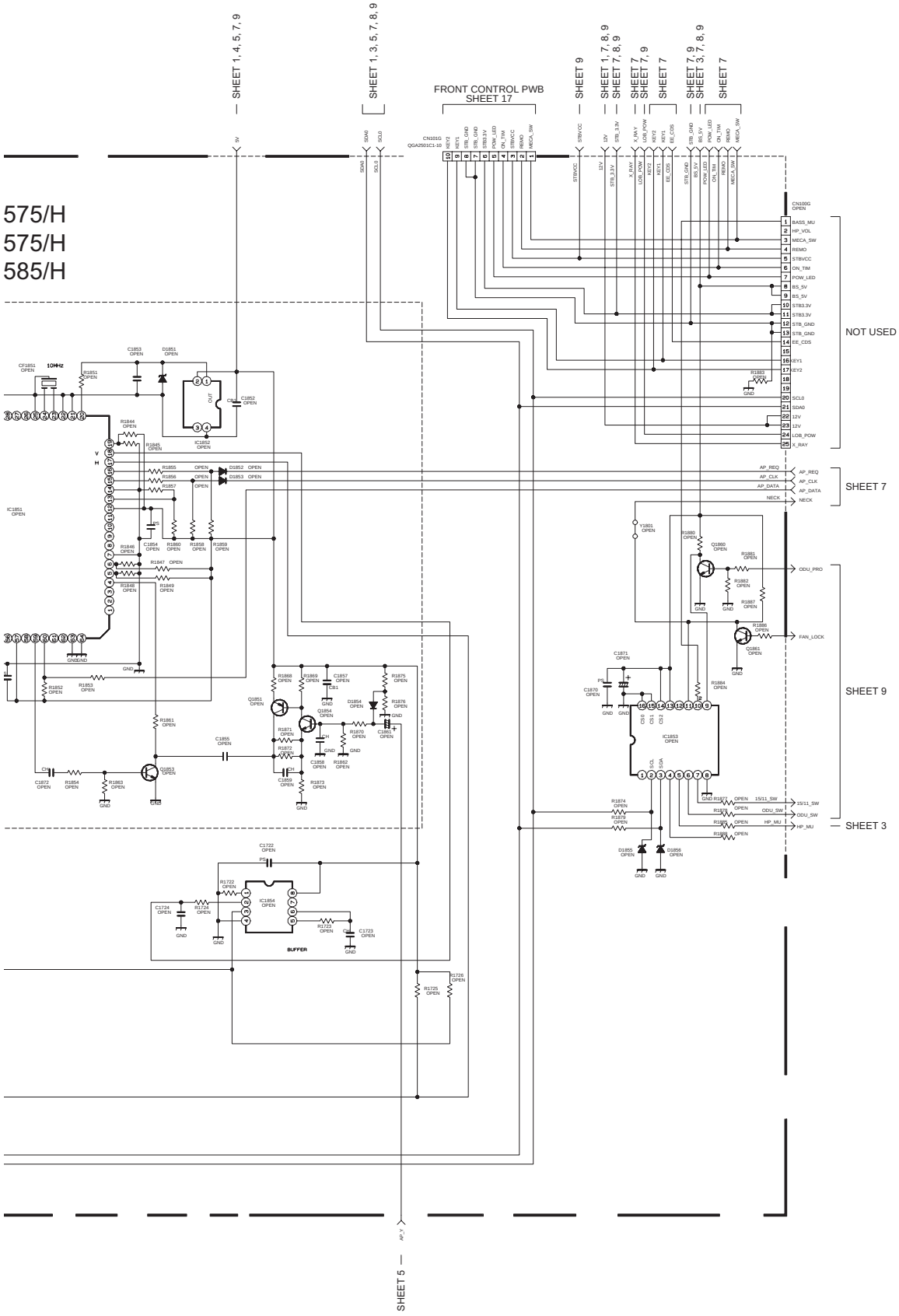
IC1301-50


IC1301- 52


IC1301- 57


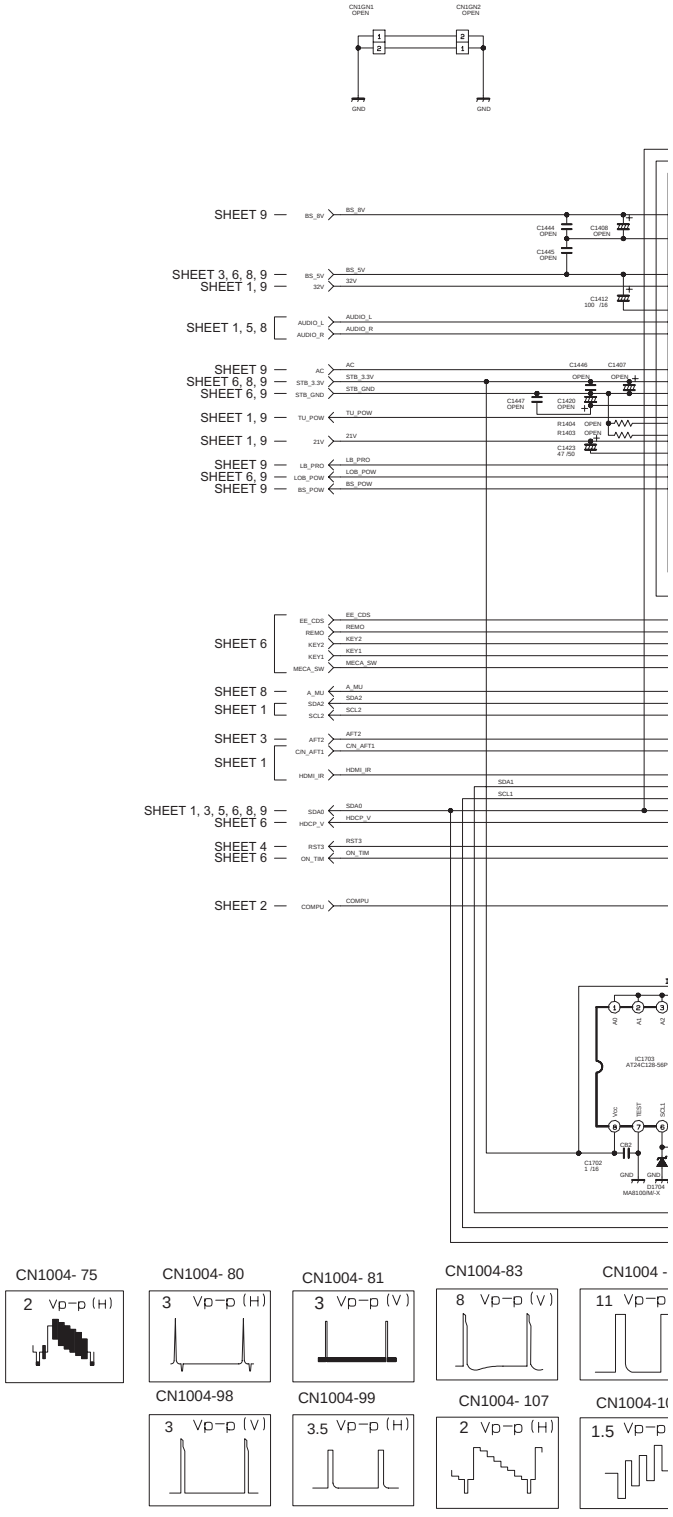
MODE PIN NO.	DC (V)
IC1301	
1	0
2	4
3	4.2
4	0
5	4.6
6	0
7	4.6
8	0
9	4.6
10	0
11	4.4
12	4.4
13	0
14	4.6
15	0
16	4.6
17	0
18	4.6
19	0
20	4.4
21	4.4
22	0
23	4.4
24	4.4
25	0
26	NC
27	NC
28	NC
29	0
30	NC
31	8.9
32	NC
33	NC
34	0
35	4.4
36	4.4
37	0
38	4.4
39	4.4
40	NC
41	NC
42	0
43	NC
44	NC
45	0
46	4.4
47	8.9
48	4.6
49	0
50	4.6
51	0
52	4.6
53	0
54	4.4
55	4.4
56	0
57	4.6
58	0
59	4.6
60	0
61	4.6
62	0
63	4.3
64	4.4
65	0
66	4.6
67	4.6
68	4.6
69	0
70	4.4
71	4.4
72	0
73	5
74	4.6
75	4.6
76	4.6
77	0
78	4.4
79	4.4
80	0
Q1301	
E	3.7
C	9
B	4.4
Q1302	
E	3.6
C	9
B	4.4
Q1303	
E	3.6
C	9
B	4.4

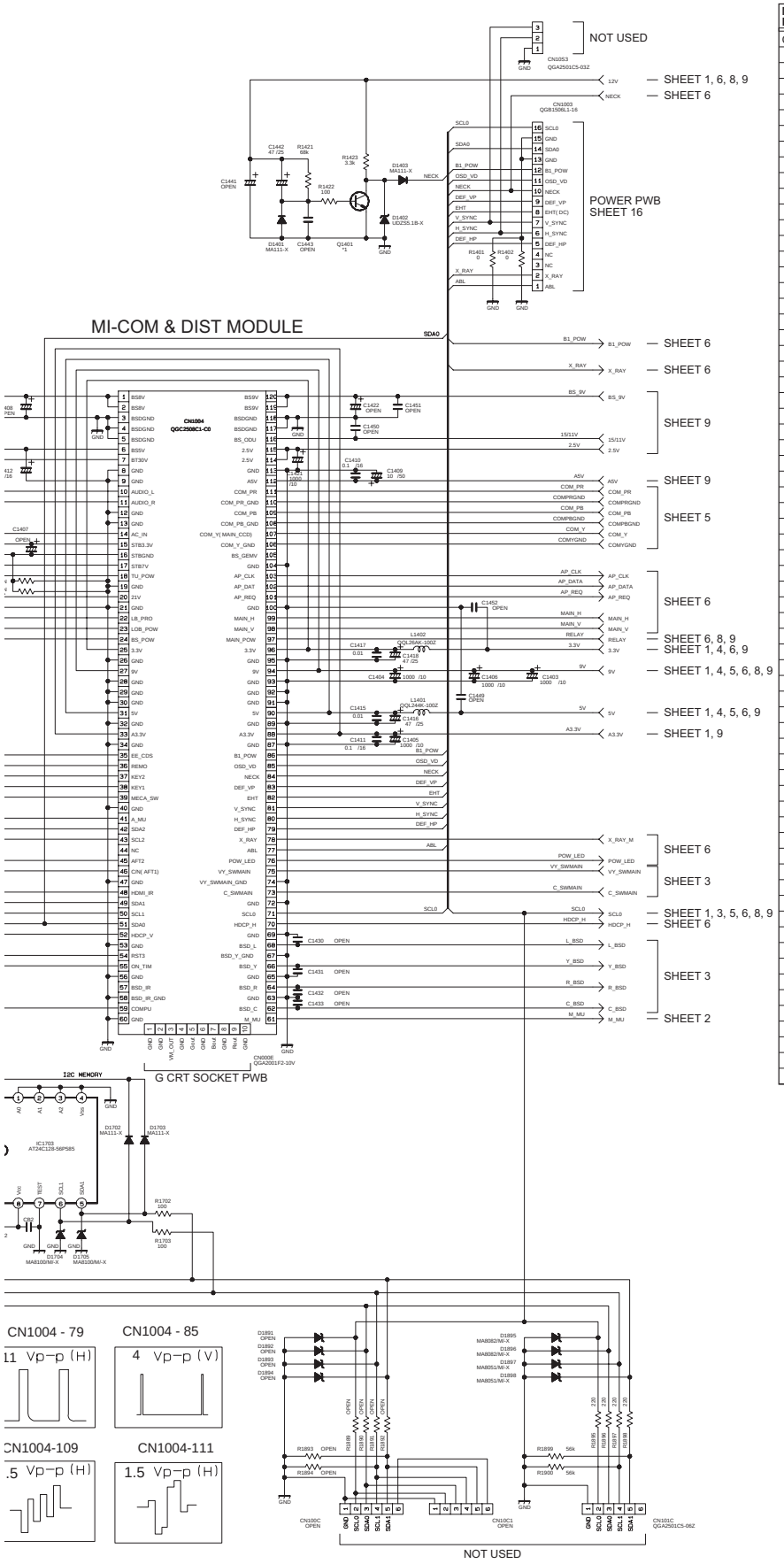

IC1211- 3
1.5 Vp−p (H)
IC1211- 4
3.5 Vp−p (V)
IC1211- 7
0.2 Vp−p (10µs)
IC1211- 13
3 Vp−p (H)
IC1211- 21
0.1 Vp−p (H)
IC1211- 22
3 Vp−p (V)
MAIN PWB ASS'Y (6/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H
SHEET 7
SHEET 7, 8, 9
SHEET 1, 4, 7, 9
SHEET 1, 4, 5, 7, 8, 9
SHEET 4
SHEET 5
SYNC. SEP./
SELECT/
DETECT
IC1211
TA1318N
IC1212
SN744HC2G08T-X
IC1851
OPEN



MODE PIN NO.	DC (V)
IC1211	
1	NC
2	NC
3	0.2
4	0
5	0
6	6.2
7	4.8
8	8.9
9	NC
10	0.2
11	0.3
12	NC
13	0.5
14	0
15	0
16	4
17	4.2
18	NC
19	NC
20	NC
21	0
22	0
23	0
24	NC
IC1212	
1	3.1
2	3.1
3	0.2
4	0
5	0.5
6	0.5
7	3.3
8	3.3
Q1232	
E	2.8
C	0
B	0
Q1712	
E	2.9
C	5.9
B	3.2
Q1713	
E	0
C	3.2
B	6.2
Q1714	
E	2.9
C	0
B	3.2

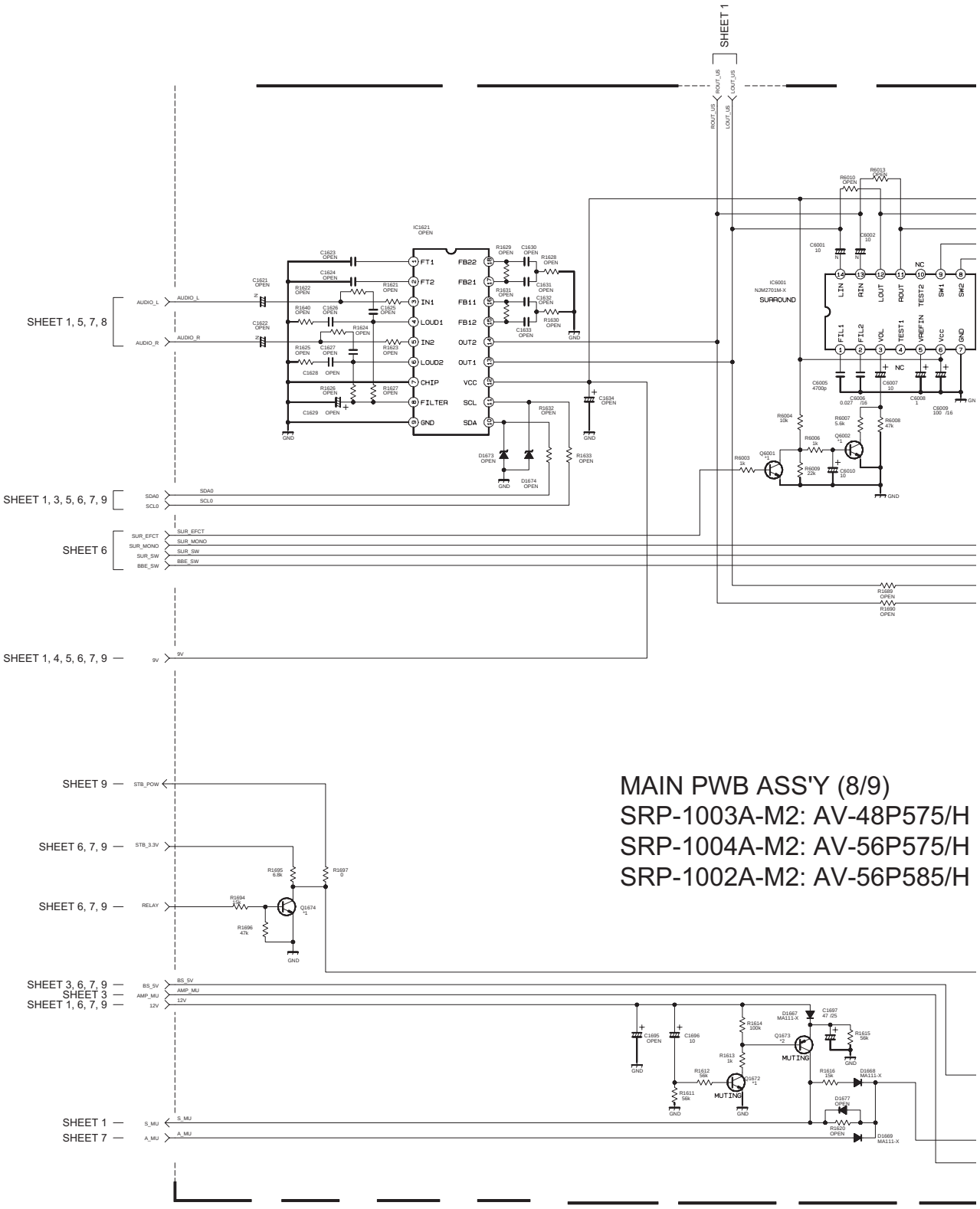
MAIN PWB ASS'Y (7/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H



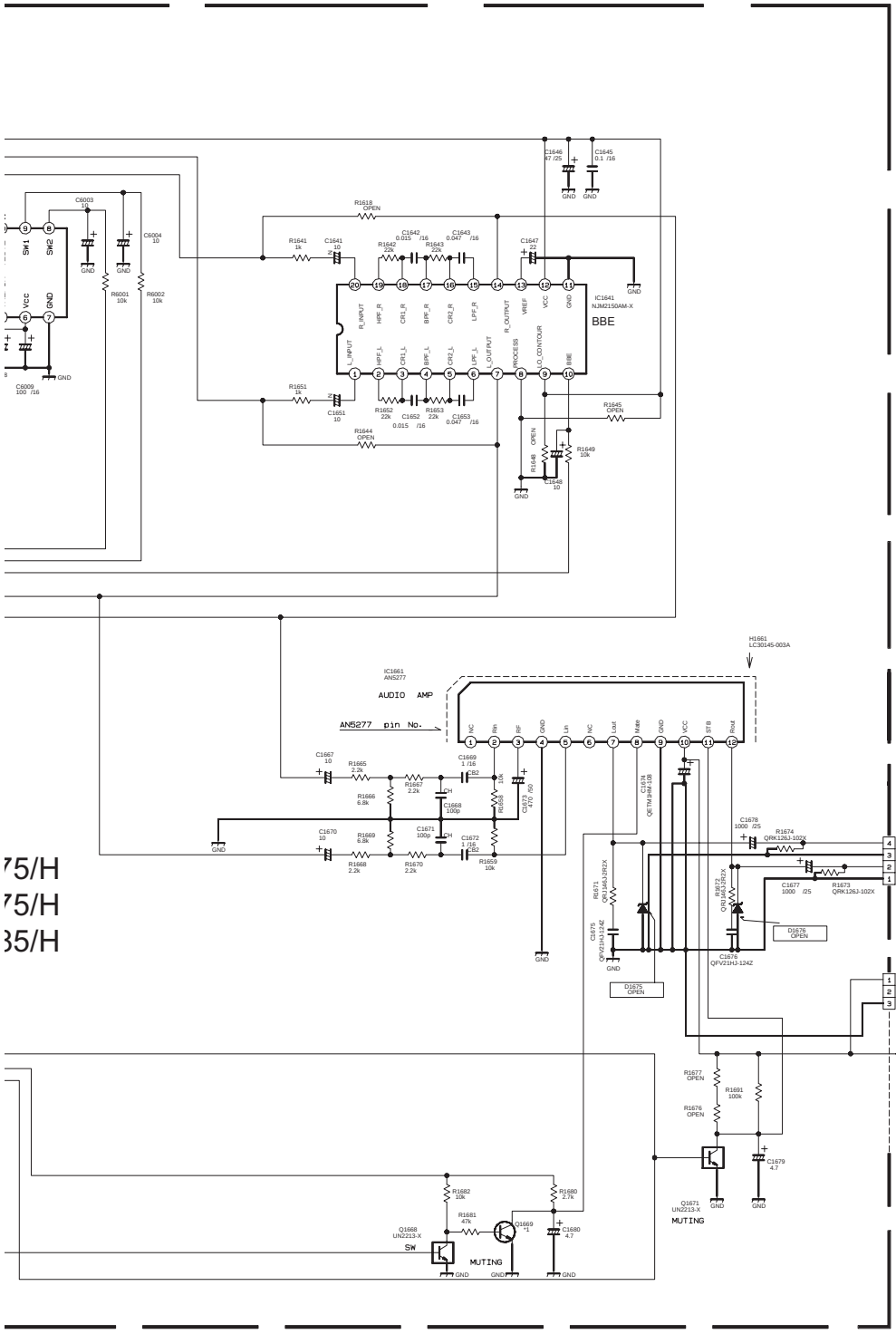


MODE PIN NO.	DC (V)
CN1004	
1	0
2	0
3	0
4	0
5	0
6	5.1
7	34.2
8	0
9	0
10	4.4
11	4.4
12	0
13	0
14	0
15	3.2
16	0
17	0
18	0
19	0
20	29.2
21	0
22	0
23	3.1
24	0
25	3.2
26	0
27	8.8
28	0
29	0
30	0
31	0
32	0
33	3.2
34	0
35	3.2
36	3.1
37	3.2
38	3.2
39	3.2
40	0
41	0
42	4.8
43	4.8
44	NC
45	0
46	0
47	0
48	2.6
49	2.7
50	2.7
51	4
52	0
53	0
54	3.1
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	4.3
63	0
64	0
65	0
66	5.4

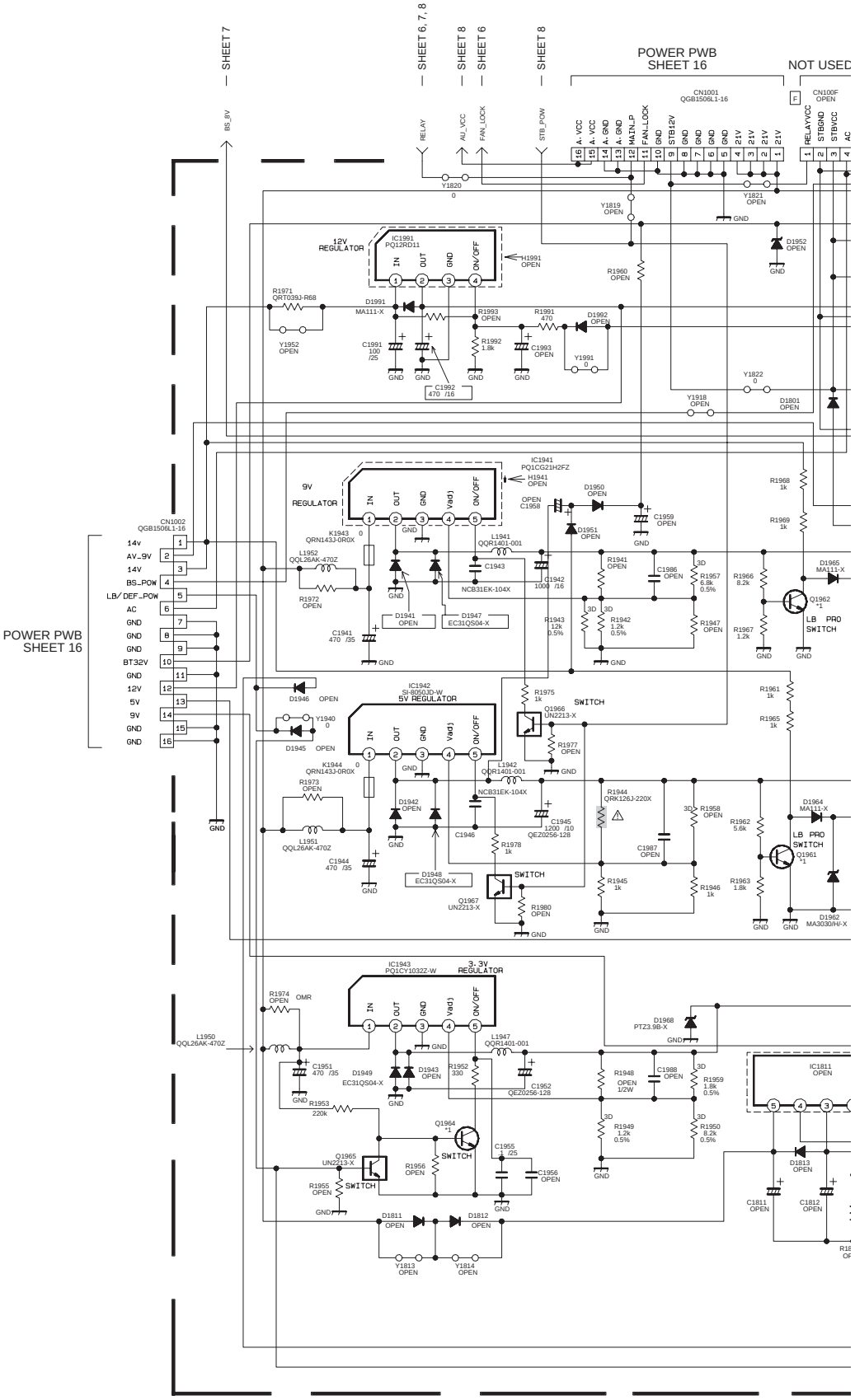
MODE PIN NO.	DC (V)
67	0
68	0
69	0
70	0
71	4.6
72	0
73	4.3
74	0
75	3.7
76	0
77	0
78	2.9
79	1.5
80	0
81	0
82	2.8
83	0.1
84	0
85	0.1
86	2.8
87	0
88	3.2
89	0
90	4.9
91	0
92	0
93	0
94	8.8
95	0
96	3.2
97	3
98	0.2
99	0.1
100	0
101	0
102	0
103	0
104	0
105	0
106	0
107	3.2
108	0
109	3.4
110	0
111	3.5
112	4.9
113	0
114	2.5
115	2.5
116	0
117	0
118	0
119	0
120	0
IC1703	
1	0
2	0
3	0
4	0
5	2.7
6	2.7
7	0
8	3.2
Q1401	
E	0
C	0
B	0.6



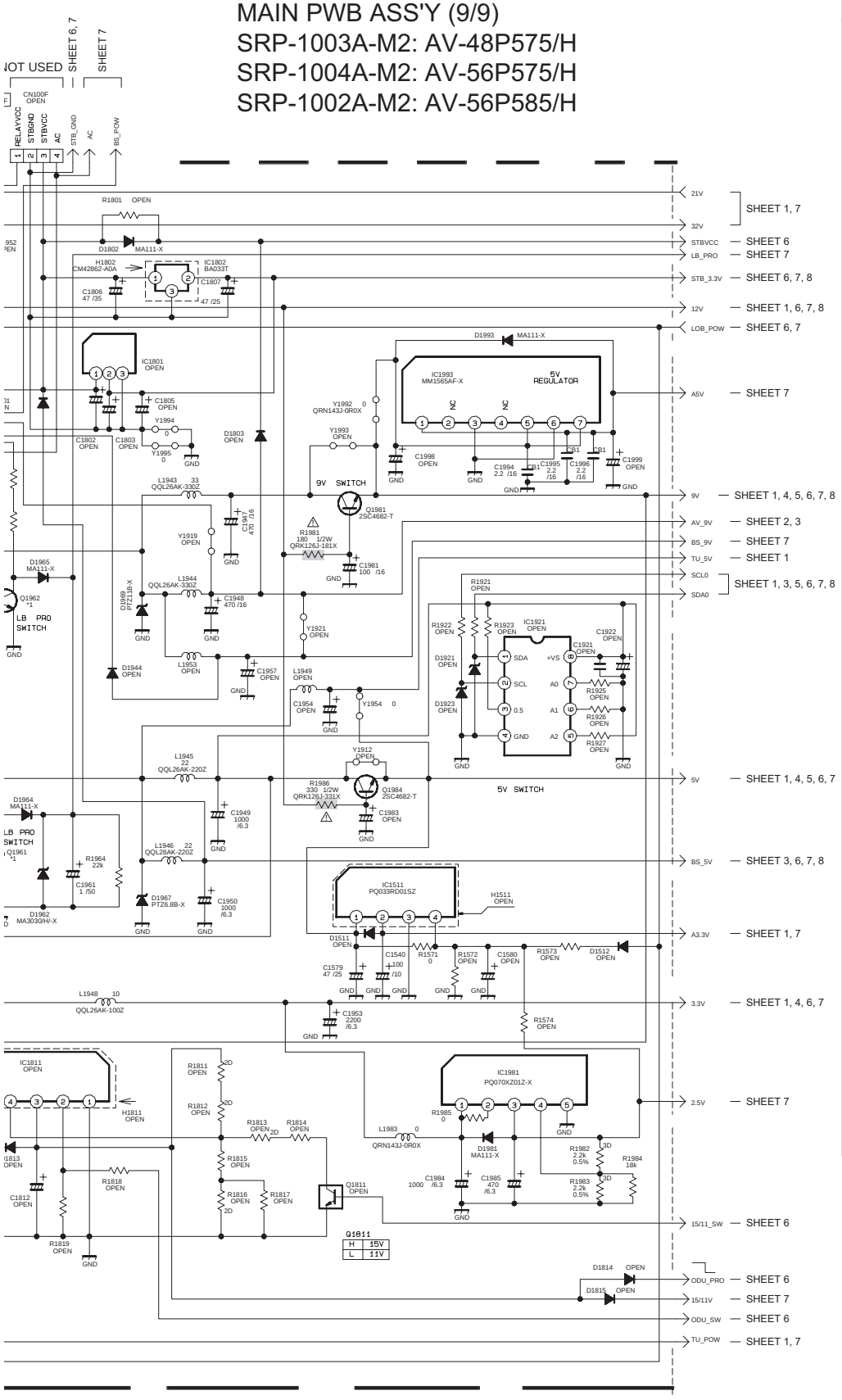
MAIN PWB ASS'Y (8/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H



MODE PIN NO.	DC (V)
IC6001	
1	4.4
2	4.4
3	4.4
4	NC
5	4.4
6	9
7	0
8	0
9	0
10	NC
11	4.4
12	4.4
13	4.4
14	4.4
IC1641	
1	4.4
2	0
3	0
4	4.4
5	4.4
6	4.4
7	0
8	0
9	0
10	4.7
11	0
12	8.9
13	4.4
14	4.4
15	4.4
16	4.4
17	4.4
18	4.4
19	4.4
20	4.4
IC1661	
1	NC
2	0
3	29.3
4	0
5	0
6	NC
7	14.5
8	0
9	0
10	30.9
11	10.2
12	14.5
Q6001	
E	0
C	11.3
B	0
Q6002	
E	0
C	0
B	0.6
Q1668	
E	0
C	0
B	2.5
Q1669	
E	0
C	4.6
B	-0.4
Q1671	
E	0
C	10.2
B	3.2
Q1672	
E	0
C	11.6
B	0
Q1673	
E	0
C	0
B	11.6
Q1674	
E	0
C	3.2
B	0

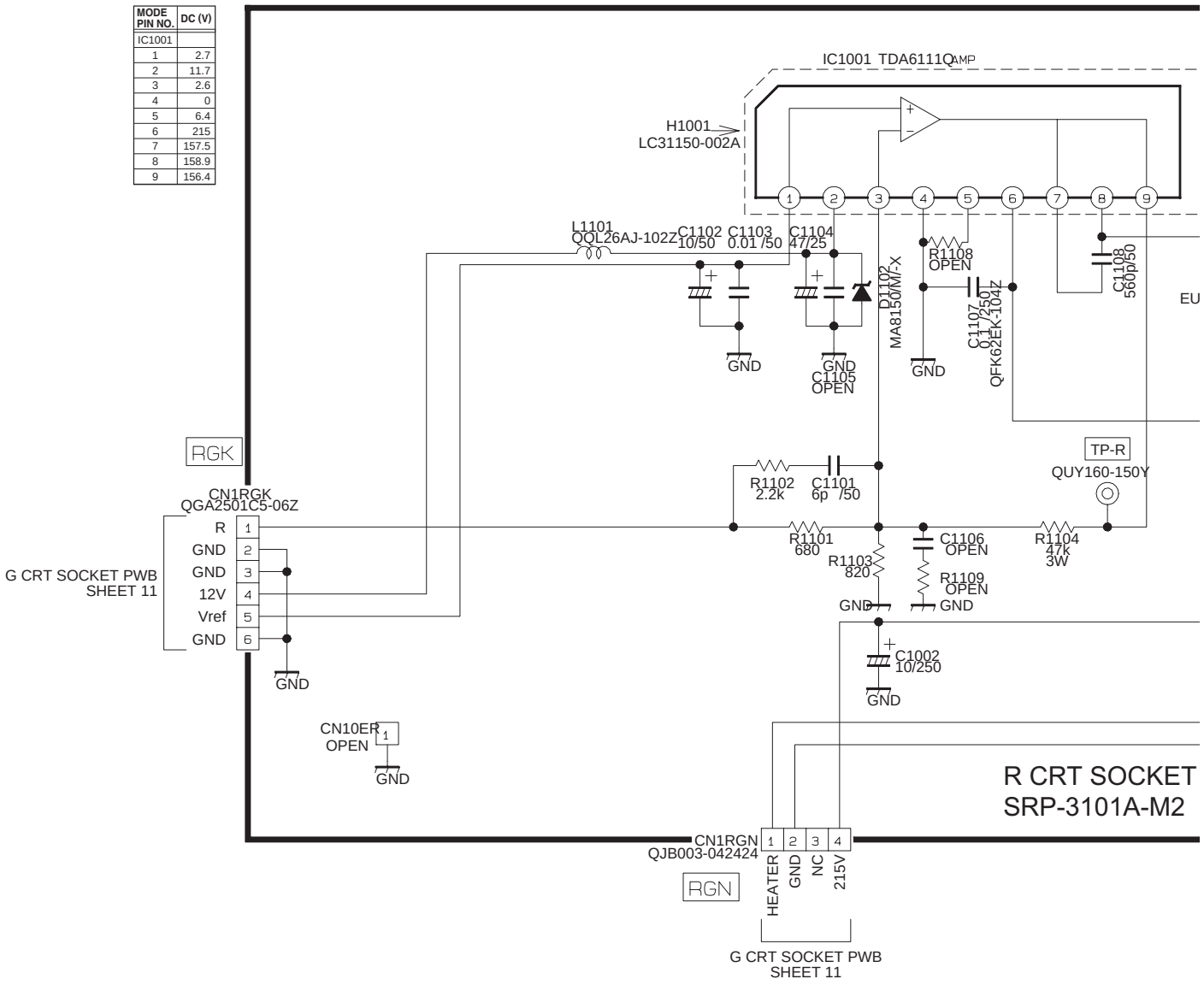

SHEET 7
SHEET 6, 7, 8
SHEET 8
SHEET 6
SHEET 8
POWER PWB
SHEET 16
NOT USED
CN1001
QGB1506L1-16
CN100F
OPEN
BS_8V
RELAY
AU_VCC
FAN_LOCK
STB_POW
A. VCC
A. VCC
A. GND
A. GND
MAIN_P
FAN_LOCK
GND
STB12V
RELAYVCC
STBGND
STBVCC
AC
12V
REGULATOR
IC1991
PQ12RD11
IN
OUT
GND
ON/OFF
9V
REGULATOR
IC1941
PQ1CG21H2FZ
Vadj
5V REGULATOR
IC1942
SI-8050JD-W
3.3V
REGULATOR
IC1943
PQ1CY1032Z-W
CN1002
QGB1506L1-16
14v
AV_9V
14v
BS_POW
LB/DEF_POW
AC
GND
GND
GND
BT32V
GND
12V
5V
9V
GND
GND
POWER PWB
SHEET 16
SWITCH
LB PRO
SWITCH

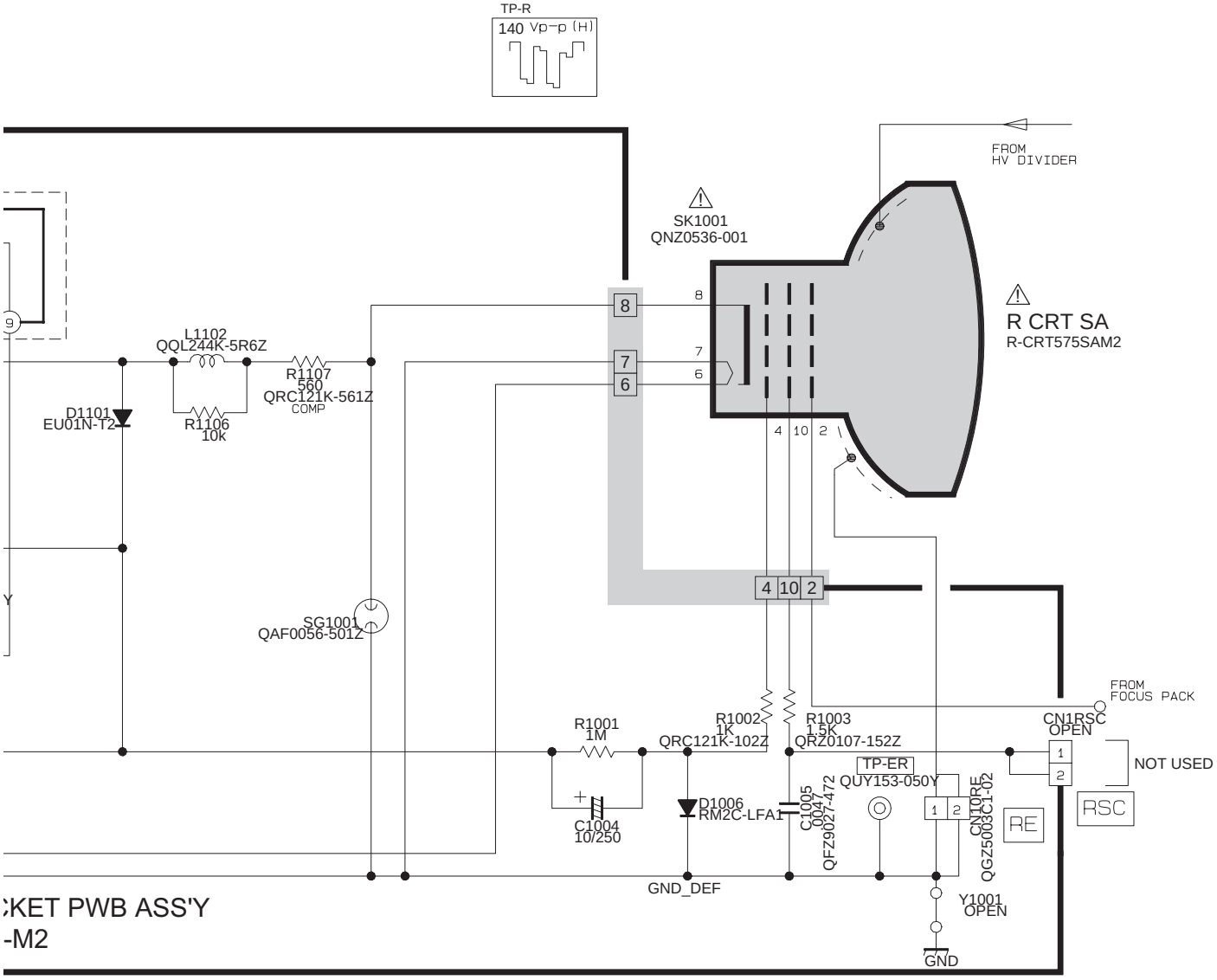
MAIN PWB ASS'Y (9/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H

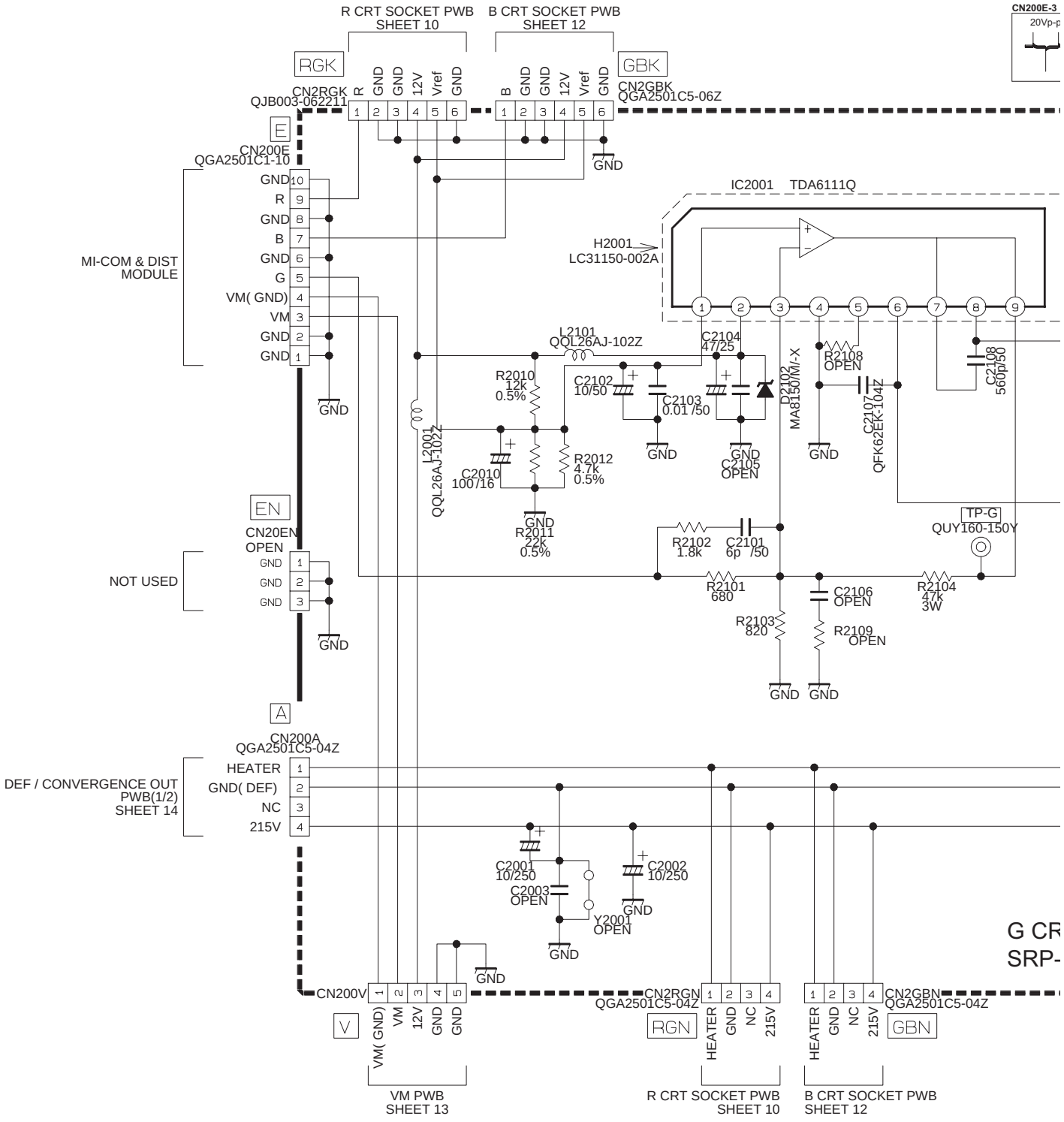


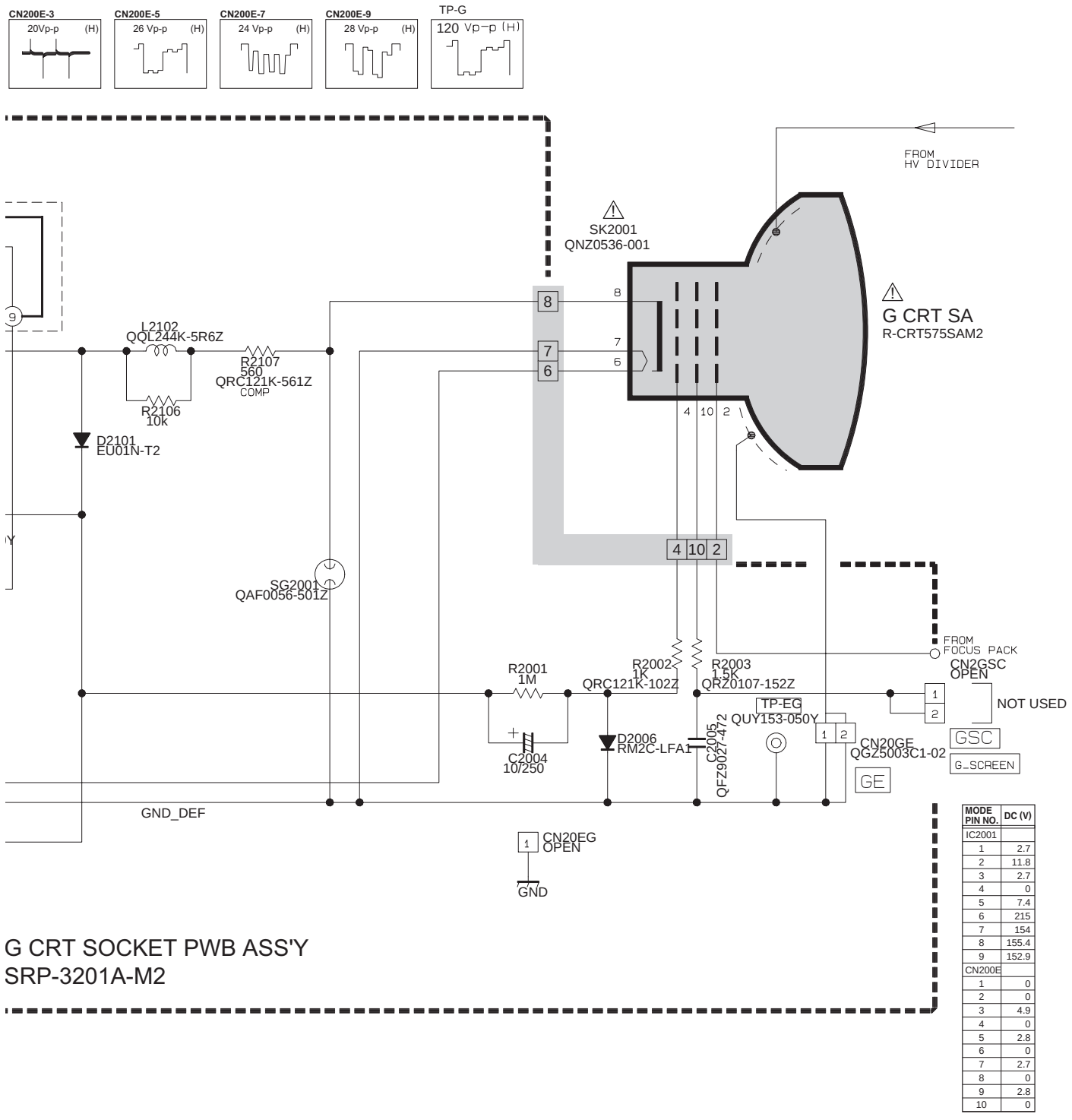
MODE PIN NO.	DC (V)
IC1511	
1	5
2	3.2
3	0
4	5
IC1802	
1	13.2
2	3.2
3	0
IC1941	
1	29.2
2	9.2
3	0
4	0
5	6.7
IC1942	
1	28.9
2	5.3
3	0
4	4.9
5	2.2
IC1943	
1	28.8
2	3.6
3	0
4	1.2
5	6.7
IC1981	
1	3.2
2	3.2
3	2.5
4	1.1
5	0
IC1991	
1	13.9
2	11.8
3	0
4	2.4
IC1993	
1	4.9
2	NC
3	0
4	NC
5	8.9
6	0
7	8.9
Q1961	
E	0
C	0
B	0.6
Q1962	
E	0
C	0
B	0.5
Q1964	
E	0
C	6.7
B	0
Q1965	
E	0
C	0
B	3.1
Q1966	
E	0
C	6.7
B	0
Q1967	
E	0
C	2.2
B	0
Q1981	
E	8.9
C	8.9
B	9.6
Q1984	
E	5
C	5
B	5.8

MODE PIN NO.	DC (V)
IC1001	
1	2.7
2	11.7
3	2.6
4	0
5	6.4
6	215
7	157.5
8	158.9
9	156.4




TP-R
140 Vp-p (H)
FROM
HV DIVIDER
SK1001
QNZ0536-001
R CRT SA
R-CRT575SAM2
L1102
QQL244K-5R6Z
R1107
560
QRC121K-561Z
COMP
D1101
EU01N-T2
R1106
10k
SG1001
QAF0056-501Z
R1001
1M
R1002
1K
QRC121K-102Z
R1003
1.5K
QRZ0107-152Z
C1004
10/250
D1006
RM2C-LFA1
C1005
.027
QFZ9027-472
TP-ER
QUY153-050Y
CN10RE
QGZ5003C1-02
RE
RSC
CN1RSC
OPEN
FROM
FOCUS PACK
NOT USED
GND_DEF
Y1001
OPEN
GND
CKET PWB ASS'Y
-M2

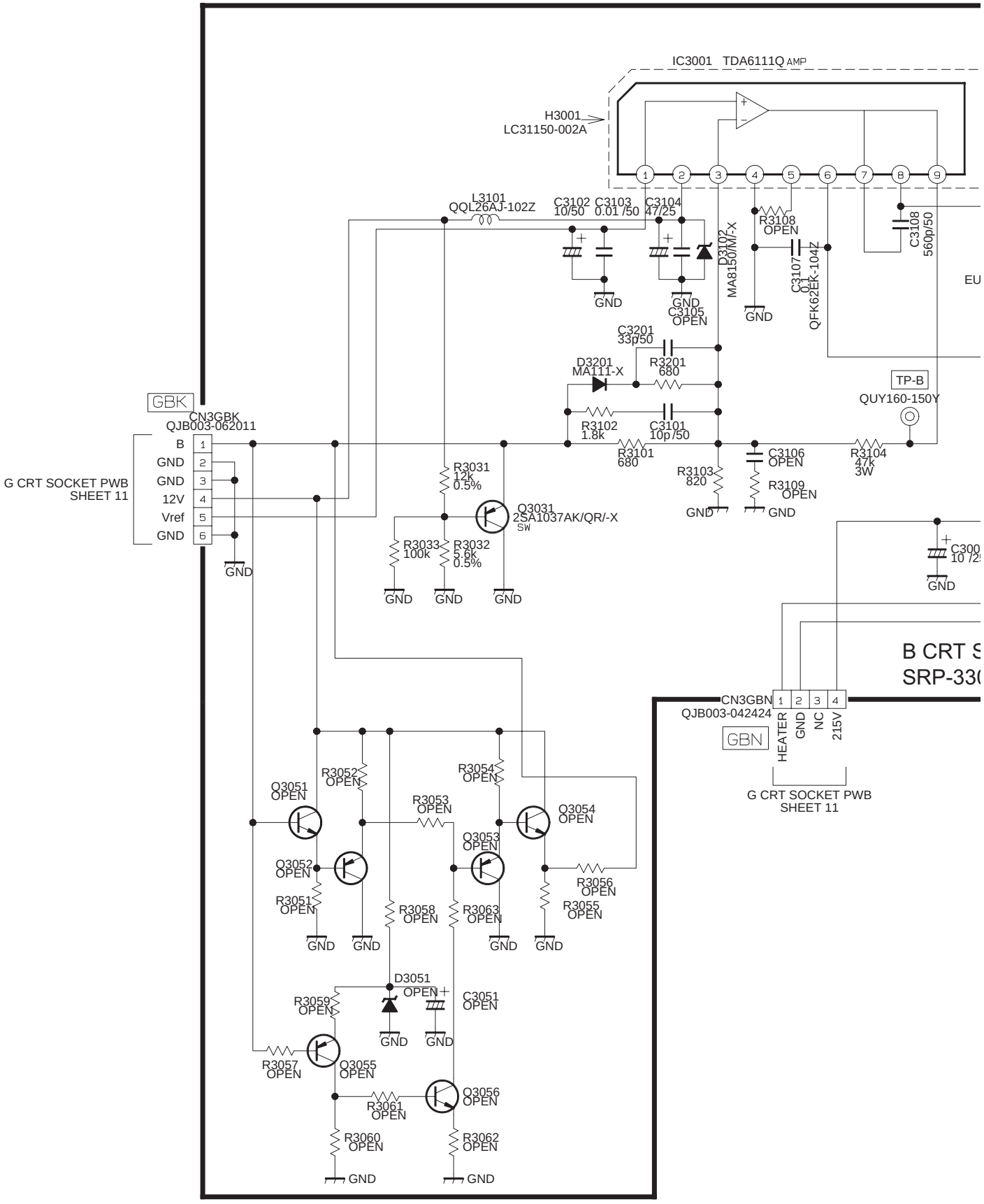

R CRT SOCKET PWB
SHEET 10
B CRT SOCKET PWB
SHEET 12
CN200E-3
20Vp-p
RGK
GBK
CN2RGK
QJB003-062211
CN2GBK
QGA2501C5-06Z
R
GND
12V
Vref
B
E
CN200E
QGA2501C1-10
MI-COM & DIST
MODULE
VM(GND)
VM
G
IC2001 TDA6111Q
H2001
LC31150-002A
L2101
QQL26AJ-102Z
C2104
47/25
R2108
OPEN
C2108
560p/50
D2102
MA8150/M/-X
C2107
QFK62EK-104Z
R2010
12k
0.5%
C2102
10/50
C2103
0.01 /50
L2001
QQL26AJ-102Z
C2010
100/16
R2012
4.7k
0.5%
R2011
22k
0.5%
C2105
OPEN
EN
CN20EN
OPEN
NOT USED
TP-G
QUY160-150Y
R2102
1.8k
C2101
6p /50
R2101
680
R2104
47k
3W
C2106
OPEN
R2103
820
R2109
OPEN
A
CN200A
QGA2501C5-04Z
DEF / CONVERGENCE OUT
PWB(1/2)
SHEET 14
HEATER
GND(DEF)
NC
215V
C2001
10/250
C2003
OPEN
C2002
10/250
Y2001
OPEN
CN200V
CN2RGN
QGA2501C5-04Z
CN2GBN
QGA2501C5-04Z
V
RGN
GBN
VM(GND)
VM
12V
VM PWB
SHEET 13
R CRT SOCKET PWB
SHEET 10
B CRT SOCKET PWB
SHEET 12

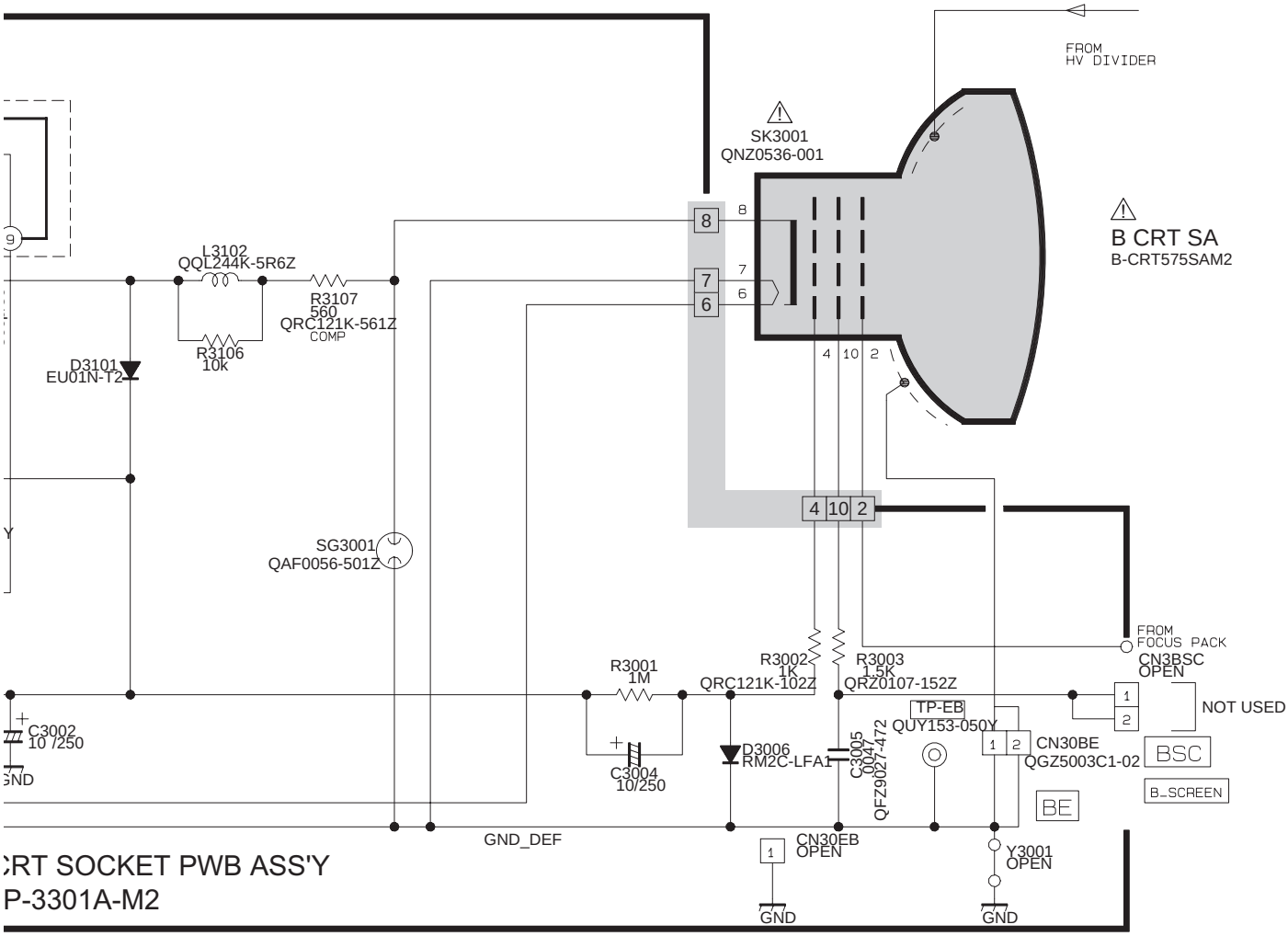


MODE PIN NO.	DC (V)
IC2001	
1	2.7
2	11.8
3	2.7
4	0
5	7.4
6	215
7	154
8	155.4
9	152.9
CN200E	
1	0
2	0
3	4.9
4	0
5	2.8
6	0
7	2.7
8	0
9	2.8
10	0

G CRT SOCKET PWB ASS'Y
SRP-3201A-M2

B CRT SOCKET PWB CIRCUIT DIAGRAM SHEET 12

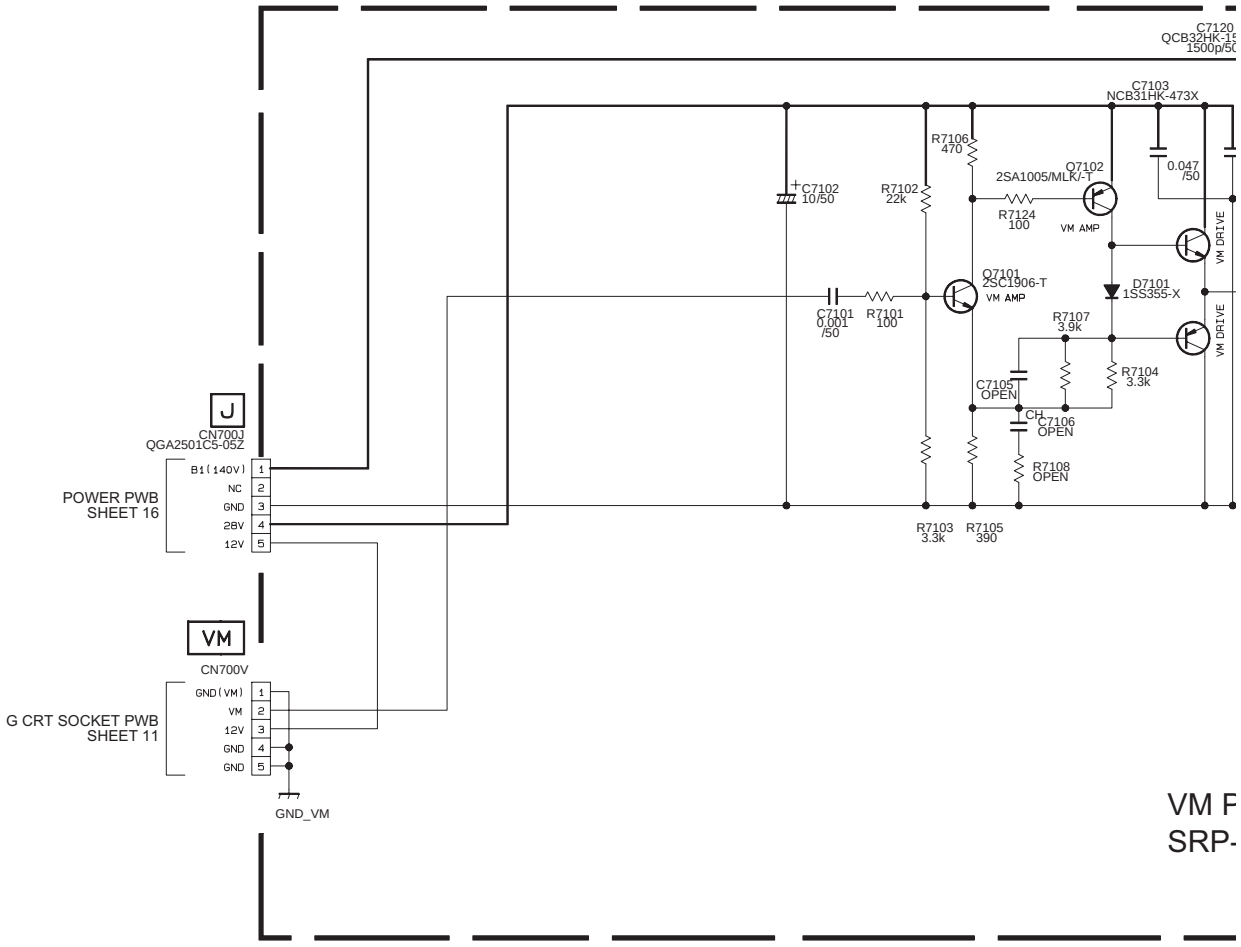


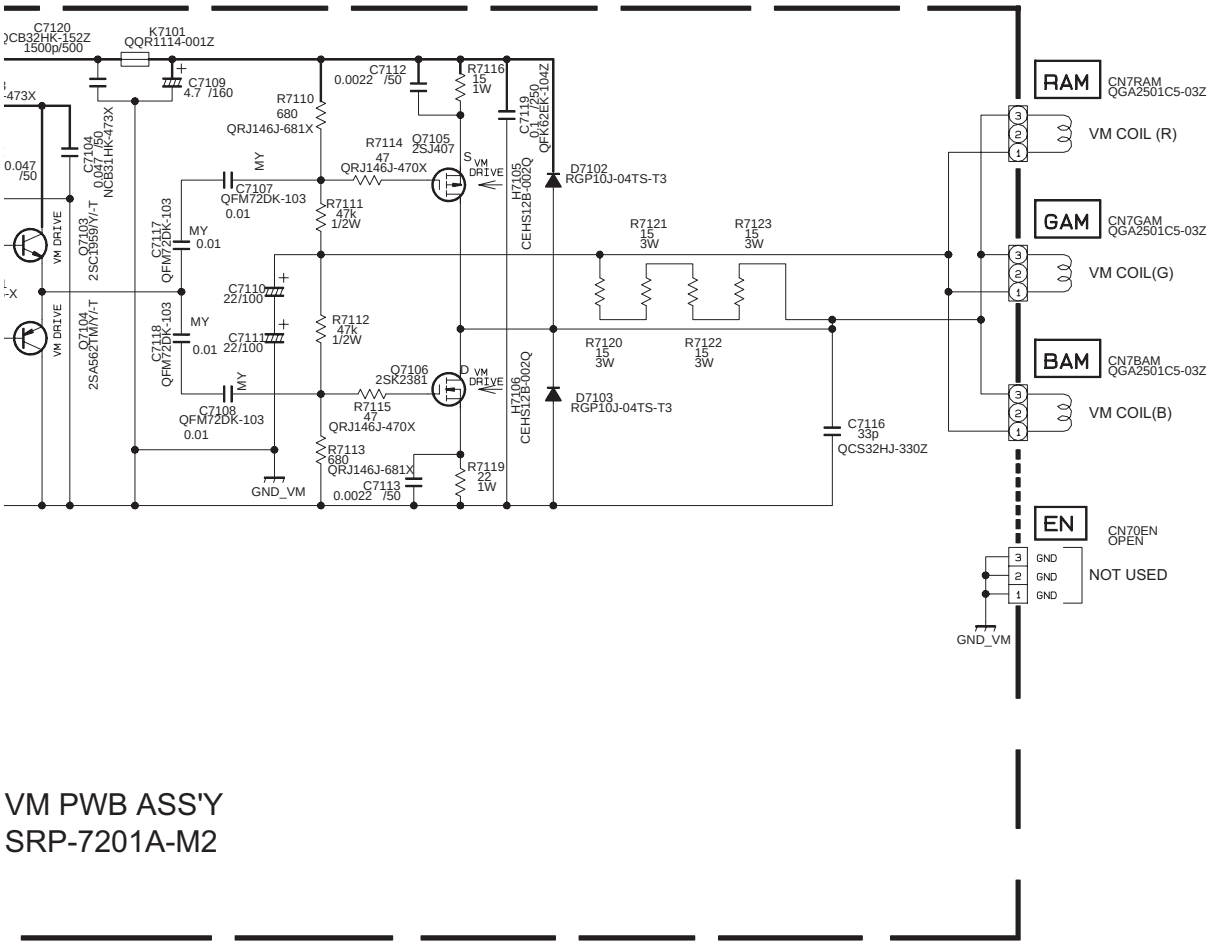


TP-B

140 Vp-p (H)

MODE PIN NO.	DC (V)
IC3001	
1	2.7
2	11.8
3	2.7
4	0
5	6.6
6	215
7	153.6
8	154.6
9	152.6
Q3031	
E	2.7
C	0
B	3.4


C7120
QCB32HK-1
1500p/5
C7103
NCB31HK-473X
R7106
470
C7102
10/50
R7102
22k
Q7102
2SA1005/MLK/-T
0.047
/50
R7124
100
VM AMP
VM DRIVE
Q7101
2SC1906-T
VM AMP
D7101
1SS355-X
C7101
0.001
/50
R7101
100
R7107
3.9k
VM DRIVE
C7105
OPEN
R7104
3.3k
CH
C7106
OPEN
R7108
OPEN
R7103
3.3k
R7105
390
J
CN700J
QGA2501C5-05Z
B1(140V)
NC
GND
28V
12V
POWER PWB
SHEET 16
VM
CN700V
GND(VM)
VM
12V
GND
GND
G CRT SOCKET PWB
SHEET 11
GND_VM
VM F
SRP-

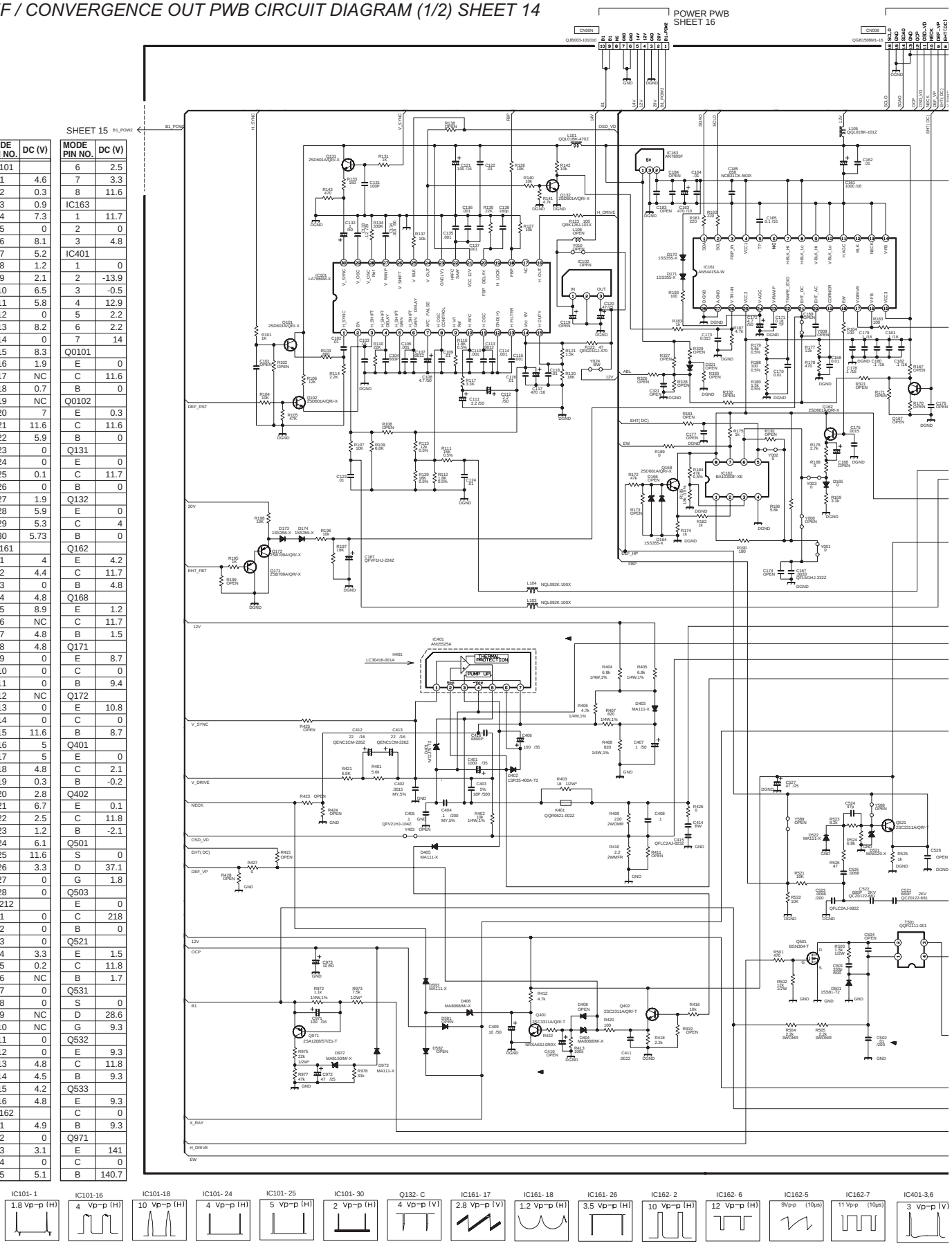


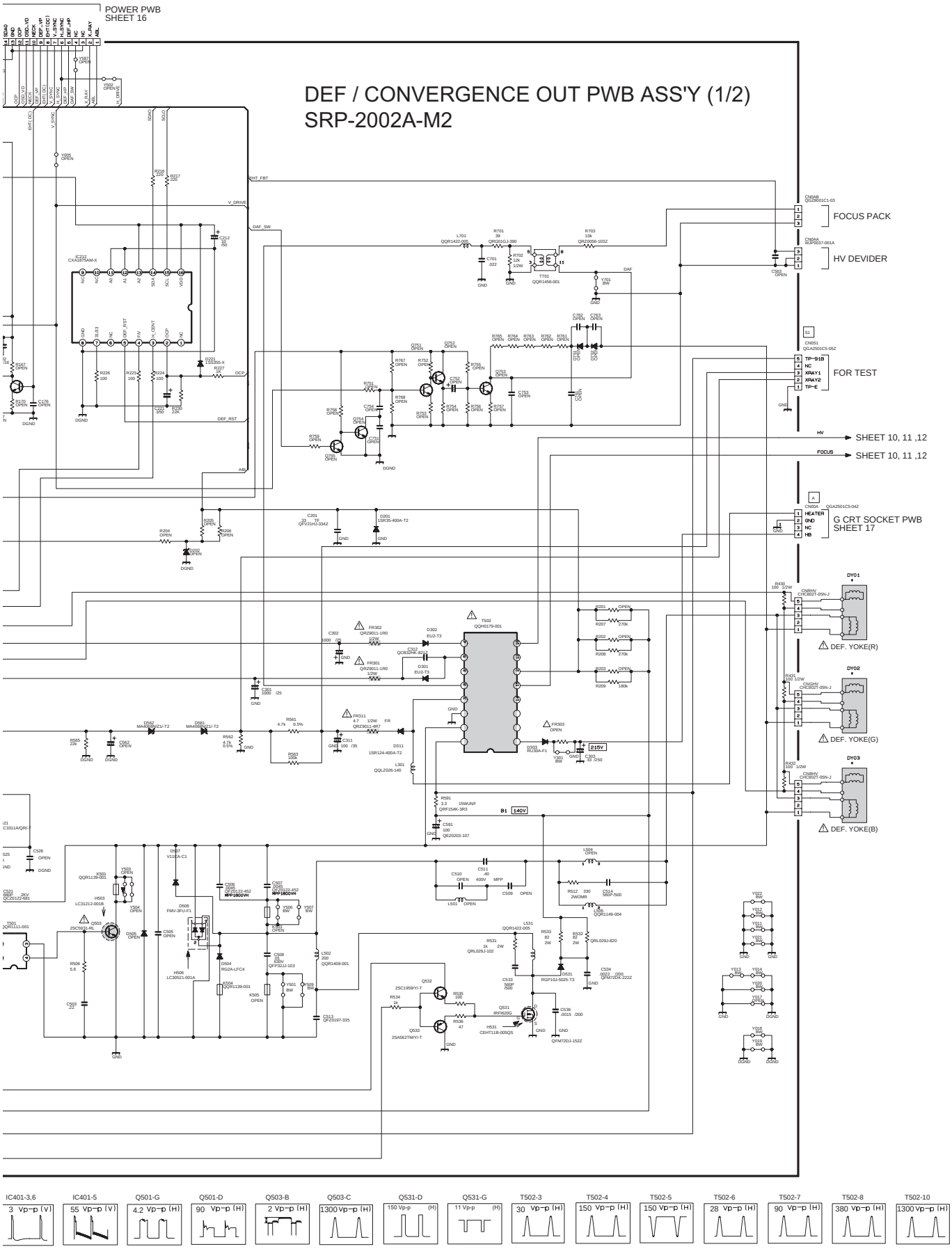
MODE PIN NO.	DC (V)
Q7101	
E	1.1
C	6
B	1.7
Q7102	
E	5.3
C	11.7
B	6
Q7103	
E	3.2
C	5.3
B	11.7
Q7104	
E	3.2
C	0
B	1.1
Q7105	
S	130
D	66.4
G	127.2
Q7106	
S	2.7
D	66.4
G	3.2

VM PWB ASS'Y
SRP-7201A-M2

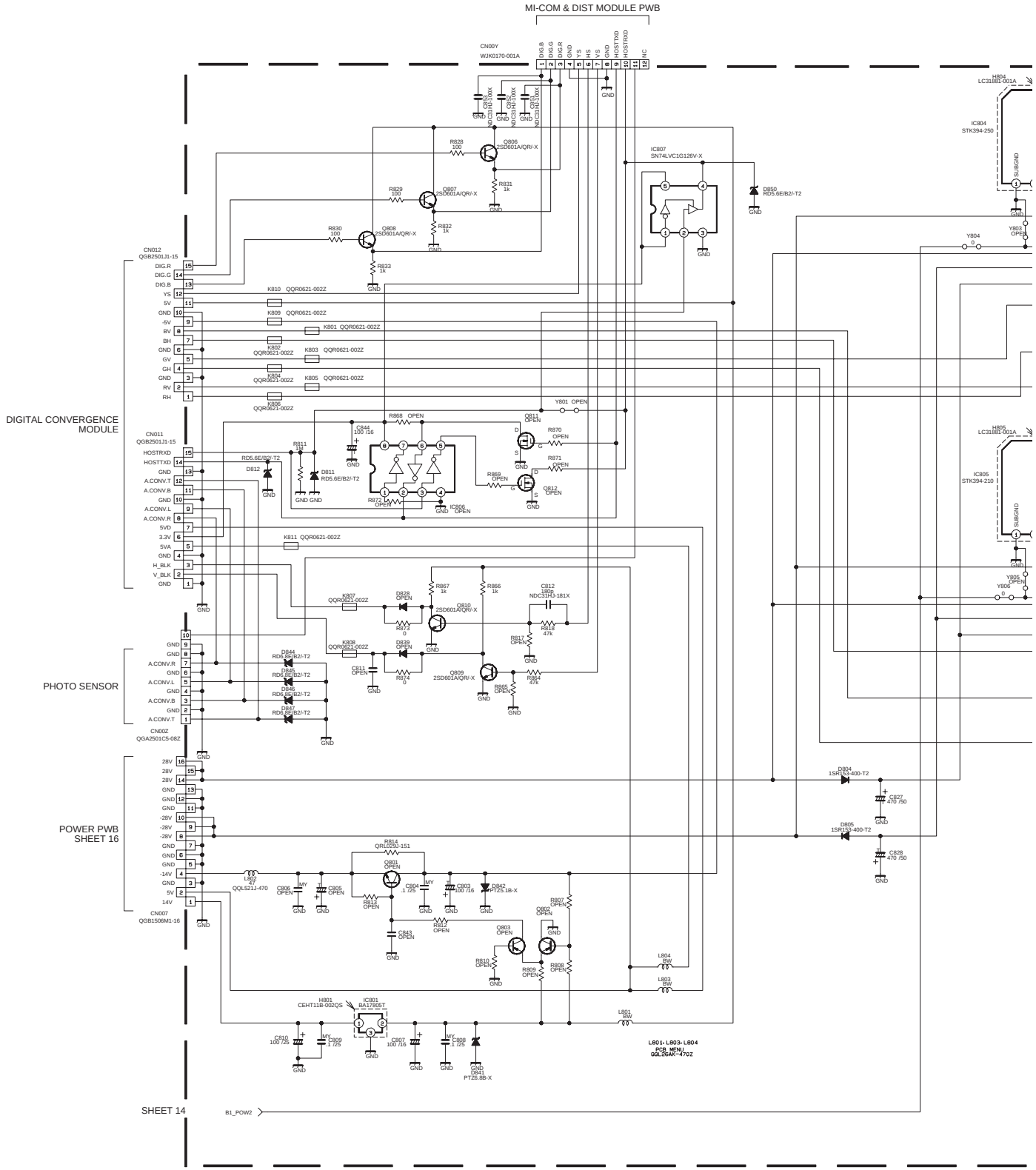
MODE PIN NO.	DC (V)
IC101	
1	4.6
2	0.3
3	0.9
4	7.3
5	0
6	8.1
7	5.2
8	1.2
9	2.1
10	6.5
11	5.8
12	0
13	8.2
14	0
15	8.3
16	1.9
17	NC
18	0.7
19	NC
20	7
21	11.6
22	5.9
23	0
24	0
25	0.1
26	0
27	1.9
28	5.9
29	5.3
30	5.73
IC161	
1	4
2	4.4
3	0
4	4.8
5	8.9
6	NC
7	4.8
8	4.8
9	0
10	0
11	0
12	NC
13	0
14	0
15	11.6
16	5
17	5
18	4.8
19	0.3
20	2.8
21	6.7
22	2.5
23	1.2
24	6.1
25	11.6
26	3.3
27	0
28	0
IC212	
1	0
2	0
3	0
4	3.3
5	0.2
6	NC
7	0
8	0
9	NC
10	NC
11	0
12	0
13	4.8
14	4.5
15	4.2
16	4.8
IC162	
1	4.9
2	0
3	3.1
4	0
5	5.1

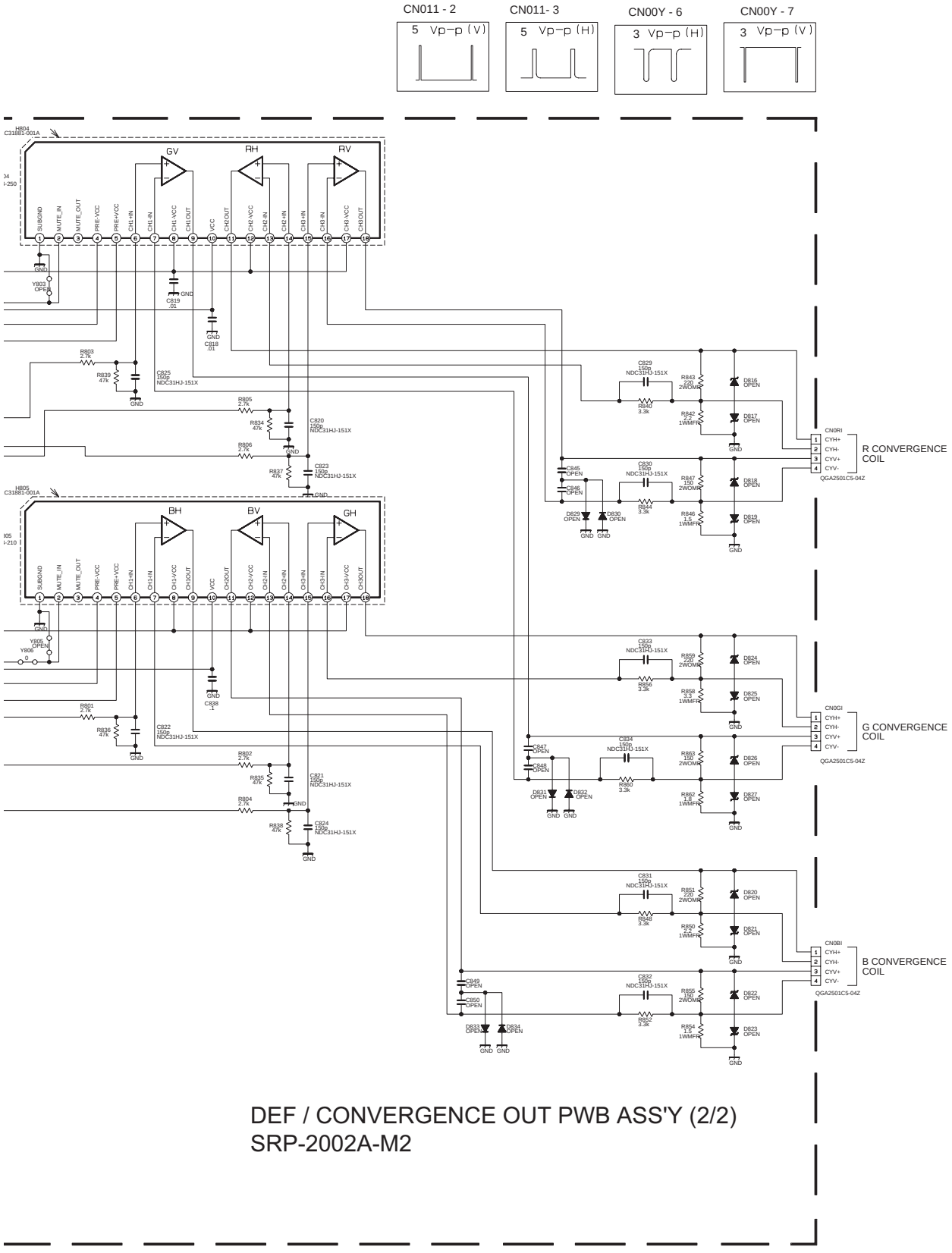
MODE PIN NO.	DC (V)
6	2.5
7	3.3
8	11.6
IC163	
1	11.7
2	0
3	4.8
IC401	
1	0
2	-13.9
3	-0.5
4	12.9
5	2.2
6	2.2
7	14
Q0101	
E	0
C	11.6
B	0
Q0102	
E	0.3
C	11.6
B	0
Q131	
E	0
C	11.7
B	0
Q132	
E	0
C	4
B	0
Q162	
E	4.2
C	11.7
B	4.8
Q168	
E	1.2
C	11.7
B	1.5
Q171	
E	8.7
C	0
B	9.4
Q172	
E	10.8
C	0
B	8.7
Q401	
E	0
C	2.1
B	-0.2
Q402	
E	0.1
C	11.8
B	-2.1
Q501	
S	0
D	37.1
G	1.8
Q503	
E	0
C	218
B	0
Q521	
E	1.5
C	11.8
B	1.7
Q531	
S	0
D	28.6
G	9.3
Q532	
E	9.3
C	11.8
B	9.3
Q533	
E	9.3
C	0
B	9.3
Q971	
E	141
C	0
B	140.7




DEF / CONVERGENCE OUT PWB ASS'Y (1/2)
SRP-2002A-M2
POWER PWB
SHEET 16
FOCUS PACK
HV DEVIDER
FOR TEST
SHEET 10, 11 ,12
SHEET 10, 11 ,12
G CRT SOCKET PWB
SHEET 17
DEF. YOKE(R)
DEF. YOKE(G)
DEF. YOKE(B)
140V
215V

IC401-3,6
3 Vp-p (V)
IC401-5
55 Vp-p (V)
Q501-G
4.2 Vp-p (H)
Q501-D
90 Vp-p (H)
Q503-B
2 Vp-p (H)
Q503-C
1300 Vp-p (H)
Q531-D
150 Vp-p (H)
Q531-G
11 Vp-p (H)
T502-3
30 Vp-p (H)
T502-4
150 Vp-p (H)
T502-5
150 Vp-p (H)
T502-6
28 Vp-p (H)
T502-7
90 Vp-p (H)
T502-8
380 Vp-p (H)
T502-10
1300 Vp-p (H)

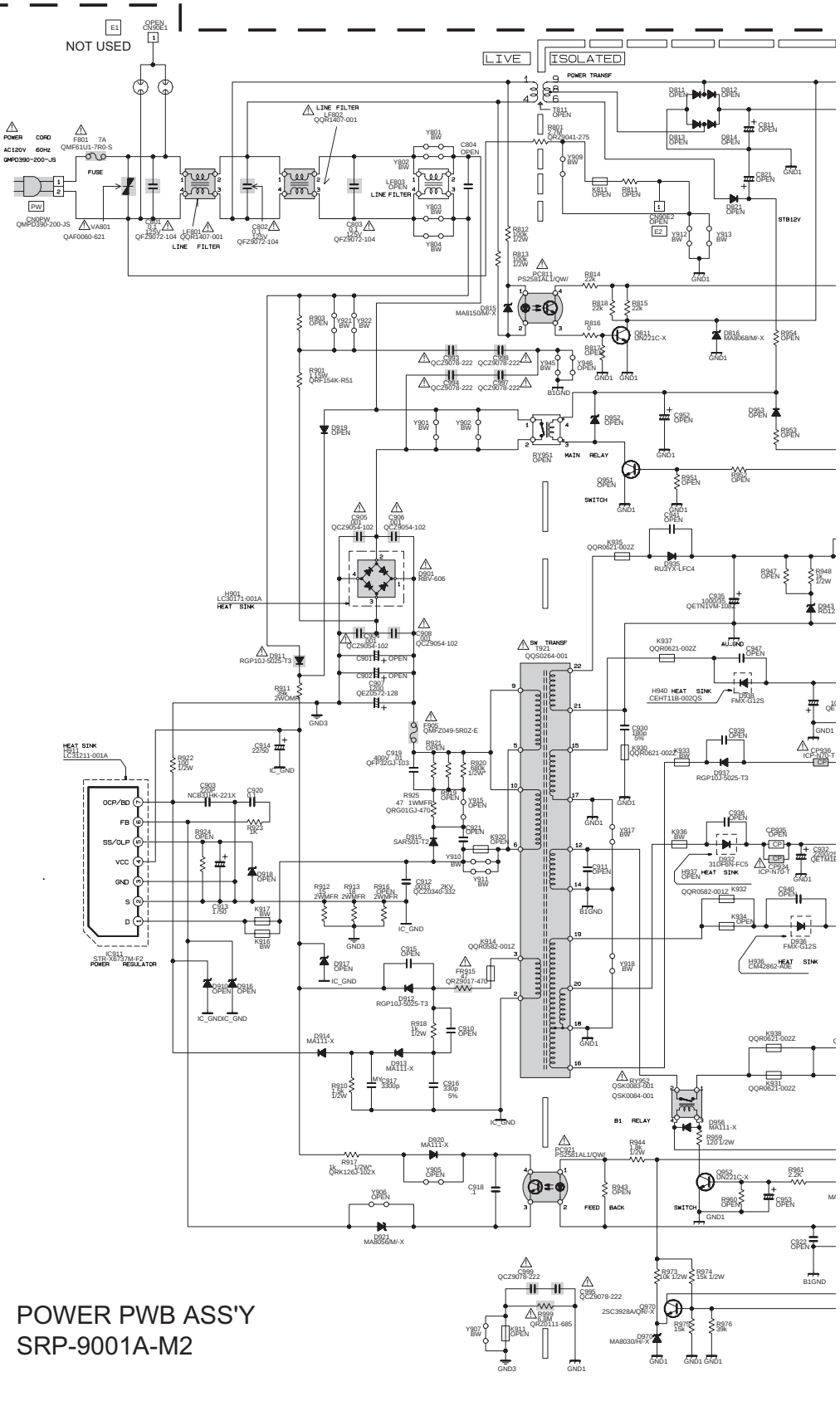

MI-COM & DIST MODULE PWB
DIGITAL CONVERGENCE MODULE
PHOTO SENSOR
POWER PWB SHEET 16
SHEET 14
B1_POW2
CN012 QGB2501J1-15
CN011 QGB2501J1-15
CN00Z QGA2501C5-08Z
CN007 QGB1506M1-16
CN00Y WJK0170-001A
IC807 SN74LVC1G126V-X
IC804 STK394-250
IC805 STK394-210
IC801 BA17805T
H801 CEHT11B-002QS
H804 LC31881-001A
H805 LC31881-001A
L801 8W
L803 8W
L804 8W
L801-L803-L804 PCB MENU QGL25AK-470Z
SUBGND
GND

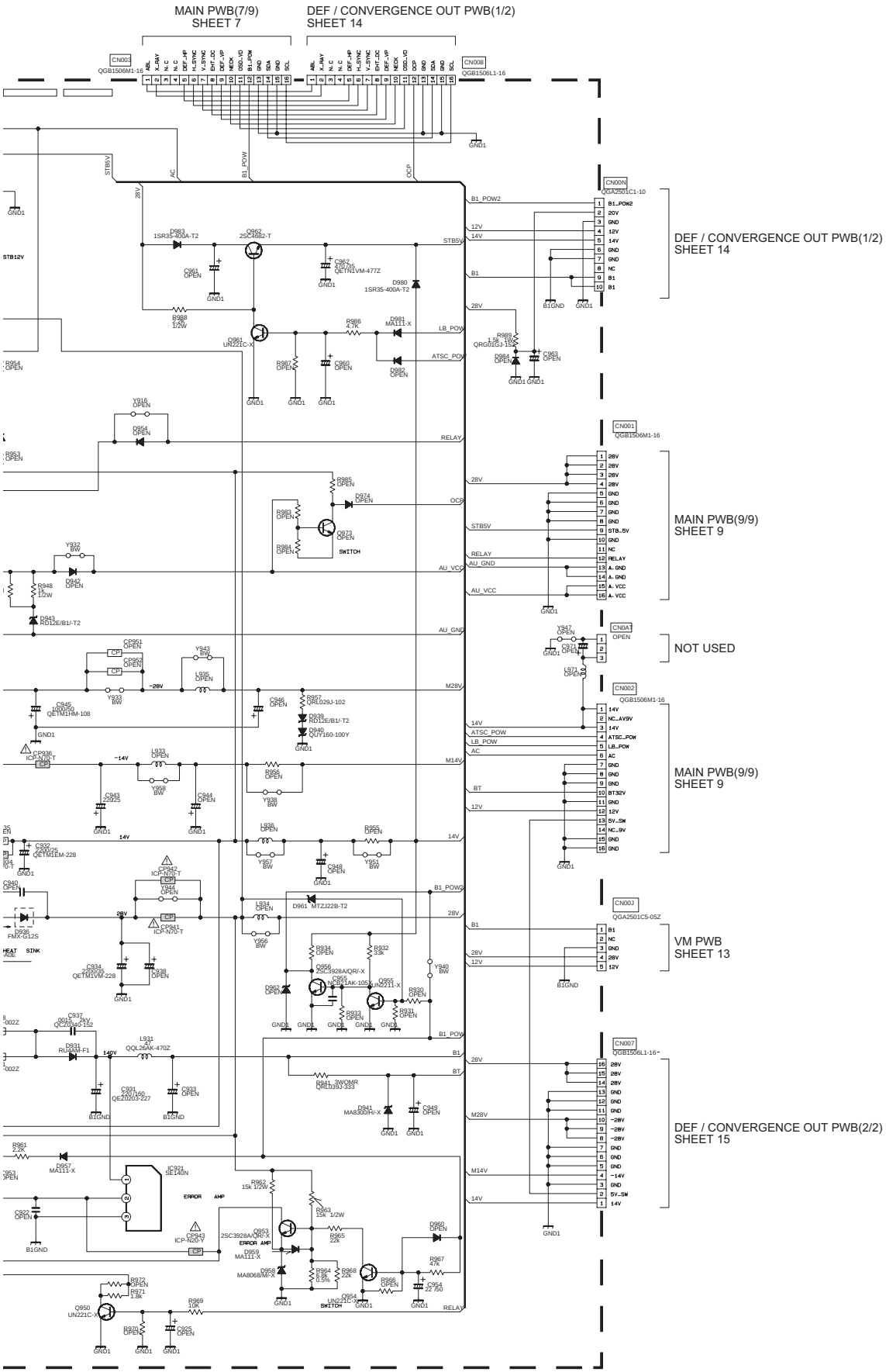


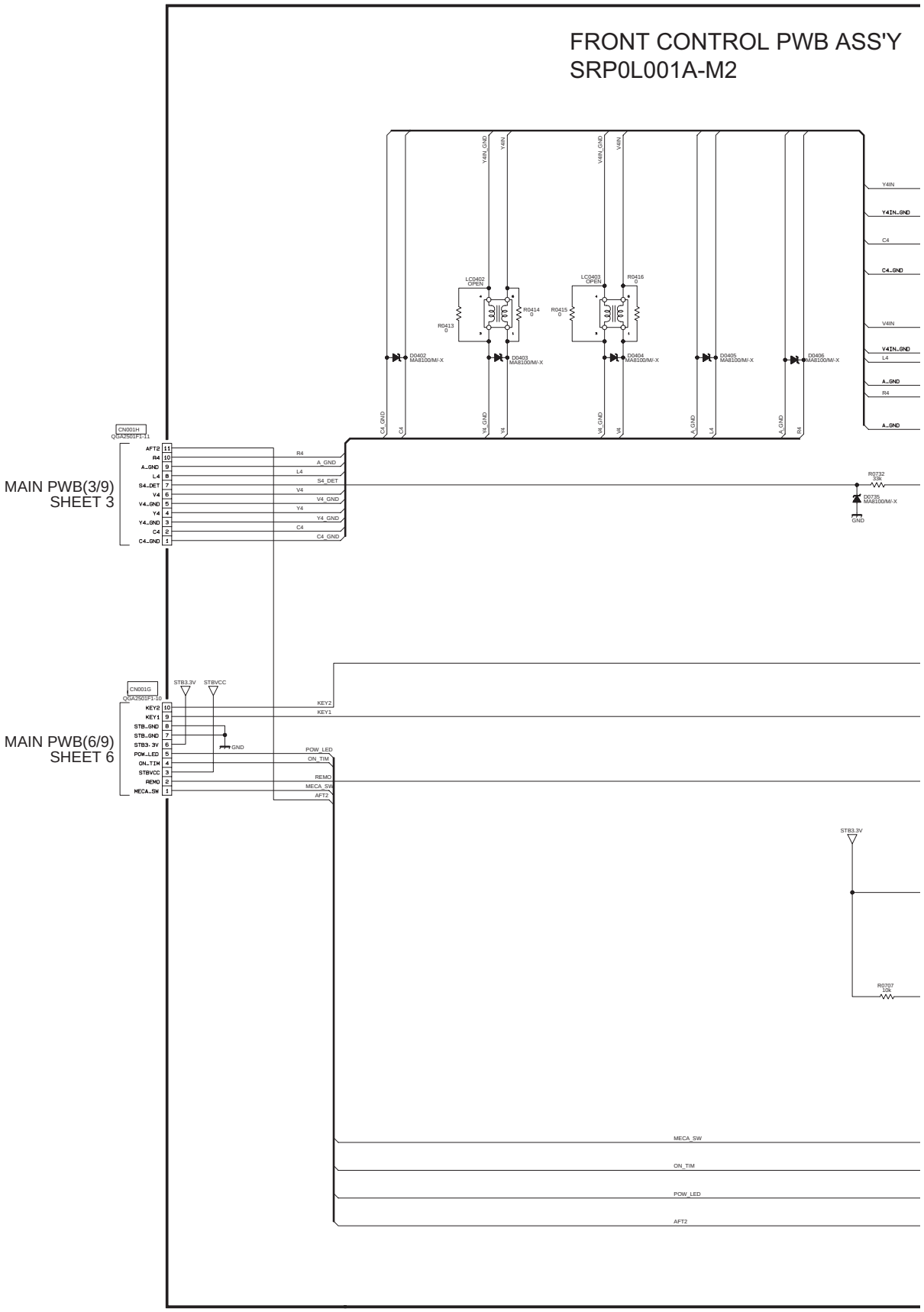
DEF / CONVERGENCE OUT PWB ASS'Y (2/2)
SRP-2002A-M2

MODE PIN NO.	DC (V)
IC801	
1	14.1
2	4.8
3	0
IC804	
1	0
2	2.8
3	-28.2
4	-29.2
5	28.5
6	0.1
7	0.1
8	-29.8
9	0.1
10	29.1
11	0.6
12	-29.8
13	0.4
14	0.4
15	0.1
16	0.1
17	-29.8
18	0.1
IC805	
1	0
2	2.7
3	-28.2
4	-29.2
5	28.5
6	-0.2
7	-0.2
8	-29.8
9	-0.2
10	29.2
11	0.1
12	-29.8
13	0.1
14	0.1
15	0.2
16	0.2
17	-29.8
18	0.3
IC807	
1	3.2
2	0
3	0
4	3.2
5	3.2
Q806	
E	0
C	4.8
B	0
Q807	
E	4.8
C	0
B	0
Q808	
E	0
C	4.9
B	0
Q809	
E	0
C	0.1
B	0.5
Q810	
E	0
C	0.7
B	0.3
CN00Y	
1	0
2	4.8
3	0
4	0
5	0
6	0.3
7	0.5
8	0
9	3.2
10	3.2
11	0
12	NC
CN011	
1	0
2	0.2
3	0.8
4	0
5	5
6	3.3
7	5
8	0
9	0.1
10	0
11	0
12	0.1
13	0
14	3.2
15	3.2
CN012	
1	0.5
2	0.1
3	0
4	0.3
5	0.1
6	0
7	-0.2
8	0.1
9	-5.3
10	0
11	4.8
12	0
13	0
14	0
15	0

MODE PIN NO.	DC (V)
IC921	
1	141.2
2	0
3	0
PC811	
1	51.6
2	5.6
3	-0.2
4	0
PC921	
1	28.2
2	27.7
3	6.7
4	19.7
Q811	
E	0
C	0
B	-0.2
Q950	
E	0
C	0
B	0.5
Q952	
E	0
C	0
B	0.7
Q953	
E	0
C	0
B	0
Q954	
E	0
C	0
B	0.5
Q970	
E	2.7
C	27.1
B	2.7
Q961	
E	0
C	0
B	0.6
Q962	
E	13.2
C	29.7
B	0

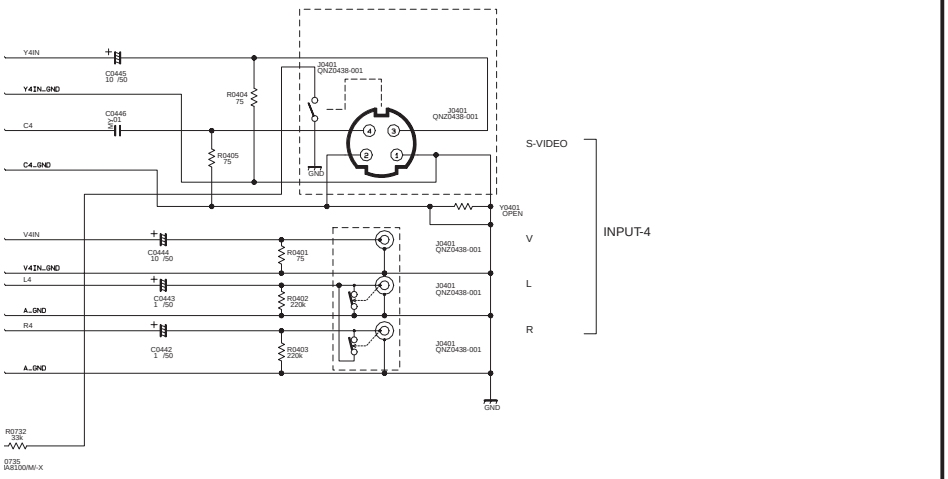


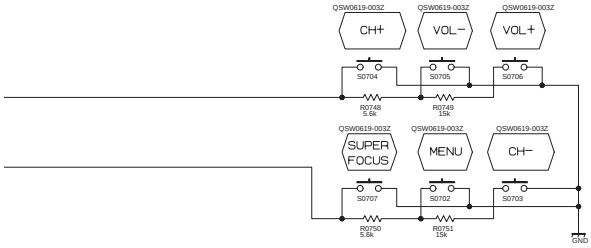

MAIN PWB(7/9)
SHEET 7
DEF / CONVERGENCE OUT PWB(1/2)
SHEET 14
CN003
QGB1506M1-16
CN008
QGB1506L1-16
CN00N
QGA2501C1-10
DEF / CONVERGENCE OUT PWB(1/2)
SHEET 14
CN001
QGB1506M1-16
MAIN PWB(9/9)
SHEET 9
CN0A
OPEN
NOT USED
CN002
QGB1506M1-16
MAIN PWB(9/9)
SHEET 9
CN00J
QGA2501C5-05Z
VM PWB
SHEET 13
CN007
QGB1506L1-16
DEF / CONVERGENCE OUT PWB(2/2)
SHEET 15
STB5V
AC
B1_POW
OCP
28V
B1_POW2
12V
14V
STB5V
B1
28V
LB_POW
ATSC_POW
RELAY
OCP
STB5V
RELAY
AU_GND
AU_VCC
AU_GND
M28V
14V
ATSC_POW
LB_POW
AC
BT
12V
14V
B1_POW2
28V
B1
28V
12V
B1_POW
B1
BT
M28V
M14V
14V
RELAY
ERROR AMP
SWITCH
GND1
B1GND

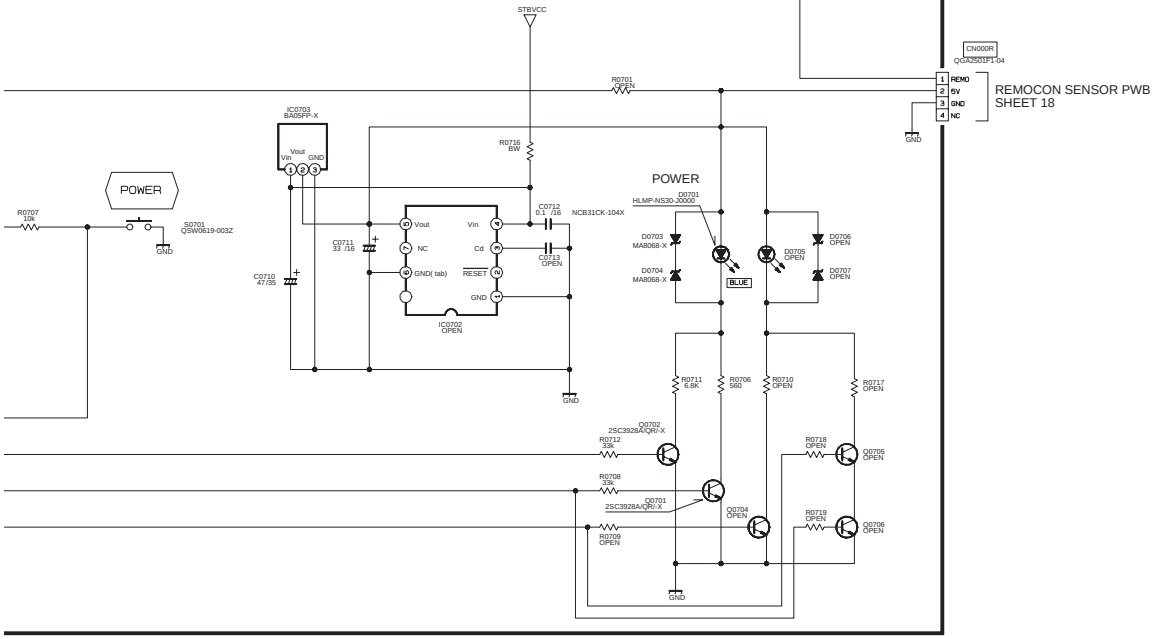

FRONT CONTROL PWB ASS'Y
SRP0L001A-M2
MAIN PWB(3/9)
SHEET 3
MAIN PWB(6/9)
SHEET 6
CN001H
QGA2501F1-11
CN001G
QGA2501F1-10
LC0402
OPEN
LC0403
OPEN
R0413
0
R0414
0
R0415
0
R0416
0
D0402
MA8100/M/-X
D0403
MA8100/M/-X
D0404
MA8100/M/-X
D0405
MA8100/M/-X
D0406
MA8100/M/-X
R0732
33k
D0735
MA8100/M/-X
R0707
10k
GND
STB3.3V
STBVCC
Y4IN
Y4IN_GND
C4
C4_GND
V4
V4_GND
A_GND
L4
R4
AFT2
S4_DET
KEY1
KEY2
STB_GND
POW_LED
ON_TIM
REMO
MECA_SW

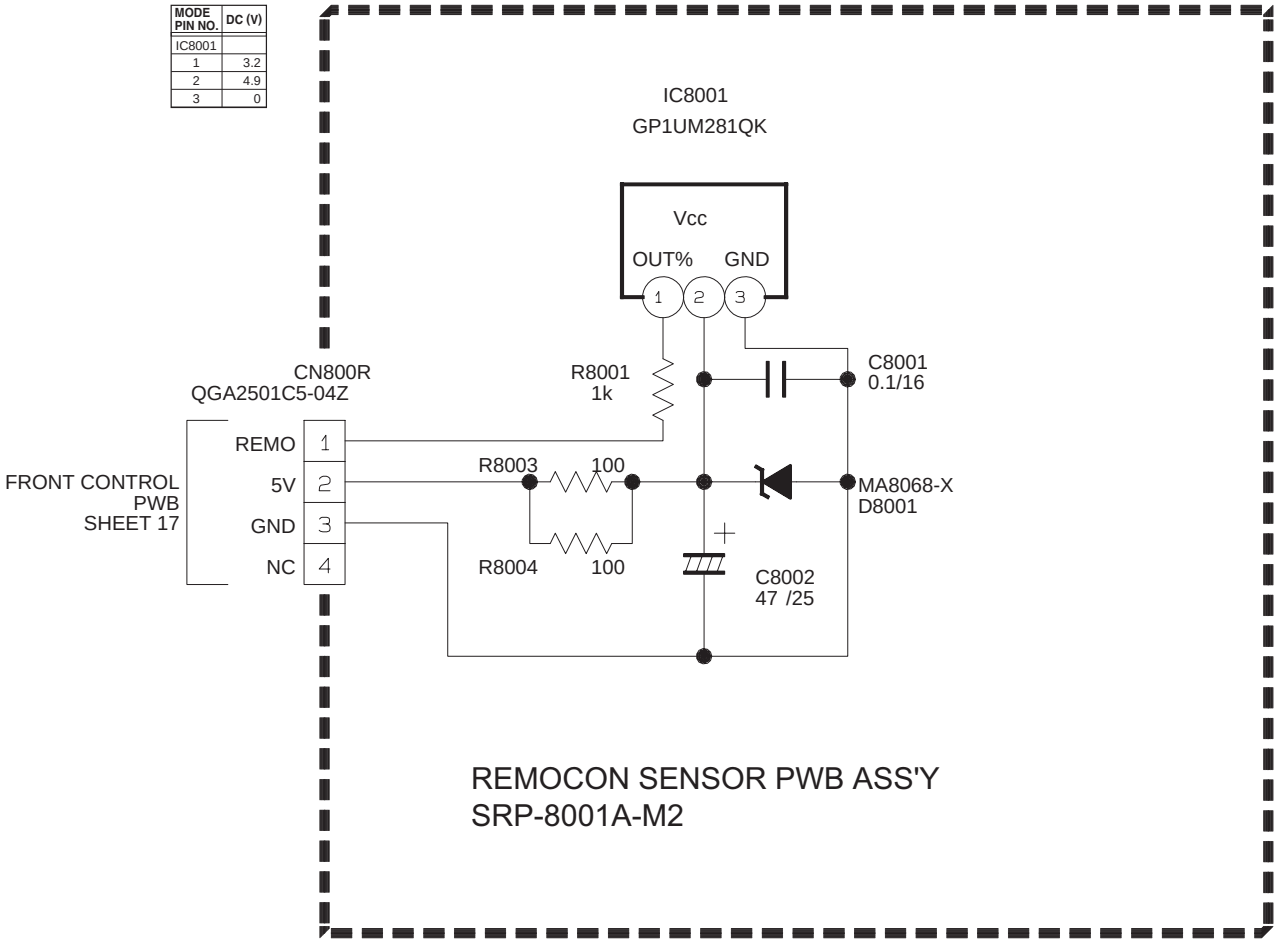
S'Y

MODE PIN NO.	DC (V)
IC0703	
1	12.5
2	4.9
3	0
Q0701	
E	0
C	0.1
B	0.6
Q0702	
E	0
C	2
B	0



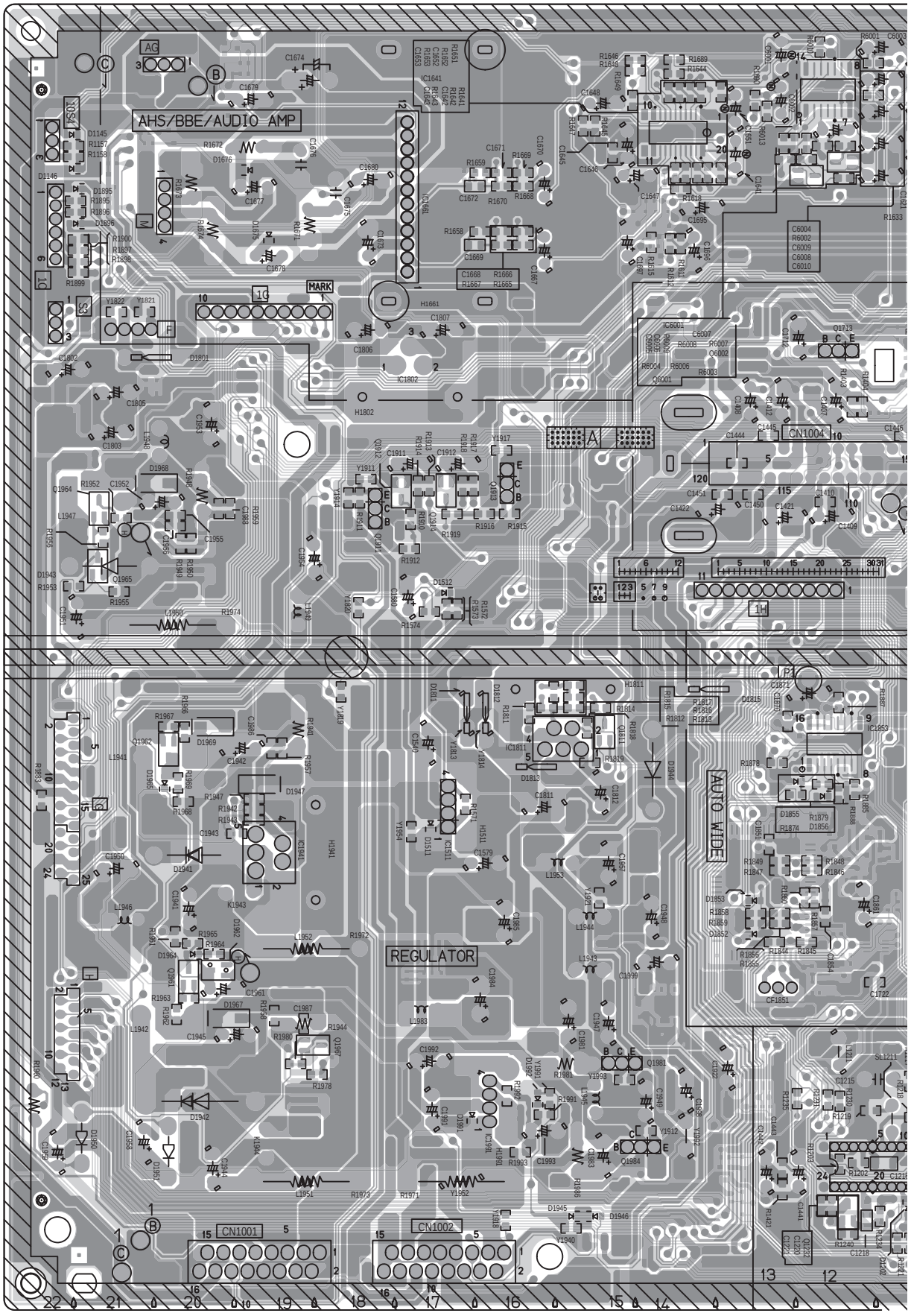


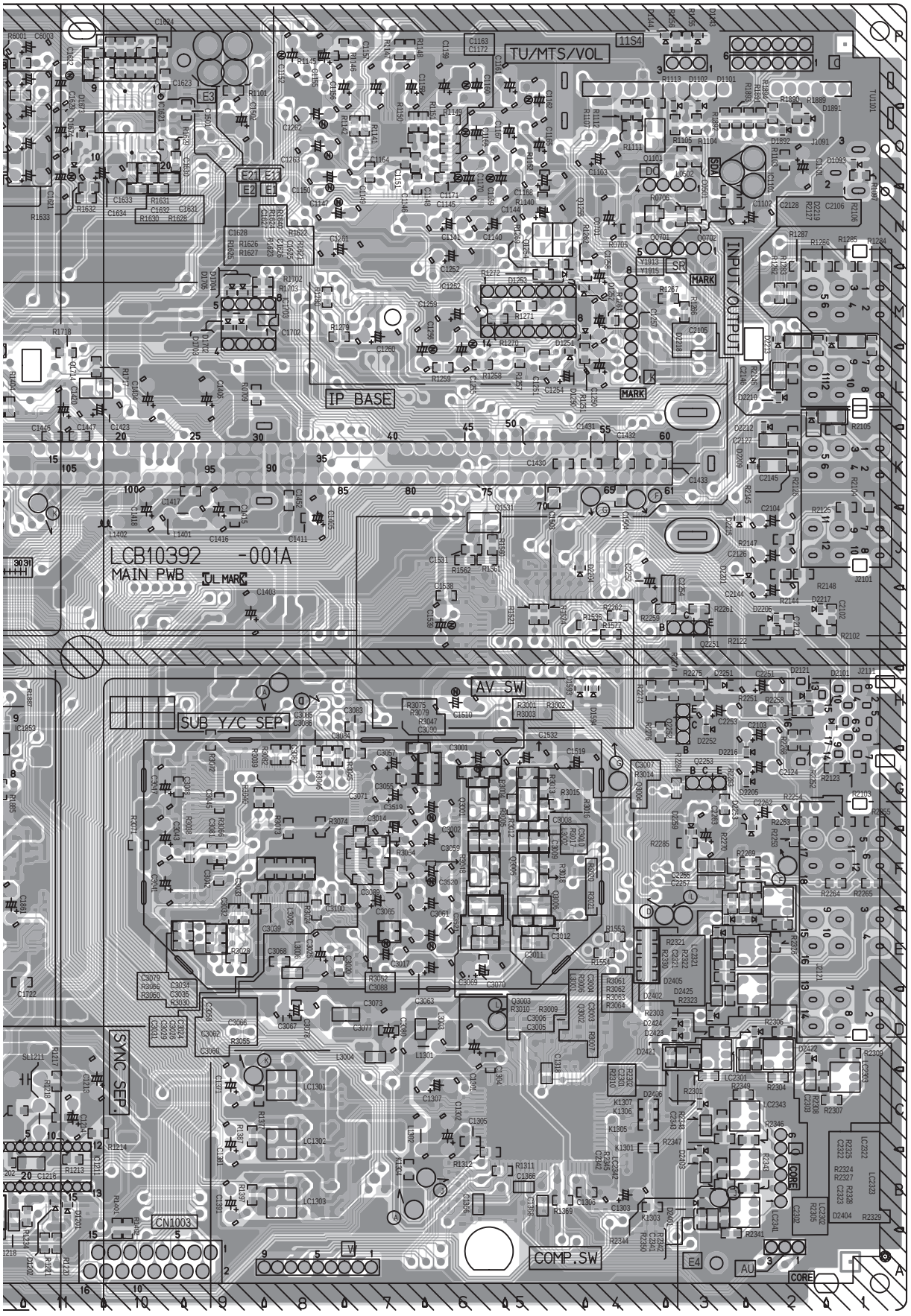



MODE
PIN NO.
DC (V)
IC8001
1 3.2
2 4.9
3 0
IC8001
GP1UM281QK
Vcc
OUT%
GND
1
2
3
CN800R
QGA2501C5-04Z
R8001
1k
C8001
0.1/16
REMO
5V
GND
NC
1
2
3
4
FRONT CONTROL
PWB
SHEET 17
R8003
100
R8004
100
MA8068-X
D8001
C8002
47 /25
REMOCON SENSOR PWB ASS'Y
SRP-8001A-M2

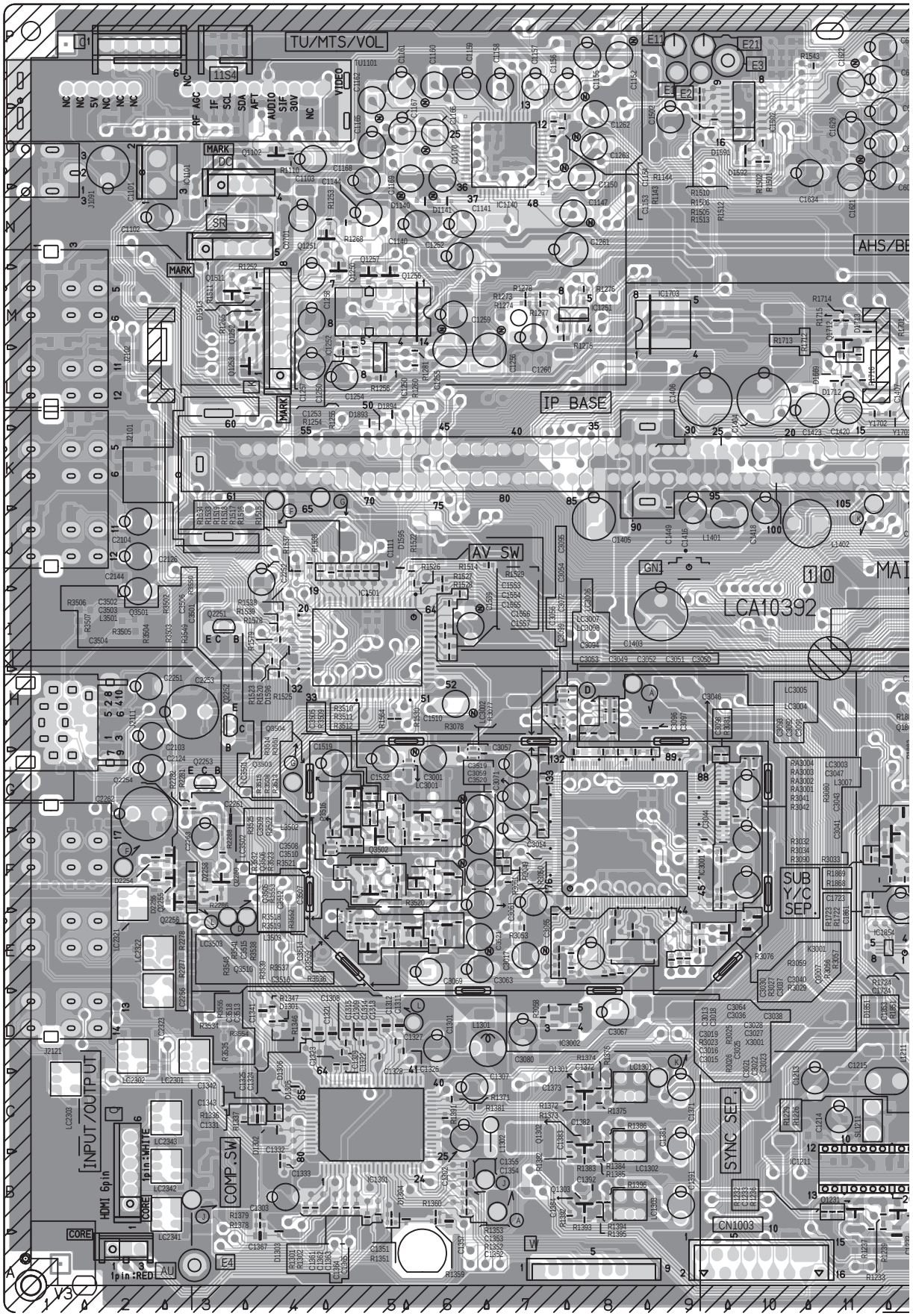
PATTERN DIAGRAMS *MAIN PWB PATTERN [SOLDER SIDE]*

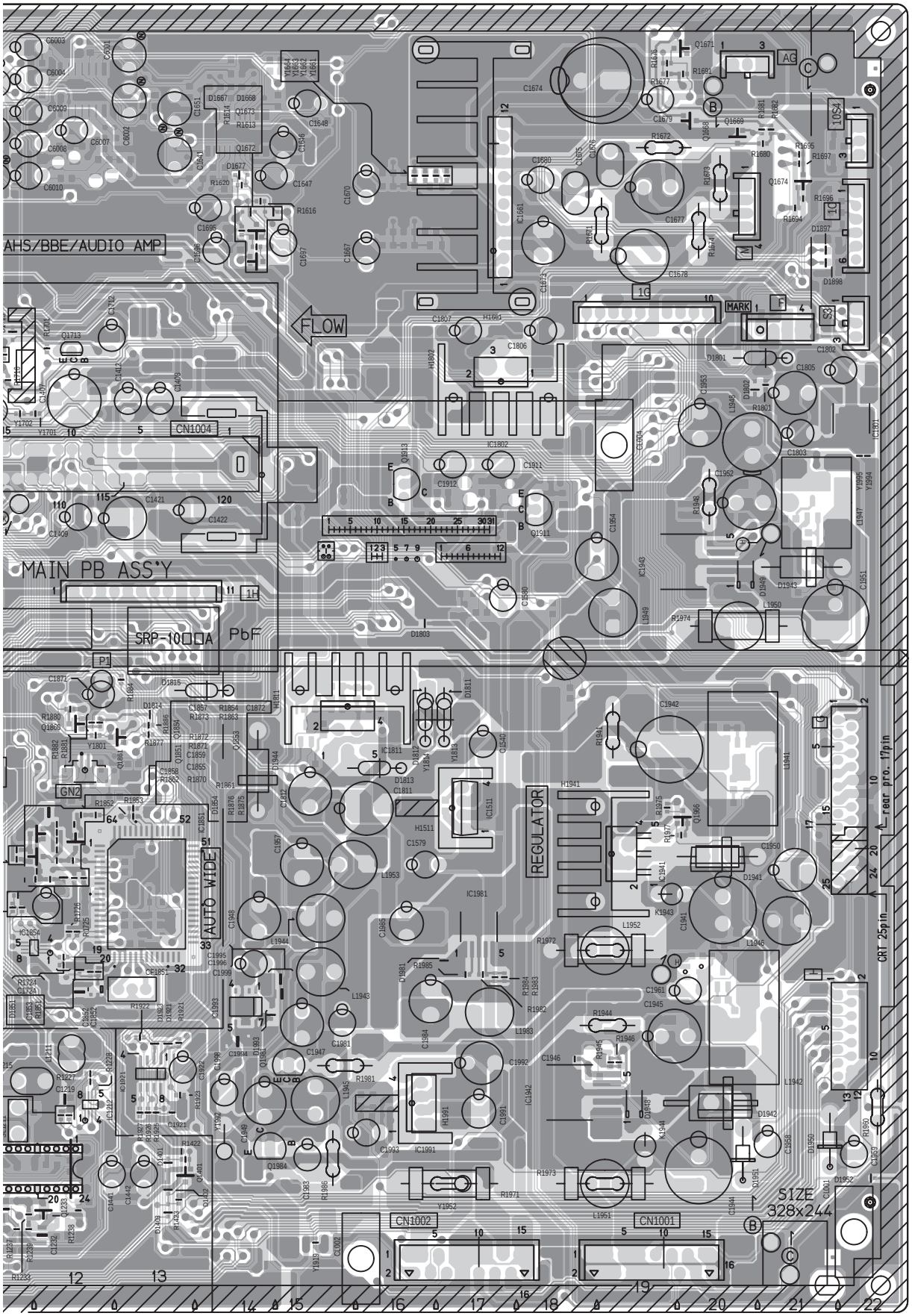
FRONT



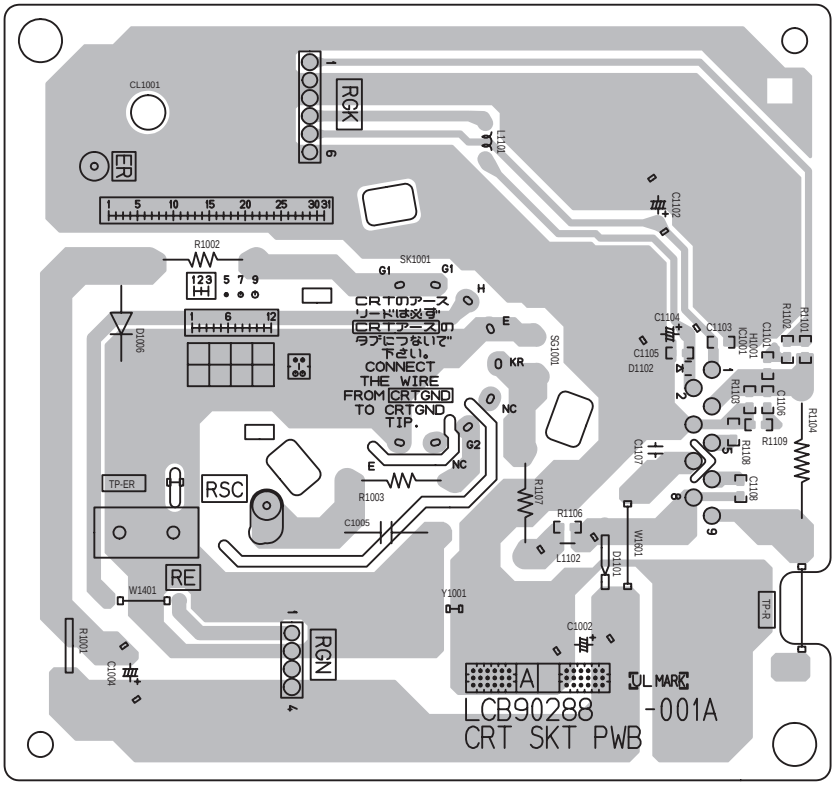

LCB10392 -001A
MAIN PWB
TU/MTS/VOL
INPUT/OUTPUT
IP BASE
AV SW
SUB Y/C SEP.
SYNC SEP.
COMP.SW
CN1003
CORE

MAIN PWB PATTERN [PARTS SIDE]



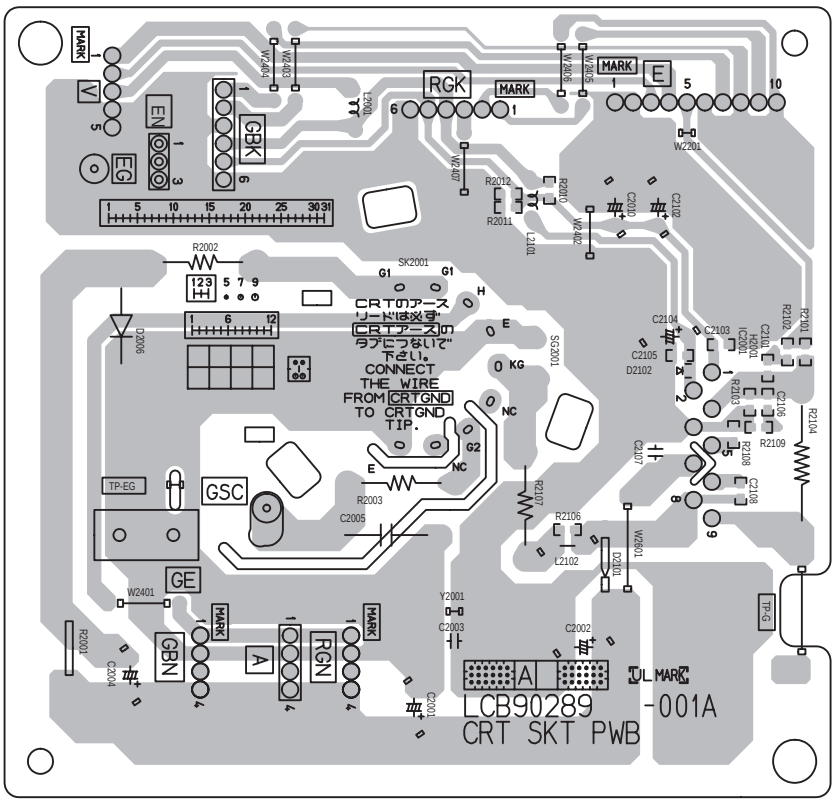

AHS/BBE/AUDIO AMP
MAIN PB ASS'Y
SRP-10□□A PbF
FLOW
REGULATOR
AUTO WIDE
CN1004
CN1002
CN1001
MARK
S1ZE
328x244
CRT 25pin
rear pro. 17pin
FRONT

R CRT SOCKET PWB PATTERN



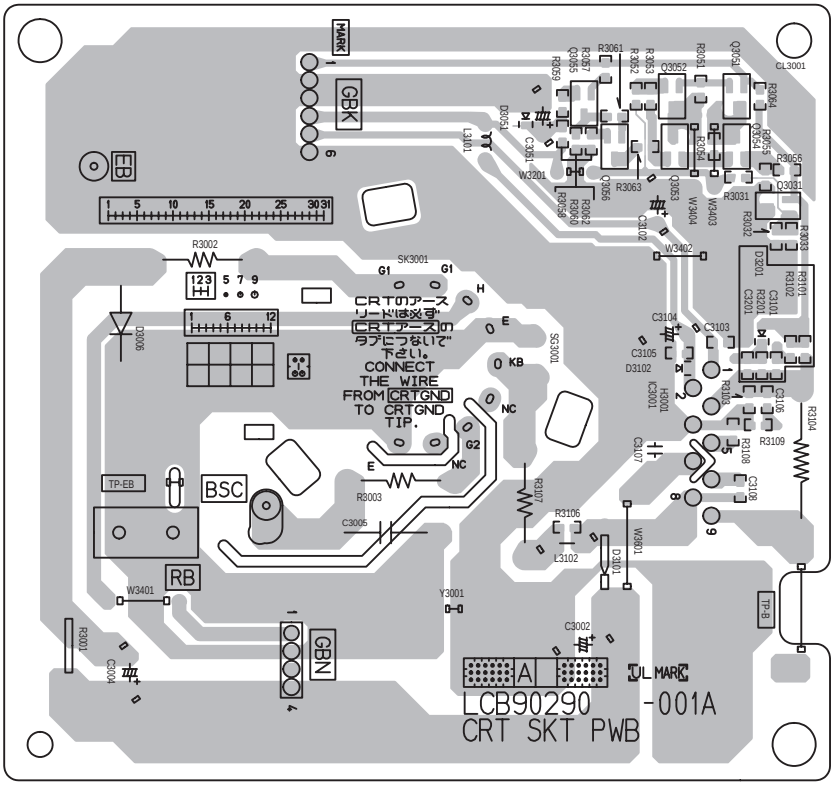
TOP

G CRT SOCKET PWB PATTERN



TOP

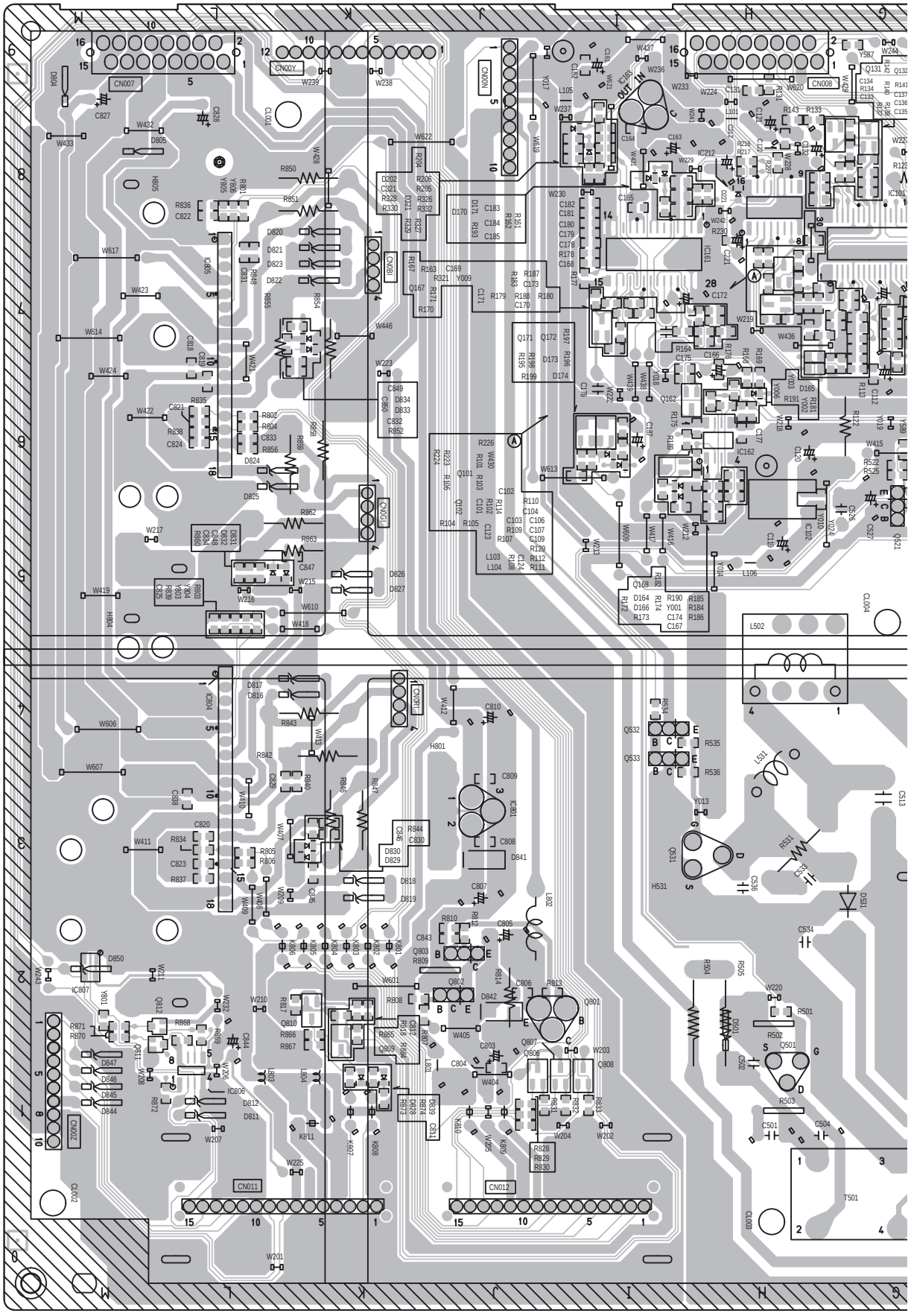
B CRT SOCKET PWB PATTERN

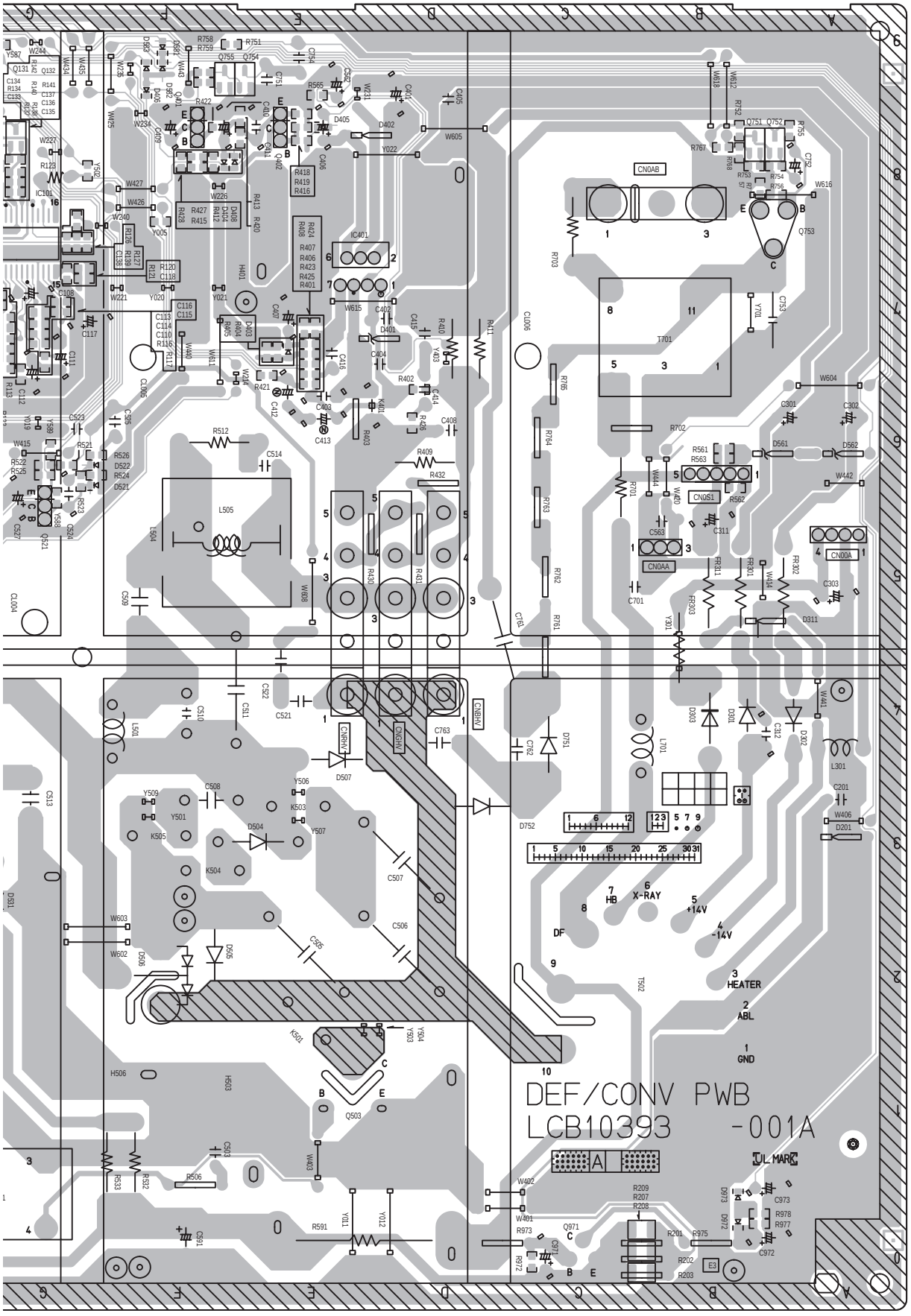


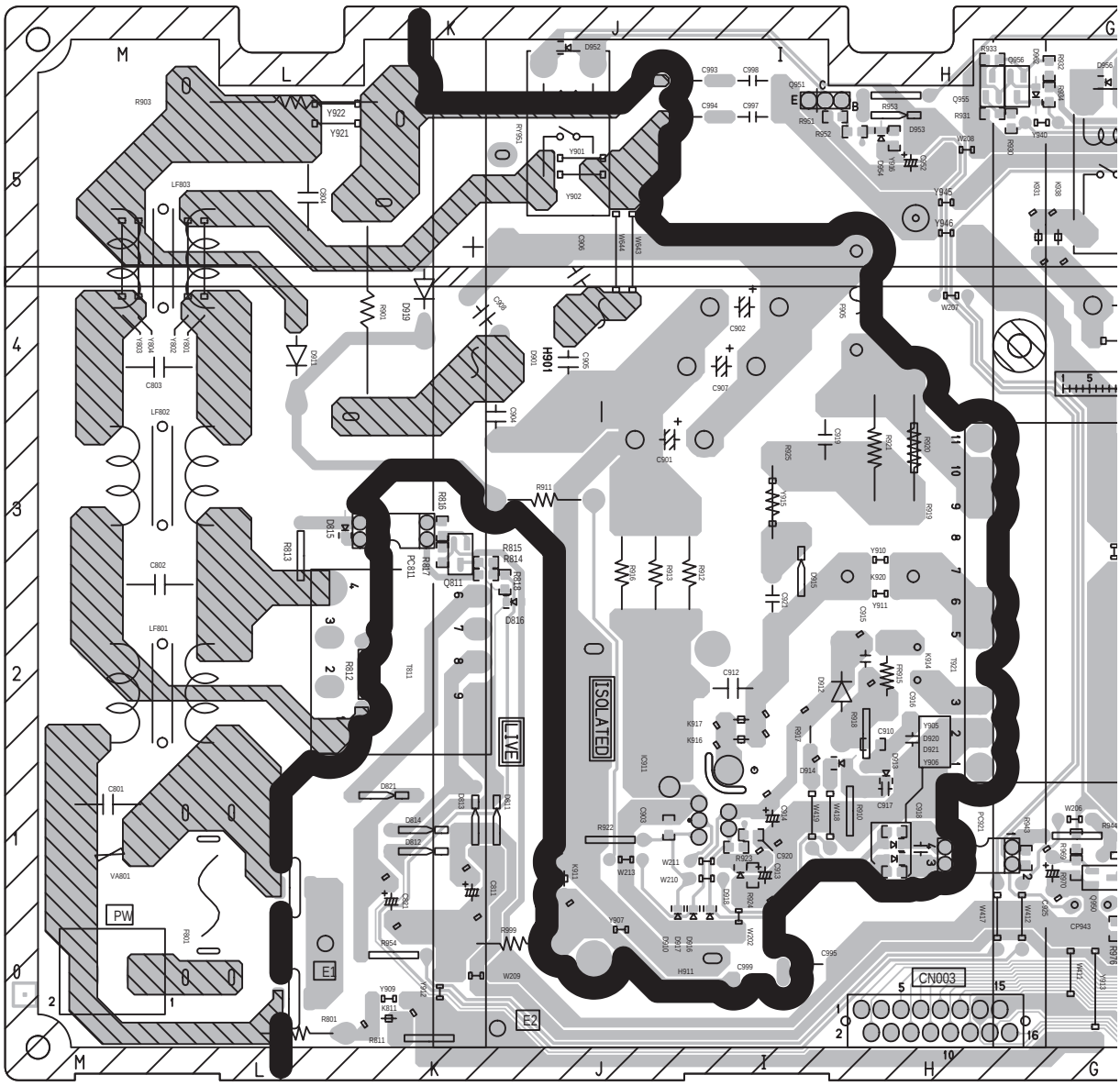
TOP

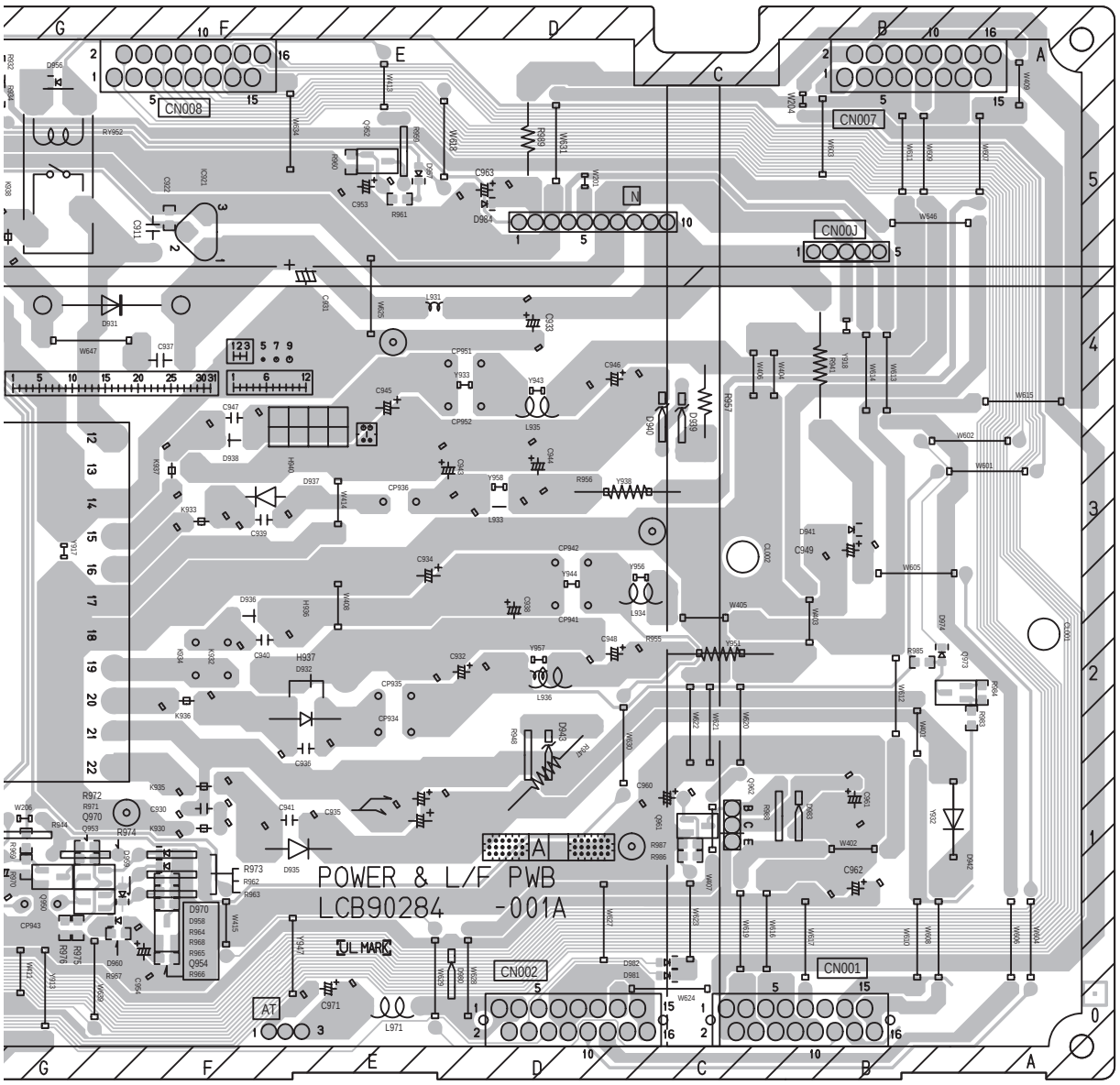
DEF CONVERGENCE OUT PWB PATTERN

FRONT

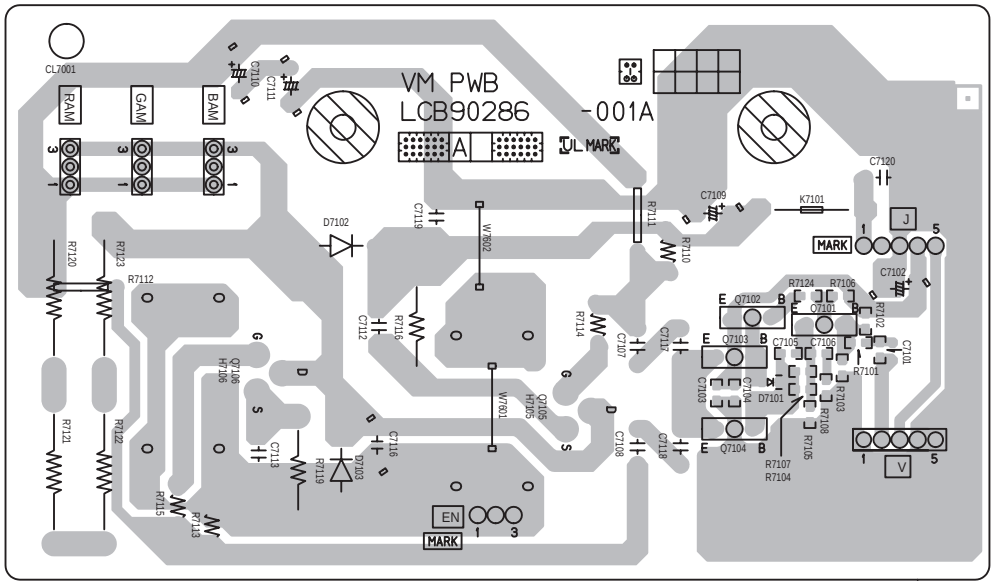



DEF/CONV PWB
LCB10393 -001A
UL MARK
X-RAY
HB
+14V
-14V
HEATER
ABL
GND
DF


ISOLATED
LIVE
PW
E1
E2
CN003

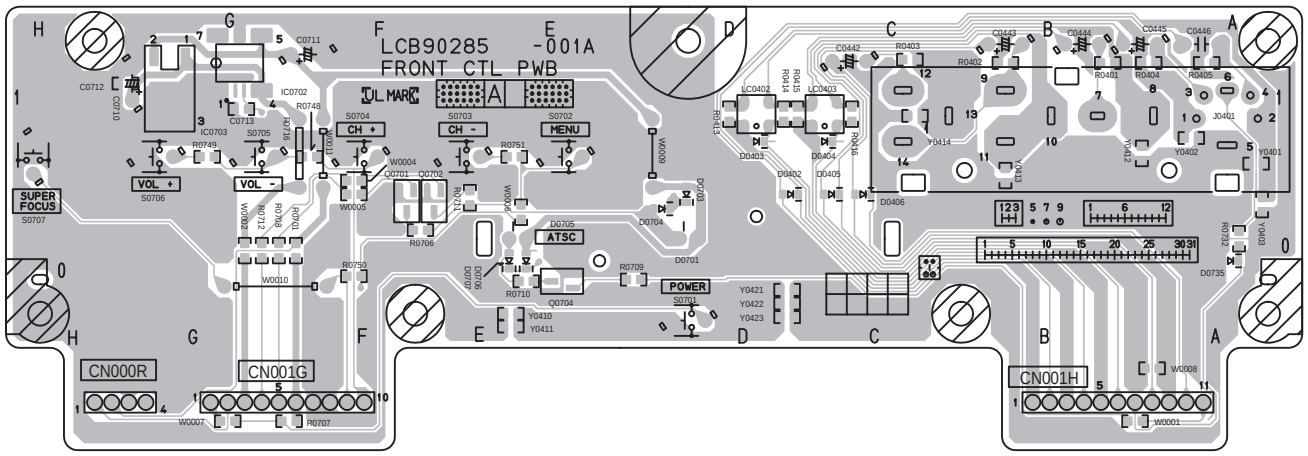

POWER & L/F PWB
LCB90284 -001A
CN008
CN007
CN00J
CN002
CN001
FRONT

TOP


VM PWB
LCB90286
-001A
A
UL MARK
CL7001
RAM
GAM
BAM
C7110
C7111
D7102
C7119
VR7602
R7111
C7109
R7110
K7101
C7120
J
MARK
C7102
R7124
R7106
Q7102
Q7101
R7102
Q7103
C7105
C7106
C7101
R7101
C7103
Q7104
D7101
R7103
R7108
R7105
R7107
R7104
Q7104
V
R7120
R7123
R7112
C7112
R7116
R7114
C7107
C7117
Q7106
H7106
G
D
S
Q7105
H7105
VR7601
C7108
C7118
R7121
R7122
C7113
R7119
D7103
C7116
R7115
R7113
EN
MARK

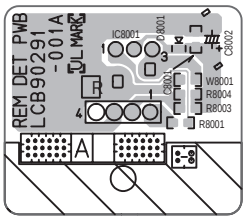
FRONT CONTROL PWB PATTERN

TOP



REMOCON SENSOR PWB PATTERN

TOP



CHANNEL CHART (US)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		II
×	○	MID	A B	14 15	I
			C D E F G H I	16 17 18 19 20 21 22	II
		SUPER	J K L M N O P Q R S T U V W	23 24 25 26 27 28 29 30 31 32 33 34 35 36	
		HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11	37 38 39 40 41 42 43 44 45 46 47	
			W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	IV
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+48 W+49 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+59 W+60 W+61 W+62 W+63 W+64 W+65 W+66 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV
		SUB MID	A-8 A-4 A-3 A-2 A-1	01 96 97 98 99	I
○	×	UHF	14 〜 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

CHANNEL CHART (CA)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		II
×	○	MID	A B C D E F G H I	14 15 16 17 18 19 20 21 22	
		SUPER	J K L M N O	23 24 25 26 27 28	
		SUPER	P Q R S T U V W	29 30 31 32 33 34 35 36	III
		HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11 W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	
		ULTRA	W+29	65	
		ULTRA	W+30 W+31 W+32 W+33 W+34	66 67 68 69 70	IV

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+48 W+49 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+59 W+60 W+61 W+62 W+63 W+64 W+65 W+66 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV
		SUB MID	A-8 A-4	01 96	I
		SUB MID	A-3 A-2 A-1	97 98 99	II
○	×	UHF	14 ≀ 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

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Head office : 21 Finchdene Square Scarborough, Ontario M1X 1A7 (416)293-1311

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