

HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL

RA-4B CHASSIS

| <u>MODEL NAME</u> | <u>REMOTE COMMANDER</u> | <u>DESTINATION</u> | <u>CHASSIS NO.</u> |
|-------------------|-------------------------|--------------------|--------------------|
| KP-53HS10 | RM-Y902 | US | SCC-P40A-A |
| KP-53HS10 | RM-Y902 | Canadian | SCC-P40A-A |
| KP-61HS10 | RM-Y902 | US | SCC-P40B-A |
| KP-61HS10 | RM-Y902 | Canadian | SCC-P40B-A |

ORIGINAL MANUAL ISSUE DATE: 3/2000

ALL REVISIONS AND UPDATES TO THE ORIGINAL MANUAL ARE APPENDED TO THE END OF THE PDF FILE.

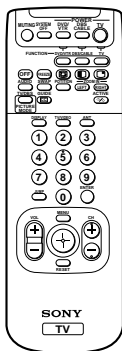
| <u>REVISION DATE</u> | <u>REVISION TYPE</u> | <u>SUBJECT</u> |
|----------------------|---|---|
| 3/2000 | No revisions or updates are applicable at this time | |
| 6/2002 | Correction - 1 | D Board Corrections - Q5031 Voltage; Waveforms. |

COLOR REAR VIDEO PROJECTOR

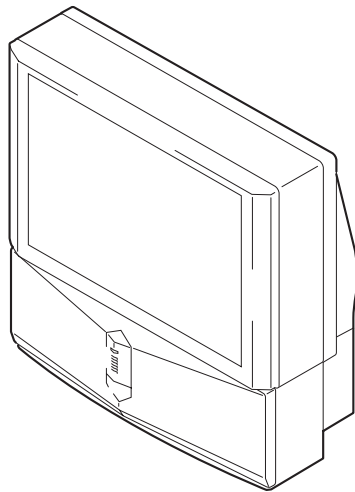
SONY®

SERVICE MANUAL RA-4B CHASSIS

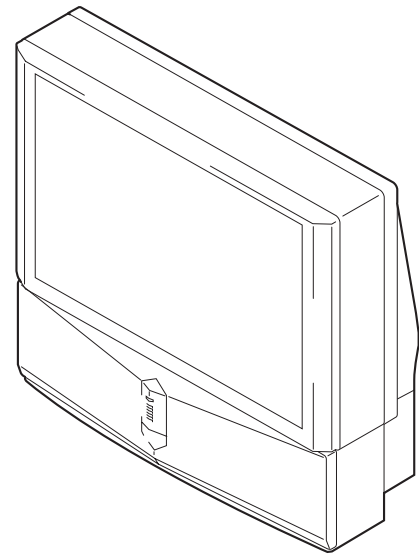
| <u>MODEL</u> | <u>COMMANDER</u> | <u>DEST.</u> | <u>CHASSIS NO.</u> | <u>MODEL</u> | <u>COMMANDER</u> | <u>DEST.</u> | <u>CHASSIS NO.</u> |
|--------------|------------------|--------------|--------------------|--------------|------------------|--------------|--------------------|
| KP-53HS10 | RM-Y902 | US | SCC-P40A-A | | | | |
| KP-53HS10 | RM-Y902 | Canadian | SCC-P40A-A | | | | |
| KP-61HS10 | RM-Y902 | US | SCC-P40B-A | | | | |
| KP-61HS10 | RM-Y902 | Canadian | SCC-P40B-A | | | | |



RM-Y902



KP-53HS10



KP-61HS10

COLOR REAR VIDEO PROJECTOR

SONY®

* Please file according to model size.

53 61

SPECIFICATIONS

Projection system

3 picture tubes, 3 lenses, horizontal in-line system

Picture tube

7-inch high-brightness monochrome tubes (6.3 raster size), with optical coupling and liquid cooling system

Projection lenses

High performance, large diameter hybrid lens F1.1

Television system

American TV standard

Channel coverage

VHF: 2–13/UHF: 14–69/CATV: 1–125

Antenna

75 ohm external terminal for VHF/UHF

Screen size (measured diagonally)

53 inches (KP-53HS10)

61 inches (KP-61HS10)

Inputs/outputs

VIDEO 1/3 IN

VIDEO 2 INPUT

S VIDEO IN (4-pin mini DIN):

Y: 1 Vp-p, 75-ohms unbalanced, sync negative

C: 0.286 Vp-p (Burst signal), 75 ohms

VIDEO (phono jack): 1 Vp-p, 75-ohms unbalanced, sync negative

AUDIO (phono jacks): 500 mVrms (100% modulation), Impedance: 47 kilohms

VIDEO 4 IN

S VIDEO IN (4-pin mini DIN):

Y: 1 Vp-p, 75-ohms unbalanced, sync negative

C: 0.286 Vp-p (Burst signal), 75 ohms

VIDEO (phono jack): 1 Vp-p, 75-ohms unbalanced, sync negative

Y: 1 Vp-p, 75 ohms, sync negative

Pb: 0.7 Vp-p, 75 ohms

Pr: 0.7 Vp-p, 75 ohms

AUDIO (phono jacks): 500 mVrms (100% modulation), Impedance: 47 kilohms

VIDEO 5 (DTV) IN

Maximum scanning rate: 1080i

Y: 1 Vp-p, 75 ohms, negative or tri-level sync

Pb: 0.7 Vp-p, 75 ohms

Pr: 0.7 Vp-p, 75 ohms

or

G: 0.7 Vp-p, 75 ohms

B: 0.7 Vp-p, 75 ohms

R: 0.7 Vp-p, 75 ohms

HD: 0.5–5 Vp-p, 2.2 kilohms

VD: 0.6–5 Vp-p, 2.2 kilohms

Note:

The VIDEO 5 (DTV) IN jacks are not compatible with a computer's 5BNC (R/G/B/HD/VD) video output connectors.

AUDIO (phono jacks): 500 mVrms (100% modulation), Impedance: 47 kilohms

SELECT OUT

VIDEO (phono jack): 1 Vp-p, 75-ohms unbalanced, sync negative

AUDIO (phono jacks): 470 mVrms (100% modulation), Impedance: 47 kilohms

AUDIO (VAR) OUT (phono jacks): 700 mVrms (100% modulation)

AUDIO (FIX) OUT (phono jacks): 500 mVrms (100% modulation)

CONTROL S IN/OUT: minijacks

Speaker

Front (Tweeter): 66 mm (2 ⁵/₈") × 2

Front (Woofer):

130 mm (5 ¹/₈") × 2 (KP-53HS10)

160 mm (6 ³/₈") × 2 (KP-61HS10)

Speaker output

Front: 20 W × 2

Power requirement

120 V AC, 60 Hz

Power consumption

In use (Max.): 240 W

In standby: 1 W

Dimensions (W/H/D)

1,218 × 1,459 × 635 mm (48 × 57 ¹/₂ × 25 inches)
(KP-53HS10)

1,372 × 1,558 × 670 mm (54 ¹/₈ × 61 ³/₈ × 26 ¹/₂ inches)
(KP-61HS10)

Mass

84 kg (185 lbs 3 oz) (KP-53HS10)

102 kg (224 lbs 14 oz) (KP-61HS10)

Supplied accessories

Remote control RM-Y902 (1)

Batteries size AA (R6) (2)

Optional accessories

Connecting cables

RK-G34, RK-74A, RKG-69HG, VMC-10HG,

VMC-720M, VMC-810S/820S, YC-15V/30V

U/V mixer EAC-66

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT (US model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are “pinched” or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna’s replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

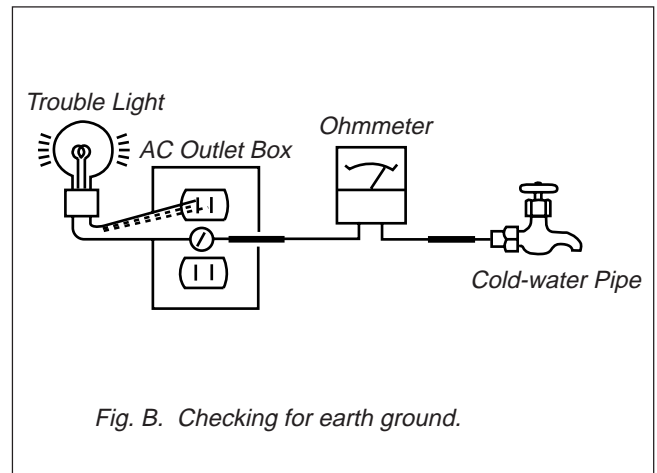
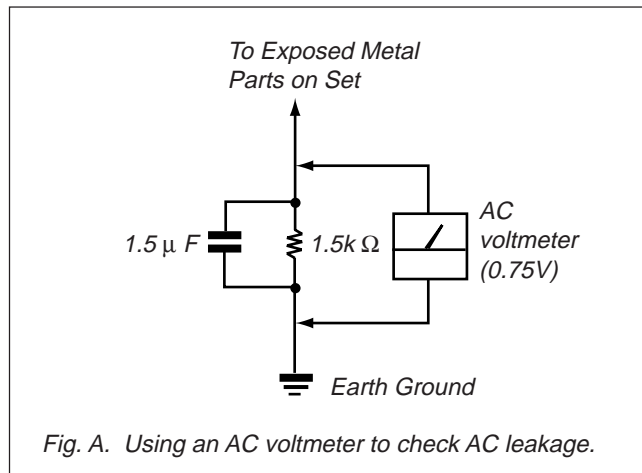
LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watt trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)



SELF DIAGNOSIS FUNCTION

1. Summary of Self-Diagnosis Function

- This device includes a self-diagnosis function.
- In case of abnormalities, the TIMER/STAND BY indicator automatically blinks. It is possible to predict the abnormality location by the number of blinks. The Instruction Manual describes blinking of the TIMER/STAND BY indicator.
- If the symptom is not reproduced sometimes in case of a malfunction, there is recording of whether a malfunction was generated or not. Operate the remote command to confirm the matter on the screen and to predict the location of the abnormality.

2. Diagnosis Items and Prediction of Malfunction Location

- When a malfunction occurs the TIMER/STAND BY indicator only blinks for one of the following diagnosis items. In case of two or more malfunctions, the item which first occurred blinks. If the malfunctions occurred simultaneously, the item with the lower blink count blinks first.
- The screen display displays the results regarding all the diagnosis items listed below. The display “0” means that no malfunctions occurred.

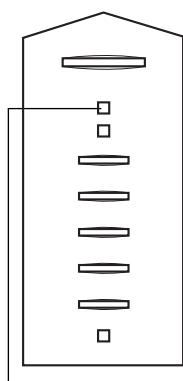
| Diagnosis item | TIMER/STANDBY Indicator Number of blinks | Supposed malfunction | Condition | Self-diagnosis screen display, Diagnosis item: Results |
|------------------------------------|--|---|--|--|
| • Power not ON | 0 | [Standby Power Supply System] F601 open. R607 open. Q601 short circuit [Main Power Supply System] IC601 and R612 are broken. VDR601 short-circuit | Cannot turn on the power. LED doesn't blink. | |
| +B OCP detection | 2 times | Short circuit of power supply system in each circuit. | Goes to the standby mode Short circuit of +B line | 2 : +B OCP 000 |
| +B OVP detection | 3 times | IC6005 is broken. IC6101 is broken. | Goes to the standby mode Malfunction of power supply circuit | 3 : +B OVP 000 |
| Vertical deflection stop | 4 times | IC5004(V out) is broken. IC512 (VDSP) is broken. | Raster goes to one line horizontally. | 4 : V Stop 000 |
| Video out abnormality detection | 5 times | Video out, IC7101, 7201, 7301 and others in C board circuit. Q510,516,524 (A board) | TIMER/STANDBY LED blinks approx. 30 seconds, and then blinks for the self diagnosis. | 5 : AKB 000 |
| Horizontal deflection stop | 6 times | Q5013 (H OUT) is broken. IC507 (H Jungle) is broken. | Raster doesn't appear. | 6 : H Stop 000 |
| High voltage abnormality detection | 7 times | Q8008 is broken | Raster doesn't appear. | 7 : HV 000 |
| Audio abnormality detection | 8 times | IC2601, 2602, 2603 are broken. PS6103, 6104 are broken. | The sound is not out. Goes to the standby mode | 8 : Audio 000 |

* : 000 the range of values for number of operations is 000-255. For 256 or higher there is no count up and the number remains at 255.

3. Blinking count display of TIMER/STAND BY indicator

* One blink is not used for self-diagnosis.

< FRONT PANEL >



TIMER/STAND BY indicator

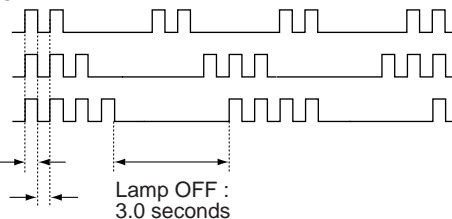
•EXAMPLE

<Diagnosis Items> <Number of Blinks>

- +B overcurrent 2 times
- +B overvoltage 3 times
- Vertical deflection stop 4 times

Lamp ON : 0.3 seconds

Lamp OFF : 0.3 seconds



Release of TIMER/STAND BY indicator blinking.

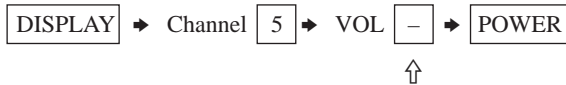
- The TIMER/STAND BY indicator blinking display is released by turning OFF the power switch on the TV main unit or removing the plug from the power.

4. Self-diagnosis screen displays

- In cases of malfunctions where it is not possible to determine the symptom such as when the power goes off occasionally or when the screen disappears occasionally, there is a screen display on whether the malfunction occurred or not in the past (and whether the detection circuit operated or not) in order to allow confirmation.

<Screen Display Method>

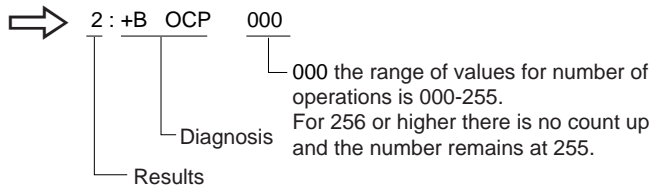
- Quickly press the remote command button in the following order from the standby state.



Be aware that this differs from the method of entering the service mode (volume +).

Self-diagnosis screen display

| Self Check | | |
|------------|------|-----|
| 2 : +B | OCP | 000 |
| 3 : +B | OVP | 000 |
| 4 : V | Stop | 000 |
| 5 : AKB | | 000 |
| 6 : H | Stop | 000 |
| 7 : HV | | 000 |
| 8 : Audio | | 000 |
| 9 : WDT | | 000 |



5. Self-Diagnosis Screen Display

- The results display is not automatically cleared. In case of repairs and after repairs, check the self-diagnosis screen and be sure to return the results display to “0”.
- If the results display is not returned to “0” it will not be possible to judge a new malfunction after completing repairs.

<Method of Clearing Results Display>

1. Power off (Set to the standby mode)
2. DISPLAY → Channel 5 → VOL + → POWER (Service Mode)
3. Channel 8 → ENTER (Test reset = Factory preset condition)

<Method of Ending Self Diagnosis Screen>

- When ending the self-diagnosis screen completely, turn the power switch OFF on the remote commander or the main unit.

6. Self-diagnosis function operation

- OCP** Low B and +B line detect DET SHORT, and shut-down POWER ON RELAY.
 Reset by turning power on/off.
 In case of +B is loaded approx. 1.5A or more, microcomputer detects it via IC6102.
- OVP** In case of +B becomes approx. 150V or more, POWER ON RELAY shuts down and microcomputer detects it via IC6102.
 Reset by turning power on/off just the same as OCP.
- V Stop** In case of V Drive disappeared, Q5005 detects it and shut-down POWER ON RELAY. Microcomputer detects it and makes LED blinking.
- AKB** IK detection. Makes LED blinking in case of microcomputer doesn't detect IK returns of IC511 (CXA2101AQ) 30 seconds or more.
- H Stop** In case of H DRIVE is disappeared, Q5006 detects it and shut-down POWER ON RELAY shuts down.
 Microcomputer receives H Stop data from Q5006 and makes LED blinking.
- HV Stop** In case of HV becomes 33KV or more. IC8006 and IC8010 detect it and shut-down POWER ON RELAY. Microcomputer makes LED blinking.
- Audio** In case of DC component overlaps the output of Audio Amp., POWER ON RELAY shuts down.
 Microcomputer detects it and makes LED blinking.

Self-diagnosis block diagram

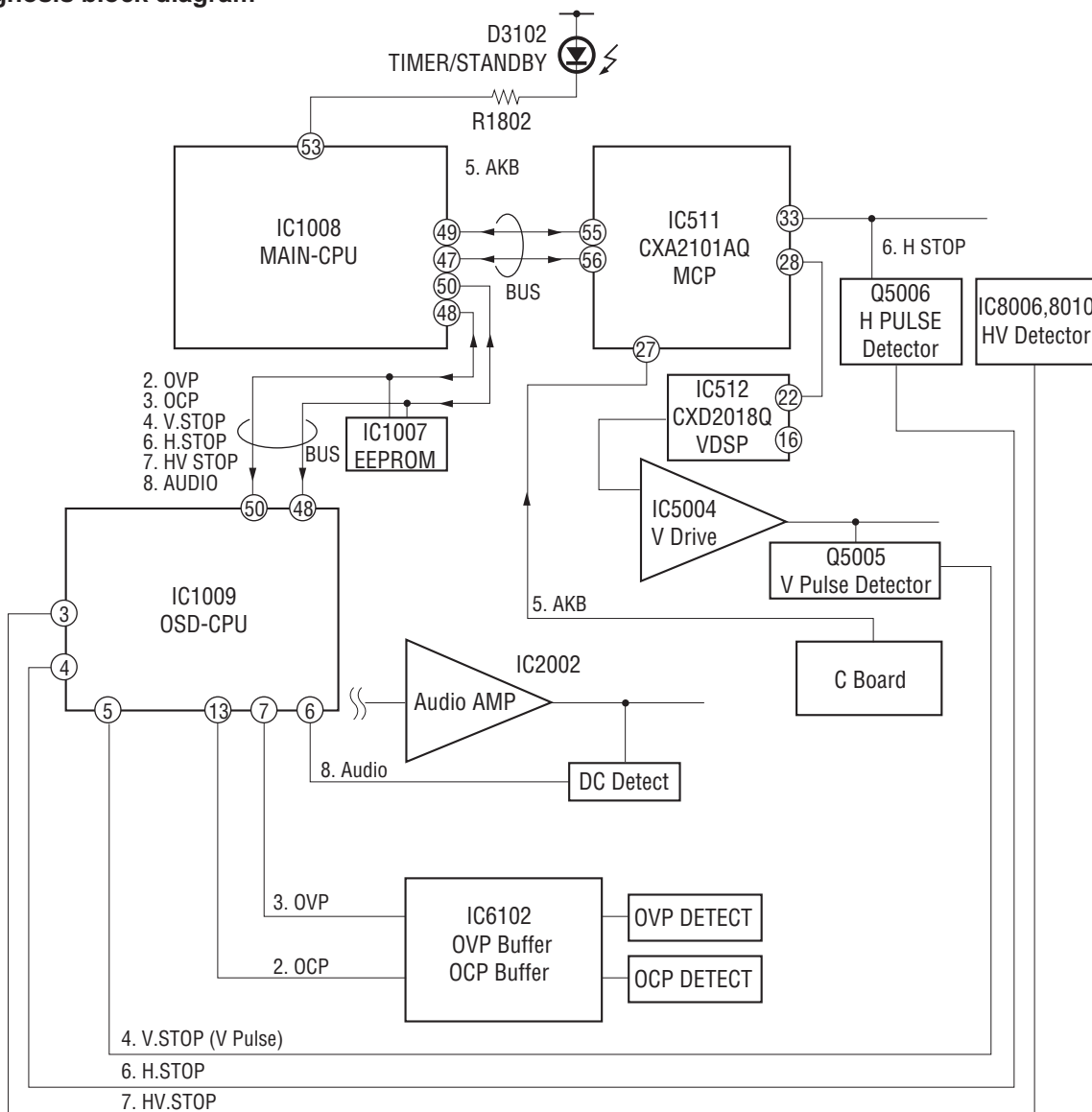


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(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK \triangle ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE DE ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DEPANNAGE.

LE CHÂSSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE \triangle SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÉCES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

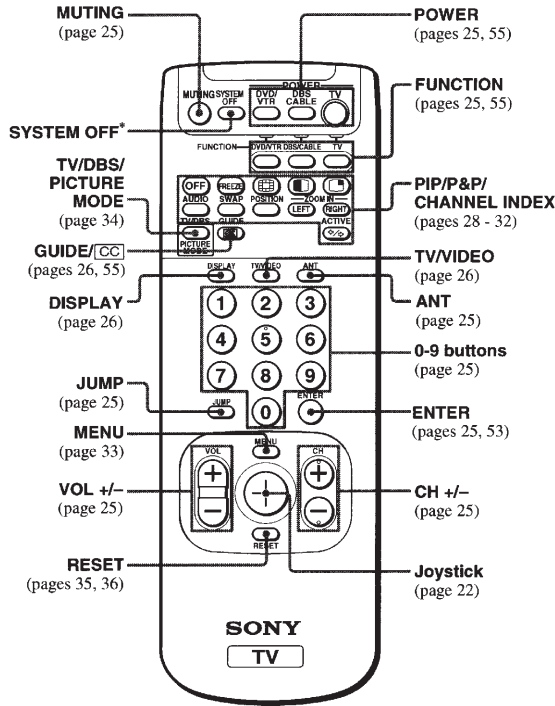
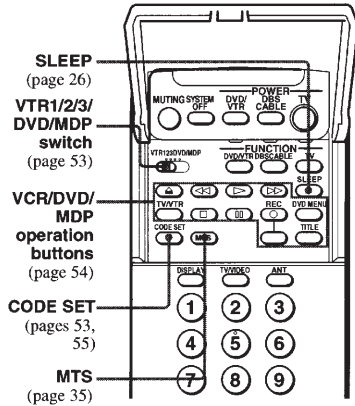
SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instructions Manual. The page numbers of the Operating Instruction Manual remain as in the manual. (Part no : 4-074-163-11)

Remote Control

In the instructions that follow, we will refer to the buttons on your remote control. Keep this flap unfolded and use this page for reference.

For a detailed explanation of most buttons, see "Watching the TV" on page 25.



Getting to know the buttons on the remote control

Names of the buttons on the remote control are presented in different colors to represent the available functions.

Button color

Transparent: Press to select the component you want to control; e.g. VTR (VCR)/MDP/DVD Player, DBS (Direct Broadcast Satellite)/CABLE, or projection TV.

Green: Buttons relevant to power operations, like turning the projection TV, DBS/CABLE, or VTR (VCR)/MDP/DVD Player on or off

Label color

White: TV/VTR (VCR)/MDP/DVD Player/DBS (Direct Broadcast Satellite)/CABLE operation buttons

Yellow: PIP, P&P, and CHANNEL INDEX operation buttons

Blue: DBS operation buttons

Pink: DVD Player operation buttons

* The SYSTEM OFF button does not function with this projection TV.

Installing and Connecting the Projection TV

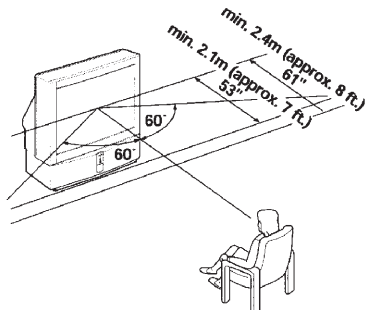
Carrying Your Projection TV

Carrying the projection TV requires three or more people.

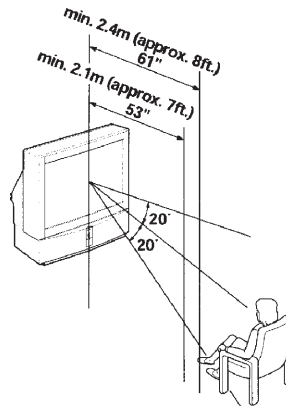
The projection TV has been equipped with casters for easy movement on a hard surface. Please move your projection TV using the casters.

Installing the Projection TV

Recommended viewing area (Horizontal)



Recommended viewing area (Vertical)



Connector Types

You may find it necessary to use some of the following connector types during set up.

Coaxial cable

Standard TV cable and antenna cable

Plug Type

→ Push into connection.

Screw-on Type

→ Screw into connection.

S Video cable

High quality video cable for enhanced picture quality

→ Align guides and push into connection.

Audio/Video cable

→ Push into connection.

Video - Yellow
Audio (Left) - White
Audio (Right) - Red

Some DVD Players are equipped with the following three video connectors.

Y - Green
Pb (Cb, Cb or B-Y) - Blue
Pr (Cr, Cr or R-Y) - Red

Composite video cable for a DTV receiver



- G/Y - Green
- B/Pb - Blue
- R/Pr - Red
- HD - Gray
- VD - Black

CONTROL S cable

Sony cable for CONTROL S connections. These features are exclusive to Sony products and allow greater control of all Sony equipment.

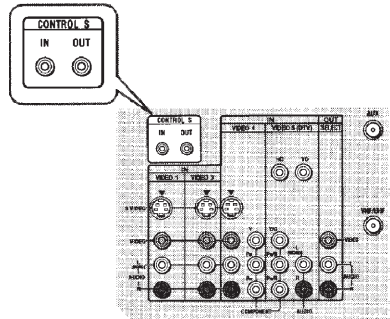


RK-G34
(not supplied)

About the CONTROL S IN/OUT jacks

To control other Sony equipment with the projection TV's remote control, connect the CONTROL S IN jack of the equipment to the CONTROL S OUT jack on the projection TV with the CONTROL S cable.

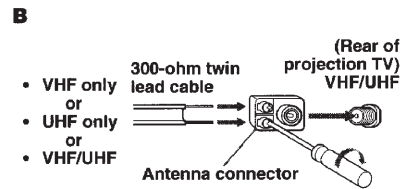
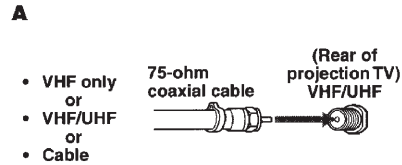
To control the projection TV with a remote control for another Sony product, connect the CONTROL S OUT jack of the equipment to the CONTROL S IN jack on the projection TV with the CONTROL S cable.



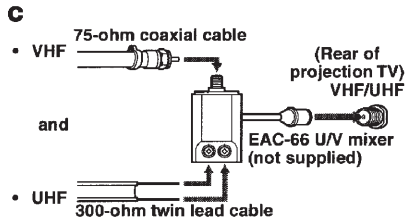
Making Connections

Connecting Directly to a Cable or an Antenna

The connection you choose will depend on the cable found in your home. Newer homes will be equipped with standard coaxial cable (see **A**); older homes will probably have 300-ohm twin lead cable (see **B**); still other homes may contain both (see **C**).

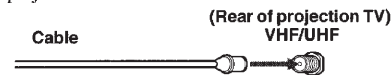


(continued)



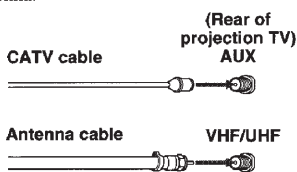
Cable or antenna

This is the simplest connection. Connection is made directly from the cable or antenna to the projection TV.



Cable and antenna

You may find it convenient to use the following set up if your cable provider does not feature local channels that you are able to receive using an antenna.

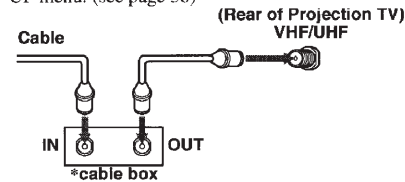


Select Cable or ANT mode by pressing ANT on the remote control.

Connecting a Cable Box

Some pay cable TV systems use scrambled or encoded signals that require a cable box* to view all channels.

Also, set CABLE to ON in the CHANNEL SET UP menu. (see page 38)

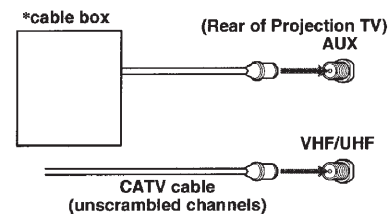


Note:

- If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature. (see "CHANNEL FIX" on page 38)

Cable box and cable

Some pay cable TV systems use scrambled or encoded signals requiring a cable box* only for certain channels. (e.g. HBO, SHOWTIME, etc.)



For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANT on your remote control.

Notes:

- You may be able to program your Sony remote control to operate your cable box. (see "Operating a Cable Box or DBS Receiver" on page 55)
- During PIP, P&P, CHANNEL INDEX or FAVORITE CHANNEL viewing, the AUX input can only be viewed in the main picture.
- If you are connecting a cable box through the AUX input and would like to switch between the AUX and normal (CATV) input, you should consider using CHANNEL FIX. (see "CHANNEL FIX" on page 38)

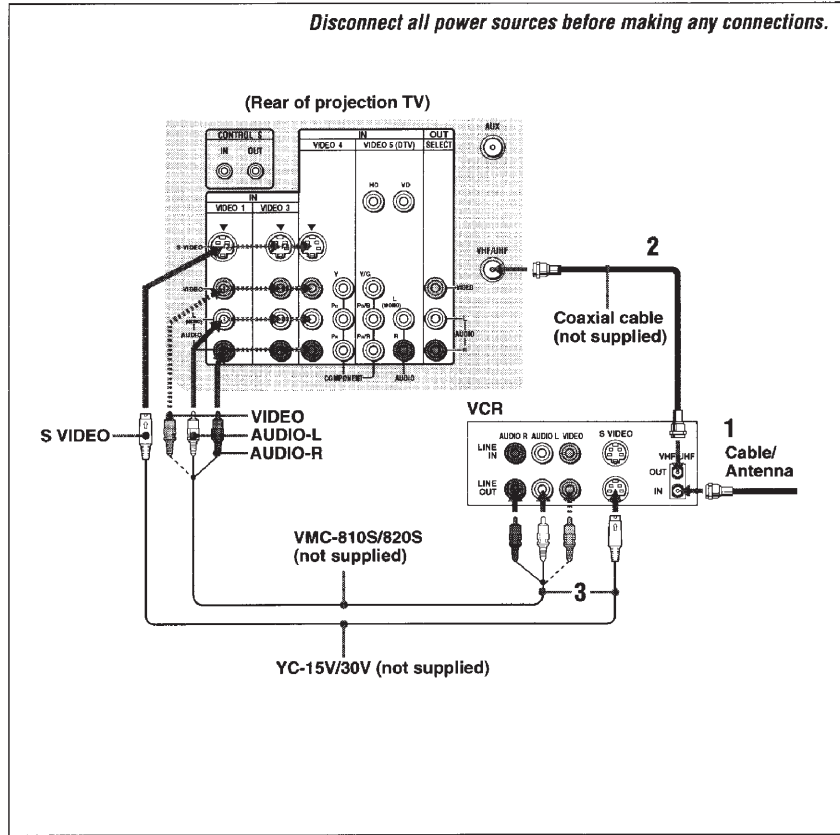
Connecting an Antenna/Cable TV System to a VCR

- 1 Attach the coaxial cable from the incoming cable connection or antenna to IN on the VCR.
- 2 Using a coaxial cable, connect OUT on the VCR to VHF/UHF on the projection TV.
- 3 Using AUDIO and S VIDEO* cables, connect AUDIO and S VIDEO OUT on the VCR to AUDIO and S VIDEO IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).

* If your VCR is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.

Note:

- If you are connecting a monaural VCR, connect only the single audio output to the left (MONO) input on the projection TV.



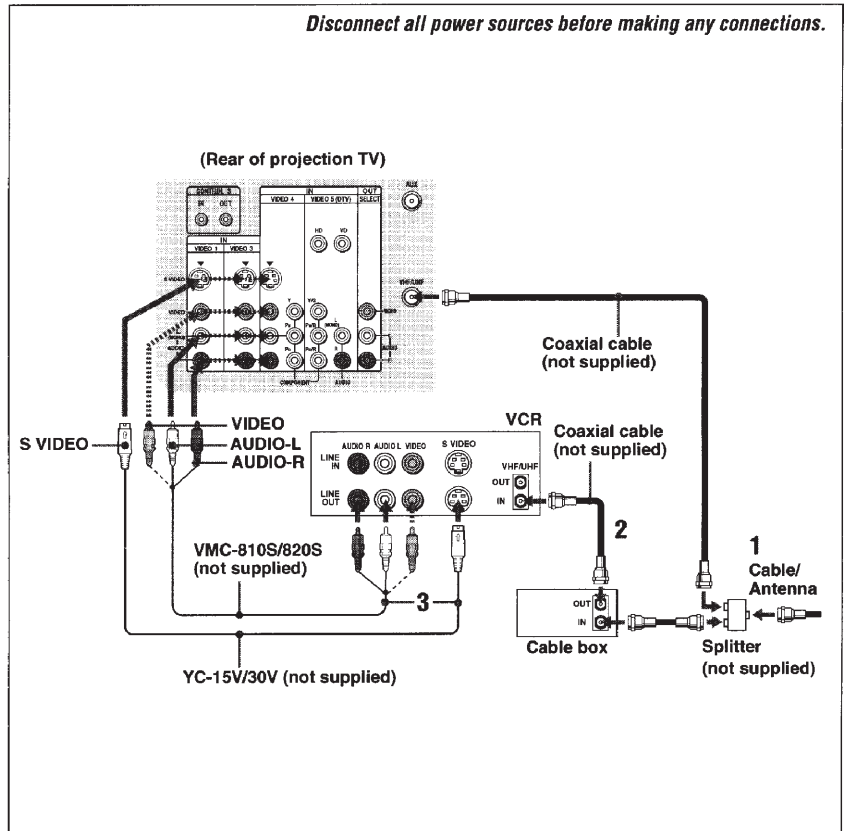
Connecting a VCR and Projection TV to a Cable Box

- 1 Connect the single (input) jack of the splitter to the incoming cable connection, and connect the other two (output) jacks (using the coaxial cable) to IN on the cable box and VHF/UHF on the projection TV.
- 2 Using a coaxial cable, connect OUT on the cable box to IN on the VCR.
- 3 Using AUDIO and S VIDEO* cables, connect AUDIO and S VIDEO OUT on the VCR to AUDIO and S VIDEO IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).

* If your VCR is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.

Note:

- To view scrambled channels through the cable box, select the video input which the cable box is connected to by pressing TV/VIDEO.

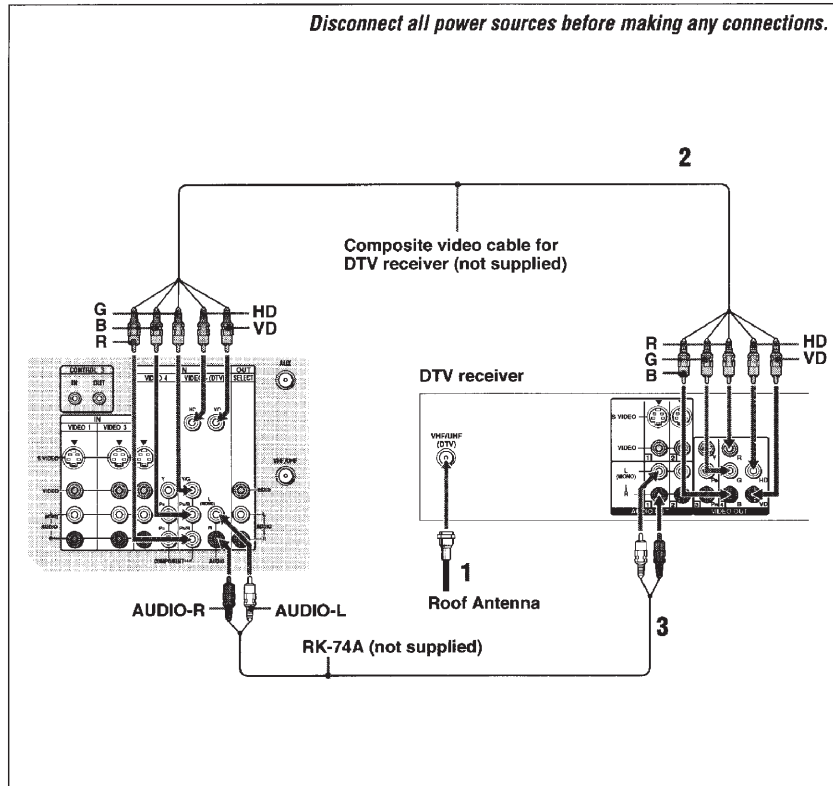


Connecting a DTV (Digital Television) Receiver

Before connecting, be sure to read the Operating Instructions of the DTV receiver.

Connecting a DTV (digital television) receiver with the G/B/R/HD/VD jacks

- 1 Attach the coaxial cable from the roof antenna to VHF/UHF on the DTV receiver.
- 2 Using a composite video cable for DTV receiver, connect G, B, R, HD and VD of VIDEO OUT on the DTV receiver to G, B, R, HD and VD respectively of VIDEO 5 (DTV) IN on the projection TV.
If the DTV receiver is equipped with the Y/Pb/Pr jacks, proceed to step 2 in "Connecting a DTV (digital television) receiver with the Y/Pb/Pr (component video input) jacks" on page 12.
- 3 Using an AUDIO cable, connect AUDIO OUT on the DTV receiver to AUDIO of VIDEO 5 (DTV) IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).
- 4 Select VIDEO 5 by the TV/VIDEO button.
- 5 Select the SET UP menu and set DTV INPUT to R.G.B. (see "DTV INPUT" on page 43)

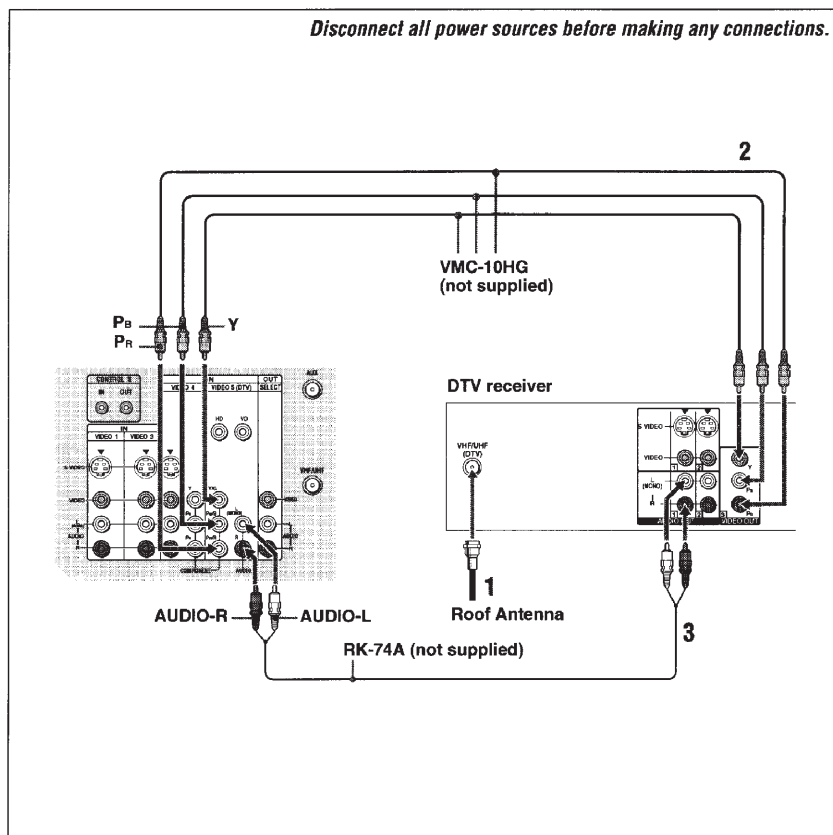


Connecting a DTV (digital television) receiver with the Y/Pb/Pr (component video input) jacks

- 1 Attach the coaxial cable from the roof antenna to VHF/UHF on the DTV receiver.
- 2 Using three VIDEO cables, connect Y, Pb and Pr of COMPONENT VIDEO OUT on the DTV receiver to Y, Pb and Pr of VIDEO 5 (DTV) IN on the projection TV.
- 3 Using an AUDIO cable, connect LINE OUT on the DTV receiver to AUDIO of VIDEO 5 (DTV) IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).
- 4 Select VIDEO 5 by the TV/VIDEO button.
- 5 Select the SET UP menu and set DTV INPUT to Y PB PR. (see "DTV INPUT" on page 43)

Note:

- Some DTV receiver terminals may be labeled differently. If so, connect as follows:
Connect Y (green) to Y.
Connect Pb (blue) to Cb, Cb or B-Y.
Connect Pr (red) to Cr, Cr or R-Y.

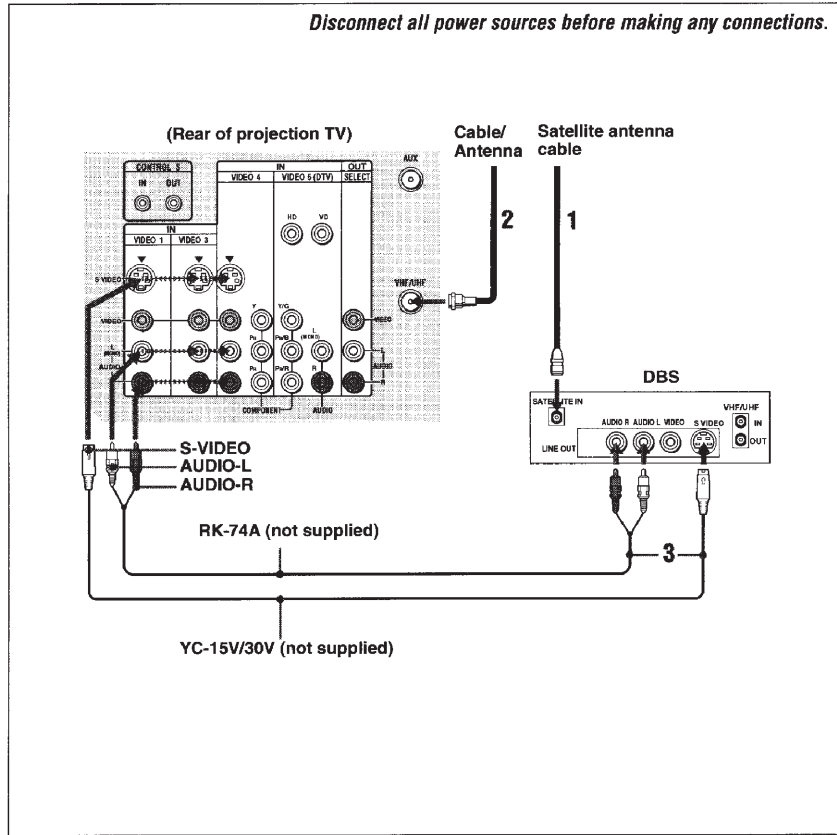


Connecting a DBS (Direct Broadcast Satellite) Receiver

- 1 Connect the cable from the satellite antenna to the DBS receiver.
- 2 Attach the coaxial cable from the incoming cable connection or antenna to VHF/UHF on the projection TV.
- 3 Using AUDIO and S VIDEO cables, connect AUDIO and S VIDEO OUT on the DBS receiver to AUDIO and S VIDEO IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).

Note:

- To view input from the DBS, select the video input which the DBS receiver is connected to by pressing TV/VIDEO on the remote control.



Installing and Connecting the Projection TV

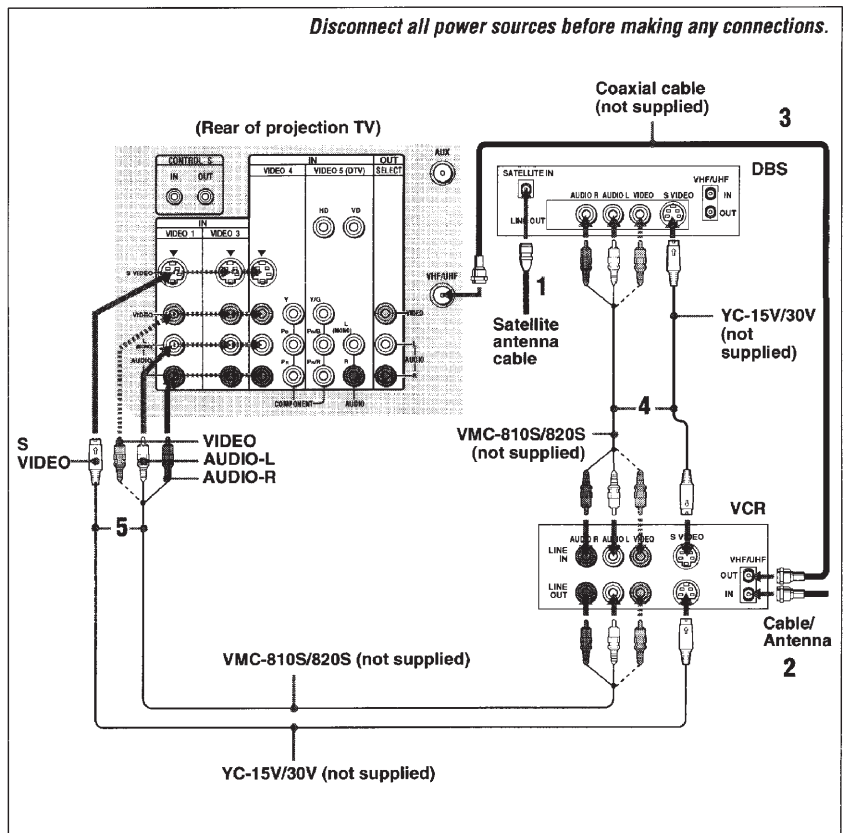
Connecting a DBS (Direct Broadcast Satellite) Receiver and VCR

- 1 Connect the cable from the satellite antenna to the satellite receiver.
- 2 Attach the coaxial cable from the incoming cable connection or antenna to VHF/UHF IN on the VCR.
- 3 Using a coaxial cable, connect VHF/UHF OUT on the VCR to VHF/UHF IN on the projection TV.
- 4 Using AUDIO and S VIDEO* cables, connect AUDIO and S VIDEO OUT on the DBS receiver to AUDIO and S VIDEO IN on the VCR.
- 5 Using AUDIO and S VIDEO* cables, connect AUDIO and S VIDEO OUT on the VCR to AUDIO and S VIDEO IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).

* If your VCR or DBS receiver is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.

Note:

- To view input from the DBS or VCR, select the video input which your DBS receiver or VCR is connected to by pressing TV/VIDEO on the remote control.



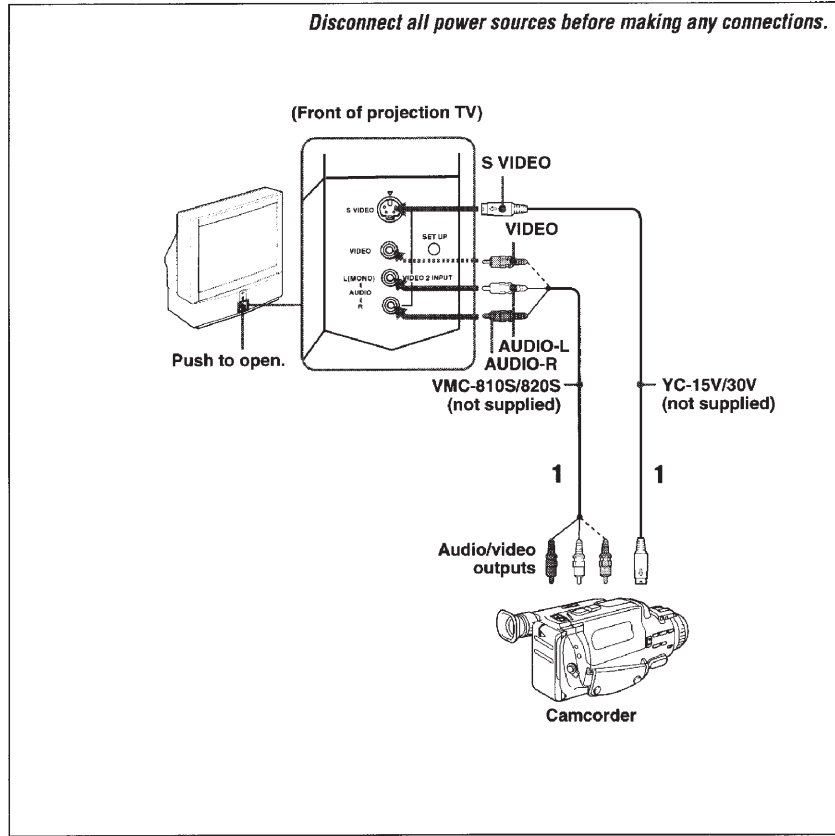
Connecting a Camcorder

Use this connection to view a picture directly from your camcorder.

- Using AUDIO and S VIDEO* cables, connect AUDIO and S VIDEO OUT on the camcorder to AUDIO and S VIDEO IN inside the lower front panel on the projection TV (White-AUDIO Left, Red-AUDIO Right**).
- Press VIDEO 2 to select the video inputs from a camcorder.

* If your camcorder is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.

**If you are connecting a monaural camcorder, connect only the single audio output to the left (MONO) input on the projection TV.



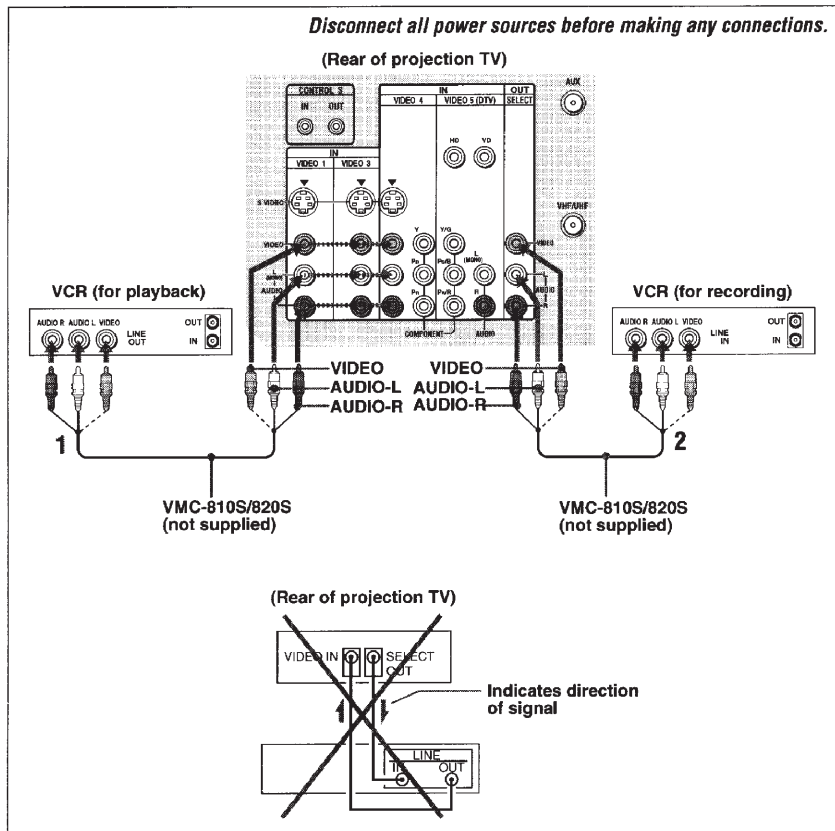
Connecting Two VCRs for Tape Editing

SELECT OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.

- Connect the VCR intended for playback using the connection instructions on page 9 of this manual.
- Using an AUDIO/VIDEO cable, connect AUDIO and VIDEO IN on the VCR intended for recording to AUDIO and VIDEO OUT of SELECT OUT on the projection TV.

Notes:

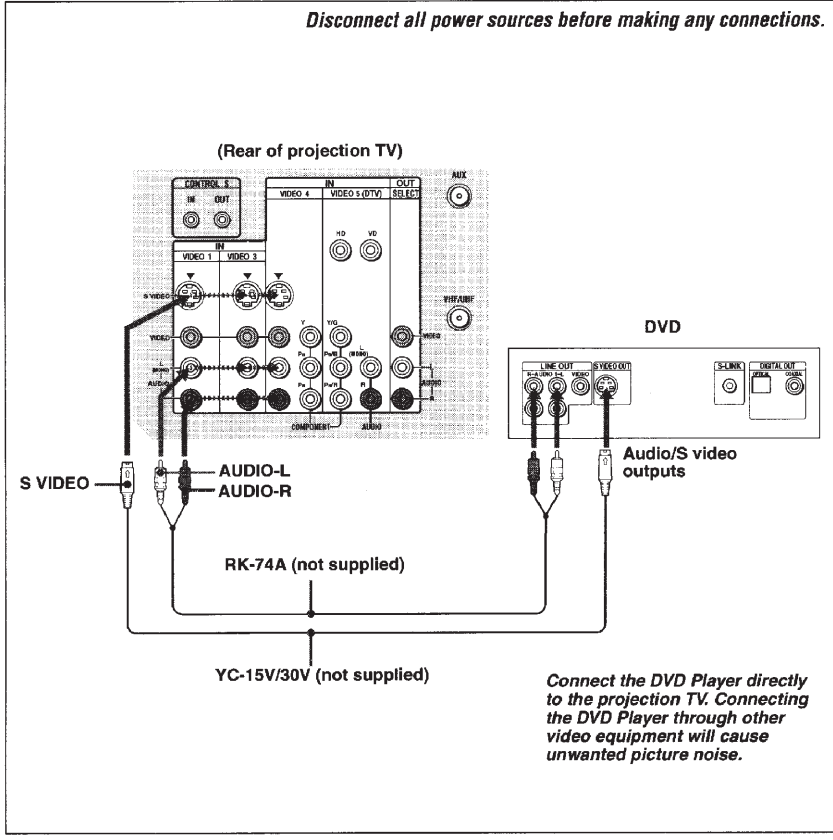
- Do not change the input signal while editing through SELECT OUT.
- When connecting a single VCR to the projection TV: if VCR LINE OUT is connected to VIDEO IN on the projection TV, do not connect the SELECT OUT on the projection TV to the VCR LINE INPUT (see right). Doing so will cause program interference and other viewing problems.
- You can select the output signal from SELECT OUT from the SET UP menu. (see "SELECT OUT" on page 41)



Connecting a DVD Player With S Video or Composite Video Output Connectors

Using an AUDIO and S VIDEO cables, connect AUDIO and S VIDEO IN on the projection TV to AUDIO and S VIDEO OUT on the DVD Player (White-AUDIO Left, Red-AUDIO Right).

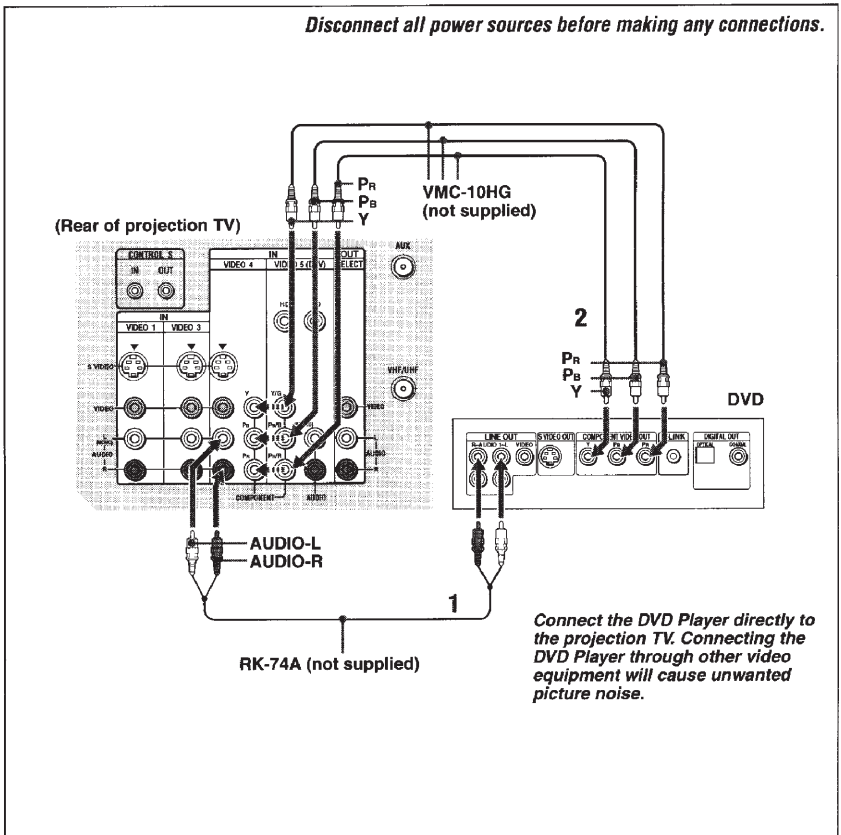
- Note:**
- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust NR in the VIDEO menu. (see "NR" on page 35)



Connecting a DVD Player With Component Video Output Connectors

- 1 Using an AUDIO cable, connect AUDIO R and L of LINE OUT on the DVD Player to AUDIO R and L of VIDEO 4 IN or VIDEO 5 (DTV) IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).
- 2 Using three VIDEO cables, connect Y, P_B and P_R of the COMPONENT VIDEO OUT on the DVD Player to Y, P_B and P_R of VIDEO 4 IN or VIDEO 5 (DTV) IN on the projection TV.

- Notes:**
- If your DVD Player has 480p format capability, connect it to the Y, P_B and P_R of VIDEO 5 (DTV) IN on the projection TV.
 - Some DVD Player terminals may be labeled differently. If so, connect as follows:
Connect Y (green) to Y.
Connect P_B (blue) to C_b, C_r or B-Y.
Connect P_R (red) to C_R, C_r or R-Y.
 - Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust NR in the VIDEO menu. (see "NR" on page 35)



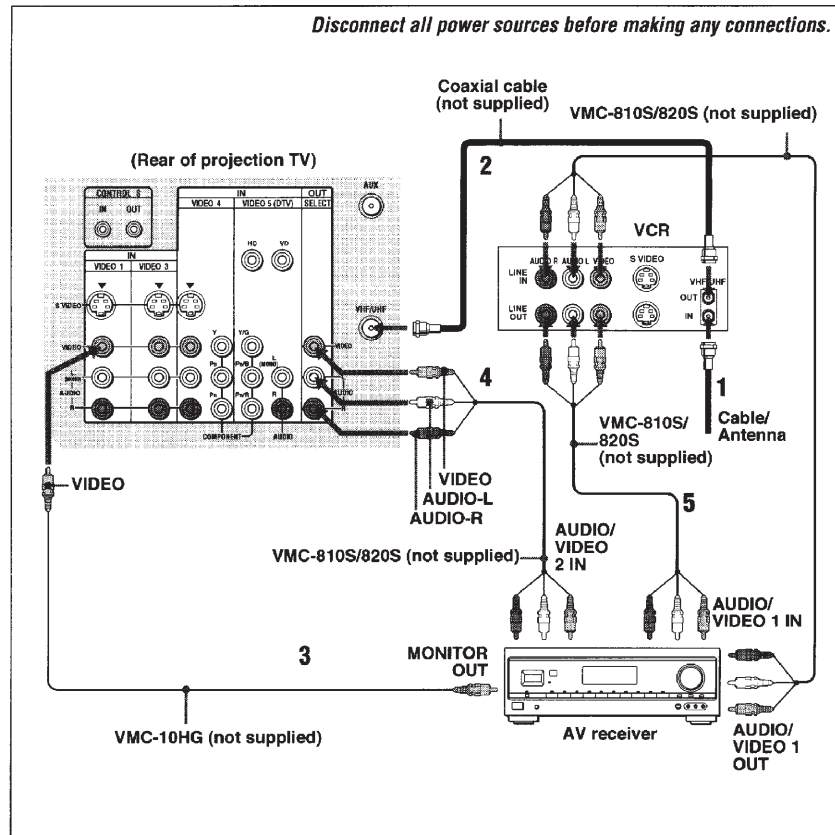
Connecting an AV Receiver

For greater control of all audio and video equipment, connect an AV receiver.

- 1-2 Perform as described on page 9.
- 3 Using a VIDEO cable, connect VIDEO 1 IN on the projection TV to MONITOR OUT on the AV receiver.
- 4 Using an AUDIO/VIDEO cable, connect SELECT OUT on the projection TV to AUDIO/VIDEO 2 IN on the AV receiver.
- 5 Using an AUDIO/VIDEO cable, connect the video equipment to the AV receiver.
- 6 Select the SET UP menu and set SELECT OUT to TV OUT. (see "SELECT OUT" on page 41)

Note:

- You may want to use CHANNEL FIX to fix your projection TV's input to the AV receiver (VIDEO 1). (see "CHANNEL FIX" on page 38)



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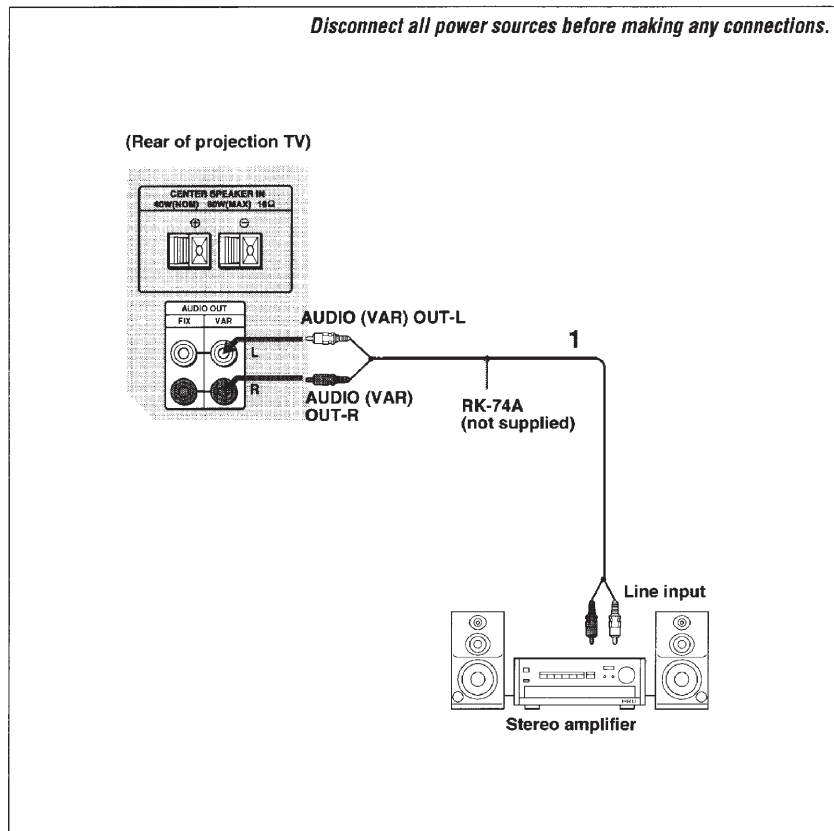
Connecting an Audio System

For more dynamic sound, connect an audio system to the projection TV.

- 1 Using an AUDIO cable, connect AUDIO (VAR) OUT on the projection TV to one of the unused Line inputs (e.g. Tape-2, AUX1, etc.) on the stereo (White-AUDIO Left, Red-AUDIO Right).
- 2 Set the stereo to the chosen Line input and use the AUDIO menu to switch the projection TV's speakers off. (see "SPEAKER" on page 36)

Note:

- You can adjust VOLUME, BASS, TREBLE and BALANCE through the projection TV on AUDIO (VAR) OUT only.

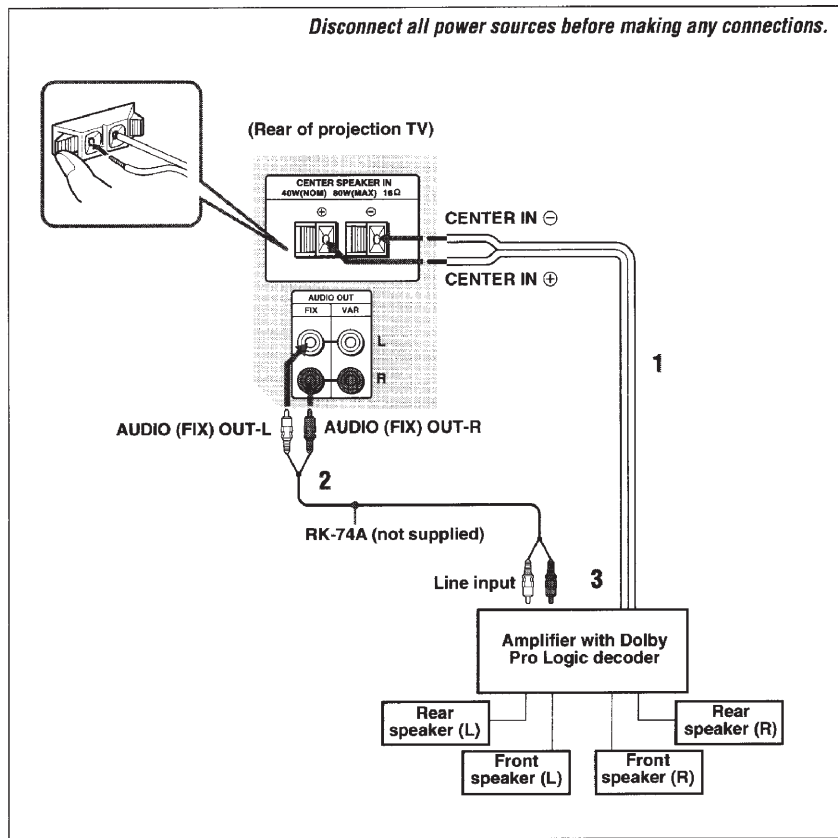


20

Connecting an Amplifier That Supports Dolby Pro Logic Decoder

If you use an amplifier with a Dolby Pro Logic decoder instead of the projection TV's audio system, you can still use the projection TV's speaker as a center speaker.

- 1 Using the speaker cords (supplied with the amplifier), connect the speaker terminals on the amplifier to CENTER SPEAKER IN +/- on the projection TV.
- 2 Using an AUDIO cable, connect AUDIO (FIX) OUT on the projection TV to one of the unused Line inputs (e.g. Tape-2, AUX1, etc.) on the amplifier (White-AUDIO Left, red-AUDIO Right).
- 3 Set the amplifier to the chosen Line input and use the AUDIO menu to set "SPEAKER" to "CENTER IN" on the projection TV. (see "SPEAKER" on page 36)

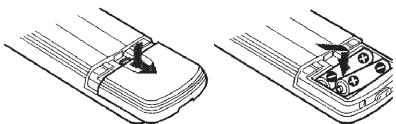


Basic Set Up

Using the Remote Control

Inserting the batteries

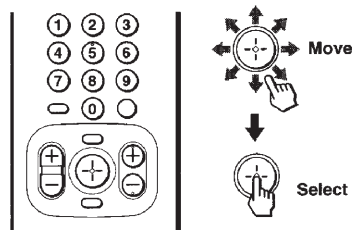
Insert two size AA (R6) batteries (supplied) by matching the + and - on the batteries to the diagram inside the remote control's battery compartment.



Notes:

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.
- Handle the remote control with care. Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater or where the humidity is high.
- Your remote control can be programmed to operate most video equipment. (see "Operating Video Equipment" on page 53)

Using the remote control joystick



The supplied remote control has a joystick which moves the on-screen selector in eight directions. In most cases, moving the joystick up, down, left or right will cause the selector to move in the selected direction.

In some cases, the selector may move in eight directions according to the function. Pressing down on the center of the joystick (⊕) will activate the selected item.

You may also move the joystick right to activate a selected item. (There are some exceptions to this option.)

Adjusting sliders

When menu items present a slider (▬ or ⇄), move the joystick up, down, left or right to adjust the setting.

On-line help/instructions

Several menu windows will provide prompts and instructions to assist you in navigating through the different functions.

Setting Up the Projection TV Automatically

The AUTO SET UP feature will allow you to set the on-screen language and set all receivable channels.

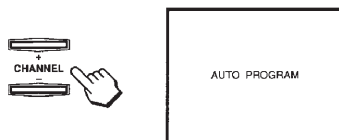
The AUTO SET UP feature does not apply for installations that use a cable box for all channel selection.

You can also set up the projection TV manually. (see "Using the CHANNEL SET UP Menu" on page 37)

Notes:

- Perform this function during the day, with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable.
- Before you perform AUTO SET UP again, make sure that the input from ANT (not AUX) is selected by pressing ANT until "AUX" does not appear next to the channel number.
- When you perform AUTO PROGRAM, your CHANNEL FIX and ON/OFF TIMER settings will be erased.
- When you perform AUTO PROGRAM, all the settings in the VIDEO and AUDIO menus are reset to the factory settings.

- 5 Press CHANNEL + to preset channels automatically.



"AUTO PROGRAM" appears and the projection TV starts scanning and presetting channels automatically. While scanning, the received channel will be displayed on the sub screen. When all the receivable channels are stored, the lowest numbered channel will be displayed.

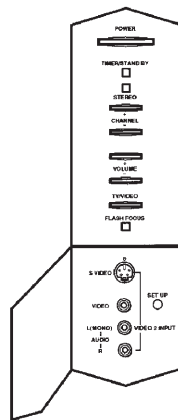
If your projection TV is not connected to a cable system

If you perform AUTO SET UP, CABLE is set to ON automatically. After finishing AUTO SET UP, set CABLE to OFF in the CHANNEL SET UP menu, then set AUTO PROGRAM to YES to perform automatic channel presetting. (see "CABLE" and "AUTO PROGRAM" on page 38)

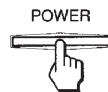
To perform AUTO SET UP again

- Press SET UP inside the lower front panel on the projection TV, and perform steps 3-5 on page 23.
- Press CHANNEL +, CHANNEL - or VOLUME + to select a language.
- Press VOLUME - to restore factory settings ("CONTINUE TO AUTO PROGRAM?" will appear on the screen. Press CHANNEL + to execute or CHANNEL - to exit).
- Press SET UP to exit.

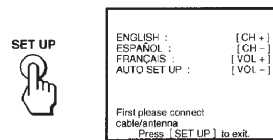
Using the buttons on the front panel and inside the lower front panel on the projection TV:



- 1 Press POWER to turn on the projection TV.



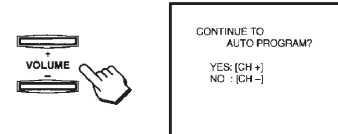
- 2 Press SET UP inside the lower front panel. The AUTO SET UP screen appears.



- 3 Press CHANNEL + to select English, CHANNEL - to select Spanish or VOLUME + to select French. The screen will change to reflect your choice.



- 4 Press VOLUME - to continue.



(continued)

Basic Set Up

Adjusting the Convergence Automatically (FLASH FOCUS)

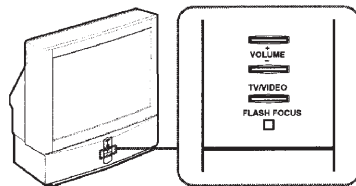
The projection tube image appears on the screen in three layers (red, green and blue). If they do not converge, the color is poor and the picture blurs.

Before you use your projection TV, be sure to adjust the convergence.

The FLASH FOCUS feature allows you to adjust the convergence automatically.

Tip

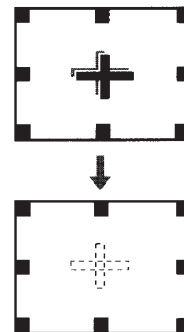
- It is recommended to perform FLASH FOCUS about 30 minutes after the projection TV is first turned on.



- 1 Receive a TV or cable TV program.
- 2 Press FLASH FOCUS.



The cross pattern appears and FLASH FOCUS begins to work. The adjustment is completed when the cross pattern becomes white.



To obtain an optimum convergence

The optimum convergence alignment varies with digital TV formats. Therefore, perform FLASH FOCUS periodically on conventional and digital TV programs. Also, whenever you find that the picture blurs, press FLASH FOCUS.

Notes:

- You cannot perform any other functions until FLASH FOCUS has completed its cycle.
- If you perform any other operation while FLASH FOCUS is in progress, FLASH FOCUS operation is canceled.

Using Your New Projection TV

Watching the TV

Many TV features can be accessed directly through the remote control. The following will explain the function of some buttons found on your remote control.

Notes:

- The FREEZE button does not function with the picture from VIDEO 5 (DTV) IN.
- If the frozen picture mode is not canceled for more than an hour, the normal picture is resumed automatically.

SLEEP

Press repeatedly until the projection TV displays the approximate time in minutes (30, 60, or 90) that you want the projection TV to remain on before shutting off automatically.

Cancel by pressing until "SLEEP OFF" appears.

DISPLAY

Press to display the channel number, current time, channel caption (if set), and MTS mode (if SAP is selected). The SAP indication disappears and the other indications dim three seconds later.

To turn the display off, press DISPLAY again.

Using the white labeled buttons for projection TV operations



REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THE FOLLOWING DESCRIPTIONS

TV (FUNCTION)

Activates the remote control for use with the projection TV.

ANT — (AUX input)

Press to change between the VHF/UHF input and the AUX input. (for detailed connection information, see "Cable and antenna" or "Cable box and cable" on page 8).

TV POWER

Turns the projection TV on and off. If a video input indication (e.g., VIDEO 1, VIDEO 2) appears on the screen, press TV/VIDEO until a channel number appears.

0 - 9 and ENTER

Use for direct channel selection. Press 0-9 to select a channel (for example, to select channel 10, press 1 and 0). The channel will change after 2 seconds, or you can press ENTER for immediate selection.

CC

Press repeatedly to scroll through available displays:

XDS (Extended Data Service)

Displays a network name, program name, program type, program length, program description, call letters and time of the show if the broadcaster offers this service.

Caption Vision

Displayed on the screen if the broadcaster offers this service. (see "CAPTION VISION" on page 41)

No display

"OFF" appears and the display is canceled.

TV/VIDEO

Press repeatedly to scroll through available video inputs:

TV, VIDEO 1, VIDEO 2, VIDEO 3, VIDEO 4 and VIDEO 5

If you select SKIP as a VIDEO LABEL in the SET UP menu, your projection TV will skip the video input you selected. (see "VIDEO LABEL" on page 42)

MTS

Press to scroll through the Multi-channel TV Sound (MTS) options. (see "MTS" on page 35)

CH +/-

Press to scan through the channels (+ up or - down).

VOL +/-

Press to adjust the volume (+ up or - down).

JUMP

Press to alternate or jump back and forth between two channels. The projection TV will jump between the current channel and the last channel selected using the 0-9 buttons.

MUTING

Press to mute the sound. "MUTING" will appear on the screen and will dim three seconds later. To restore sound, press again or press VOL +.

FREEZE

— (yellow labeled button)

This is useful when you need to copy down information that appears on the TV's screen.

Press to freeze the picture.

Press again or press **OFF** to cancel.

If you select TWIN as a FREEZE MODE in the SET UP menu, you can freeze the desired scene and display it on the left while viewing the normal picture on the right. (see "FREEZE MODE" on page 42)

(continued)

PICTURE MODE

Press PICTURE MODE repeatedly to directly choose one of five different video modes that best suits the program you are watching.

VIVID:

Select for enhanced picture contrast and sharpness.

STANDARD:

Select to display a standard picture for normal viewing environments.

MOVIE:

Select to display a finely detailed picture for low light environments.

GAME:

Select to display graphics such as a video game.

PRO (Professional):

Select to display a picture with minimum enhancements.

When you select each mode, you can also adjust the picture quality (such as BRIGHTNESS, COLOR, etc.) to suit your taste.

For details, see "MODE" on page 34.

Watching Digital TV

When you have connected the DTV receiver, you can enjoy digital TV programs. This projection TV is capable of receiving the 1080i, 480p and 480i digital TV formats.

Note:

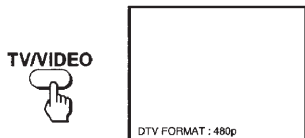
- This projection TV is not suitable for 720p digital TV format. When a 720p format signal is received, the picture will dim and "This signal is not available" is displayed on the screen.

To view a digital TV program

- 1 Connect the DTV receiver to VIDEO 5 (DTV) IN on the projection TV. (for details, see pages 11 and 12)
- 2 Press TV/VIDEO to select VIDEO 5. The digital TV format being received is displayed on the screen for three seconds.

Note:

- You cannot select VIDEO 5 unless a DTV receiver is connected.



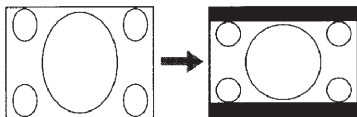
- 3 Select a digital channel on the DTV receiver. For details, see the Operating Instructions of the DTV receiver.

Tip

The optimum convergence alignment varies with digital TV formats. Whenever you find that the picture blurs, press FLASH FOCUS. (for details, see page 24)

If the picture appears stretched vertically

Select the SET UP menu and set ASPECT RATIO to 16:9. (for details, see page 43)

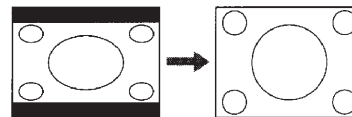


16:9 picture (ASPECT RATIO is set to 4:3.)

16:9 picture (ASPECT RATIO is set to 16:9.)

If the picture appears compressed vertically

Select the SET UP menu and set ASPECT RATIO to 4:3. (for details, see page 43)



4:3 compressed picture (ASPECT RATIO is set to 16:9.)

4:3 picture (ASPECT RATIO is set to 4:3.)

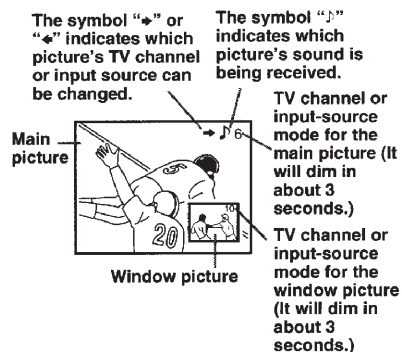
Watching Two Programs at One Time — PIP

The Picture-in-Picture (PIP) feature allows you to view two channels simultaneously, one in the full size "main" picture and one in a smaller "window" picture.

You can move the window picture to any location on the screen (Free Layout PIP).

Note:

- The PIP feature is not available for the inputs from VIDEO 5 (DTV) IN.



Using the yellow labeled buttons for PIP operations

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THE FOLLOWING DESCRIPTION

Tip

If you press RESET in PIP mode, the window picture will move to the bottom right (factory-prest location).



Press to display a window picture.

Each time you press this button, the picture size will change (1/4 → 1/9 → 1/16).

Press OFF to close the window picture.

POSITION

Press to change the location of the window picture (counterclockwise) around the main picture.



To change the location of the window picture, move the joystick in any direction and release it when the picture is in the desired location.

ACTIVE



Press to select either the main or window picture in order to change the TV channel or video source using the white labeled buttons below. The symbol "➤" (or "➤") will appear to indicate which picture's channel or input mode can be changed.

TV/VIDEO



— (white labeled button)

Press repeatedly to scroll through the available video inputs for the picture on which the symbol "➤" (or "➤") is displayed. (see "TV/VIDEO" on page 26)

CH



or 0-9



and ENTER

— (white labeled button)

Press to select the TV channel on which the symbol "➤" (or "➤") is displayed. (for details, see "Watching the TV" on page 25)

ANT



— (white labeled button)

Press to change between the VHF/UHF input and the AUX input for the picture on which the symbol "➤" (or "➤") is displayed.

AUDIO

Press to alternate sound between the main picture and the window picture. The symbol "J" will appear for a few seconds to indicate which picture's sound is being received.

FREEZE

This is useful when you need to copy down information that appears on the TV's screen.

Press to freeze the main and window pictures. The symbols "➔" and "J" and the channel number disappear.

Press again to resume PIP viewing. Press **OFF** to cancel and resume normal TV viewing.

Note:
 • The FREEZE button does not function with digital TV programs.

SWAP

Press to switch the audio and video of the main picture and the window picture.

Each time you press SWAP, the picture and sound of the two will be exchanged.

INDEX

Press to access CHANNEL INDEX for direct channel selection. (see "Using CHANNEL INDEX" on page 31)

OFF

Press to cancel the PIP function and return to normal viewing.

Notes:

- If one of the pictures received through PIP is snowy, the entire screen may become unstable. In this case, erase the snowy channel. (see "CHANNEL SKIP" on page 37)
- If you select VIDEO 5 when the main picture is active, the window picture disappears and you can view the picture from VIDEO 5 (DTV) IN. When the window picture is active, you cannot view the picture from VIDEO 5 (DTV) IN.

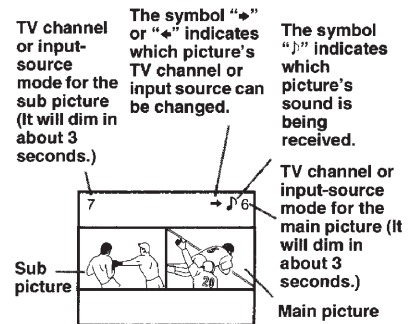
Watching Two Programs at One Time — P&P (Twin View™)

The Picture-and-Picture (P&P) feature allows you to view two channels simultaneously, both in a reduced size screen. The main picture will appear on the right.

You can change the size of both pictures to suit your personal preference.

Note:

- The P&P feature is not available for the inputs from VIDEO 5 (DTV) IN.



(continued)

Using the yellow labeled buttons for P&P operations

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THE FOLLOWING DESCRIPTIONS

Tip

If you press RESET in P&P mode, the right and left pictures will be reset to the same size (factory-preset size.)

RIGHT

Press to display right (main) and left pictures.

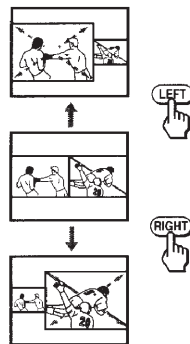
Press **OFF** to close the sub picture.

ZOOM IN or **ZOOM OUT**
LEFT **RIGHT**

Press and hold either RIGHT or LEFT to zoom in on the selected picture.

Release at the desired size. The other picture will be zoomed out simultaneously.

Moving the joystick right or left will activate the same function.



ACTIVE

Press to select either the right or left picture in order to change the TV channel or video source using the white labeled buttons below. The symbol "➔" (or "4") will appear to indicate which picture's channel or input mode can be changed.

TV/VIDEO

Press repeatedly to scroll through the available video inputs for the picture on which the symbol "➔" (or "4") is displayed. (see "TV/VIDEO" on page 26)

CH or **0-9** or **JUMP**
and ENTER

Press to select the TV channel on which the symbol "➔" (or "4") is displayed. (for details, see "Watching the TV" on page 25)

ANT

Press to change between the VHF/UHF input and the AUX input for the picture on which the symbol "➔" (or "4") is displayed.

AUDIO

Press to alternate sound between the right and left pictures. The symbol "J" will appear for a few seconds to indicate which picture's sound is being received.

FREEZE

This is useful when you need to copy down information that appears on the TV's screen.

Press to freeze both the right and left pictures.

Press again to resume P&P viewing or press **OFF** to cancel and resume normal TV viewing.

SWAP

Press to switch the audio and video of the right and left pictures.

Each time you press SWAP, the picture and sound of the two will be exchanged.

OFF

Press to cancel the P&P function and return to normal viewing.

Notes:

- If one of the pictures received through P&P is snowy, the entire screen may become unstable. In this case, erase the snowy channel. (see "CHANNEL SKIP" on page 37)
- If you select VIDEO 5 when the right picture is active, the left picture disappears and you can view the picture from VIDEO 5 (DTV) IN. When the left picture is active, you cannot view the picture from VIDEO 5 (DTV) IN.

Using CHANNEL INDEX

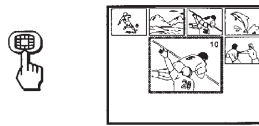
You can use the CHANNEL INDEX feature to display multiple channels and select one directly. Channels used for CHANNEL INDEX will come directly from the TV's list of receivable channels (those set during AUTO PROGRAM or through the CHANNEL SET UP menu).

Note:


- The CHANNEL INDEX feature is not available for the inputs from VIDEO 5 (DTV) IN.

1 Press .

The current channel will be reduced in size and displayed in the center of the screen in normal motion picture format. The first twelve receivable channels will appear one after another, clockwise, around the center picture. These small pictures are updated in intervals of one second. The channel number and channel caption (if set) on the second and later appearances will dim.



A cyan-colored frame will appear to indicate current channel selection.

2 Move the joystick in any direction to move the cyan frame to the picture that you wish to view, and press .

The selected channel will zoom in and move to the center, and the sound of that channel will be heard.

**3** If you wish to view another channel, repeat step 2.

To view the normal picture of the selected channel, proceed to step 4.

4 Press .

The center picture will be enlarged for normal viewing.



(continued) 31

Notes:

- You cannot move the cyan frame until all of the surrounding pictures appear.
- The projection TV will continually update each of the surrounding pictures while the CHANNEL INDEX screen is displayed.
- Sound will only be heard from the center picture.
- If one of the pictures received through CHANNEL INDEX is snowy, the entire screen may become unstable. In this case, erase the snowy channel. (see "CHANNEL SKIP" on page 37)
- If you leave the CHANNEL INDEX screen displayed for an hour without any additional operation, CHANNEL INDEX is canceled and the normal picture reappears.

Using the yellow labeled buttons for CHANNEL INDEX operations

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THE FOLLOWING DESCRIPTIONS



Press to display the next twelve receivable channels.



Press to cancel the current operation and return to normal TV viewing.



Press to freeze the center picture.

Press again to cancel the frozen picture and resume normal center picture viewing.

Using the white labeled buttons for center picture operations

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THE FOLLOWING DESCRIPTIONS



Press to scroll the center picture through the video inputs.

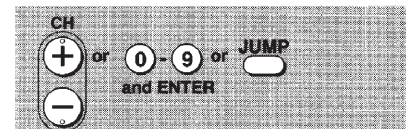
The surrounding channels will not change.

Note:

- If you press VIDEO 5 while the CHANNEL INDEX screen is displayed, the CHANNEL INDEX feature is canceled and the normal picture of the VIDEO 5 input will be displayed.



Press to switch the center picture between the VHF/UHF input and the AUX input.



Press to select a channel for the center picture. (for details, see "Watching the TV" on page 25)

Adjusting Your SET UP (menus)

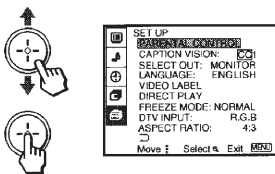
Learning Menu Selection

Use the MENU button to access a menu and use the joystick to alter the settings. Use the following example to learn how to modify settings.

- 1 Press the MENU button.
The main menu appears.

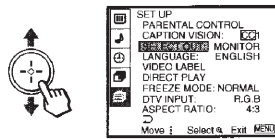


- 2 Move the joystick up or down to highlight the desired menu and press \oplus (press down on the center of the joystick) to activate it.



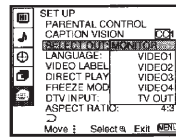
You may also move the joystick right to activate your selection.

- 3 Move the joystick up or down to highlight the desired option.

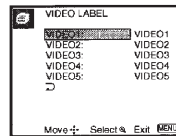


- 4 Press \oplus (press down on the center of the joystick).
Options for your selection (Pop-up menu or Adjusting menu) will be displayed.

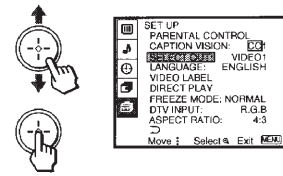
Pop-up menu



Adjusting menu



- 5 Move the joystick up or down to make your selection and press \oplus to activate it.
The previous screen will reappear.



Some adjustment menus may require further operations. For details, see each menu option.

To return to the previous screen (except for the slider adjustment menus), choose \leftarrow at the bottom of the menu and press \oplus or move the joystick left.

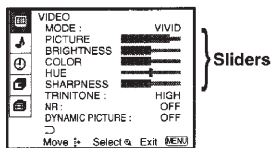
- 6 Once you have completed all menu corrections, press MENU to exit the menu screens.



To exit from the menus at any time

Press MENU.

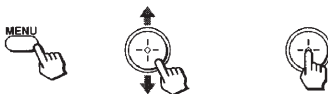
Using the VIDEO Menu



For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 33.

To select the VIDEO menu:

Display \rightarrow Highlight \rightarrow Select



MODE — Customized picture viewing

You can choose one of five different video modes that best suits the program you are watching. You can also adjust the picture quality (such as BRIGHTNESS, COLOR, etc.) for each MODE to suit your taste.

First select each MODE individually before adjusting the picture quality.

VIVID:

Select for enhanced picture contrast and sharpness.

STANDARD:

Select to display a standard picture for normal viewing environments.

MOVIE:

Select to display a finely detailed picture for low light environments.

GAME:

Select to display graphics such as a video game.

PRO (Professional):

Select to display a picture with minimum enhancements.

Press PICTURE MODE on the remote control for direct selection of a MODE setting.

PICTURE — Picture Adjustment

Adjust slider right (up) to increase picture contrast.

Adjust slider left (down) to decrease picture contrast.

BRIGHTNESS — Picture Adjustment

Adjust slider right (up) to brighten the picture.

Adjust slider left (down) to darken the picture.

COLOR

— Picture Adjustment

Adjust slider right (up) to increase color intensity.

Adjust slider left (down) to decrease color intensity.

HUE

— Picture Adjustment

Adjust slider right (up) to increase the green tones.

Adjust slider left (down) to increase the red tones.

SHARPNESS

— Picture Adjustment

Adjust slider right (up) to sharpen the picture.

Adjust slider left (down) to soften the picture.

TRINITONE

— White Intensity Adjustment

HIGH:

Select to give the white colors a blueish tint.

MEDIUM:

Select to give the white colors a neutral tint.

NTSC STD:

Select to give the white colors a reddish tint.

NR
Picture Noise Reduction

Select **ON** to reduce picture noise.
 Select **OFF** to cancel the feature.

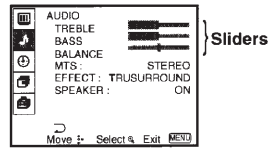
DYNAMIC PICTURE
Black Intensity Adjustment

Select **ON** to emphasize the black level and to produce a bolder dynamic picture.
 Select **OFF** to cancel the feature.

To restore the factory settings

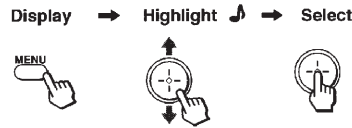
Press **RESET** on the remote control while the **VIDEO** menu is selected. To restore each **MODE** to the factory setting, press **RESET** after selecting the mode to be reset.

Using the AUDIO Menu



For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 33.

To select the AUDIO menu:



TREBLE
Sound Adjustment

Adjust slider right (up) to increase high pitched sounds.
 Adjust slider left (down) to decrease high pitched sounds.

BASS
Sound Adjustment

Adjust slider right (up) to increase low pitched sounds.
 Adjust slider left (down) to decrease low pitched sounds.

BALANCE
Sound Adjustment

Adjust slider right (up) to emphasize right speaker volume.
 Adjust slider left (down) to emphasize left speaker volume.

MTS
Enjoy stereo, bilingual and mono programs

STEREO:
 Select for stereo reception when viewing a program broadcast in stereo.
SAP:
 Select to listen to a bilingual broadcast. (non-SAP programs will be muted when this feature is selected)

MONO:
 Select for mono reception. (use to reduce noise during stereo broadcasts)

Quick MTS access:
 Press **MTS** on your remote control to cycle through the MTS options as follows: (STEREO → SAP → MONO → STEREO)

(continued)

Adjusting Your SET UP (menus)

EFFECT
Customizes surround sound effects based on the program's audio type

EFFECT can only be set when **SPEAKER** is set to **ON**.

TRUSURROUND*:
 Produces a virtual surround effect for Dolby-surround encoded programs.

SRS 3D MONO:
 Adds a surround-like effect to mono programs.

OFF:
 Normal stereo or mono reception.

SPEAKER
Custom selection of audio output source

ON:
 Select to listen to the sound from the projection TV speakers alone.

OFF:
 Select to turn off the projection TV speakers and listen to the projection TV's sound only through an external audio system's speakers.

CENTER IN:
 Select to use the projection TV as center speaker when you connect an amplifier with a Dolby Pro Logic decoder. (see "Connecting an Amplifier That Supports Dolby Pro Logic Decoder" on page 21)

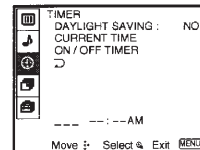
To restore the factory settings

Press **RESET** on the remote control while the **AUDIO** menu is selected.

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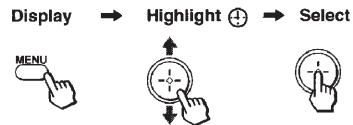
Using the TIMER Menu



After setting the clock you can use the timer to turn the projection TV on and off.

For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 33.

To select the TIMER menu:



Tip
 Set daylight saving time before setting the clock. Any loss of power will cause these settings to be erased.

DAYLIGHT SAVING

— Automatically adjusts the time

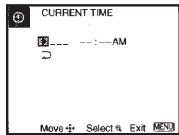
Select **YES** to compensate for Daylight Saving Time in spring. The current time automatically moves ahead one hour.

Select **NO** at the end of Daylight Saving Time in fall. The current time moves back one hour.

CURRENT TIME

— Necessary for the **TIMER**

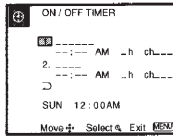
- 1 Press \oplus , then move the joystick up or down until the current day (MON-SUN) is displayed, and press \oplus .
 - 2 Move the joystick up or down until the current hour (1-12) and AM/PM is displayed, and press \oplus .
 - 3 Move the joystick up or down until the current minute (00-59) is displayed, and press \oplus .
- The Clock has now started. Press MENU to exit.



ON/OFF TIMER

— Wake up or scheduled viewing

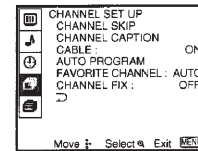
- 1 Select the desired timer (1 or 2).
- 2 Move the joystick up or down until the desired day (MON-SUN) or range of days (EVERY SUN-SAT or EVERY MON-FRI) is displayed, and press \oplus .
- 3 Move the joystick up or down until the time (hours and minutes) that you want the projection TV to remain on is displayed, and then press \oplus .
- 4 Move the joystick up or down to set the time duration (maximum of 6 hours) and press \oplus .
- 5 Move the joystick up or down to select the desired channel and press \oplus .



The timer is now set. The **TIMER/STAND BY** indicator on your projection TV will be lit.

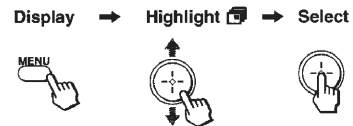
Press MENU to exit. To cancel your timer setting, select timer 1 or 2 and press **RESET** while in the ON/OFF TIMER window. Performing **AUTO PROGRAM** will erase all **TIMER** settings.

Using the CHANNEL SET UP Menu



For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 33.

To select the CHANNEL SET UP menu:

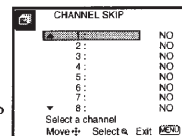


CHANNEL SKIP

— Skips unnecessary channels

After **AUTO PROGRAM**, you can erase unnecessary TV channels from the channel preset memory.

With the **CHANNEL SKIP** window open:



Adjusting Your SET UP (menus)

- 1 Move the joystick up or down to select the desired channel. You can view the channel that is selected with the **CHANNEL SKIP** menu in the center sub screen. You can also use **CH +/-** or **0-9** and **ENTER** buttons.
- 2 Press \oplus .
- 3 Move the joystick up or down to select **YES**, and press \oplus .
The selected channel will be erased.

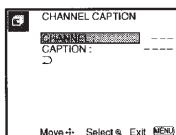
If you want to re-enter the skipped channel, follow the steps above and select **NO**.

CHANNEL CAPTION

— Easy recognition of the channel you are watching

You can add a caption for up to 32 channels of both **VHF/UHF** and **AUX** inputs.

With the **CHANNEL CAPTION** window open:



- 1 Press \oplus and then move the joystick up or down to select the desired channel. You can view the channel that is selected with the **CHANNEL CAPTION** menu in the center sub screen.
- 2 Press \oplus .
- 3 Move the joystick up or down to display the first letter or number of the caption and press \oplus to select it.
- 4 Repeat until up to four digits are selected.
- 5 Press \oplus .

To erase a caption, press **RESET**.

CABLE

— Cable system setting

Select **ON** if your projection TV is connected to a cable system.

Select **OFF** if your projection TV is connected to an antenna.

AUTO SET UP will automatically set **CABLE** to **ON**.

AUTO PROGRAM

— Automatic channel presetting

Select **YES** to signal the projection TV to automatically program all receivable TV channels. When all the receivable channels are stored, the lowest numbered channel will be displayed.

Select **NO** to cancel **AUTO PROGRAM**.

FAVORITE CHANNEL

— User's favorite channels

The **FAVORITE CHANNEL** feature enables easy access to the eight channels that you preset (or the last channel that you were watching). (for details on how to set up this feature, see "Setting and Selecting **FAVORITE CHANNEL**" on page 39)

CHANNEL FIX

— Locks selection of your projection TV's input when used in conjunction with external equipment such as a cable box, AV receiver, etc.

2-6:

When the cable box is connected to the **VHF/UHF** input, you can fix the TV's input to one of the channels between 2 and 6. Press **DBS/CABLE (FUNCTION)** and then **CH +/-** to change the cable box channels.

AUX 2-6:

Use this when a cable box is connected to **AUX**, and a cable or antenna is connected to **VHF/UHF**.

VIDEO 1:

Use this when you have connected external video equipment (e.g. AV receiver) and you want the projection TV's input fixed to it.

OFF:

When you want to switch **CHANNEL FIX** off.

If the projection TV is in the **AUX** mode when you turn **CHANNEL FIX** off, press **ANT** to return to **UHF** input mode.

TIMER settings are erased when CHANNEL FIX is set.

Note:

- You cannot change channels with the TV's tuner when you set **CHANNEL FIX**. If you want to use the TV's tuner while fixing the TV's input to **VIDEO 1**, use the **SET UP** menu to set **SELECT OUT** to **TV OUT**. (see "SELECT OUT" on page 41)

Setting and Selecting FAVORITE CHANNEL

The FAVORITE CHANNEL feature of your projection TV enables easy access to the eight channels that you preset (or the last channel that you were watching).

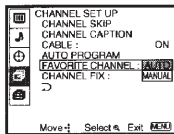
Your FAVORITE CHANNEL options can be set automatically or manually.

The factory setting for FAVORITE CHANNEL is AUTO.

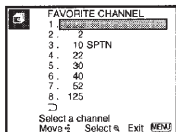
When FAVORITE CHANNEL is set to AUTO, the last eight channels selected with the 0-9 buttons will be set as FAVORITE CHANNEL options. If you want to input your own selections as FAVORITE CHANNEL settings, set to MANUAL.

Setting FAVORITE CHANNEL manually

- 1 Select FAVORITE CHANNEL from the CHANNEL SET UP menu. (see pages 37 and 38)



When you reach step 3, select the position you want to change and press \oplus . Press RESET to clear the channel for that position.



Move the joystick up or down to select a new channel. Press MENU when you are done.

Note:

- The FAVORITE CHANNEL feature is not available for the picture input from AUX or VIDEO 1-5 (DTV) IN.

Using FAVORITE CHANNEL

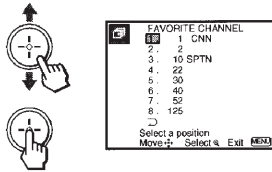
You can use the FAVORITE CHANNEL feature to directly select the channel you want to watch.

- 1 Press \oplus once.

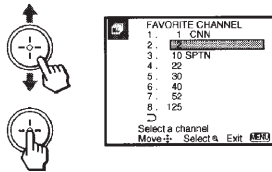
The favorite channel menu and a window picture will be superimposed over the current

- 2 Move the joystick up or down to select MANUAL and press \oplus .

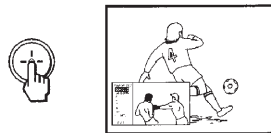
The FAVORITE CHANNEL menu will appear. If you set CHANNEL CAPTION names (e.g. CNN, HBO), they will also be displayed. (see "CHANNEL CAPTION" on page 38)



- 3 Move the joystick up or down to select a position (1-8), and press \oplus .



channel. The window picture displays the channel selected from the menu.



- 2 Move the joystick up or down to select the channel that you wish to view from the menu.

The picture of the selected channel will be displayed in the window picture.



- 3 Press \oplus to select the channel.

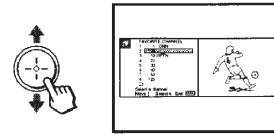
The selected channel will be displayed for normal viewing.



To cancel the favorite channel menu before selecting a channel, move the joystick up or down to select EXIT at the bottom of the menu and press \oplus .

- 4 Move the joystick up or down to select a channel.

You have now selected a favorite channel.



- 5 Press \oplus and use the joystick to program other favorite channels. (Follow steps 3 and 4.)

- 6 Press MENU when you have finished.

Your favorite channels are now ready for use.

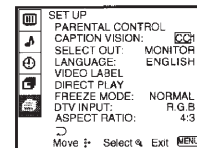
Resetting FAVORITE CHANNEL choices

You have the option of returning to the FAVORITE CHANNEL screen to adjust any of your favorite channel choices.

Simply proceed as described in "Setting FAVORITE CHANNEL manually" (skip step 2 if MANUAL is already selected).

(continued)

Using the SET UP Menu



For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 33.

To select the SET UP menu:

Display → Highlight → Select



PARENTAL CONTROL — Blocks programs unsuitable for children

Allows you to block TV programs that you feel are unsuitable for your children. (see "Using the PARENTAL CONTROL Feature" on page 43 for details)

CAPTION VISION
— Television closed caption display

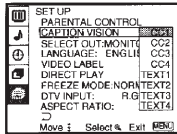
Some programs are broadcast with Caption Vision.

To display Caption Vision, select **[CC] 1**, **[CC] 2**, **[CC] 3**, **[CC] 4**, **TEXT1**, **TEXT2**, **TEXT3** or **TEXT4** from the menu. Then press the **[CC]** button until Caption Vision is displayed.

[CC] 1, **[CC] 2**, **[CC] 3** or **[CC] 4** displays a printed version of the dialogue or sound effects of a program. (The mode should be set to **[CC] 1** for most programs.) **TEXT1**, **TEXT2**, **TEXT3** or **TEXT4** displays network/station information presented using either half or the whole screen.

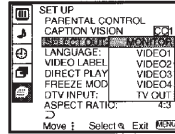
Notes:

- Poor reception of TV programs can cause errors in Caption Vision and XDS. Captions may appear with a white box or other errors instead of the intended text.
- XDS, Caption Vision, and the status display cannot be used at the same time.



SELECT OUT
— Output signal selection from SELECT OUT

You can select the desired output signal from the SELECT OUT jacks at the rear of the projection TV.



Note:

- SELECT OUT setting is not available for the inputs from VIDEO 5 (DTV) IN.

MONITOR:

Select to edit tapes while monitoring. SELECT OUT outputs the picture displayed on the screen.

VIDEO1–VIDEO4:

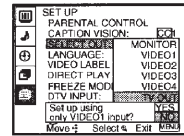
Select to edit tapes while viewing an input image different from that being recorded. SELECT OUT outputs the signal input to the projection TV regardless of the displayed picture on the screen.

TV OUT:

Select if you connect an AV receiver to VIDEO 1 IN. SELECT OUT outputs the signal that the TV is tuned to, regardless of the displayed picture. (see “Connecting an AV Receiver” on page 19 for connection)

If you select **TV OUT**, the following pop-up menu appears.

Select **YES** only if you have connected an AV receiver, with no other equipment, to your projection TV. You can always select the signal from the receiver by pressing TV/VIDEO once.



Select **NO** if you have connected multiple components to your projection TV. You can select an input (VIDEO1 – VIDEO5) with the TV/VIDEO button.

Note:

- The SELECT OUT signal is only available when the projection TV is on.

LANGUAGE
— User's preferred language

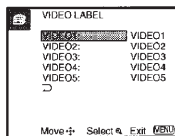
Select from available languages (**ENGLISH**, **ESPAÑOL** or **FRANÇAIS**) to display all menus in your language of choice.

Adjusting Your SET UP (menus)

(continued)

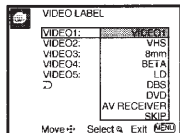
VIDEO LABEL
— Easy recognition of connected equipment (e.g. DBS, VHS, etc.)

This feature allows you to label each input mode so that you can easily identify the connected equipment (e.g. you can label VIDEO 1 IN as VHS).



With the VIDEO LABEL window open:

- 1 Move the joystick up or down to select the input mode you want to label and press **[+]**.



- 2 Move the joystick up or down to select the label and press **[+]**.

VIDEO LABEL Options:

VIDEO 1: VIDEO 1, VHS, 8mm, BETA, LD, DBS, DVD, AV RECEIVER, SKIP

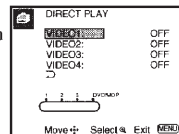
VIDEO 2–4: VIDEO 2–4, VHS, 8mm, BETA, LD, DBS, DVD, SKIP

VIDEO 5: VIDEO 5, DTV, DVD, SKIP

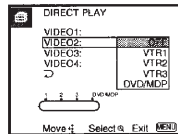
If you select **SKIP**, your projection TV will skip this connection when you scan through video sources using the TV/VIDEO button.

DIRECT PLAY
— Easy operation of a connected VCR

This feature allows you to switch the input mode from the TV to a Sony VCR (MDP or DVD) and start playing by only pressing the **[▶]** (playback) button on the remote control. You have to set the VTR 1/2/3/DVD/MDP switch on the remote control (e.g., you connect your VCR to the VIDEO 3 IN jacks and set the VTR 1/2/3/DVD/MDP switch to VTR 3).



- 1 Move the joystick up or down to select the input to which your video equipment is connected, and press **[+]**.



- 2 Move the joystick up or down to select the position of the VTR 1/2/3/DVD/MDP switch, and press **[+]**.

Note:

- DIRECT PLAY setting is not available for the inputs from VIDEO 5 (DTV) IN.

FREEZE MODE
— Freeze picture mode

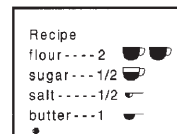
Useful when you need to copy down information that appears on the TV's screen.

Note:

- The FREEZE MODE feature is not available for the inputs from VIDEO 5 (DTV) IN jacks.

NORMAL:

Select to freeze the whole picture on the screen by pressing **FREEZE**.

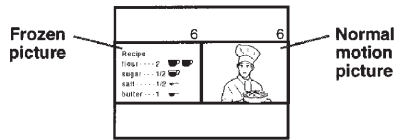


The current picture freezes.

TWIN:

Select to freeze the desired scene and display it on the left of the screen while viewing the normal picture of the current channel on the right by pressing **FREEZE**.

This mode is not available for PIP, P&P or CH INDEX screens.



Press FREEZE again or press **OFF** to display the normal picture.

DTV INPUT

— Input signal selection from the DTV receiver

Select **R.G.B** when you connect a DTV receiver to the G/B/R/HD/VD jacks of VIDEO 5 (DTV) IN on the rear of the projection TV. Select **Y PB PR** when you connect a DTV receiver to the Y/Pb/Pr jacks of VIDEO 5 (DTV) IN.

Note:

- Picture color will be incorrect if wrong DTV INPUT is selected.

ASPECT RATIO

— Wide picture mode for digital TV

The feature allows you to display a compressed 4:3 picture in 16:9 aspect ratio with higher-density (available for 480p and 480i formats only). (see page 27)

Normally, set to **4:3**. Select **16:9** if the picture of DTV 480p or 480i format appears stretched vertically.

Using the PARENTAL CONTROL Feature

The TV programs and movies shown on TV are given a rating signal based on the following rating systems.

In U.S.A.: U.S. Television Parental Guidelines to rate television programs (U.S. TV ratings), and Motion Picture Association of America (MPAA) Guidelines to rate movies including those shown on TV (movie ratings)

In Canada: Canadian English Language ratings to rate television programs in English, and Canadian French Language ratings to rate those in French.

To block programs you feel are unsuitable for your children, you need to set the TV for the desired rating systems. Sony's predetermined ratings are also available. See page 50 for a description of the ratings.

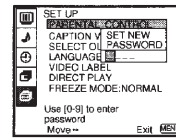
The Parental Control feature of the TV functions by receiving the rating signal from your local broadcasting station or cable service provider.

Note:
 • The PARENTAL CONTROL feature is not available for the inputs from VIDEO 5 (DTV) IN.

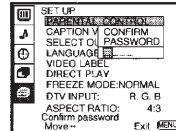
Activating the PARENTAL CONTROL feature

First, set a password, then select your desired rating from Sony's predetermined ratings.

- 1 Select PARENTAL CONTROL from the SET UP menu. (see page 40)



- 2 Enter a four digit password* using the 0-9 buttons.

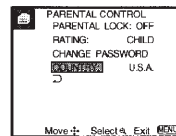


* Do not enter "4357" corresponding to "HELP" on a phone number pad. (see page 49)

- 3 To confirm the password, re-enter the same password with the 0-9 buttons.

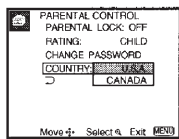
Your password is stored and the PARENTAL CONTROL menu automatically appears.

If you want to change the password, see page 49.

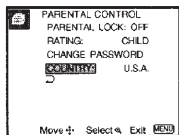


(continued)

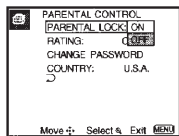
- 4 Make sure that COUNTRY is highlighted, and press **+**.



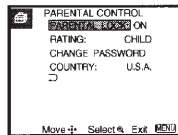
- 5 Move the joystick up or down to select your country (U.S.A. or CANADA), and press **+**.



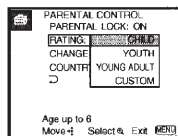
- 6 Move the joystick up or down to select PARENTAL LOCK, and press **+**.



- 7 Move the joystick up or down to select ON, and press **+**.



- 8 Move the joystick up or down to select RATING, and press **+**.



- 9 Move the joystick up or down to select a desired rating (CHILD, YOUTH and YOUNG ADULT), and press **+**.

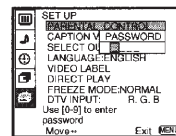
If you want to select the ratings from CUSTOM, go to step 4 of "Selecting a Custom Rating in U.S.A." on page 45 or "Selecting a Custom Rating in Canada" on page 48, according to your COUNTRY setting.

- 10 Press MENU to exit the menu.

To deactivate the PARENTAL CONTROL feature

If you set PARENTAL LOCK in the PARENTAL CONTROL menu to OFF, the PARENTAL CONTROL feature will be canceled and you can view all TV programs and movies shown on TV.

- 1 Select PARENTAL CONTROL from the SET UP menu. (see page 40)



- 2 Enter your four digit password using the 0-9 buttons.

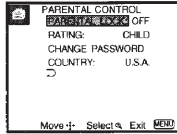
The PARENTAL CONTROL menu appears.



- 3 Move the joystick up or down to select PARENTAL LOCK, and press \oplus .



- 4 Move the joystick up or down to select OFF, and press \oplus .



- 5 Press MENU to exit the menu.

To unlock the PARENTAL CONTROL feature temporarily

When you select a PARENTAL CONTROL program, no sound or picture except for a channel number will appear. The \mathcal{P} indicator is displayed. To view the program, follow the steps below.

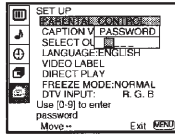
- 1 Press ENTER to display the "Password" screen.
- 2 Enter your password using the 0-9 buttons. PARENTAL CONTROL will be canceled (PARENTAL LOCK set to OFF) until you turn your projection TV off.

Selecting a Custom Rating in U.S.A.

If you want to select the ratings to be blocked from CUSTOM once you have activated the PARENTAL CONTROL feature (page 43), follow the procedure below.

For a detailed description of each rating, see page 50.

- 1 Select PARENTAL CONTROL from the SET UP menu. (see page 40)

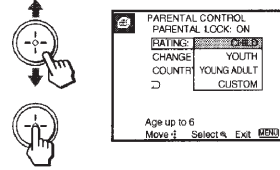


- 2 Enter your four digit password using the 0-9 buttons.

The PARENTAL CONTROL menu appears. Make sure that COUNTRY is set to U.S.A.



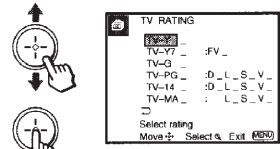
- 3 Move the joystick up or down to select RATING, and press \oplus .



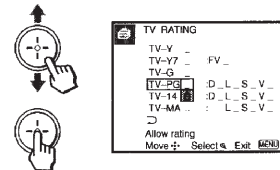
- 4 Move the joystick up or down to select CUSTOM, and press \oplus .

First, select a TV rating.

- 5 Move the joystick up or down to select TV RATING, and press \oplus .

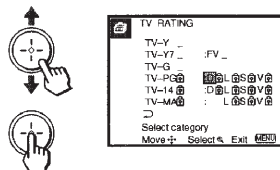


- 6 Move the joystick up or down to select the TV rating to be blocked, and press \oplus .



- 7 Move the joystick up or down to select \mathcal{P} , and press \oplus .

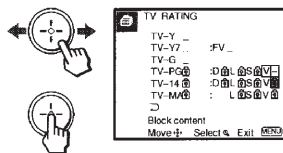
The \mathcal{P} indicator automatically appears beside the selected rating and all "higher" ratings, indicating that the programs that match the ratings will be blocked.



Some ratings have additional content ratings called "extenders." The extenders are defined as follows: D (sexually suggestive Dialog), FV (Fantasy Violence), L (coarse Language), S (Sexual situations) and V (Violence). By setting the extenders, you can define additional viewing limits. For more details of extenders, see page 51.

All of the extenders included in the selected ratings will be blocked. If you wish to allow any of them to be viewed, go to step 8.

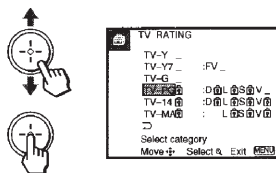
- 8 Move the joystick left or right to select the extender to be viewed, and press \oplus .



- 9 Move the joystick up or down to select "-", and press \oplus .

"-" appears beside the selected extender, indicating that the programs that match the extender can be viewed.

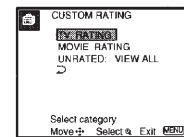
If you select \mathcal{P} , \mathcal{P} is displayed to show that the programs that match the extender will be blocked again.



- 10 Repeat steps 8 and 9 for other extenders.

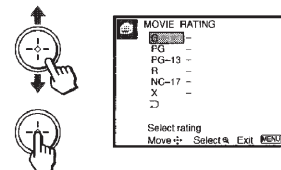
All programs that match the ratings you select and higher, except for the extenders that were canceled, will be blocked.

- 11 After setting of the TV rating is complete, move the joystick up or down to select \mathcal{P} , and press \oplus .



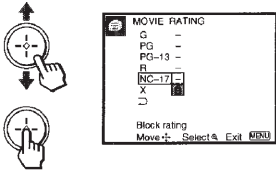
Second, select a movie rating.

- 12 Move the joystick up or down to select MOVIE RATING, and press \oplus .



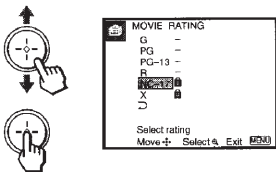
(continued)

- 13 Move the joystick up or down to select the movie rating to be blocked, and press \oplus .



- 14 Move the joystick up or down to select \boxplus , and press \oplus .

The \boxplus indicator automatically appears beside the selected rating and all "higher" ratings, indicating that the programs that match the ratings will be blocked.

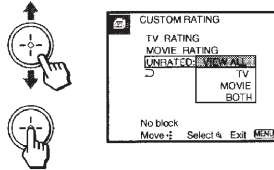


- 15 Press MENU to exit the menu.

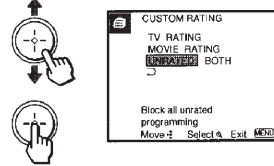
To block TV programs and/or movies for which a rating is not given (NR and N/A)

For a description of the NR and N/A ratings, see page 50.

- 1 Perform steps 1–4 of "Selecting a Custom Rating in U.S.A." on page 45.
- 2 Move the joystick up or down to select UNRATED, and press \oplus .



- 3 Move the joystick up or down to select the type of programs to be blocked, and press \oplus .



| To block ... | Select ... |
|---|------------|
| No program (to view any unrated TV program and movie) | VIEW ALL |
| Unrated TV programs | TV |
| Unrated movies | MOVIE |
| Unrated TV programs and movies | BOTH |

- 4 Press MENU to exit the menu.

Note:

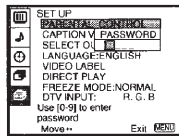
- Programs with no rating signal will automatically be blocked when TV, MOVIE or BOTH is selected.

Selecting a Custom Rating in Canada

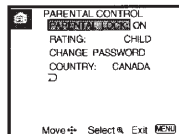
If you want to select the ratings to be blocked from CUSTOM once you have activated the PARENTAL CONTROL feature (page 43), follow the procedure below.

For a detailed description of each rating, see "Ratings in Canada" on page 51.

- 1 Select PARENTAL CONTROL from the SET UP menu. (see page 40)

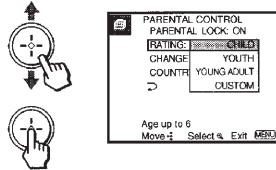


- 2 Enter your four digit password using the 0-9 buttons.

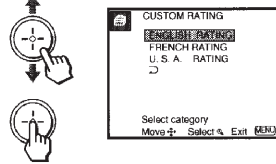


The PARENTAL CONTROL menu appears. Make sure that COUNTRY is set to CANADA.

- 3 Move the joystick up or down to select RATING, and press \oplus .

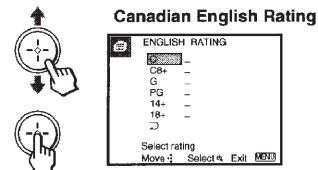


- 4 Move the joystick up or down to select CUSTOM, and press \oplus .

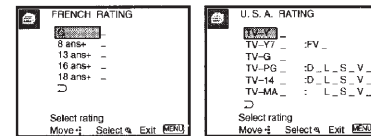


- 5 Move the joystick up or down to select the rating you want to block, and press \oplus .

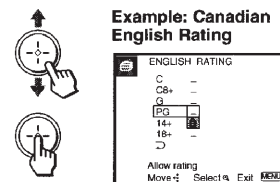
The selected rating appears.






Canadian French Rating U.S. TV Rating

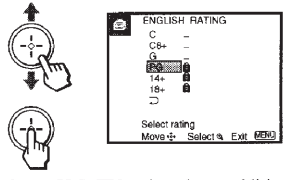


- 6 Move the joystick up or down to select the TV rating to be blocked, and press \oplus .



- 7 Move the joystick up or down to select , and press .

The  indicator automatically appears beside the selected rating and all “higher” ratings, indicating that the programs that match the ratings will be blocked.



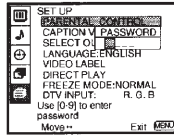
Some U.S. TV ratings have additional content ratings called “extenders,” such as D, FV, L, S and V. By setting the extenders, see steps 7 to 10 of “Selecting a Custom Rating in U.S.A.” on page 45. For more details of extenders, see page 51.

All of the extenders included in the selected ratings will be blocked. If you wish to allow any of them to be viewed, go to step 8 on page 46.

- 8 Press MENU to exit the menu.

Changing the Password


- 1 Select PARENTAL CONTROL from the SET UP menu. (see page 40)

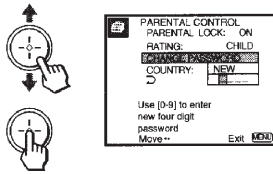


- 2 Enter your four digit password using the 0–9 buttons.

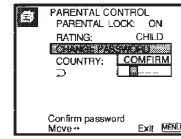
The PARENTAL CONTROL menu appears.



- 3 Move the joystick up or down to select CHANGE PASSWORD, and press .



- 4 Enter a new four digit password using the 0–9 buttons.



- 5 Enter the password set in step 4 again to confirm.

If you entered it incorrectly, “Password incorrect” appears.


Re-enter the correct password.

- 6 Press MENU to exit the menu.

If you have forgotten your password

In step 2 of “Changing the Password,” enter the master password “4357” (corresponding to “HELP” on a phone number pad). You can then store a new password.

Notes:

- If you entered “4357” as your password the first time, you cannot store a new password. (see step 2 of “Activating the PARENTAL CONTROL feature” on page 43)
- When you select a PARENTAL CONTROL program and the  indicator is displayed on the screen, you cannot view that program even if you enter “4357.” (see “To unlock the PARENTAL CONTROL feature temporarily” on page 45)

What the Ratings Mean

Ratings in U.S.A.

Sony's predetermined ratings

These are original ratings that Sony predetermined according to the viewer's age. Each rating allows you to view the certain programs, as follows.

See the center column for a description of TV and movie ratings.

CHILD:

Suitable for children under the age of 6.
Viewable U.S. movie ratings: G, NR, and N/A
Viewable U.S. TV ratings: TV-Y, TV-G, and TV-NR

YOUTH:

Suitable for children aged 7 and older.
Viewable U.S. movie ratings: G, PG, NR, and N/A
Viewable U.S. TV ratings: TV-Y, TV-Y7, TV-G, TV-PG, and TV-NR

YOUNG ADULT:

Suitable for children aged 13 and older.
Viewable U.S. movie ratings: G, PG, PG-13, NR, and N/A
Viewable U.S. TV ratings: TV-Y, TV-Y7, TV-G, TV-PG, TV-14, and TV-NR

U.S. movie ratings

U.S. movie ratings are for movies (including those shown on TV) rated according to the Motion Picture Association of America (MPAA) Guidelines.

G (General Audiences—All Ages Admitted):

In G-rated films no strong words are used, the violence is at a minimum, nudity and sex scenes are not present, nor is there any drug use.

PG (Parental Guidance Suggested. Some Material May Not Be Suitable For Children):

This is a film which may need to be monitored first by parents.

PG-13 (Parents Strongly Cautioned. Some Material May Be Inappropriate For Children Under 13):

Parents are alerted to be very careful about the attendance of their under-teenage children when viewing.

R (Restricted, Under 17 Require Accompanying Parent Or Adult Guardian):

This film includes hard language, tough violence, nudity, drug abuse or other elements of concern.

NC-17 or X (No One 17 Or Under Admitted.):

This is a film that most parents would consider not suitable for children aged 17 and under. There may be violence, sex, aberrational behavior, drug abuse or other elements of concern.

NR (Not Rated):

This is a film that a producer has not rated, intending to have his film widely released.

N/A (Not Applicable):

This is a film that a producer considers outside the scope of the MPAA ratings.

Note:

- NR and N/A ratings are shown together as UNRATED in the menu.

U.S. TV ratings

U.S. TV ratings are for TV programs rated according to the U.S. Television Parental Guidelines.

TV-Y (All Children):

This program is designed for young children aged 2–6 and is appropriate for all children.

TV-Y7 (Directed to Older Children):

This program is designed for children aged 7 and above. Themes and elements in this program may include mild fantasy violence or slapstick violence, or may frighten children under the age of 7.

TV-G (General Audience):

Most parents would find this program suitable for all ages. It contains little or no violence, no strong language and little or no sexual dialog or situations.

TV-PG (Parental Guidance Suggested):

This program contains some material that parents may find unsuitable for younger children.

TV-14 (Parents Strongly Cautioned):

This program contains some material that many parents would find unsuitable for children under the age of 14.

TV-MA (Mature Audience Only):

This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under the age of 17.

TV-NR (Not Rated/Unrated):

This is a program broadcast without any rating, such as news, news flashes or sports.

Note:

- The TV-NR rating is shown as UNRATED in the menu.

About the extenders of U.S. TV ratings

TV-Y7, TV-PG, TV-14 and TV-MA ratings have additional content ratings called "extenders" to define additional viewing limits. The extenders are defined as follows:

D (sexually suggestive Dialog):

Programs containing suggestive dialog, or sexual innuendo

FV (Fantasy Violence):

Programs containing cartoon violence occurring in TV-Y7 programs only

L (coarse Language):

Programs containing coarse language

S (Sexual situations):

Programs containing sexual content

PG (Parental Guidance):

Programming intended for a general audience but which may not be suitable for younger children. Parents may consider some content inappropriate for unsupervised viewing by children aged 8 – 13.

14+ (Programming contains themes or content which may not be suitable for viewers under the age of 14):

Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens.

18+ (Adult):

May contain violence integral to the development of the plot, character or theme, intended for adult audiences. May contain graphic language and explicit portrayals of nudity and/or sex.

E (Exempt):

Exempt programming includes: news, sports documentaries and other information programming: talk shows, music videos, and variety programming.

Note:

- The E (Exempt) rating is not shown in the menu.

Canadian French Language ratings

The Canadian French Language Ratings are for TV programs in French broadcast in Canada.

G (General):

Programming intended for audience of all ages. Contains no violence, or the violence it contains is

V (Violence):

Programs containing violence

There may be some profanity, violence or brief nudity in these programs.

Ratings in Canada**Sony's predetermined ratings**

These are original ratings that Sony predetermined according to the viewer's age. Each rating allows you to view the certain programs, as follows.

See the right column for a description of each rating.

CHILD:

Suitable for children under the age of 7.

Viewable Canadian English Language ratings: C and G

Viewable Canadian French Language ratings: G

Viewable U.S. TV ratings: TV-Y, TV-G, and TV-NR

YOUTH:

Suitable for children aged 8 and older.

Viewable Canadian English Language ratings: C, G, C8+ and PG

Viewable Canadian French Language ratings: G and 8 ans+

Viewable U.S. TV ratings: TV-Y, TV-Y7, TV-G, TV-PG, and TV-NR

minimal or is depicted appropriately with humor or caricature or in an unrealistic manner.

8 ans+ (8+ General - Not recommended for young children):

Programming intended for a broad audience but contains light or occasional violence that could disturb young children. Viewing with an adult is recommended for young children (under the age of 8).

13 ans+ (Programming may not suitable for children under the age of 13):

Viewing with an adult is strongly recommended for children under 13.

16 ans+ (Programming is not suitable for children under the age of 16):

Contains frequent scenes of violence or intense violence.

18 ans+ (Programming restricted to adults):

Contains constant violence or scenes of extreme violence.

E (Exempt):

Exempt programming.

Note:

- The E (Exempt) rating is not shown in the menu.

YOUNG ADULT:

Suitable for children aged 14 and older.

Viewable Canadian English Language ratings: C, G, C8+, PG and 14+

Viewable Canadian French Language ratings: G, 8 ans+, 13 ans+

Viewable U.S. TV ratings: TV-Y, TV-Y7, TV-G, TV-PG, TV-14, and TV-NR

Canadian English Language ratings

The Canadian English Language Ratings are for TV programs in English broadcast in Canada.

C (Programming intended for children under age 8):

There will be no realistic scenes of violence or no offensive language, nudity or sexual content. Careful attention is paid to themes, which could threaten children's sense of security and well-being.

C8+ (Programming generally considered acceptable for children 8 years and over to watch on their own):

Violence will not be portrayed as the preferred, acceptable, or only way to resolve conflict; or encourage children to imitate dangerous acts which they may see on television. There will be no profanity, nudity or sexual content.

G (General Audience):

Will contain very little violence, either physical or verbal or emotional. There may be some inoffensive slang, no profanity and no nudity.

(continued) 51

Additional Operations

Operating Video Equipment

Setting the Manufacturer's Code

You can use the supplied remote control to operate Sony or non-Sony video equipment that has an infrared sensor.

- Set the VTR 1/2/3/DVD/MDP switch to the input through which you would like to access your video equipment.

The following Sony equipment is preset to each input as shown below:

| | |
|---------------|--------------------|
| VTR1 (303) | Beta, ED Beta VCRs |
| VTR2 (302) | 8 mm VCR |
| VTR3 (301) | VHS VCR |
| DVD/MDP (751) | DVD Player |

- Press CODE SET, DVD/VTR (FUNCTION), and the 0-9 buttons to enter the manufacturer's code number (see the following chart), then press ENTER.

For example, to operate a Sony 8mm VCR:



If the remote control doesn't work

- See the tips on page 55.

VCR manufacturer code numbers

| Manufacturer | Code |
|-------------------------|-----------------------------------|
| Sony | 301, 302, 303 |
| Aiwa | 338 |
| Admiral (M. Ward) | 327 |
| Audio Dynamic | 314, 337 |
| Bell & Howell (M. Ward) | 330, 343 |
| Broksonic | 319, 317 |
| Canon | 309, 308 |
| Citizen | 332 |
| Craig | 315, 302, 332 |
| Criterion | 315 |
| Curtis Mathis | 304, 338, 309 |
| Daewoo | 341, 312, 309 |
| DBX | 314, 336, 337 |
| Dimensia | 304 |
| Emerson | 319, 320, 316, 317, 318, 341 |
| Fisher | 330, 334, 335, 333 |
| Funai | 338 |
| General Electric | 329, 304, 309 |
| Go Video | 340, 339, 322 |
| Goldstar | 332 |
| Hitachi | 306, 304, 305, 338 |
| Instant Replay | 309, 308 |
| JC Penney | 309, 305, 304, 330, 314, 336, 337 |
| JVC | 314, 336, 337 |
| Kenwood | 314, 336, 332, 337 |
| LXI (Sears) | 332, 305, 333, 334, 330, 335, 338 |
| Magnavox | 308, 309, 310 |
| Marantz | 314, 336, 337 |
| Marta | 332 |
| Memorex | 309, 335 |
| Minolta | 305, 304 |

| | |
|--------------------------|---|
| Mitsubishi/MGA | 323, 324, 325, 326 |
| Multitech | 325, 338, 321 |
| NEC | 314, 336, 337 |
| Olympic | 309, 308 |
| Optimus | 327 |
| Panasonic | 308, 309, 306, 307 |
| Pentax | 305, 304 |
| Philco | 308, 309 |
| Philips | 308, 309, 310 |
| Pioneer | 308 |
| Quasar | 308, 309, 306 |
| RCA/PROSCAN | 304, 305, 308, 309, 311, 329, 312, 313, 310 |
| Realistic | 309, 330, 328, 335, 324, 338 |
| Sansui | 314 |
| Singer | 315 |
| Samsung | 322, 313, 321 |
| Sanyo | 330, 335 |
| Scott | 312, 313, 321, 335, 323, 324, 325, 326 |
| Sharp | 327, 328 |
| Shintom | 315 |
| Signature 2000 (M. Ward) | 338, 327 |
| Sylvania | 308, 309, 338, 310 |
| Symphonic | 338 |
| SV2000 | 338 |
| Tashiro | 332 |
| Tatung | 314, 336, 337 |
| Teac | 314, 336, 338, 337 |
| Technics | 309, 308 |
| Teknica | 342, 338 |
| Toshiba | 312, 311 |
| Wards | 327, 328, 335, 331, 332 |
| XR-1000 | 315 |
| Yamaha | 330, 314, 336, 337 |
| Zenith | 331 |

(continued)

MDP manufacturer code numbers

| Manufacturer | Code |
|--------------|------|
| Sony | 701 |
| Panasonic | 704 |
| Pioneer | 702 |

DVD Player manufacturer code numbers

| Manufacturer | Code |
|--------------|------|
| Sony | 751 |
| Panasonic | 753 |
| Pioneer | 752 |
| RCA | 755 |
| Toshiba | 754 |

Tips

- In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.
- When you remove the batteries, the code number may revert to the factory setting.

Operating video equipment

- Set the VTR1/2/3/DVD/MDP switch to the input through which you would like to access your video equipment.
- Press DVD/VTR (FUNCTION).
- Use the VCR/DVD/MDP operation buttons indicated in the following tables.

Operating a VCR using the remote control

| | |
|---|---|
| To turn On/Off | Press DVD/VTR (POWER). [Green Button] |
| To select a channel | Press the 0-9 buttons. |
| To change channels | Press CH +/-. |
| To record | Press (REC) while pressing (lower). |
| To play | Press >>>. |
| To stop | Press ■. |
| To fast forward | Press >>>>. |
| To rewind the tape | Press <<<<. |
| To pause | Press II. Press again to resume normal playback. |
| To search the picture forward or backward | Press >>> or <<<< during playback. Release to resume normal playback. |
| To change input mode | Press TV/VTR. |

Operating an MDP using the remote control

| | |
|---|---|
| To turn On/Off | Press DVD/VTR (POWER). [Green Button] |
| To play | Press >>>. |
| To stop | Press ■. |
| To pause | Press II. Press again to resume normal playback. |
| To search the picture forward or backward | Press >>> or <<<< during playback. Release to resume normal playback. |
| To search a chapter forward or backward | Press CH +/-. |

Operating a DVD Player using the remote control

| | |
|--|---|
| To turn On/Off | Press DVD/VTR (POWER). [Green Button] |
| To play | Press >>>. |
| To stop | Press ■. |
| To pause | Press II. Press again to resume normal playback. |
| To step through different tracks of an audio disc | Press >>> to step forward or <<<< to step backward. |
| To step through different chapters of a video disc | Press CH+ to step forward or CH- to step backward. |
| To display the Title menu | Press TITLE. |
| To display the DVD menu | Press DVD MENU. |
| To select tracks directly | Press 0-9 buttons. |
| To display the menu (Set up) | Press MENU. |

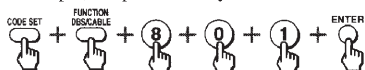
Operating a Cable Box or DBS Receiver

Setting the Manufacturer's Code

You can program the supplied remote control to operate a cable box or DBS receiver.

Press CODE SET, DBS/CABLE (FUNCTION), and the 0-9 buttons to enter the manufacturer's code number (see the following chart), then press ENTER.

For example, to operate a Sony DBS receiver:



Manufacturer code numbers (cable box)

| Manufacturer | Code |
|--------------------|--|
| Gemini | 233 |
| Hamlin/Regal | 222, 223, 224, 225, 226 |
| Jerrold/G. I. | 201, 202, 203, 204, 205, 222, 206, 207, 208, 218 |
| Macom | 230, 231, 232 |
| Magnavox | 234 |
| Oak | 227, 228, 229 |
| Panasonic | 219, 220, 221 |
| Philips | 236, 237, 238, 239, 240, 241 |
| Pioneer | 214, 215 |
| Samsung | 235 |
| Scientific Atlanta | 209, 210, 211 |
| Tocom | 216, 217 |
| Zenith | 212, 213 |

Manufacturer code numbers (DBS receiver)

| Manufacturer | Code |
|------------------|--------------------------------------|
| Sony | 801 (preset code for remote control) |
| General Electric | 802 |
| RCA/PROSCAN | 802 |

Operating a cable box or DBS receiver

- 1 Press DBS/CABLE (POWER) [Green Button] to turn on/off the cable box or DBS receiver.
- 2 Press DBS/CABLE (FUNCTION).
- 3 For other operations, refer to the operating instructions that come with the equipment. Blue-labeled buttons such as the GUIDE button can be used only with a DBS receiver.

If the remote control doesn't work

Try repeating the set up procedures using the other codes listed for your equipment.

To operate the projection TV

Press TV (FUNCTION). Then use the projection TV control buttons to control the projection TV.

Tips

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's own remote control unit.
- Whenever you remove the batteries — to replace them, for example — if too much time is taken, the code numbers may revert to the factory setting and must be reset.

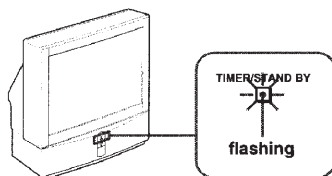
Additional Information

Troubleshooting

If, after reading the following instructions, you have additional questions related to the use of your Sony projection TV, please call one of the following numbers (English only). Customers in the continental United States contact the Direct Response Center at: 1-800-222-SONY (7669). Customers in Canada contact the Customer Relations Center at: (416) 499-SONY (7669).

The picture turns off and the TIMER/STAND BY indicator on the front panel flashes (self-diagnosis function)

- The projection TV is equipped with a self-diagnosis function. If there is a problem with your projection TV, the TIMER/STAND BY indicator on the front panel will flash repeatedly. Counting the number of flashes helps you inform qualified Sony personnel of the projection TV's condition.



- 1 Count how many times the TIMER/STAND BY indicator flashes in total. It flashes twice at 3 seconds' intervals. If, for example, the indicator flashes twice, stops flashing for 3 seconds, and flashes twice again, that counts as twice.
- 2 Press POWER on the projection TV to turn it off, then inform qualified Sony personnel or the above Direct Response Center of the number of flashes.

No picture (screen not lit), no sound

- Make sure the power cord is plugged in.
- Operate with the buttons on both the projection TV and the remote control.
- Check to see if the TV/VIDEO setting is correct: when watching TV, set to TV, and when watching video tapes, set to VIDEO 1, 2, 3, 4 or 5.
- Try another channel. *It could be station trouble.*
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 24)
- The PARENTAL CONTROL feature is activated. (see "Using the PARENTAL CONTROL Feature" on page 43)

Remote control does not operate.

- Batteries could be weak. Replace the batteries.
- Press TV (FUNCTION) when operating your projection TV.
- Make sure the projection TV's power cord is connected securely to the wall outlet.
- Locate the projection TV at least 3-4 feet away from fluorescent lights.
- Check the polarity of the batteries.

Dark, poor or no picture (screen lit), good sound

- Adjust PICTURE in the VIDEO menu. (see "PICTURE" on page 34)
- Adjust BRIGHTNESS in the VIDEO menu. (see "BRIGHTNESS" on page 34)
- Check antenna/cable connections.
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 24)
- Adjust the convergence again using the FLASH FOCUS button. (see "Adjusting the Convergence Automatically (FLASH FOCUS)" on page 24)

Good picture, no sound

- Press MUTING so that "MUTING" disappears from the screen. (see "MUTING" on page 25)
- Check the MTS setting in the AUDIO menu. (see "MTS" on page 35)
- Make sure SPEAKER is set to ON in the AUDIO menu. (see "SPEAKER" on page 36)
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 24).

Cannot receive digital channels (when a DTV receiver is connected)

- ➔ Check the connections between the DTV receiver and the projection TV. (see pages 11 and 12)
- ➔ Check your local listings to find out if you can receive digital broadcasts in your area.

The color of the digital TV program is not correct

- ➔ Check the DTV INPUT setting in the SET UP menu. (see "DTV INPUT" on page 43)

Cannot receive upper channels (UHF) when using an antenna

- ➔ Make sure CABLE is OFF in the CHANNEL SET UP menu. (see "CABLE" on page 38)
- ➔ Use AUTO PROGRAM to add receivable channels that are not presently in the TV's memory. (see "AUTO PROGRAM" on page 38)

No color

- ➔ Adjust the COLOR in the VIDEO menu. (see "COLOR" on page 34)
- ➔ Black and white programs cannot be seen in color.
- ➔ Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 24)

Only snow and noise appear on the screen

- ➔ Check the CABLE setting in the CHANNEL SET UP menu. (see "CABLE" on page 38)
- ➔ Check the antenna/cable connections.
- ➔ Make sure the channel is broadcasting programs.
- ➔ Press ANT to change the input mode. (see "ANT" on page 25)

Dotted lines or stripes

- ➔ Adjust the antenna.
- ➔ Keep the projection TV away from noise sources such as cars, neon signs or hair-dryers.

TV is fixed to one channel

- ➔ Use AUTO PROGRAM to add receivable channels that are not presently in TV's memory. (see "AUTO PROGRAM" on page 38)
- ➔ Try turning CHANNEL FIX off. (see "CHANNEL FIX" on page 38)

Double images or ghosts

- ➔ Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearby mountains or tall buildings).

Cannot operate the menu

- ➔ If the item you want to choose appears in gray, you cannot select it.
- ➔ Press the projection TV's power button off and on again.

Cannot receive any channels when using cable TV

- ➔ Check the connection with a cable box again. (see pages 8 and 10)
- ➔ Make sure CABLE is ON in the CHANNEL SET UP menu. (see "CABLE" on page 38)
- ➔ Use AUTO PROGRAM to add receivable channels that are not presently in the TV's memory. (see "AUTO PROGRAM" on page 38)

Cannot gain enough volume when using a cable box

- ➔ Increase the volume at the cable box. Then press TV (FUNCTION) and adjust the projection TV's volume.

CHANNEL INDEX does not display all available channels

- ➔ Make sure CABLE is ON in the CHANNEL SET UP menu. (see "CABLE" on page 38)
- ➔ Use AUTO PROGRAM to add receivable channels that are not presently in the TV's memory. (see "AUTO PROGRAM" on page 38)

(continued)

FAVORITE CHANNEL does not display your choices

- ➔ Verify that FAVORITE CHANNEL is set to MANUAL in the CHANNEL SET UP menu. (see "Setting FAVORITE CHANNEL manually" on page 39)

Some video sources do not appear when you press TV/VIDEO

- ➔ Ensure that VIDEO LABEL is not set to SKIP. (see "VIDEO LABEL" on page 42)

Recording through SELECT OUT does not function properly when recording in PIP or P&P mode

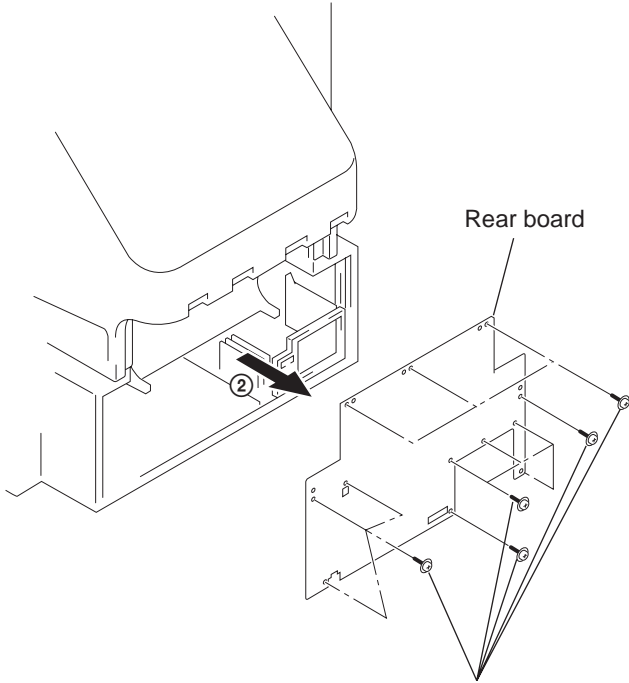
- ➔ SELECT OUT will not record both images in PIP or P&P. Only the main picture will be recorded.
- ➔ If you are recording the main picture and you switch to the sound of the sub picture using the AUDIO button, the main picture will be recorded with sound from the other program.

Cannot play shooting games

- ➔ Some shooting games which involve pointing a light beam at the TV screen with an electronic gun or rifle cannot be used with this projection TV. For details, see the instruction manual supplied with the video game software.

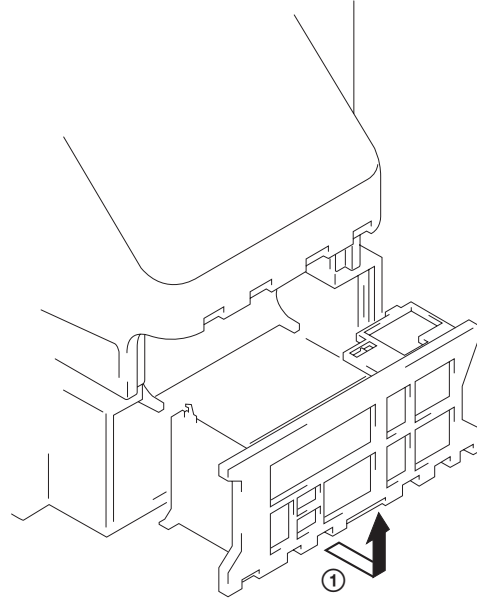
SECTION 2 DISASSEMBLY

2-1. REAR BOARD REMOVAL

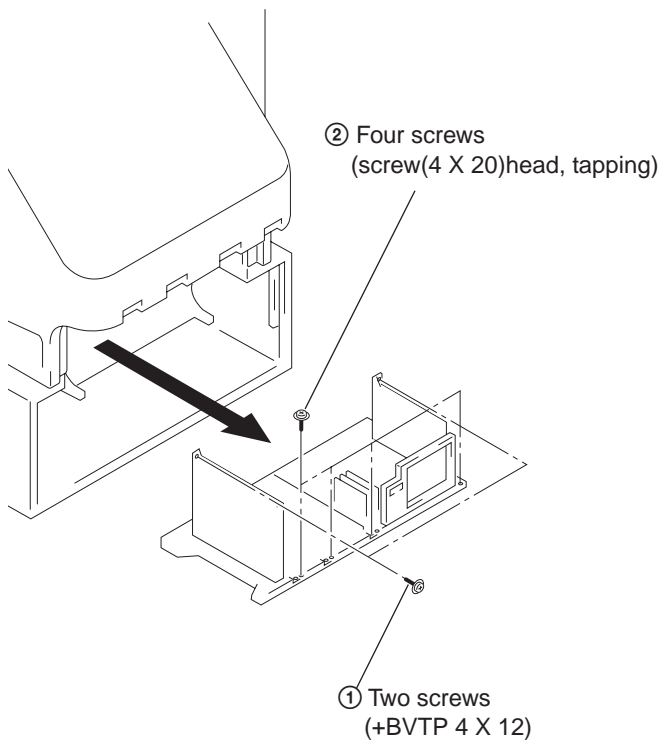


- ① Fourteen screws (KP-53HS10)
 Thirteen screws (KP-61HS10)
 (screw(4 X 20), tapping)

2-3. SERVICE POSITION



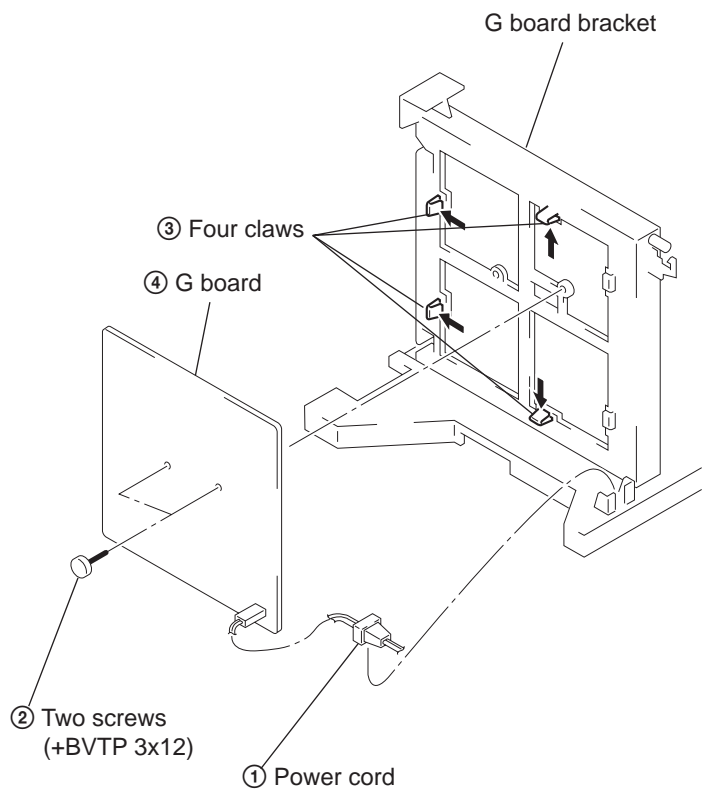
2-2. MAIN BRACKET REMOVAL



- ② Four screws
 (screw(4 X 20)head, tapping)

- ① Two screws
 (+BVTP 4 X 12)

2-4. G BOARD REMOVAL



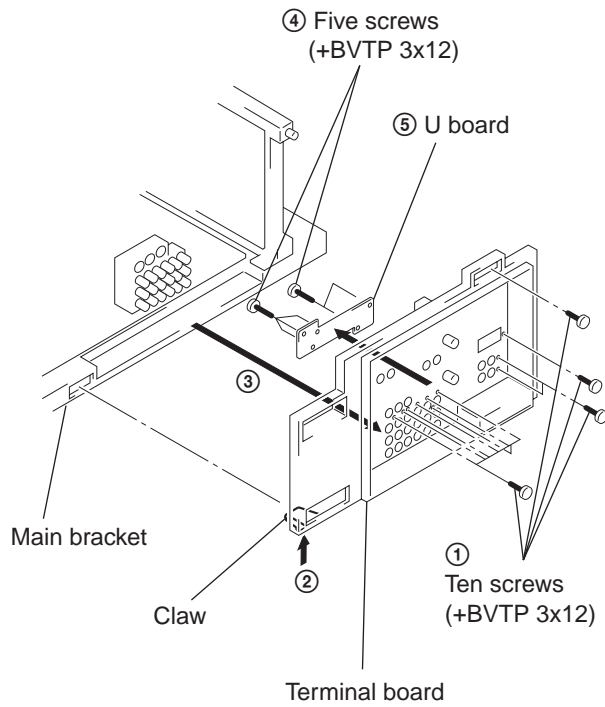
- ③ Four claws

- ④ G board

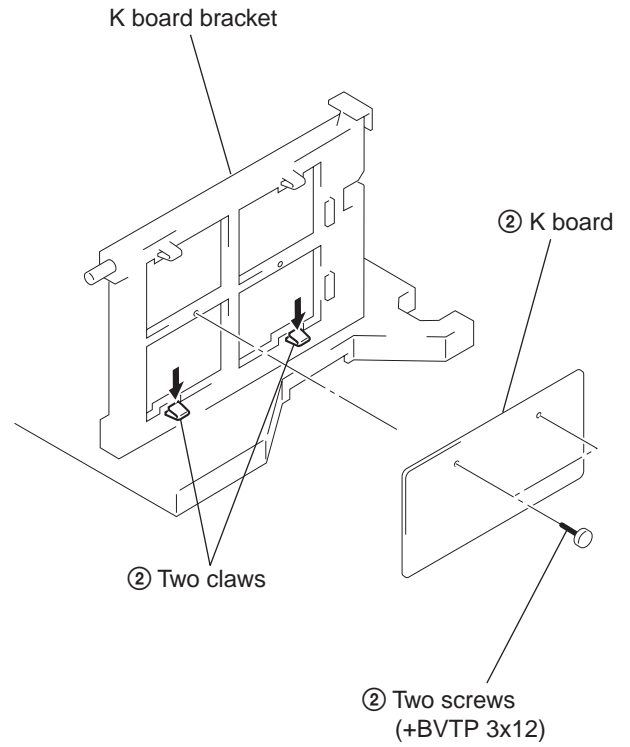
- ② Two screws
 (+BVTP 3x12)

- ① Power cord

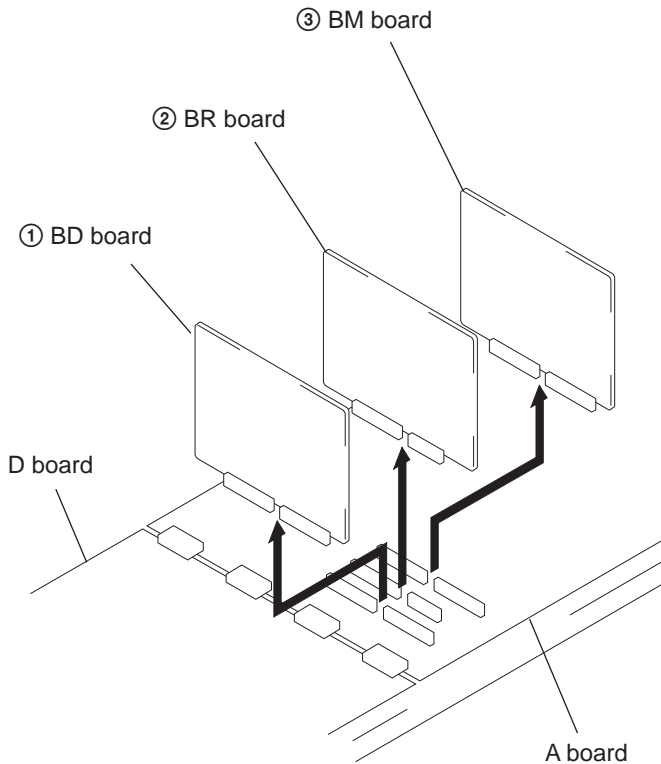
2-5. TERMINAL BOARD AND U BOARD REMOVAL



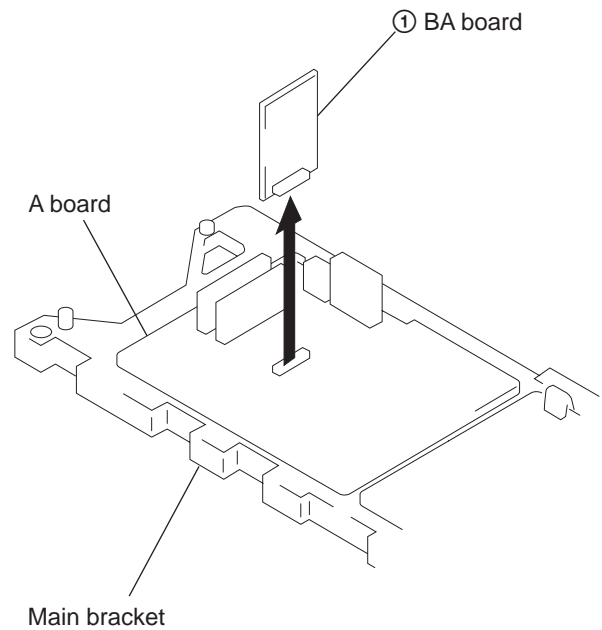
2-7. K BOARD REMOVAL



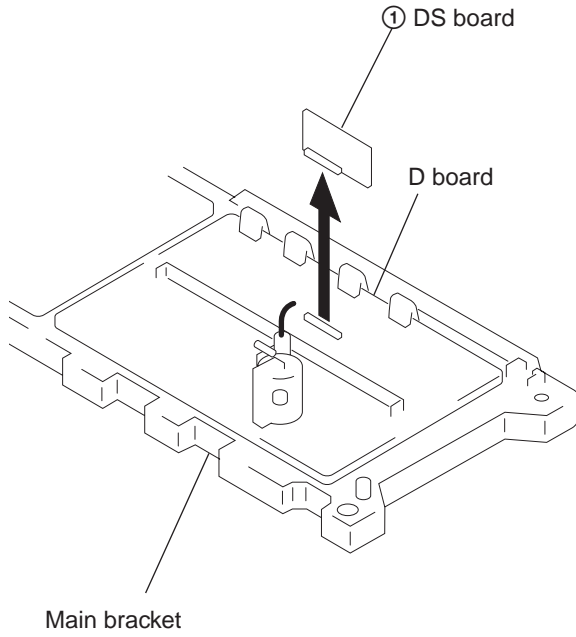
2-6. BM, BR AND BD BOARD REMOVAL



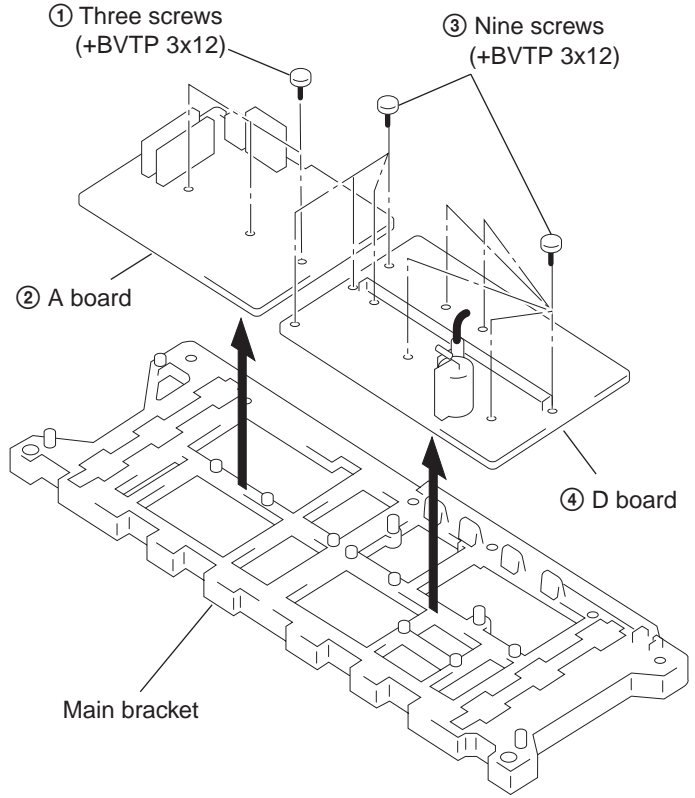
2-8. BA BOARD REMOVAL



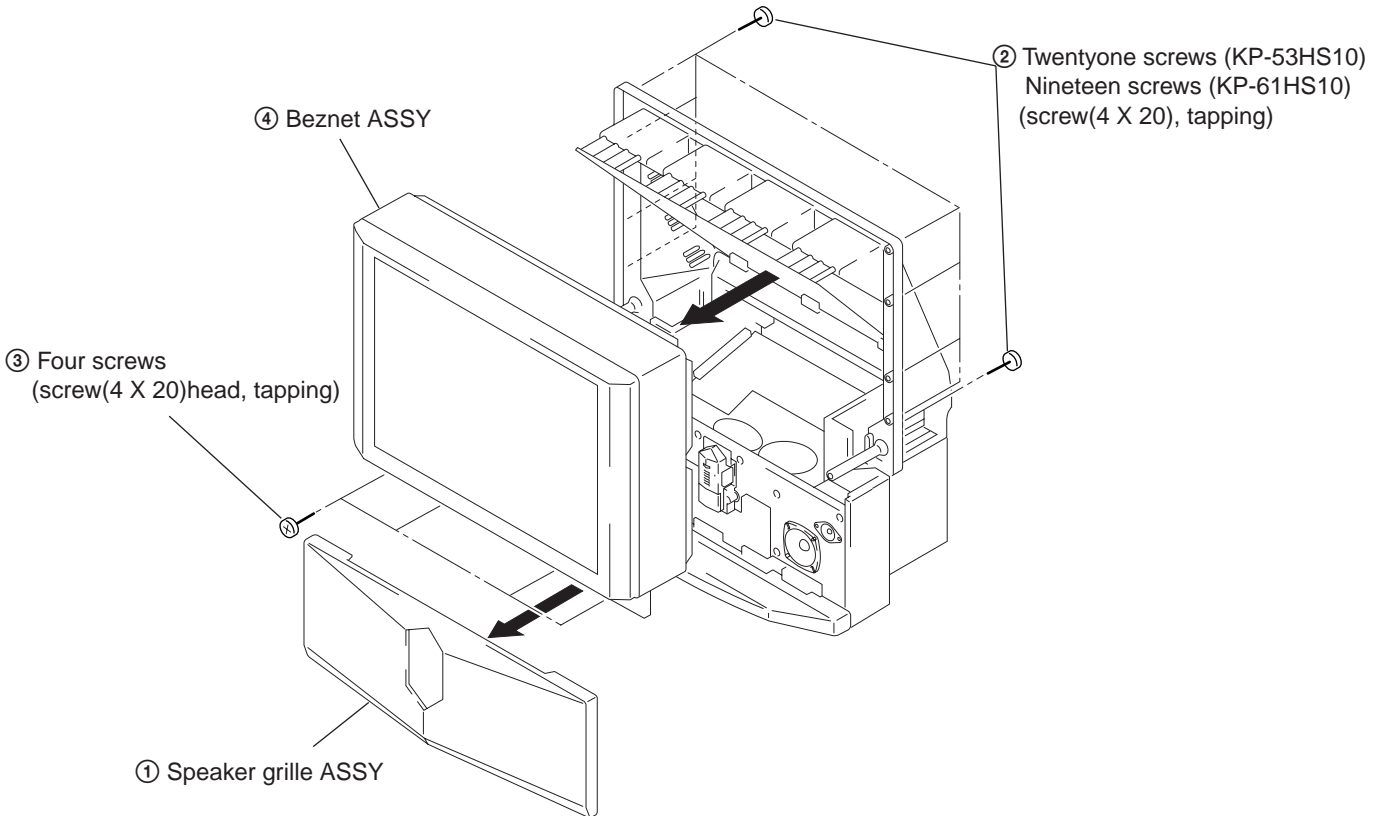
2-9. DS BOARD REMOVAL



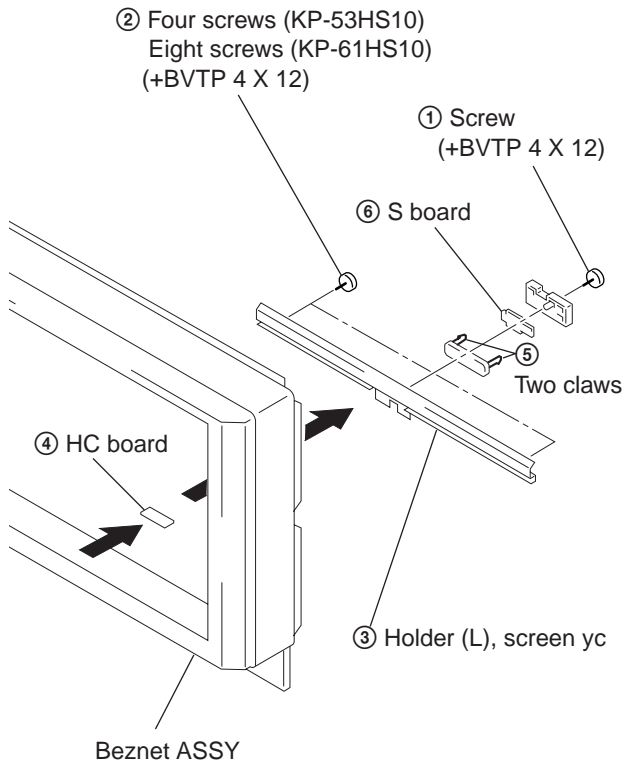
2-10. A AND D BOARD REMOVAL



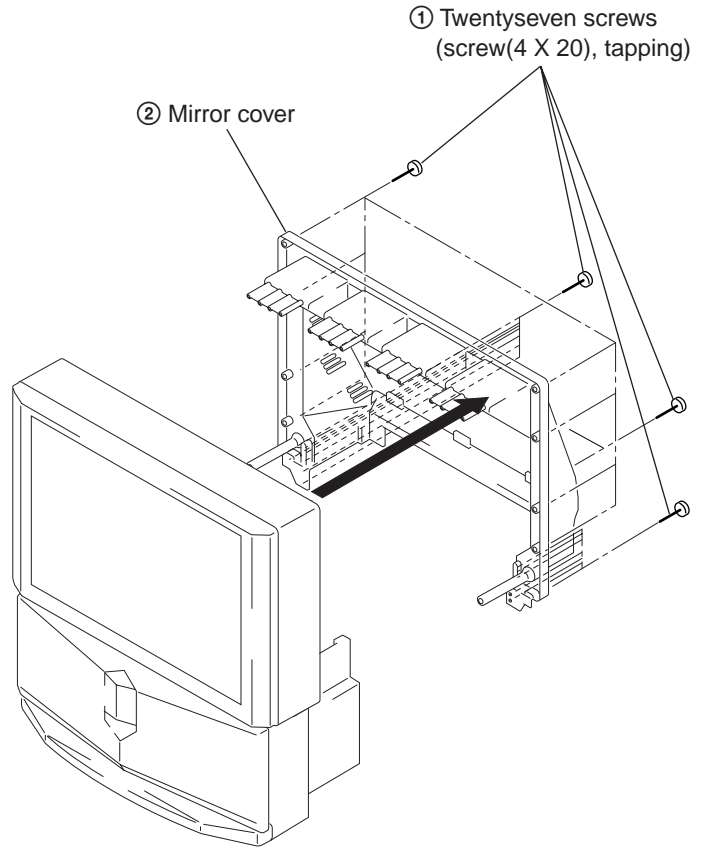
2-11. BEZNET ASSY REMOVAL



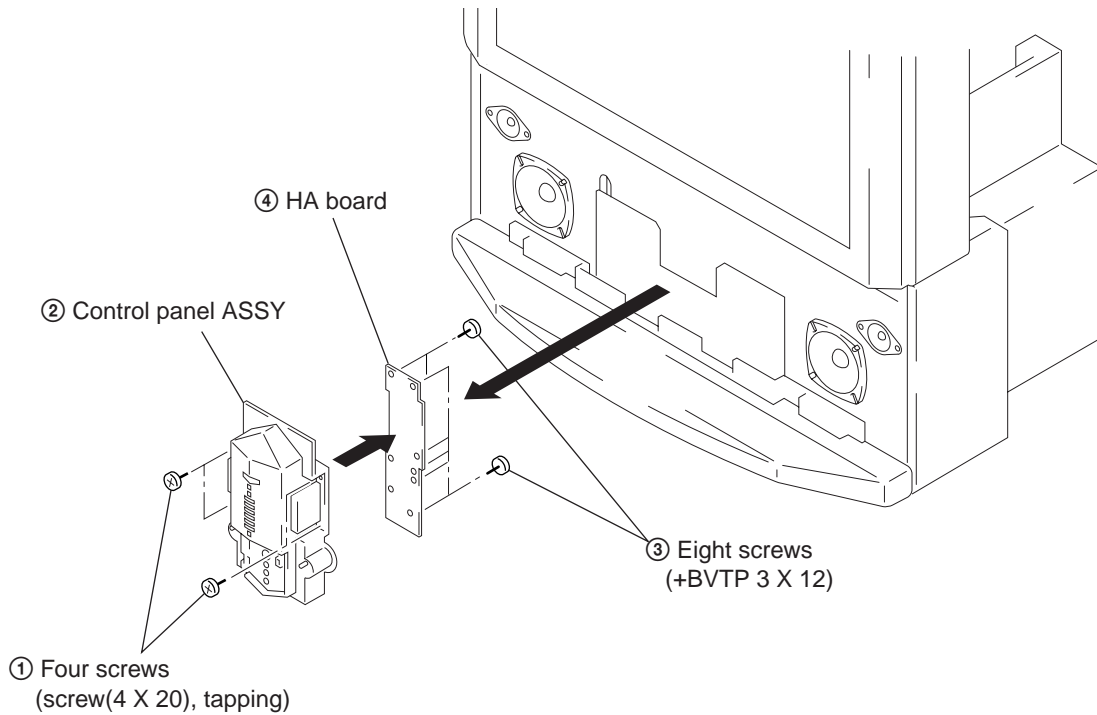
2-12. HC AND S BOARD REMOVAL



2-13. MIRROR COVER REMOVAL

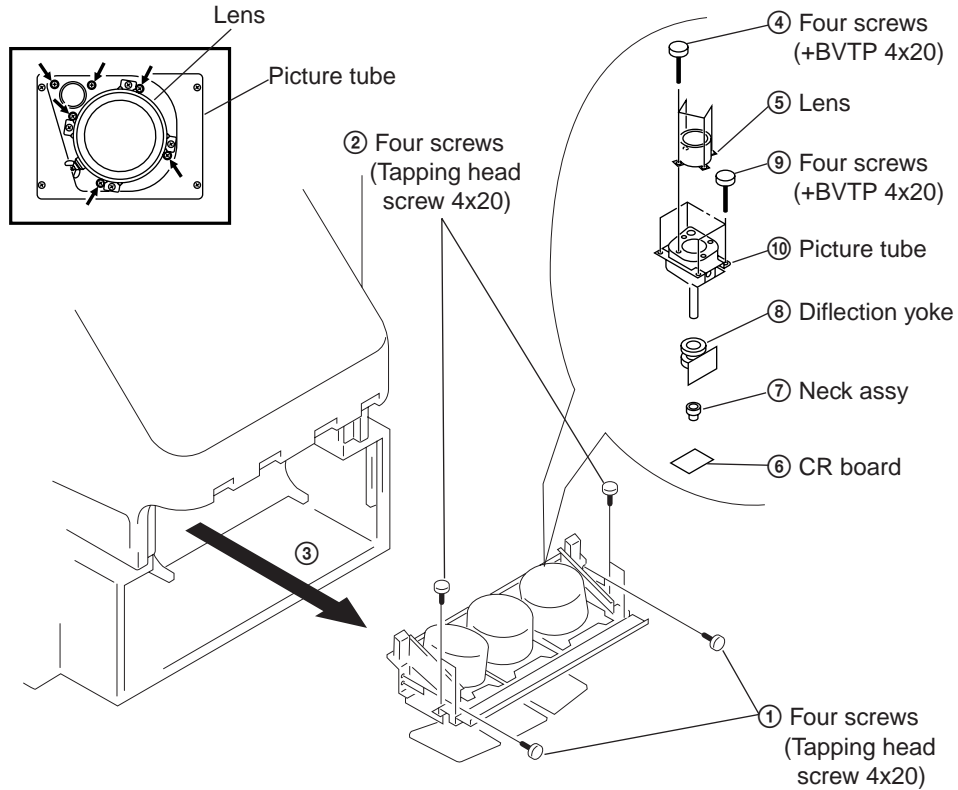


2-14. HA BOARD REMOVAL



2-15. PICTURE TUBE REMOVAL

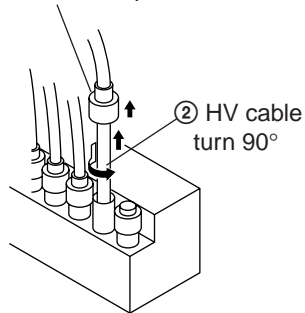
CAUTION: Removing the arrow-marked screws is strictly prohibited. If removed, it may cause liquid spill.



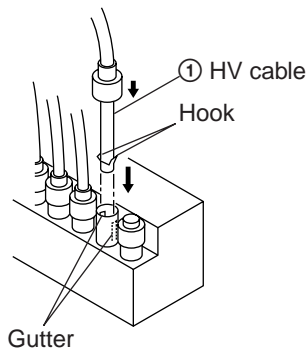
2-16. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL

(1) Removal

① Rubber cap



(2) Installation

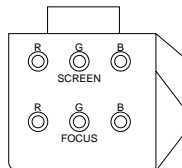


SECTION 3

SET-UP ADJUSTMENTS

3-1. SCREEN VOLTAGE ADJUSTMENT (COARSE ADJUSTMENT)

1. Receive the Monoscope signal.
2. Set 50% BRIGHTNESS and minimum PICTURE.
3. Turn the red VR on the FOCUS block all the way to the left and then gradually turn it to the right until the point where you can see the retrace line.
4. Next gradually turn it to the left to the position where the retrace line disappears.



FOCUS block

Fig. 3-1

3-2. SCREEN (G2) ADJUSTMENT (FINE ADJUSTMENT)

Fine Mode is recommended to set screen controls to their optimal condition. It is necessary to build the simple jig, illustrated below, using 3-watt resistors. Please note, that if the proper voltage is not obtained with their listed values, resistors, then please increase or decrease one of the values in the resistor network to obtain the correct voltage.

1. Select VIDEO1 mode without signals.
2. Connect G2 JIG.
3. SW on JIG.
4. Connect an oscilloscope to the TP7103(KR), TP7203(KG) and TP7303(KB) of CR board, CG board and CB board.
5. Adjust R, G and B screen voltage to $175 \pm 2V$ with screen VR on the Focus block.

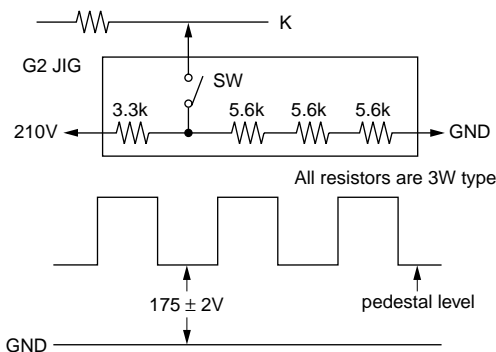


Fig. 3-2

3-3. DEFLECTION YOKE TILT ADJUSTMENT

1. Receive the Monoscope signal.
2. Set in service mode.
3. Cover the both red and blue picture lenses with the lens caps to show only the green color.
4. Loosen the deflection yoke set screw and align the tilt of the Deflection Yoke so that the bars at the center of the monoscope pattern are horizontal.
5. After aligning the deflection yoke, fasten it securely to the funnel-shaped portion (neck) of the CRT.
6. The tilt of the deflection yoke for red is aligned in the mode Cover the both green and blue picture lenses with the lens caps and the tilt of the deflection yoke for blue is aligned with in

the mode Cover the both green and red picture lenses with the lens caps is aligned the same as was done for green.

Note: Instead of items 3 and 6, you can cut off the unnecessary color beams by controlling the service mode MCP1 07 RON, 08GON, and 09BON. 4-pole magnet

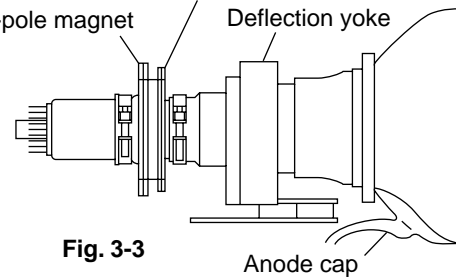


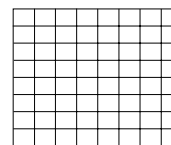
Fig. 3-3

3-4. FOCUS LENS ADJUSTMENT

In this adjustment, use the remote commander in the service mode.

For details of the usage of the service mode and the remote commander, please refer the item 3-9. ELECTRICAL ADJUSTMENT BY REMOTE COMMANDER.

1. Loosen the lens screw.
2. Set to the service mode.
3. Receive the all-white signal.
4. Cover the both red and blue picture lenses with the lens caps to show only the green color.
5. Set to PJE, and press 6 to display the test signal (crosshatch)** on the screen.
6. Turn the green lens to adjust to the optimum focus point with the test signal.
7. Tighten the lens screw.
8. Cover the both green and blue picture lenses with the lens caps to show only the red color.
9. Set to PJE, and press 6 to display the test signal (crosshatch)** on the screen.
10. Adjust red CRT lens just the same as green.
11. Cover the both green and red picture lenses with the lens caps to show only the blue color.



Test signal

Fig. 3-4

12. Set to PJE, and press 6 to display the test signal (crosshatch)** on the screen.
13. Adjust blue CRT lens just the same as green.
14. After adjusting the items 3-5. Focus VR Adjustment, 3-6. 2-Pole Magnet Adjustment and 3-7. 4-Pole Magnet Adjustment, adjust again to the optimum focus point.

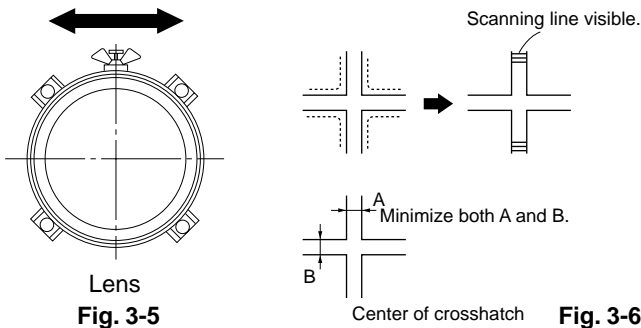
*: Every time you press 6, the test signal changes to "crosshatch+video signal" - "dots+video signal" - "crosshach(black)" - "dots(black)" - off.

Note: Instead of items 4, 8 and 11, you can cut off the unnecessary color beams by controlling the service mode MCP1 07 RON, 08GON, and 09BON.

3-5. FOCUS VR ADJUSTMENT

1. Set to the service mode.
2. Receive the all-white signal.
3. Cover the both red and blue picture lenses with the lens caps to show only the green color.
4. Set to PJE, and press 6 to display the test signal (crosshatch) on the screen.
5. Turn the green focus VR on the focus block to adjust to the optimum focus point with the test signal.
6. Cover the both green and blue picture lenses with the lens caps to show only the red color.
7. Set to PJE, and press 6 to display the test signal (crosshatch) on the screen.
8. Turn the red focus VR on the focus block to adjust to the optimum focus point with the test signal.
9. Cover the both green and red picture lenses with the lens caps to show only the blue color.
10. Set to PJE, and press 6 to display the test signal (crosshatch) on the screen.
11. Turn the blue focus VR on the focus block to adjust to the optimum focus point with the test signal.
12. After adjusting the items 3-4. Focus Lens Adjustment, 3-6. 2-Pole Magnet Adjustment and 3-7. 4-Pole Magnet Adjustment, adjust again to the optimum focus point.

Note: Instead of items 3, 6 and 9, you can cut off the unnecessary color beams by controlling the service mode MCP1 07 RON, 08 GON, and 09 BON.



3-6. 2-POLE MAGNET ADJUSTMENT (GREEN, RED)

1. Receive the Dot signal.
2. Set in service mode.
3. Cover the both red and blue picture lenses with the lens caps to show only the green color.
4. Turn the green focus VR on the focus block to the right and set to overfocus to enlarge the spot.
5. Now align the 2-Pole Magnet so that the enlarged spot is in the center of the Just Focus spot.
6. Align the green focus VR and set for just (precise) focus.
7. Perform the same alignment for red.

Use the center dot

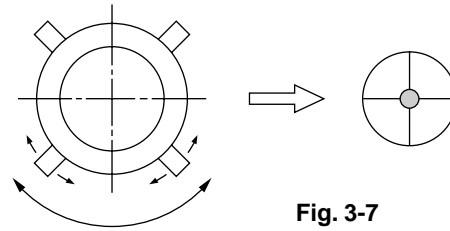


Fig. 3-7

3-7. 4-POLE MAGNET ADJUSTMENT

1. Receive the Dot signal.
2. Set in service mode.
3. Cover the both red and blue picture lenses with the lens caps to show only the green color.
4. Turn the green focus VR on the focus block to the left and set to underfocus to enlarge the spot.
5. Now align the 4-Pole Magnet so that the enlarged spot becomes a perfect circle for green and red.
6. Perform the same alignment for blue.

Use the center dot

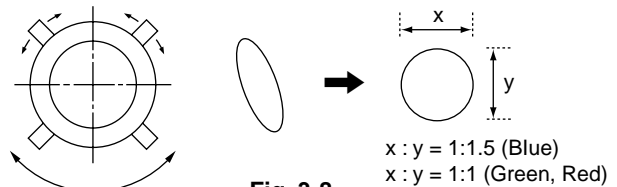


Fig. 3-8

3-8. DEFOCUS ADJUSTMENT (BLUE)

Note: Please adjust the blue dot to be slightly larger than red and green dots. This adjustment provides a more pleasing picture to the customer.

1. Select the video menu and set the mode to "VIVID" mode.
2. Set to the service mode.
3. Change TV mode to the video input mode.
4. Set to PJE, and press 6 to display the test signal (dots) on the screen.
5. Turn the blue focus VR on the focus block to adjust to the diameter of the dots as shown in the figure below.

[Focus adjustment point]

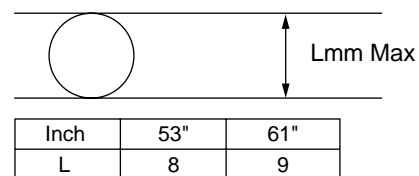


Fig. 3-9

3-9. ELECTRICAL ADJUSTMENT BY REMOTE COMMANDER

By using Remote Commander (RM-Y902), all circuit adjustments can be made.

NOTE : Test Equipment Required.

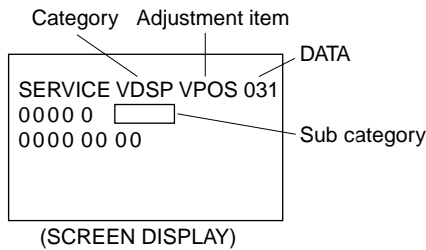
1. Pattern Generator (with component outputs)
2. Frequency counter
3. Digital multimeter
4. Audio oscillator

1. METHOD OF SETTING THE SERVICE ADJUSTMENT MODE

SERVICE MODE PROCEDURE

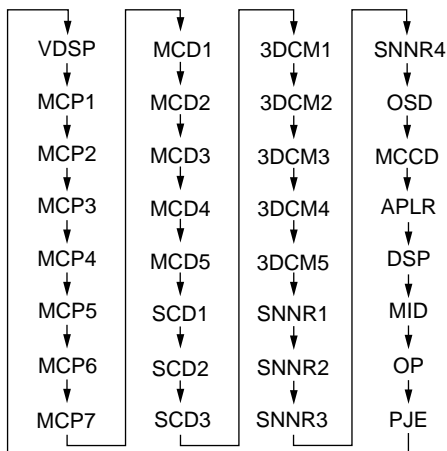
1. Standby mode. (Power off)
2. **DISPLAY** → **5** → **VOL (+)** → **TV POWER** on the Remote Commander.
(Press each button within a second.)

SERVICE MODE ADJUSTMENT



3. The SCREEN displays the item being adjusted.
4. Press **1** or **4** on the Remote Commander to select the adjustment item.
5. Press **3** or **6** on the Remote Commander to change the data.
6. Press **2** or **5** on the Remote Commander to select the category.

Every time you press 2(Category up), Service mode changes in the order as shown below.



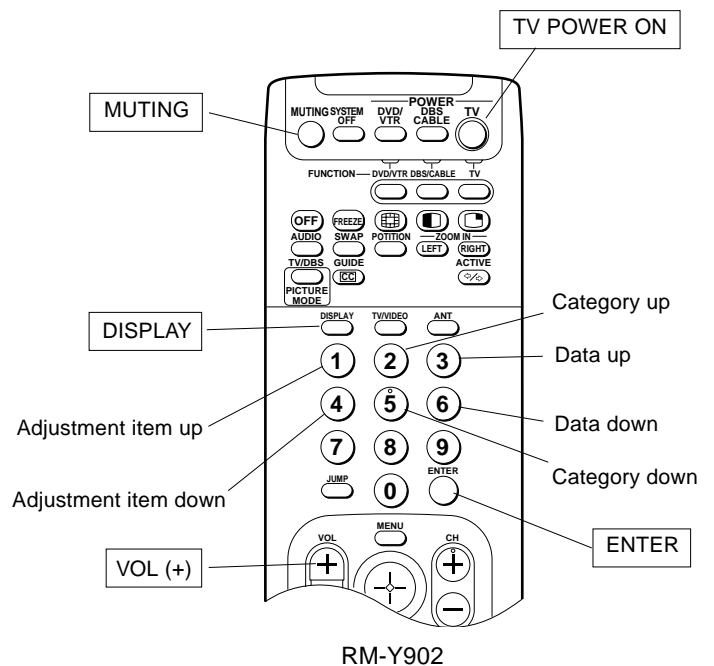
7. If you want to recover the latest values press **0** then **ENTER** to read the memory.
8. Press **MUTING** then **ENTER** to write into memory.
9. Turn power off.

Note: Press **8** then **ENTER** on the Remote Commander to initialize or turn set off and on to exit.

2. MEMORY WRITE CONFIRMATION METHOD

1. After adjustment, remove the plug from AC outlet, and then replace the plug in AC outlet again.
2. Turn the power switch ON and set to Service Mode.
3. Call the adjusted items again and confirm they were adjusted.

3. ADJUSTING BUTTONS AND INDICATOR



Note : When the PJE mode is activated, which displays an internally generated signal, several buttons on the remote commander will have different functions than listed above. Therefore, when in the PJE mode, refer to page 49 for button functions.

4. SERVICE MODE LIST

- Note: • shaded items are fixed. There is no need to change data. Others are different a little in the sets individually. Basically, there is no need to change data, too.
- Usually, there is no need to adjust except for VDSP and PJE. Use data as a reference in case of replacing printed circuit boards or devices.
- () in the category column is the sub category.

VDSP (Vertical Deflection Signal Processor)

() : 1080I

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|------------------|------------------|----------|
| VDSP | 00 | VPOS | 31 | 0-63 | V SHIFT | CXD2018Q |
| | 01 | VANG | 7 | 0-15 | V ANGLE | |
| | 02 | VBOW | 7 | 0-15 | V BOW | |
| | 03 | VLIN | 7 | 0-15 | V LIN | |
| | 04 | VSIZ | 31 (10) | 0-63 | V SIZE | |
| | 05 | VSCO | 7 | 0-15 | S CORRECTION | |
| | 06 | HPOS | 41 | 0-63 | H SHIFT | |
| | 07 | HSIZ | 31 | 0-63 | H SIZE | |
| | 08 | HKEY | 11 | 0-15 | TILT | |
| | 09 | PAMP | 15 | 0-63 | PIN AMP | |
| | 10 | UPIN | 7 | 0-15 | UPPER CORNER PIN | |
| 11 | LPIN | 7 | 0-15 | LOWER CORNER PIN | | |

MCP (Multi Component Processor)

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|------------|---------------------------|-----------|
| MCP 1 | 00 | RDRV | 31 | 0-63 | R DRIVE | CXA2101AQ |
| | 01 | GDRV | 31 | 0-63 | G DRIVE | |
| | 02 | BDRV | 31 | 0-63 | B DRIVE | |
| | 03 | RCUT | 31 | 0-63 | R CUTOFF | |
| | 04 | GCUT | 10 | 0-63 | G CUTOFF | |
| | 05 | BCUT | 31 | 0-63 | B CUTOFF | |
| | 06 | P ON | 1 | 0,1 | PICON | |
| | 07 | R ON | 1 | 0,1 | R ON | |
| | 08 | G ON | 1 | 0,1 | G ON | |
| | 09 | B ON | 1 | 0,1 | B ON | |
| | 10 | PABL | 15 | 0-15 | PEAK ABL LEVEL | |
| | 11 | LTI L | 0 | 0-3 | LTI LEVEL | |
| | 12 | CTI L | 0 | 0,1 | CTI LEVEL | |
| | 13 | LIMT | 2 | 0-3 | INPUT LEVEL LIMIT | |
| | 14 | CBO1 | 7 | 0-15 | CB OFFSET 1 | |
| | 15 | CRO1 | 7 | 0-15 | CR OFFSET 1 | |
| | 16 | CBO2 | 7 | 0-15 | CB OFFSET 2 | |
| | 17 | CRO2 | 7 | 0-15 | CR OFFSET 2 | |
| | 18 | DCTR | 1 | 0-3 | DC TRAN | |
| | 19 | DPIC | 1 | 0-3 | D PIC | |
| | 20 | ABLT | 3 | 0-3 | ABL T/H (ACTIVE ON 16 :9) | |
| | 21 | VTC | 2 | 0-3 | V SYNC SFP TC | |
| | 22 | CBO3 | 7 | 0-15 | CB OFFSET3 | |
| 23 | CRO3 | 7 | 0-15 | CR OFFSET3 | | |

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|-----------------------|-------------|---------------------|-------------------|--------------------------|---------------------------|--------|
| MCP2 (DRC/480ip) | 00 | SCON | 5 | 0-15 | SUB CONTRAST | |
| | 01 | SBRT | 31 | 0-63 | SUB BRIGHTNESS | |
| | 02 | SHUE | 7 | 0-15 | SUB HUE | |
| | 03 | SCOL | 12 | 0-15 | SUB COLOR | |
| MCP3 (1080i) | 00 | SCON | 3 | 0-15 | SUB CONTRAST | |
| | 01 | SBRT | 31 | 0-63 | SUB BRIGHTNESS | |
| | 02 | SHUE | 7 | 0-15 | SUB HUE | |
| | 03 | SCOL | 5 | 0-15 | SUB COLOR | |
| MCP 4 (TV) | 00 | SSHP | 3 | 0-3 | SUB SHARPNESS | |
| | 01 | SHPF | 1 | 0-3 | SHARPNESS f0 | |
| | 02 | VMDL | 3 | 0-3 | VM DELAY | |
| | 03 | SYS | 1 | 0-3 | SYSTEM | |
| MCP 5 (VIDEO) | 00 | SSHP | 3 | 0-3 | SUB SHARPNESS | |
| | 01 | SHPF | 1 | 0-3 | SHARPNESS f0 | |
| | 02 | VMDL | 3 | 0-3 | VM DELAY | |
| | 03 | SYS | 1 | 0-3 | SYSTEM | |
| MCP 6 (1080 - 480) | 00 | SSHP | 3 | 0-3 | SUB SHARPNESS | |
| | 01 | SHPF | 2 | 0-3 | SHARPNESS f0 | |
| | 02 | VMDL | 3 | 0-3 | VM DELAY | |
| | 03 | SYS | 1 | 0-3 | SYSTEM | |
| MCP 7 | 00 | | 63 | 0-63 | USER PICTURE(VIVID) | |
| | | | 44 | 0-63 | USER PICTURE(STANDARD) | |
| | | | 40 | 0-63 | USER PICTURE(MOVIE) | |
| | | | 38 | 0-63 | USER PICTURE(GAME) | |
| | 38 | 0-63 | USER PICTURE(PRO) | | | |
| | 01 | UBRT | 28 | 0-63 | USER BRIGHTNESS(VIVID) | |
| | | | 31 | 0-63 | USER BRIGHTNESS(STANDARD) | |
| | | | 31 | 0-63 | USER BRIGHTNESS(MOVIE) | |
| | | | 27 | 0-63 | USER BRIGHTNESS(GANE) | |
| | | | 31 | 0-63 | USER BRIGHTNESS(PRO) | |
| | 02 | UCOL | 31 | 0-63 | USER COLOR(VIVID) | |
| | | | 31 | 0-63 | USER COLOR(STANDARD) | |
| | | | 31 | 0-63 | USER COLOR(MOVIE) | |
| | | | 31 | 0-63 | USER COLOR(GAME) | |
| | | | 31 | 0-63 | USER COLOR(PRO) | |
| | | | 31 | 0-63 | USER COLOR(PRO) | |
| 03 | USHP | 40 | 0-63 | USER SHARPNESS(VIVID) | | |
| | | 40 | 0-63 | USER SHARPNESS(STANDARD) | | |
| | | 33 | 0-63 | USER SHARPNESS(MOVIE) | | |
| | | 36 | 0-63 | USER SHARPNESS(GAME) | | |
| 40 | 0-63 | USER SHARPNESS(PRO) | | | | |

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|-------------------------|--------------------------------|--------|
| | 04 | UTRI | 2 | 0-3 | USER TRINITONE(VIVID) | |
| | | | 1 | 0-3 | USER TRINITONE(STANDARD) | |
| | | | 0 | 0-3 | USER TRINITONE(MOVIE) | |
| | | | 2 | 0-3 | USER TRINITONE(GAME) | |
| | | | 1 | 0-3 | USER TRINITONE(PRO) | |
| | 05 | UNR | 0 | 0-3 | USER NR MODE(VIVID) | |
| | | | 0 | 0-3 | USER NR MODE(STANDARD) | |
| | | | 0 | 0-3 | USER NR MODE(MOVIE) | |
| | | | 0 | 0-3 | USER NR MODE(GAME) | |
| | | | 0 | 0-3 | USER NR MODE(PRO) | |
| | 06 | UDPI | 1 | 0,1 | USER DYNAMIC PICTURE(VIVID) | |
| | | | 1 | 0,1 | USER DYNAMIC PICTURE(STANDARD) | |
| | | | 0 | 0,1 | USER DYNAMIC PICTURE(MOVIE) | |
| | | | 0 | 0,1 | USER DYNAMIC PICTURE(GAME) | |
| | | | 1 | 0,1 | USER DYNAMIC PICTURE(PRO) | |
| 07 | UVML | 3 | 0-3 | USER VM LEVEL(VIVID) | | |
| | | 2 | 0-3 | USER VM LEVEL(STANDARD) | | |
| | | 1 | 0-3 | USER VM LEVEL(MOVIE) | | |
| | | 3 | 0-3 | USER VM LEVEL(GAME) | | |
| | | 1 | 0-3 | USER VM LEVEL(PRO) | | |

MCD (Main Chroma Decoder)

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------------------|-------------|-----------------|---------------|------------|--------------|-----------|
| MCD 1 (DRC-TV) | 00 | SCON | 5 | 0-15 | SUB CONTRAST | CXA2019AQ |
| | 01 | SHUE | 6 | 0-15 | SUB HUE | |
| | 02 | SCOL | 4 | 0-15 | SUB COLOR | |
| MCD 2 (P&P-TV) | 00 | SCON | 5 | 0-15 | SUB CONTRAST | |
| | 01 | SHUE | 6 | 0-15 | SUB HUE | |
| MCD 3 (DRC-VIDEO) | 02 | SCOL | 5 | 0-15 | SUB COLOR | |
| | 00 | SCON | 5 | 0-15 | SUB CONTRAST | |
| MCD 4 (P&P-VIDEO) | 01 | SHUE | 7 | 0-15 | SUB HUE | |
| | 02 | SCOL | 7 | 0-15 | SUB COLOR | |
| MCD 5 | 00 | MYDR | 3 | 0-31 | YDRIVE | |
| | 01 | Y2DR | 31 | 0-31 | Y2 DRIVE | |
| | 02 | U2DR | 15 | 0-31 | U2 DRIVE | |
| | 03 | V2DR | 15 | 0-31 | V2 DRIVE | |
| | 04 | MUPE | 7 | 0-15 | U PED | |
| | 05 | MVPE | 7 | 0-15 | V PED | |
| | 06 | U2PE | 7 | 0-15 | U2 PED | |
| | 07 | V2PE | 7 | 0-15 | V2 PED | |
| | 08 | DPIC | 1 | 0,1 | D PIC | |
| 09 | DCTR | 0 | 0-7 | DC TRAN | | |

SCD (Sub Chroma Decoder)

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|------------------|-------------|-----------------|---------------|------------|---------------------|-----------|
| SCD 1 (TV) | 00 | SCON | 6 | 0-15 | SUB CONTRAST(TV) | CXA2019AQ |
| | 01 | SHUE | 6 | 0-15 | SUB HUE(TV) | |
| | 02 | SCOL | 6 | 0-15 | SUB COLOR(TV) | |
| SCD 2 (VIDEO) | 00 | SCON | 6 | 0-15 | SUB CONTRAST(VIDEO) | |
| | 01 | SHUE | 6 | 0-15 | SUB HUE(VIDEO) | |
| | 02 | SCOL | 6 | 0-15 | SUB COLOR(VIDEO) | |
| SCD 3 | 00 | MYDR | 3 | 0-31 | YDRIVE | |
| | 01 | Y2DR | 31 | 0-31 | Y2 DRIVE | |
| | 02 | U2DR | 15 | 0-31 | U2 DRIVE | |
| | 03 | V2DR | 15 | 0-31 | V2 DRIVE | |
| | 04 | MUPE | 7 | 0-15 | U PED | |
| | 05 | MVPE | 7 | 0-15 | V PED | |
| | 06 | U2PE | 7 | 0-15 | U2 PED | |
| | 07 | V2PE | 7 | 0-15 | V2 PED | |
| | 08 | DPIC | 1 | 0,1 | D PIC | |
| 09 | DCTR | 0 | 0-7 | DC TRAN | | |

3DCM (3D Comb Filter)

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|------------------|-------------|-----------------|---------------|------------|------------------------|----------|
| 3DCM 1 (YCS) | 00 | NRMD | 0 | 0-3 | NRMD | UPD64081 |
| | 01 | DYCO | 2 | 0,1 | DYCOR | |
| | 02 | DYGA | 11 | 0-15 | DYGAIN | |
| | 03 | DCCO | 1 | 0,1 | DCCOR | |
| | 04 | DCGA | 12 | 0-15 | DCGAIN | |
| | 05 | SELD | 1 | 0,1 | SELD | |
| 3DCM 2 (YCNR) | 06 | D2GA | 4 | 0-7 | D2GAIN | |
| | 00 | NRMD | 3 | 0-3 | NRMD | |
| | 01 | DYCO | 2 | 0,1 | DYCOR | |
| | 02 | DYGA | 11 | 0-15 | DYGAIN | |
| | 03 | DCCO | 1 | 0,1 | DCCOR | |
| | 04 | DCGA | 12 | 0-15 | DCGAIN | |
| 3DCM 3 (TV) | 05 | SELD | 1 | 0,1 | SELD | |
| | 06 | D2GA | 4 | 0-7 | D2GAIN | |
| | 00 | WSC | 0 | 0-3 | WSC | |
| | 01 | VTRH | 1 | 0-3 | VTRH | |
| | 02 | VTRR | 1 | 0-3 | VTRR | |
| | 03 | LDSR | 3 | 0-3 | LDSR | |
| | 04 | YPFT | 3 | 0-3 | YPFT(TV:NR OFF) | |
| | 05 | YPFG | 12 | 0-15 | YPFG(TV:NR OFF) | |
| | 06 | YPFC | 0 | 0,1 | YPFT CORING(TV:NR OFF) | |

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------------|-------------|-----------------|---------------|----------------|---------------------------|--------|
| 3DCM 4 (VIDEO) | 00 | WSC | 0 | 0-3 | WSC | |
| | 01 | VTRH | 1 | 0-3 | VTRH | |
| | 02 | VTRR | 1 | 0-3 | VTRR | |
| | 03 | LDSR | 1 | 0-3 | LDSR | |
| | 04 | YPFT | 3 | 0-3 | YPFT(VIDEO:NR OFF) | |
| | 05 | YPFG | 12 | 0-15 | YPFG(VIDEO:NR OFF) | |
| | 06 | YPFC | 1 | 0,1 | YPFT CORING(VIDEO:NR OFF) | |
| 3DCM 5 | 00 | MSS | 0 | 0-3 | MSS | |
| | 01 | YNKI | 2 | 0-3 | YNRK & YNRIV | |
| | 02 | YNRL | 0 | 0-3 | YNRLIM | |
| | 03 | CNKI | 2 | 0-3 | CNRK & CNRINV | |
| | 04 | CNRL | 0 | 0-3 | CNRLIM | |
| | 05 | VIPS | 2 | 0-3 | VIPS | |
| | 06 | VEGS | 1 | 0-3 | VEGS | |
| | 07 | CC3N | 0 | 0,1 | CC3N | |
| | 08 | HDP | 4 | 0-7 | HDP | |
| | 09 | CDL | 3 | 0-7 | CDL | |
| | 10 | HSSL | 12 | 0-15 | HSSL | |
| | 11 | VSSL | 3 | 0-15 | VSSL | |
| | 12 | HPLF | 1 | 0,1 | HPLLFS | |
| | 13 | BPLF | 1 | 0,1 | BPLLFS | |
| | 14 | FSCF | 0 | 0,1 | FSCFG | |
| | 15 | EXAD | 1 | 0,1 | ADIN | |
| 16 | WSLT | 2 | 3 | WSL THRESHHOLD | | |

SNNR (Signal Noise and Noise Reduction)

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|------------|--------------------|--------|
| SNNR1 | 00 | SSHP | 3 | 0-3 | MCP SUB SHARPNESS | |
| | 01 | LTIL | 0 | 0-3 | MCP LTI | |
| | 02 | YPFT | 3 | 0-3 | 3DCM YPFT | |
| | 03 | YPFG | 10 | 0-15 | 3DCM YPFG | |
| | 04 | YPFC | 0 | 0,1 | 3DCM YPFC | |
| | 05 | WSLT | 15 | 0-255 | 3DCM WSL THRESHOLD | |
| SNNR2 | 00 | SSHP | 3 | 0-3 | MCP SUB SHARPNESS | |
| | 01 | LTIL | 0 | 0-3 | MCP LTI | |
| | 02 | YPFT | 3 | 0-3 | 3DCM YPFT | |
| | 03 | YPFG | 9 | 0-15 | 3DCM YPFG | |
| | 04 | YPFC | 0 | 0,1 | 3DCM YPFC | |
| | 05 | WSLT | 79 | 0-255 | 3DCM WSL THRESHOLD | |
| SNNR3 | 00 | SSHP | 3 | 0-3 | MCP SUB SHARPNESS | |
| | 01 | LTIL | 0 | 0-3 | MCP LTI | |
| | 02 | YPFT | 1 | 0-3 | 4DCM YPFT | |
| | 03 | YPFG | 7 | 0-15 | 4DCM YPFG | |
| | 04 | YPFC | 1 | 0,1 | 4DCM YPFC | |
| | 05 | WSLT | 175 | 0-255 | 4DCM WSL THRESHOLD | |
| SNNR4 | 00 | SSHP | 2 | 0-3 | MCP SUB SHARPNESS | |
| | 01 | LTIL | 0 | 0-3 | MCP LTI | |
| | 02 | YPFT | 1 | 0-3 | 4DCM YPFT | |
| | 03 | YPFG | 5 | 0-15 | 4DCM YPFG | |
| | 04 | YPFC | 1 | 0,1 | 4DCM YPFC | |

OSD (On Screen Display)

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|------------|------------|---------------------|
| OSD | 00 | FREQ | 95 | 0-255 | OSD FREQ | MB90091 & OSD U-COM |
| | 01 | HPOS | 26 | 0-255 | H POSITION | |
| | 02 | VPOS | 30 | 0-255 | V POSITION | |

MCCD (Main Closed Caption Decoder)

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|------------|---------------------------------|------------|
| MCCD | 00 | CRIL | 2 | 0-15 | CRI COUNT LOW | MAIN U-COM |
| | 01 | CFLD | 5 | 0-15 | CAPTION FIXED-FIELD COUNT | |
| | 02 | CCDI | 3 | 0-7 | CCD INT | |
| | 03 | CRIP | 4 | 0-7 | CRI & PARITY | |
| | 04 | CRIT | 1 | 0-3 | CRI TIME CONSTANT(MASK=1,OTP=2) | |
| | 05 | CSB1 | 3 | 0-3 | SYNC SLICE BIAS 1 | |

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|------------|-------------------------|--------|
| | 06 | CSB2 | 4 | 0-7 | SYNC SLICE BIAS 2 | |
| | 07 | CREP | 142 | 0-255 | CRI SIGNAL END POSITION | |
| | 08 | CDS2 | 8 | 0-31 | DATA START DELAY | |
| | 09 | CCDS | 9 | 0-31 | CAPTION DATA THRESHOLD | |
| | 10 | CHMK | 42 | 0-63 | P8 HMASK | |
| | 11 | CHSY | 136 | 0-255 | P8 HSYNC | |
| | 12 | CCDH | 27 | 0-63 | CCD H POSITION | |

APLR (Audio Processor Left and Right)

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|------------|------------|---------|
| APLR | 00 | SVOL | 0 | 0-15 | SUB VOLUME | TDA7312 |
| | 01 | ATTL | 0 | 0-15 | ATT LCH | |
| | 02 | ATTR | 0 | 0-15 | ATT RCH | |
| | 03 | SBAS | 7 | 0-15 | SUB BASS | |
| | 04 | STRE | 7 | 0-15 | SUB TREBLE | |

DSP (Digital Signal Processor)

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|------------|--------------------------------|---------|
| DSP | 1 | TB0H | 48 | 0-128 | TRUSURROUND EFFECT(L+R) COARSE | TC9447F |
| | 2 | TB0L | 0 | 0-128 | TRUSURROUND EFFECT(L+R) FINE | |
| | 3 | TB1H | 64 | 0-128 | TRUSURROUND EFFECT(L-R) COARSE | |
| | 4 | TB1L | 0 | 0-128 | TRUSURROUND EFFECT(L-R) FINE | |
| | 5 | TB2H | 64 | 0-128 | TRUSURROUND EFFECT(C) COARSE | |
| | 6 | TB2L | 0 | 0-128 | TRUSURROUND EFFECT(C) FINE | |
| | 7 | TBFH | 165 | 0-128 | TRUSURROUND EFFECT(S) COARSE | |
| | 8 | TBFL | 0 | 0-128 | TRUSURROUND EFFECT(S) FINE | |
| | 9 | TC0H | 90 | 0-128 | TRUSURROUND EFFECT(S) COARSE | |
| | 10 | TC0L | 126 | 0-128 | TRUSURROUND EFFECT(S) FINE | |
| | 11 | TC1H | 11 | 0-128 | TRUSURROUND EFFECT(L,R) COARSE | |
| | 12 | TC1L | 130 | 0-128 | TRUSURROUND EFFECT(L,R) FINE | |
| | 13 | SADH | 64 | 0-128 | SRS SPACE LEVEL COARSE | |
| | 14 | SADL | 100 | 0-128 | SRS SPACE LEVEL FINE | |
| | 15 | SB0H | 92 | 0-128 | SRS CENTER LEVEL COARSE | |
| | 16 | SB0L | 0 | 0-128 | SRS CENTER LEVEL COARSE | |

MID (Multi Image Driver)

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|------------|---------------------------------|----------------------|
| MID | 00 | DLYC | 3 | 0-7 | DELAY(Y OUTPUT DELAY) | CXD2079Q & MID U-COM |
| | 01 | YSDY | 1 | 0-7 | YSDY(YS DELAY) | |
| | 02 | VJTC | 0 | 0-3 | VJITTC(V JITTER MODE) | |
| | 03 | HPHA | 43 | 0-255 | HPHASA(ACH H PHASE) | |
| | 04 | VPHA | 11 | 0-255 | VPHASA(ACH V PHASE) | |
| | 05 | DLYA | 4 | 0-7 | DELAYA(ACH Y DELAY) | |
| | 06 | HPOA | 87 | 0-255 | HPOSIA(ACH H POSITION:NOT USE) | |
| | 07 | VPOA | 64 | 0-255 | VPOSIA(ACH V POSITION:NOT USE) | |
| | 08 | HPHB | 43 | 0-255 | HPHASB(BCH H PHASE) | |
| | 09 | VPHB | 11 | 0-255 | VPHAHB(BCH V PHASE) | |
| | 10 | DLYB | 4 | 0-7 | DELAYB(BCH Y DELAY) | |
| | 11 | HPOB | 4 | 0-15 | HPOSIB(BCH H POSITION:PIP ONLY) | |
| | 12 | VPOB | 6 | 0-15 | VPOSIB(BCH V POSITION:PIP ONLY) | |
| | 13 | BDPY | 0 | 0-15 | BPDELAY(BP DELAY) | |
| | 14 | ADSW | 1 | 0,1 | A/BCH ADC INT/EXT(EXT=1) | |
| | 15 | OSDH | 25 | 0-63 | OSD H POSITION | |
| | 16 | OSDV | 7 | 0-63 | OSD V POSITION | |
| | 17 | WCOL | 2 | 0-3 | WKCA/WKCB(A/BCH WINDOW COLOR) | |

OP (Option)

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|------------|-----------------------------------|------------|
| OP | 00 | AGCA | 152 | 0-255 | AGC ATT LEVEL | MAIN U-COM |
| | 01 | 16:9 | 0 | 0,1 | 16:9 ON/OFF (ON = 1) | |
| | 02 | DRCP | 0 | 0,1 | DRC INTERLACE/PROGRESSIVE | |
| | 03 | 1080 | 0 | 0,1 | FORCED 1080I(VIDEO5) | |
| | 04 | IDXT | 2 | 0-15 | INDEX CH SCAN TIME | |
| | 05 | VPI | 0 | 0-3 | PICTURE BOOSTER SETTING(VIVID) | |
| | 06 | SPI | 9 | 0-15 | PICTURE BOOSTER SETTING(STANDARD) | |

PJE (Projection TV Engine)

() : 1080I < > 16 : 9

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|------------|-------------------------------------|-----------------------|
| PJE | 00 | FDIS | 00 | 0,1 | FINE ADJUST DISPLAY ON(ON=1, OFF=0) | CM0006AF & PJED U-COM |
| | 01 | OSDH | 32 | 0-255 | PJED OSD H POSITION | |
| | 02 | OSDV | 55 | 0-255 | PJED OSD V POSITION | |
| | 03 | FVST | 51(00) | 0-255 | FINE V START LINE | |
| | 04 | V1ST | 00 | 0-255 | V1 START | |
| | 05 | V1CU | 31(29) | 0-255 | V1 COUNT UP | |
| | 06 | COHP | 00 | 0-255 | COARSE H PHASE | |
| | 07 | FIHP | 206(205) | 0-255 | FINE H PHASE | |
| | 08 | TPHP | 49(55)<46> | 0-255 | TEST PATTERN H PHASE | |

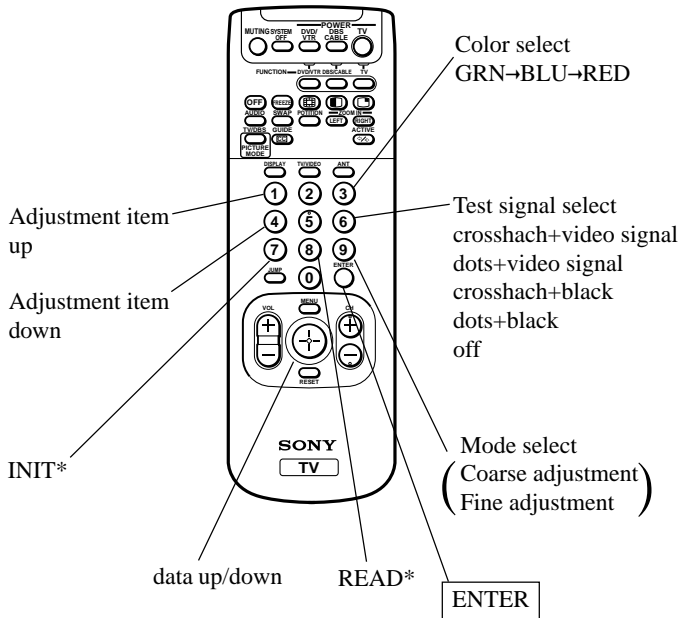
(): 1080I < > 16 :9

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|-------------|-------------------------------|--------|
| | 09 | DFHP | 00(251) | 0-255 | DF H PHASE | |
| | 10 | DFHG | 95 | -128+127 | DF H GAIN | |
| | 11 | DFVG | 15 | -128+127 | DF V GAIN | |
| | 12 | PWM1 | 00 | 0-255 | PWM1 | |
| | 13 | PWM2 | 29 | 0-255 | PWM2 | |
| | 14 | HBLD | 222(217) | 0-255 | HBLKOUT H DELAY | |
| | 15 | HBLW | 00(10)<10> | 0-63 | HBLKOUT PULSE WIDTH | |
| | 16 | BLKP | 44(75)<49> | 0-255 | V BLANKING PULSE | |
| | 17 | COGV | 00 | -127+127 | GV CENTER OFFSET OF AUTO REGI | |
| | 18 | CORV | 00 | -127+127 | RV CENTER OFFSET OF AUTO REGI | |
| | 19 | COBV | 00 | -127+127 | BV CENTER OFFSET OF AUTO REGI | |
| | 20 | COGH | 00 | -127+127 | GH CENTER OFFSET OF AUTO REGI | |
| | 21 | CORH | 00 | -127+127 | RH CENTER OFFSET OF AUTO REGI | |
| | 22 | COBH | 00 | -127+127 | BH CENTER OFFSET OF AUTO REGI | |
| | 23 | SOGV | 00 | -127+127 | GV SKEW OFFSET OF AUTO REGI | |
| | 24 | SORV | 00 | -127+127 | RV SKEW OFFSET OF AUTO REGI | |
| | 25 | SOBV | 00 | -127+127 | BV SKEW OFFSET OF AUTO REGI | |
| | 26 | SOGH | 00 | -127+127 | GH SKEW OFFSET OF AUTO REGI | |
| | 27 | SORH | 00 | -127+127 | RH SKEW OFFSET OF AUTO REGI | |
| | 28 | SOBH | 00 | -127+127 | BH SKEW OFFSET OF AUTO REGI | |
| | 29 | ERR | 00 | | AUTO REGI ERROR CODE | |
| | 30 | ADTM | 144 | 0-255 | AUTO REGI AD TIMING | |
| | 31 | VUP | 01 | 0-255 | AUTO REGI VUP POS | |
| | 32 | VMID | 114(120)<120> | 0-255 | AUTO REGI VMID POS | |
| | 33 | VLOW | 224(238)<240> | 0-255 | AUTO REGI VLOW POS | |
| | 34 | HPR | 01 | 0-255 | AUTO REGI H POS REGIS | |
| | 35 | SFTF | 00 | 0,1 | V SIZE SHIFT FAST | |
| | 36 | ACTL | 00 | 0-255 | ACTIVE CRT TIME(LOW BYTE) | |
| | 37 | ACTH | 00 | 0-255 | ACTIVE CRT TIME(HIGH BYTE) | |
| | GRN | CENT | 000 / 000 | -512 - +511 | COARSE GREEN H/V CENT | |
| | | SKEW | 000 / 000 | -512 - +511 | COARSE GREEN H/V SKEW | |
| | | SIZE | 000 / 000 | -512 - +511 | COARSE GREEN H/V SIZE | |
| | | LIN | XXXX / XXXX | - | COARSE GREEN H/V LIN | |
| | | KEY | XXXX / XXXX | - | COARSE GREEN H/V KEY | |
| | | PIN | XXXX / 000 | -512 - +511 | COARSE GREEN H/V PIN | |
| | BLU | CENT | 000 / 000 | -512 - +511 | COARSE BLUE H/V CENT | |
| | | SKEW | 000 / 000 | -512 - +511 | COARSE BLUE H/V SKEW | |
| | | SIZE | 000 / 000 | -512 - +511 | COARSE BLUE H/V SIZE | |
| | | LIN | 000 / XXXX | -512 - +511 | COARSE BLUE H/V LIN | |
| | | KEY | 000 / 000 | -512 - +511 | COARSE BLUE H/V KEY | |
| | | PIN | XXXX / 000 | -512 - +511 | COARSE BLUE H/V PIN | |

| Category | Item number | Adjustment item | Standard data | Data range | Note | Device |
|----------|-------------|-----------------|---------------|-------------|---------------------|--------|
| | RED | CENT | 000 / 000 | -512 - +511 | COARSE RED H/V CENT | |
| | | SKEW | 000 / 000 | -512 - +511 | COARSE RED H/V SKEW | |
| | | SIZE | 000 / 000 | -512 - +511 | COARSE RED H/V SIZE | |
| | | LIN | 000 / XXXX | -512 - +511 | COARSE RED H/V LIN | |
| | | KEY | XXXX / 000 | -512 - +511 | COARSE RED H/V KEY | |
| | | PIN | XXXX / 000 | -512 - +511 | COARSE RED H/V PIN | |

3-10. REGISTRATION ADJUSTMENT (PJE)

• FUNCTION OF BUTTONS OF REMOTE COMMANDER FOR PJE MODE.



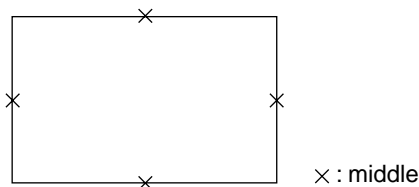
INIT*: Press 7, "INIT" green letters appear on the screen. Then press ENTER, all the PJE data are reset.

READ*: Press 8, "READ" green letters appear on the screen. Then press ENTER, all the PJE default data are restored.

Note : Internal patterns are used for geometry and convergence adjustments. However, sizing and centering must be done with the use of an external generator. The recommended pattern would be a monoscope, or equivalent pattern, which would provide the means to adjust both the linearity and sizing of the picture.

[SETUP FOR ADJUSTMENT]

- Current flow in circuit should be stable before attempting adjustment. So wait 5 minutes after turning on the TV power.
- At the 4 insides of the screen, locate the middle. Use a tape measure to identify the middle.



- Separate adjustments are required for multiple modes and should be done in the following order (as each mode requires a separate adjustment):

- 4 : 3 mode
- 16 : 9 mode
- 1080i (Video 5 input mode)

In all these modes, both color convergence and geometry adjustments are required.

- In order to do the 16 : 9, 1080i (Video 5) mode adjustment, you must follow this procedure:

Forced 16 : 9 mode setting:

In the service mode, set OP 01 16 : 9 to 001.

VIDEO 5 forced 1080i mode setting:

Connect RCA pin plug to VIDEO IN 5 red pin jack, and set OP 03 1080 to 001 in the service mode.

1. Set to the service mode by pressing quickly keys on the remote commander in the standby mode in the following order:
[DISPLAY] → [5] → [VOL+] → [TV POWER]
2. Change TV mode to the video input mode.
3. Change the VDSP mode to the PJE 00 FDIS.

| | | |
|------|----|----|
| PJE | 00 | 00 |
| FDIS | | |

4. Set FDIS data to "01" to display the registration data of each spot in the fine adjustment.

| | | |
|------|----|----|
| PJE | 00 | 01 |
| FDIS | | |

5. Press [6] to display the test signal (crosshatch) on the screen.
6. Select GRN CENT(*) with the [1] and [4] keys on the remote commander and check that the adjustment data is now "000" both vertically and horizontally.

| | | |
|------|-----|-----|
| | (H) | (V) |
| GRN | 000 | 000 |
| CENT | | |

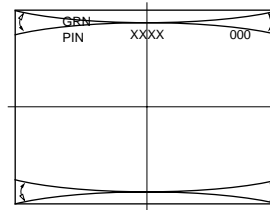
- *: In the factory preset, "GRN CENT" appears on the screen first. In case of other colors "RED" or "BLU", change color by every pressing [3] key.

7. Cover the both red and blue picture lenses with the lens caps to show only the green color.

SUB DEFLECTION ADJUSTMENT ITEM

Adjustment O : Yes - : No

| Display | Adjustment item | Adjustment type | | |
|---------|-----------------|-----------------|-----|-----|
| | | G | R | B |
| CENT | CENT | O/O | O/O | O/O |
| SKEW | SKEW | O/O | O/O | O/O |
| SIZE | SIZE | O/O | O/O | O/O |
| LIN | LIN | -/- | O/- | O/- |
| KEY | KEY | -/- | -/O | -/O |
| PIN | PIN | -/O | -/O | -/O |

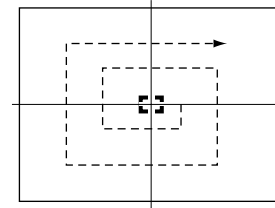


Note : These are required when either severe miss-adjustment or data loss occurred.

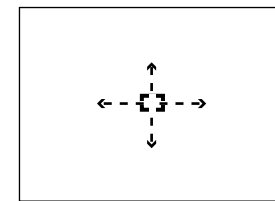
<FINE ADJUSTMENT>

1. Press **[9]** key on the remote commander to shift to the fine adjustment mode.
The green cursor (in the GRN mode) appears on the center of the screen.
2. Use the **[1]** and **[4]** keys or the joystick on the remote commander, move the cursor (see below) everywhere you want to adjust and adjust with the joystic keys on the remote commander.

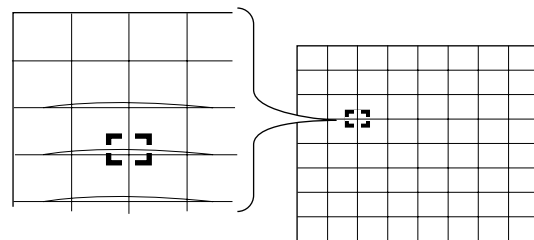
Marker movement by the **[1]** and **[4]** keys:



Press once the joystick the cursor turns green to white. Then you can move the cursor up and down left and right everywhere you want.



Press once again the joystick the cursor stops and returns green, you can adjust around the cursor.

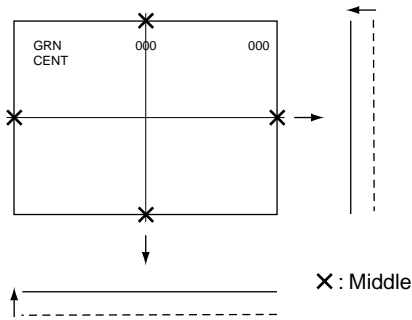


3. Press **[9]** key on the remote commander to shift to the coarse adjustment mode.

[GREEN REGISTRATION ADJUSTMENT]

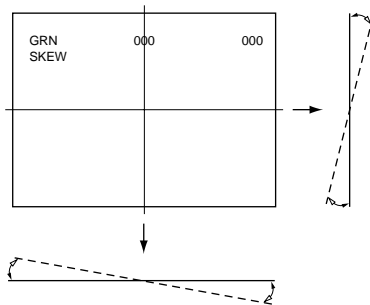
<GREEN CENTER, SIZE>

1. Select GRN CENT or GRN SIZE with the **[1]** and **[4]** keys on the remote commander.
2. Adjust the center of crosshatch line goes the middle vertically and horizontally (GRN CENT) and set the size correctly (GRN SIZE) with the joystick on the remote commander.



<GREEN SKEW>

1. Select GRN SKEW with the **[1]** and **[4]** keys on the remote commander.
2. Adjust the crosshatch line goes straight vertically and horizontally with the joystick on the remote commander.



<GREEN PINCUSHION>

1. Select GRN PIN with the **[1]** and **[4]** keys on the remote commander.
2. Adjust the crosshatch line goes straight horizontally with the joystick on the remote commander.

[RED REGISTRATION ADJUSTMENT]

<RED CENTER, SKEW>

1. Cover the blue picture lens with the lens cap to show the green and red colors.
2. Press **[3]** key on the remote commander to shift the GRN mode to the RED mode.
3. Select RED CENT or RED SKEW with the **[1]** and **[4]** keys on the remote commander and adjust while tracking each other alternately.
4. Adjust the red crosshatch lines go straight vertically and horizontally and overlaps the green lines with the joystick on the remote commander.

<RED SIZE, LINEARITY>

1. Select RED SIZE (vertically and horizontally) or RED LIN (vertically) with the **[1]** and **[4]** keys on the remote commander and adjust while tracking each other alternately.
2. Adjust the red crosshatch lines go straight vertically and horizontally and overlaps the green lines with the joystick on the remote commander.

<RED KEY, PINCUSHION>

1. Select RED KEY or PINCUSHION with the **[1]** and **[4]** keys on the remote commander and adjust while tracking each other alternately.
2. Adjust the red crosshatch lines go straight horizontally and overlaps the green lines with the joystick on the remote commander.

<FINE ADJUSTMENT>

1. Press **[9]** key on the remote commander to shift to the fine adjustment mode.
The red cursor (in the RED mode) appears on the center of the screen.
2. Use the **[1]** and **[4]** keys or the joystick on the remote commander, move the cursor everywhere you want to adjust and adjust with the joystick on the remote commander.

[BLUE REGISTRATION ADJUSTMENT]

1. Remove the lens cap from the blue picture lens to show full color.
2. Press **[3]** key on the remote commander to shift the RED mode to the BLU mode.
3. Adjust BLU CENT, BLU SKEW, BLU SIZE, BLU LIN, BLU KEY and BLU PIN in the same procedure of the red registration adjustment.

[FINAL CHECK]

1. Store the new adjustment (offset) value on the remote control by pressing **[MUTING]** and **[ENTER]**.
2. Press the FLASH FOCUS button on the front panel.
(The Offset value is now automatically stored.)
3. Check that no error message appears.
If an error message appears, recheck.

Note : In case of replacing CRTs, adjust the set-up adjustments (items 3-1 to 3-8) and the registration adjustment (item 3-10).
In case of replacing two or three CRTs at the same time, replace and adjust one by one.

3-11. AUTO REGISTRATION ERROR CODE LIST

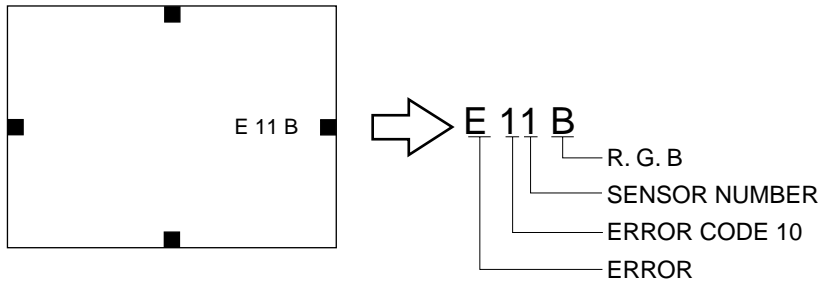
If an error code is displayed after the set has been fully adjusted, correctly, please check the following items: position, tilt and sizing. If either of these adjustments are off, even slightly, the auto-registration pattern will not hit the four sensors properly. This occurs when the internal generator patterns is being flashed on the screen for the sensors to read. Therefore, auto registration (called auto-focus) cannot operate properly causing an error code to be displayed. In order for this function to operate properly, correct position, tilt and size must be adjusted properly.

[ERROR CODE LIST]

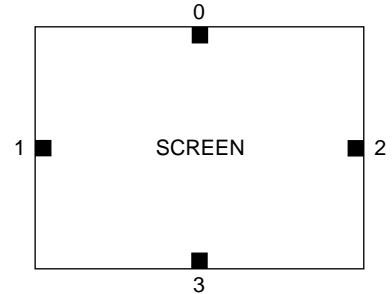
| ERROR CODE | DISCRIPTION | NOTE |
|------------|----------------------------------|--|
| 00 | No Error | |
| 10 | Sensor Output Level Low | * Check wiring, beam position, sensor. 0 : Upper Center 1 : Middle Left 2 : Middle Right 3 : Lower Center |
| 20 | Sensor Output Level High | * Check OP-amp circuit. 0 : Upper Center 1 : Middle Left 2 : Middle Right 3 : Lower Center |
| 30 | Adjustment Loop Counter Overflow | * Check the registring information on the convergence board. |
| 40 | Regi Data Overflow | * Check the convergence yoke driver ICs. |
| 50 | Regi Data Overflow | |
| 60 | Offset Overflow | * Convergence patterns displayed are out of normal range. |
| 70 | Offset Overflow | |

* In case of multiple error, last error is displayed.

• ERROR CODE SCREEN DISPLAY



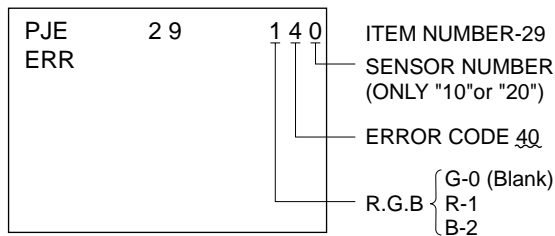
[SENSOR POSITION]



- 0 : UPPER SENSOR
- 1 : LEFT SENSOR
- 2 : RIGHT SENSOR
- 3 : LOWER SENSOR

* Error code will be displayed on center of screen for 3 seconds.

• ERROR CODE DISPLAY IN REGI SERVICE MODE



SECTION 4

SAFETY RELATED ADJUSTMENTS

[D BOARD]

4-1. HV REGULATION CIRCUIT CHECK AND ADJUSTMENT

When replacing the following components marked with \blacksquare on the schematic diagram always check HV regulation, and if necessary re-adjust.

- \blacksquare : R8196, R8201
- \blacksquare : C8018, C8064, C8066, C8070, C8074, C8076, C8082, D8042, IC8002, IC8007, IC8008, Q8022, R8093, R8095, R8096, R8105, R8108, R8112, R8113, R8114, R8115, R8126, R8128, R8136, R8138, R8139, R8154, R8157, R8168, R8173, R8174, R8177, R8178, R8195, R8196, R8201, T8002 (LOT), T8003 (FBT), HV BLOCK, D BOARD

OPERATION CHECK

1. Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
2. Connect a 33k Ω variable resistor, set to maximum value, across CN8008.
3. Power on the set.
4. Receive dot signal pattern.
5. Gradually lower the value of the variable resistor and check that the hold-down circuit operates at a static voltmeter reading of 31.0 ± 0.5 kV dc when the raster disappears.

HV HOLD-DOWN ADJUSTMENT

1. REPART STEPS ① ~ ⑤ as above.
2. Just at the point hold-down circuit begins to operate switch off the set.
3. Remove the VR connected across CN8008, and measure its resistance.
4. Solder a resistor value, nearest to the measured value, across CN8008.
5. Reconfirm operation check.

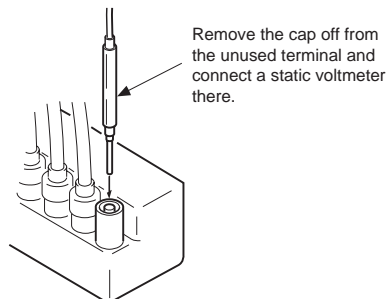


Fig. 4-1

4-2. HV HOLD DOWN CIRCUIT OPERATION CHECK AND ADJUSTMENT

When replacing the following components marked with \blacksquare on the schematic diagram always check hold-down voltage and if necessary re-adjust.

- \blacksquare : R8194, R8202
- \blacksquare : C8018, D8026, D8032, D8035, D8050, IC8006, IC8009, IC8010, Q8021, Q8031, R8092, R8094, R8097, R8109, R8110, R8117, R8118, R8121, R8123, R8125, R8129, R8135, R8140, R8155, R8190, R8191, R8192, R8193, R8194, R8198, R8202, T8002 (LOT), T8003 (FBT), HV BLOCK, D BOARD

OPERATION CHECK

1. Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
2. Power on the set.
3. Receive dot signal pattern.
4. Check that the HV static voltmeter is reading 34.0 ± 0.5 V dc.

HV Regulation ADJUSTMENT

1. Repeat step ① as above.
2. Connect 33k Ω variable resistor, set to maximum value, to CN8008.
3. Power on the set.
4. Receive dot signal pattern.
5. Gradually lower the value of the variable resistor until the static voltmeter is reading 34.0 ± 0.5 kVdc.
6. Switch off the swt.
7. Remove the VR connected across CN8008, and measure its value.
8. Solder a resistor value, nearest to the measured value, across CN8008.
9. Reconfirm operation check.

[G BOARD]

4-3. +B MAX VOLTAGE CONFIRMATION

The following adjustments should always be performed when replacing IC6101.

1. Supply 130.0 ± 2.0 VAC to variable autotransformer.
2. Receive dot signal pattern and set the PICTURE and BRIGHTNESS settings to their minimum.
3. Confirm the voltage of TP +B 135V is less than 137.0Vdc.
4. If step 4 not satisfied, replace IC6101 and repeat above steps.

4-4. +B OVP CONFIRMATION

1. Connect a voltmeter to TP. OVP and ground.
2. Supply 120VAC to variable autotransformer.
3. Power on the Set.
4. Supply 150VDC to TP. OVP.
5. Check the OVP is activated.

SECTION 5 CIRCUIT ADJUSTMENTS

[MCD MODE]

5-1. TV INPUT SUB CONTRAST ADJUSTMENT (MCD1-SCON)

1. Receive the color-bar signal.
2. Set to service mode.
3. Connect an oscilloscope between pin ② of CN511 (A board) and ground.
4. Select “ MCD1-SCON ”, and adjust so that the waveform level is $0.525 \pm 0.015V_{p-p}$.
5. Write the data into memory.

MUTING → ENTER

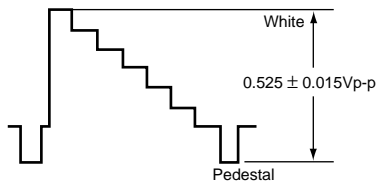


Fig. 5-1

5-2. VIDEO INPUT SUB CONTRAST ADJUSTMENT (MCD3-SCON)

1. VIDEO 1 input the color-bar signal.
2. Set to service mode.
3. Connect an oscilloscope between pin ② of CN511 (A board) and ground.
4. Select “ MCD3-SCON ”, and adjust so that the waveform level is $0.525 \pm 0.015V_{p-p}$.
5. Write the data into memory.

MUTING → ENTER

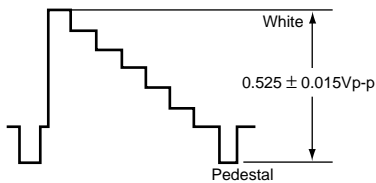


Fig. 5-2

5-3. P & P SUB CONTRAST ADJUSTMENT (MCD2-SCON)

1. Receive the signal.
TV terminal (main) : color-bar signal
VIDEO terminal (sub) : no signal
2. Set to P & P mode, set to service mode.
3. Connect an oscilloscope between pin ⑳ of CN513 (A board) and ground.
4. Select “ MCD2-SCON ”, and adjust so that the waveform level is $0.525 \pm 0.015V_{p-p}$.
5. Write the data into memory.

MUTING → ENTER

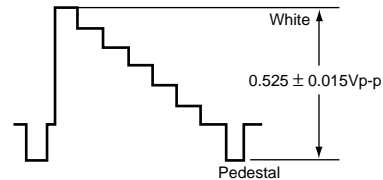


Fig. 5-3

5-4. P & P SUB CONTRAST ADJUSTMENT (MCD4-SCON)

1. Receive the signal.
TV terminal (sub) : no signal
VIDEO terminal (main) : color-bar signal
2. Set to P & P mode, and set to service mode.
3. Connect an oscilloscope between pin ⑳ of CN513 (A board) and ground.
4. Select “ MCD4-SCON ”, and adjust so that the waveform level is $0.525 \pm 0.015V_{p-p}$.
5. Write the data into memory.

MUTING → ENTER

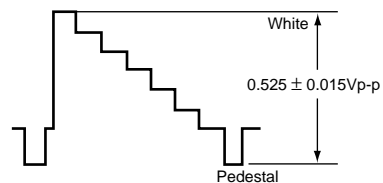


Fig. 5-4

5-5. SUB-CONTRAST ADJUSTMENT (MCP2-SCON)

1. Receive the color-bar signal.
2. VIDEO MODE : PRO
PICTURE : maximum
COLOR : minimum
BRIGHTNESS : center
TRINITONE : medium
SERVICE DATA MCP2-SBRT : 25
3. Set to service mode.
4. Connect an oscilloscope between pin ③ of CN503 (A board) connector and ground.
5. Select “ MCP 2-SCON ”, and adjust so that the waveform level is $1.750 \pm 0.030V_{p-p}$.
6. Write the data into memory.

→

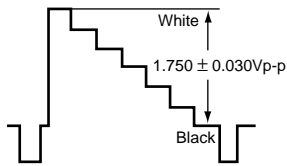


Fig. 5-5

5-6. VIDEO 5 INPUT SUB-CONTRAST ADJUSTMENT (MCP3-SCON)

1. VIDEO 5 input the color-bar signal.
2. PICTURE : maximum
COLOR : minimum
BRIGHTNESS : center
TRINITONE : medium
SERVICE DATA MCP3-SBRT : 25
3. Set to service mode.
4. Connect an oscilloscope between pin ③ of CN503 (A board) connector and ground.
5. Select “ MCP 3-SCON ”, and adjust so that the waveform level is $1.750 \pm 0.030V_{p-p}$.
6. Write the data into memory.

→

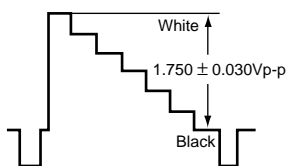


Fig. 5-6

5-7. SUB-HUE AND SUB-COLOR ADJUSTMENT (MCD1-SHUE, SCOL)

1. Receive the color-bar signal.
2. VIDEO MODE : PRO
PICTURE : maximum
COLOR : center
HUE : HUE
BRIGHTNESS : center
TRINITONE : medium
SERVICE DATA MCP1-SBRT : 25
MCP1-SHUE : 7
MCP1-SCOL : 12
3. Set to service mode.
4. Connect an oscilloscope between pin ⑤ of CN503 (A board) connector and ground.
5. Select “ MCD 1-SHUE, SCOL ”, and adjust them to have $VB1 = VB4$ and $VB2 = VB3$ in the waveform levels.
6. Write the data into memory.

→

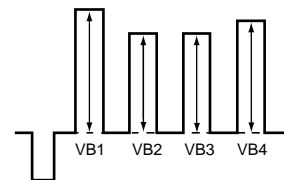


Fig. 5-7

5-8. VIDEO INPUT SUB-HUE AND SUB-COLOR ADJUSTMENT (MCD3-SHUE, SCOL)

1. VIDEO input the color-bar signal.
2. VIDEO MODE : PRO
PICTURE : maximum
COLOR : center
HUE : HUE
BRIGHTNESS : center
TRINITONE : medium
SERVICE DATA MCP1-SBRT : 25
MCP1-SHUE : 7
MCP1-SCOL : 12
3. Set to service mode.
4. Connect an oscilloscope between pin ⑤ of CN503 (A board) connector and ground.
5. Select “ MCD 3-SHUE, SCOL ”, and adjust them to have $VB1 = VB4$ and $VB2 = VB3$ in the waveform levels.
6. Write the data into memory.

→

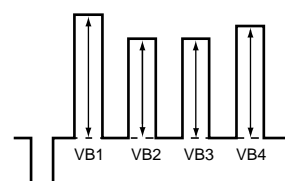


Fig. 5-8

5-9. P & P SUB-HUE AND SUB-COLOR ADJUSTMENT (MCD2-SHUE, SCOL)

1. Receive the signal.
TV terminal (main) : color-bar signal
VIDEO terminal (sub) : no signal
2. VIDEO MODE : PRO
PICTURE : maximum
COLOR : center
HUE : HUE
BRIGHTNESS : center
TRINITONE : medium
SERVICE DATA MCP1-SBRT : 25
MCP1-SHUE : 7
MCP1-SCOL : 12
3. Set to P & P mode, set to service mode.
4. Connect an oscilloscope between pin ⑤ of CN503 (A board) connector and ground.
5. Select “ MCD 2-SHUE, SCOL ”, and adjust them to have $VB1 = VB4$ and $VB2 = VB3$ in the waveform levels.
6. Write the data into memory.

MUTING → ENTER

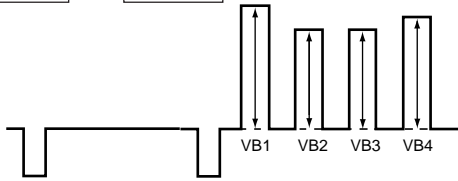


Fig. 5-9

5-10. P & P SUB-HUE AND SUB-COLOR ADJUSTMENT (MCD4-SHUE, SCOL)

1. Receive the signal.
VIDEO terminal (main) : color-bar signal
VIDEO terminal (sub) : no signal
2. VIDEO MODE : PRO
PICTURE : maximum
COLOR : center
HUE : HUE
BRIGHTNESS : center
TRINITONE : medium
SERVICE DATA MCP1-SBRT : 25
MCP1-SHUE : 7
MCP1-SCOL : 12
3. Set to P & P mode, set to service mode.
4. Connect an oscilloscope between pin ⑤ of CN503 (A board) connector and ground.
5. Select “ MCD 4-SHUE, SCOL ”, and adjust them to have $VB1 = VB4$ and $VB2 = VB3$ in the waveform levels.
6. Write the data into memory.

MUTING → ENTER

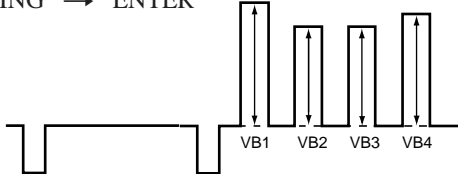


Fig. 5-10

[SCD MODE]

5-11. P & P SUB CONTRAST ADJUSTMENT (SCD1-SCON)

1. Receive the signal.
TV terminal (sub) : color-bar signal
VIDEO terminal (main) : no signal
2. Set to P & P mode, and set to service mode.
3. Connect an oscilloscope between pin ⑳ of CN513 (A board) and ground.
4. Select “ SCD1-SCON ”, and adjust so that the wave from level is $0.525 \pm 0.015V_{p-p}$.
5. Write the data into memory.

MUTING → ENTER

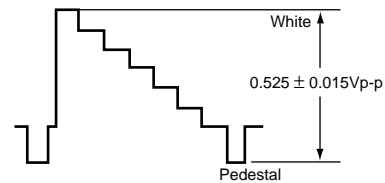


Fig. 5-11

5-12. P & P SUB CONTRAST ADJUSTMENT (SCD2-SCON)

1. Receive the signal.
TV terminal (main) : no signal
VIDEO terminal (sub) : color-bar signal
2. Set to P & P mode, and set to service mode.
3. Connect an oscilloscope between pin ⑳ of CN513 (A board) and ground.
4. Select “ SCD2-SCON ”, and adjust so that the wave from level is $0.525 \pm 0.015V_{p-p}$.
5. Write the data into memory.

MUTING → ENTER

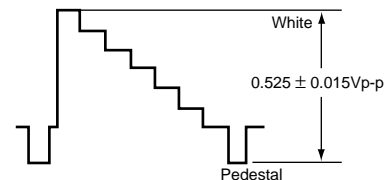


Fig. 5-12

5-13. P&P SUB-HUE AND SUB-COLOR ADJUSTMENT (SCD1-HUE, SCOL)

- Receive the signal.
VIDEO terminal (main) : no signal
VIDEO terminal (sub) : color-bar signal
- VIDEO MODE : PRO
PICTURE : maximum
COLOR : center
HUE : HUE
BRIGHTNESS : center
TRINITONE : medium
SERVICE DATA MCP1-SBRT : 25
MCP1-SHUE : 7
MCP1-SCOL : 12
- Set to service mode.
- Connect an oscilloscope between pin ⑤ of CN503 (A board) connector and ground.
- Select “SCD1-SHUE, SCOL”, and adjust them to have VB1 = VB4 and VB2 = VB3 in the waveform levels.
- Write the data into memory.
MUTING → ENTER

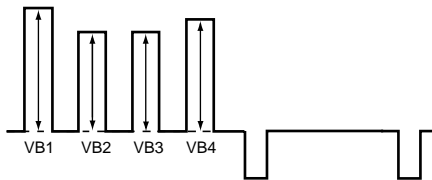


Fig. 5-11

5-14. P&P SUB-HUE AND SUB-COLOR ADJUSTMENT (SCD2-HUE, SCOL)

- Receive the color-bar signal.
VIDEO terminal (main) : no signal
VIDEO terminal (sub) : color-bar signal
- VIDEO MODE : PRO
PICTURE : maximum
COLOR : center
HUE : HUE
BRIGHTNESS : center
TRINITONE : medium
SERVICE DATA MCP1-SBRT : 25
MCP1-SHUE : 7
MCP1-SCOL : 12
- Set to service mode.
- Connect an oscilloscope between pin ⑤ of CN503 (A board) connector and ground.
- Select “SCD2-HUE, SCOL”, and adjust them to have VB1 = VB4 and VB2 = VB3 in the waveform levels.
- Write the data into memory.
MUTING → ENTER

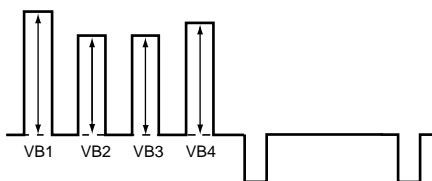


Fig. 5-12

5-15. VIDEO 5 INPUT SUB-HUE AND SUB-COLOR ADJUSTMENT (MCP3-SHUE, SCOL)

- VIDEO 5 input the color-bar signal.
- PICTURE : maximum
COLOR : minimum
HUE : HUE
BRIGHTNESS : center
TRINITONE : medium
SERVICE DATA MCP3-SBRT : 25
- Set to service mode.
- Connect an oscilloscope between pin ③ of CN503 (A board) connector and ground.
- Select “MCP 3-SHUE, SCOL”, and adjust them to have VB1 = VB4 and VB2 = VB3 in the waveform levels.
- Write the data into memory.
MUTING → ENTER

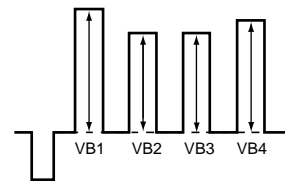
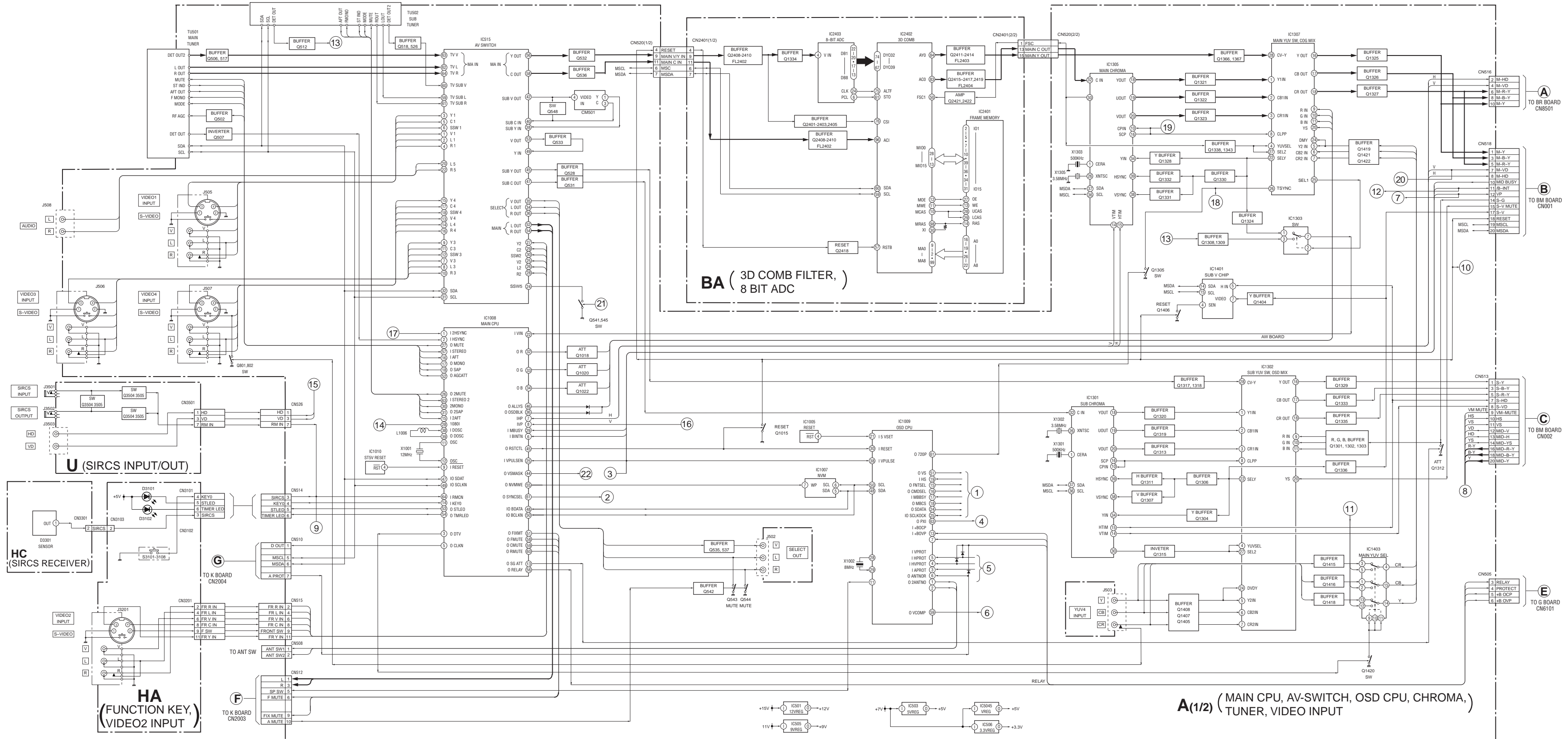


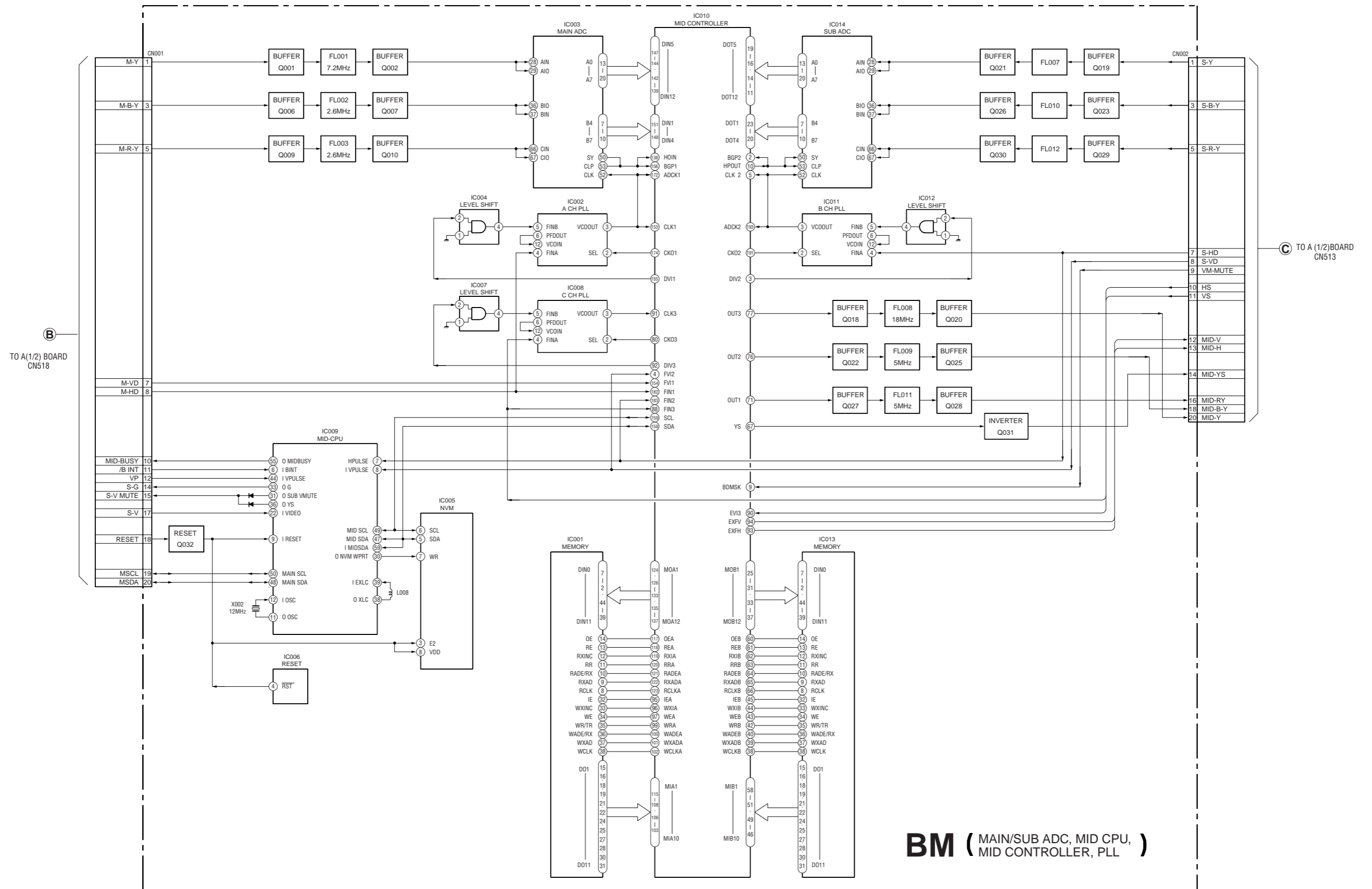
Fig. 5-15

**SECTION 6
DIAGRAMS**

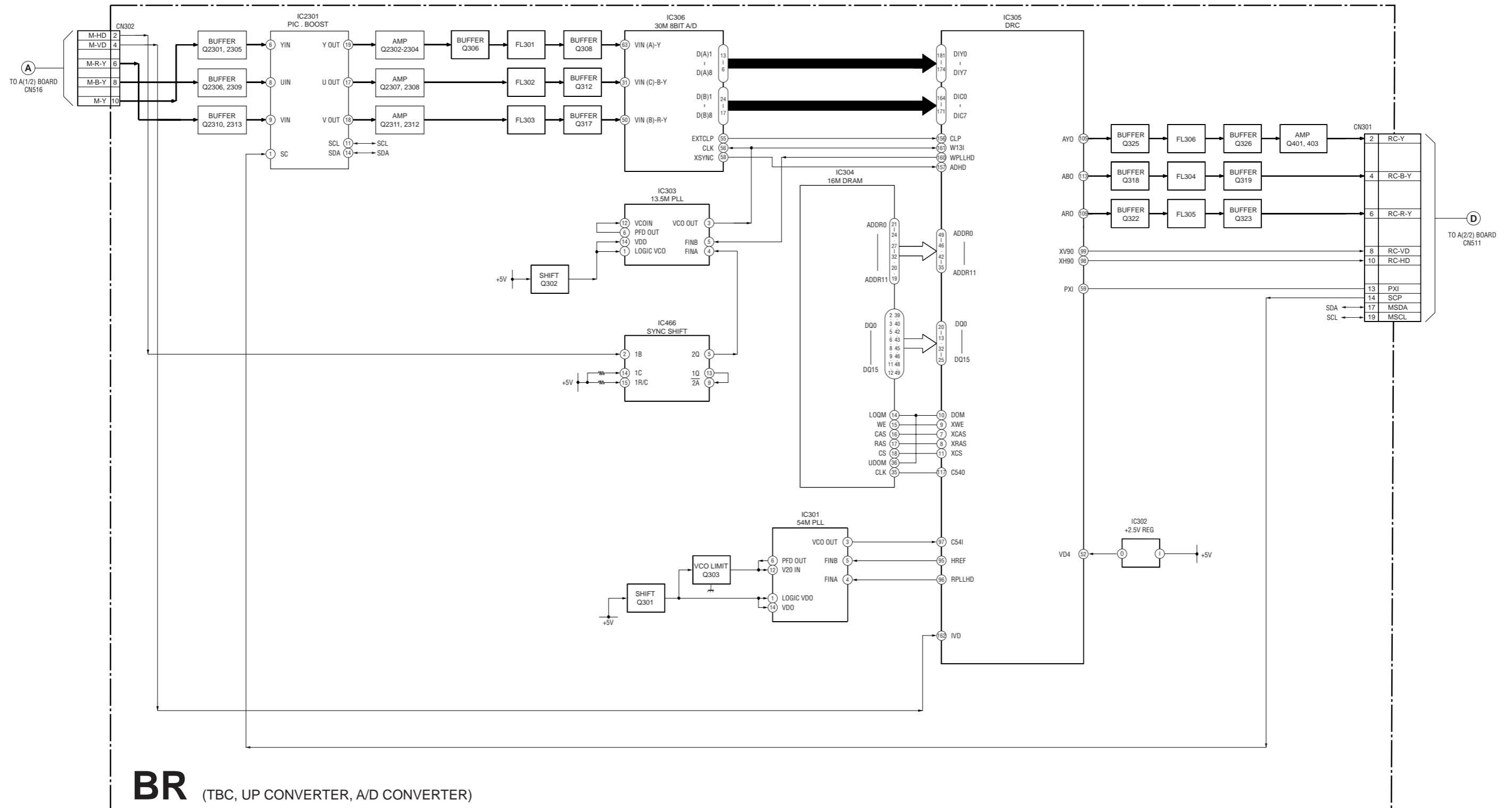
6-1. BLOCK DIAGRAM (1)



BLOCK DIAGRAM (3)

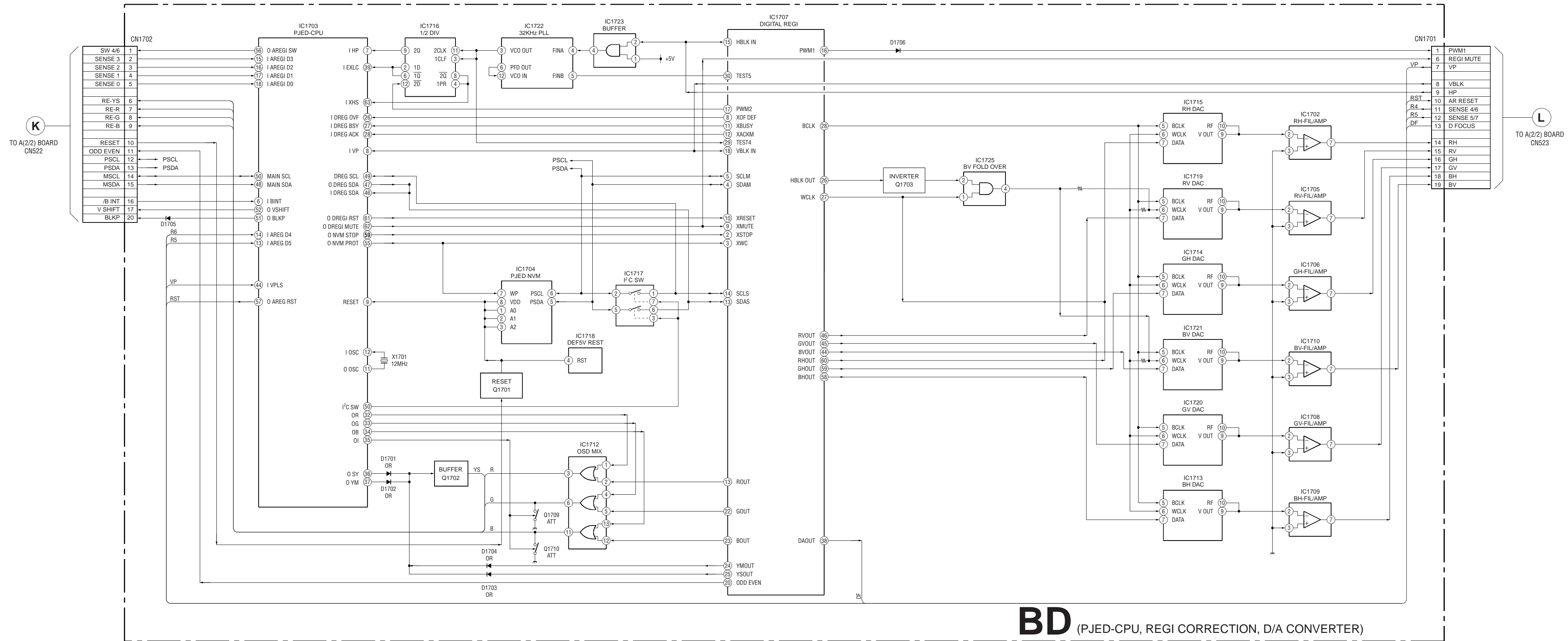


BLOCK DIAGRAM (4)



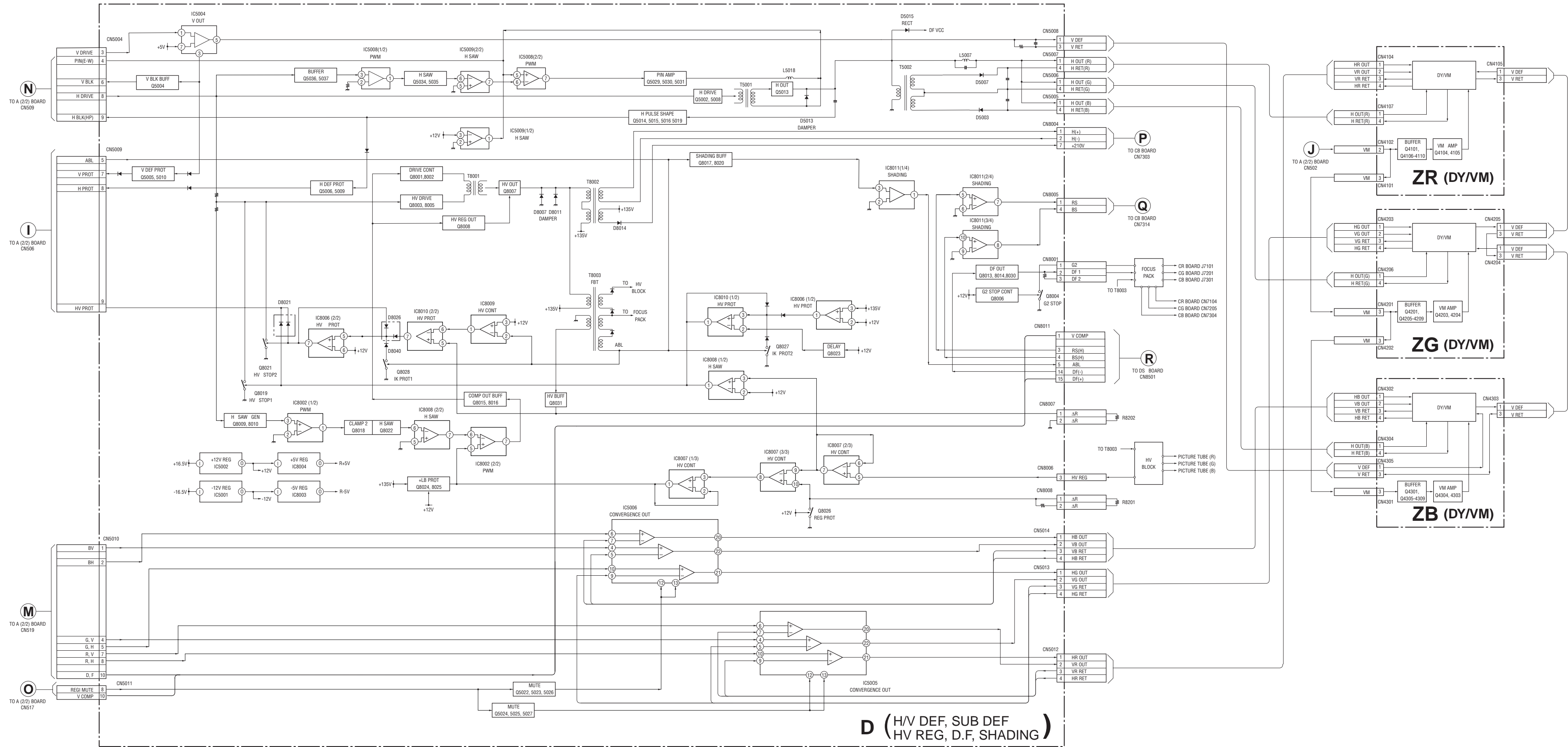
KP-53-61XBR200-BD-3-M

BLOCK DIAGRAM (5)

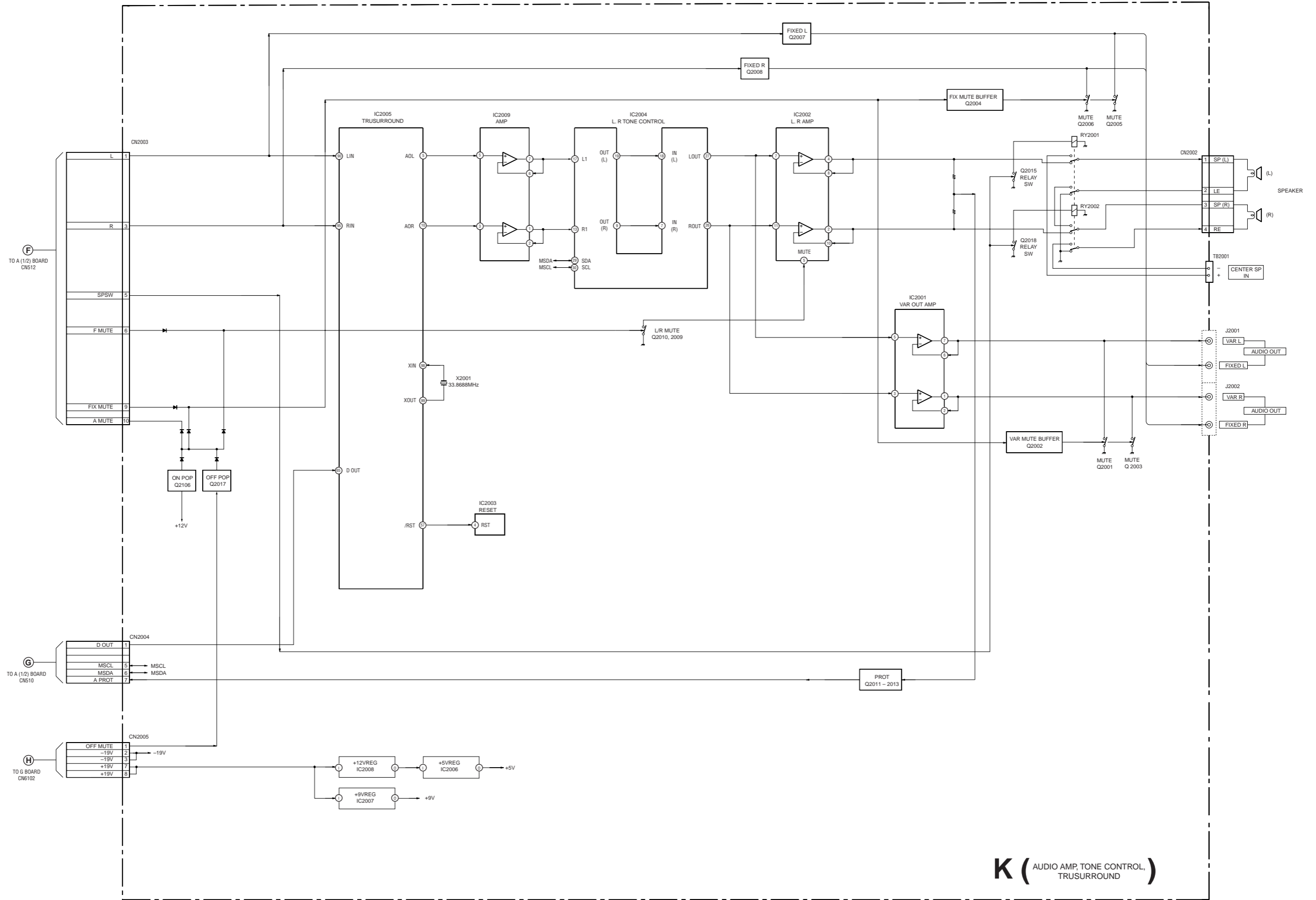


BD (PJED-CPU, REGI CORRECTION, D/A CONVERTER)

BLOCK DIAGRAM (6)



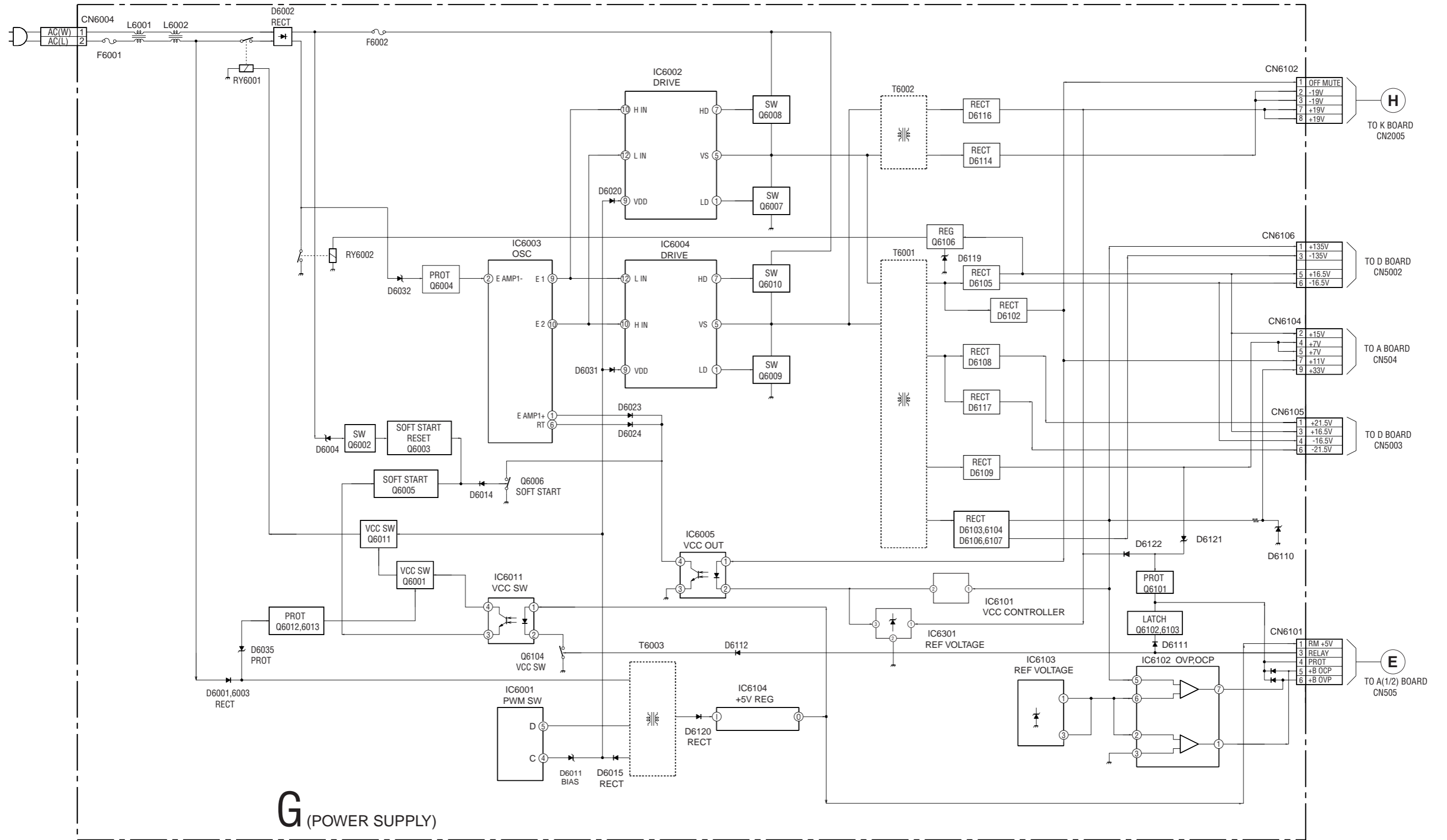
BLOCK DIAGRAM (7)



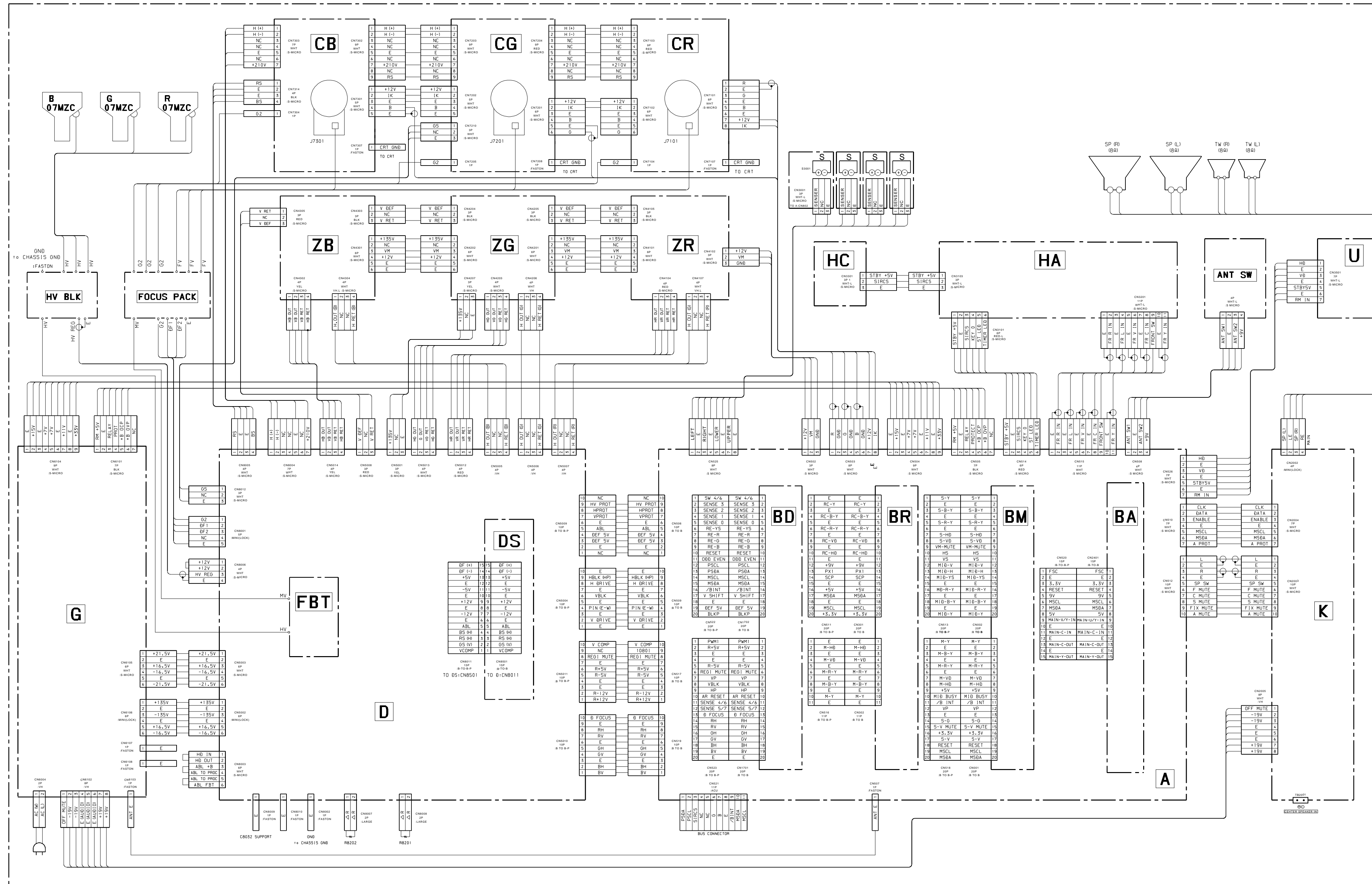
K (AUDIO AMP, TONE CONTROL, TRUSURROUND)

KP-53-61HS10-8D-P-M

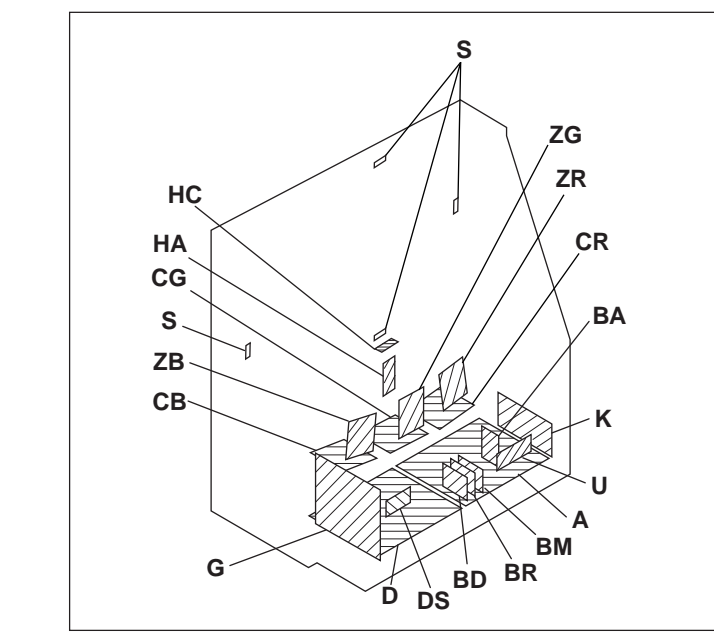
BLOCK DIAGRAM (8)



G (POWER SUPPLY)



6-3. CIRCUIT BOARDS LOCATION



6-4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

- Note:
- Capacitors without voltage indication are all 50V.
 - All resistors are in ohms.
 - kΩ=1000Ω, MΩ=1000kΩ
 - Indication of resistance, which does not have one for rating electrical power, is as follows.
- Pitch: 5mm
Rating electrical power: 1/4W
- ⊞: nonflammable resistor.
 - ⊞: fusible resistor.
 - ⊞: internal component.
 - ⊞: panel designation and adjustment for repair.
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
 - ⊞: earth-chassis.
- The components identified by ⊞ in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
- Should replacement be required, replace only with the value originally used.
- When replacing components identified by ⊞, make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by ⊞ and repeat the adjustment until the specified value is achieved. (Refer to R8194, R8196, R8201 and R8202 adjustment on Page 53.)
- When replacing the part in below table, be sure to perform the related adjustment.

| Part replaced (⊞) | Adjustment (⊞) |
|--|-----------------------------|
| C8018, C8064, C8066, C8070, C8074, C8076, C8082, D8042, IC8002, IC8007, IC8008, C8022, R8093, R8095, R8096, R8105, R8108, R8112, R8113, R8114, R8115, R8126, R8128, R8136, R8138, R8139, R8154, R8157, R8168, R8173, R8174, R8177, R8178, R8195, R8196, R8201, T8002 (LOT), T8003 (FBT), HV BLOCK, D BOARD | HV Regulator (R8196, R8201) |
| C8018, D8026, D8032, D8035, D8050, IC8006, IC8009, IC8010, C8021, Q8031, R8092, R8094, R8097, R8109, R8110, R8117, R8118, R8121, R8123, R8125, R8129, R8135, R8137, R8155, R8190, R8191, R8192, R8193, R8194, R8198, R8202, T8002 (LOT), T8003 (FBT), HV BLOCK, D BOARD | HV HOLD-DOWN (R8194, R8202) |

- Readings are taken with a color-bar signal input.
- Readings are taken with a 10MΩ digital multimeter.
- Voltagages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltagages are in V.
- : Measurement impossibility.
- : Circled numbers are waveform references.
- : B-bus.
- : B-bus.
- : signal path (RF)

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

Note: The symbol ⊞ display is on the component side.

The components identified by shading and mark ⊞ are critical for safety. Replace only with part number specified.

The symbol ⊞ indicate fast operating fuse. Replace only with fuse of same rating as marked.

Note: Les composants identifiés par un trame et une marque ⊞ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Le symbole ⊞ indique une fusible à action rapide. Doit être remplacé par une fusible de même valeur, comme marqué.

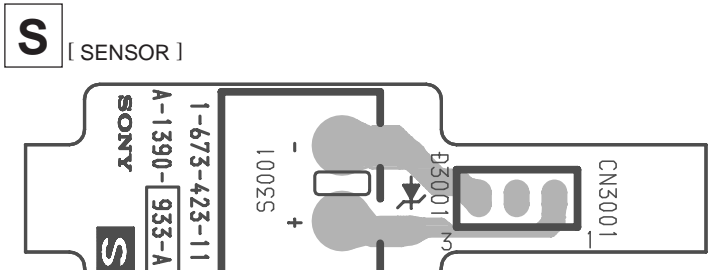
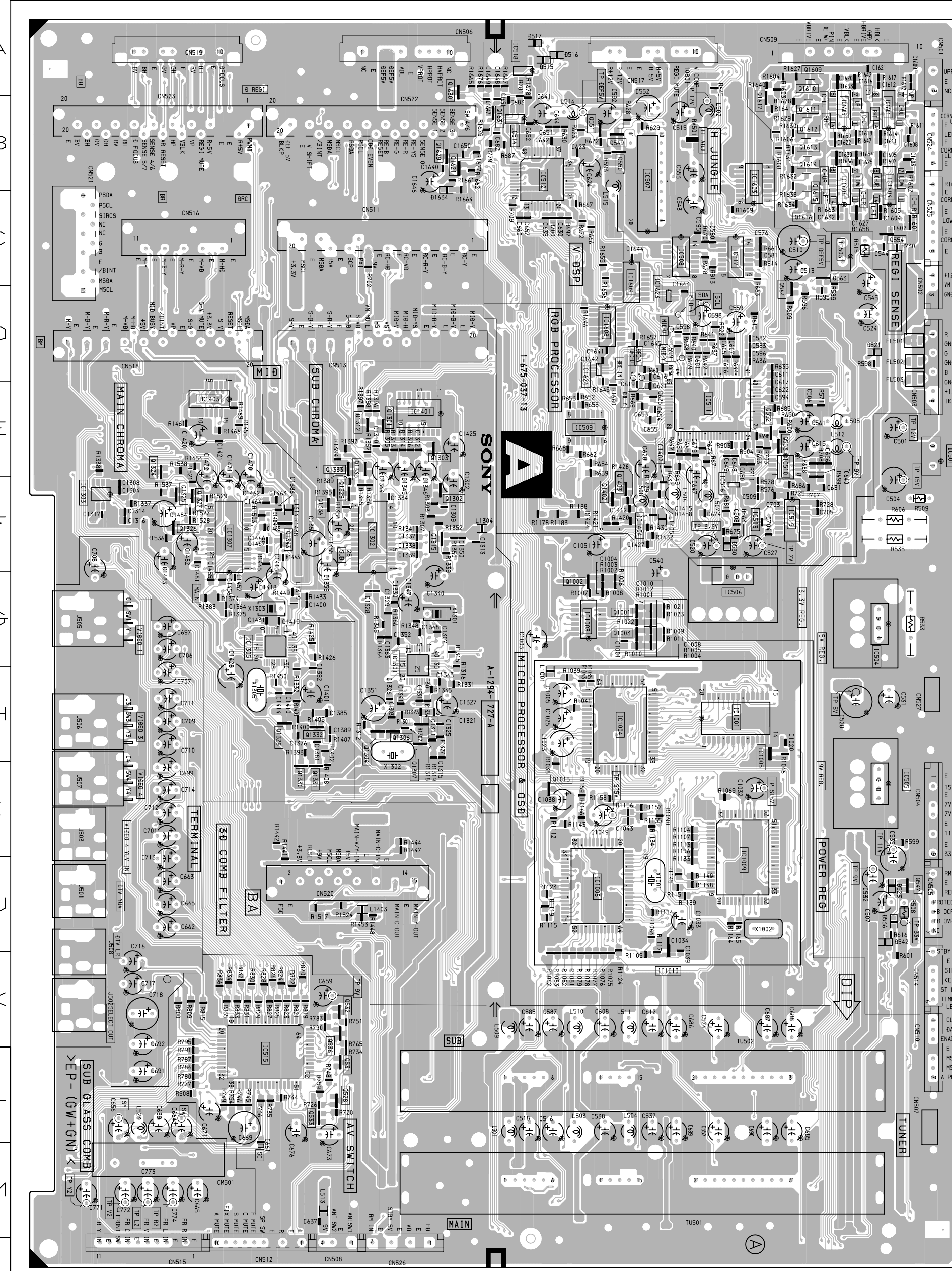
Terminal name of semiconductors in silk screen printed circuit (※)

| Device | Printed symbol | Terminal name | Circuit |
|--------------------|----------------|------------------------------|---------|
| ① Transistor | T | Collector Base Emitter | |
| ② Transistor | T | Cathode Base Emitter | |
| ③ Diode | T | Cathode Anode | |
| ④ Diode | T | Anode (NC) Cathode | |
| ⑤ Diode | T | Anode (NC) Cathode | |
| ⑥ Diode | T | Common Anode Cathode | |
| ⑦ Diode | T | Common Anode Cathode | |
| ⑧ Diode | T | Common Anode Anode | |
| ⑨ Diode | T | Common Anode Anode | |
| ⑩ Diode | T | Common Cathode Cathode | |
| ⑪ Diode | T | Common Cathode Cathode | |
| ⑫ Diode | T | Anode Cathode Cathode | |
| ⑬ Transistor (FET) | T | Drain Gate | |
| ⑭ Transistor (FET) | T | Drain Gate | |
| — | — | Discrete semiconductor | |

(Chip semiconductors that are not actually used are included.)

- A Board -

1 2 3 4 5 6 7 8 9 10



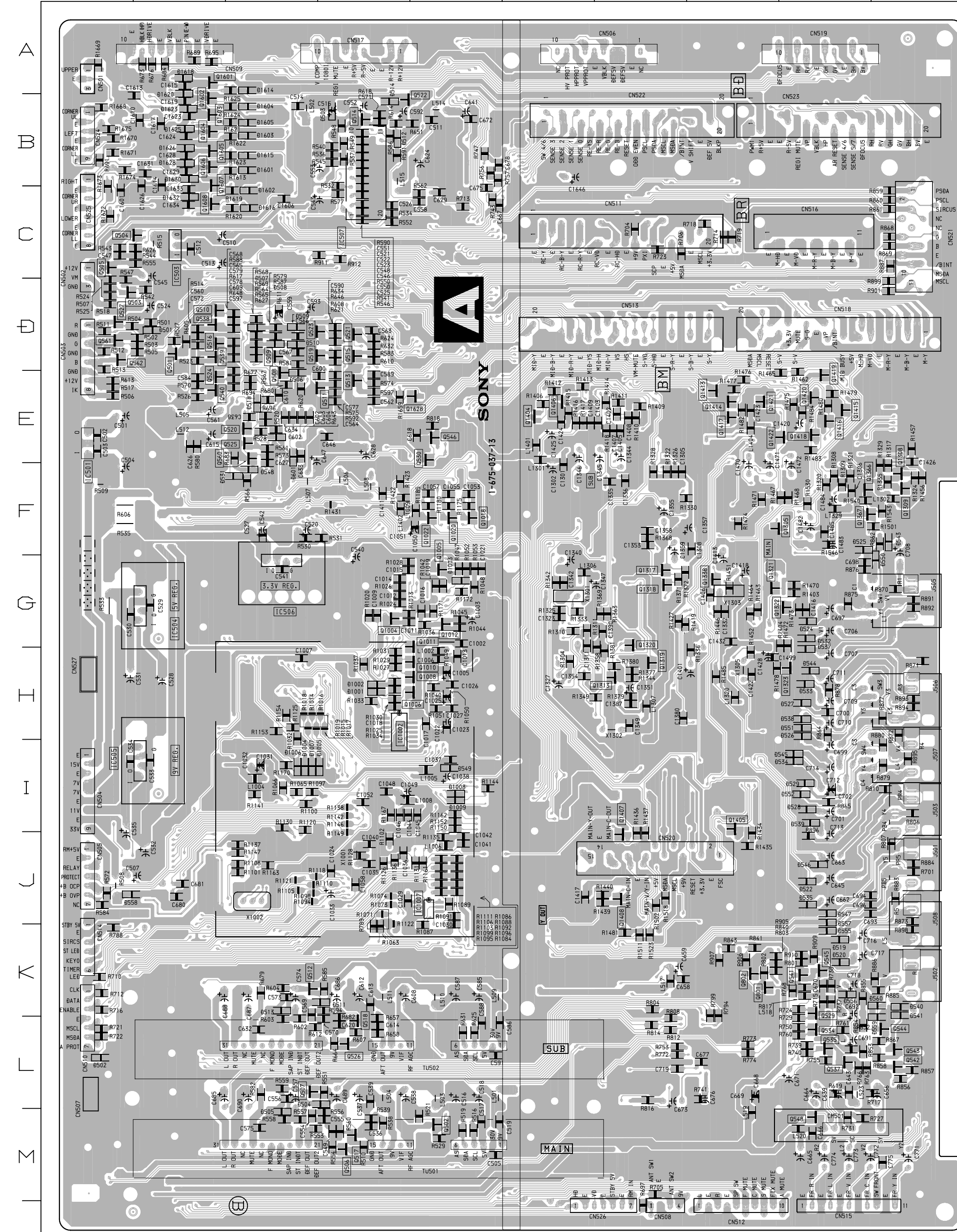
A BOARD

| DIODE | | TRANSISTOR | | IC | |
|-------|------|------------|------|--------|----------|
| L | R | L | R | L | R |
| D501 | D-2 | Q501 | D-2 | IC501 | E-10 E-1 |
| D502 | L-1 | Q502 | M-5 | IC503 | C-9 C-2 |
| D503 | B-4 | Q503 | C-1 | IC504 | G-10 G-2 |
| D504 | L-4 | Q504 | D-1 | IC505 | I-10 I-2 |
| D505 | M-3 | Q505 | A-6 | IC508 | G-8 G-3 |
| D506 | E-3 | Q506 | C-1 | IC507 | B-7 B-4 |
| D508 | D-3 | Q507 | L-3 | IC508 | C-8 |
| D509 | K-4 | Q508 | K-9 | IC509 | E-7 |
| D511 | B-4 | Q509 | K-9 | IC511 | E-8 |
| D512 | B-4 | Q510 | D-3 | IC512 | B-6 |
| D513 | K-3 | Q511 | D-2 | IC513 | F-8 |
| D514 | B-4 | Q512 | K-4 | IC515 | L-3 |
| D515 | A-6 | Q513 | E-4 | IC516 | C-8 |
| D516 | A-6 | Q514 | B-4 | IC517 | C-8 |
| D517 | A-6 | Q515 | H-9 | IC518 | A-8 |
| D518 | E-3 | Q516 | H-9 | IC519 | F-9 |
| D519 | K-9 | Q517 | I-9 | IC1001 | H-8 |
| D520 | K-9 | Q518 | I-9 | IC1002 | H-8 |
| D521 | D-10 | Q519 | F-3 | IC1003 | G-7 |
| D522 | J-9 | Q520 | G-9 | IC1004 | H-7 |
| D523 | J-10 | Q521 | H-9 | IC1005 | H-9 |
| D524 | G-9 | Q522 | I-9 | IC1007 | J-8 |
| D525 | F-10 | Q523 | J-9 | IC1009 | J-8 |
| D526 | H-9 | Q524 | F-3 | IC1010 | K-7 |
| D527 | H-9 | Q525 | I-9 | IC1301 | H-5 |
| D528 | I-9 | Q526 | I-5 | IC1302 | F-4 |
| D529 | I-9 | Q527 | G-10 | IC1303 | F-1 |
| D530 | F-8 | Q528 | H-9 | IC1305 | G-3 |
| D531 | F-3 | Q529 | G-9 | IC1307 | F-3 |
| D532 | G-9 | Q530 | H-9 | IC1401 | E-5 |
| D533 | H-9 | Q531 | I-9 | IC1402 | F-7 |
| D534 | I-9 | Q532 | J-9 | IC1403 | E-3 |
| D535 | J-9 | Q533 | F-3 | IC1404 | F-7 |
| D536 | G-9 | Q534 | I-5 | IC1604 | B-10 |
| D537 | H-9 | Q535 | G-10 | IC1606 | B-9 |
| D538 | I-9 | Q536 | H-9 | IC1608 | B-9 |
| D539 | I-9 | Q537 | I-5 | IC1609 | C-7 |
| D540 | K-10 | Q538 | G-10 | IC1623 | C-7 |
| D541 | K-10 | Q539 | H-9 | IC1624 | D-7 |
| D542 | J-10 | Q540 | I-5 | | |
| D543 | F-10 | Q541 | G-10 | | |
| D544 | H-9 | Q542 | H-9 | | |
| D545 | I-9 | Q543 | I-9 | | |
| D546 | J-9 | Q544 | J-9 | | |
| D547 | J-9 | Q545 | J-9 | | |
| D548 | F-3 | Q546 | F-3 | | |
| D549 | I-5 | Q547 | I-5 | | |
| D550 | G-10 | Q548 | G-10 | | |
| D551 | H-9 | Q549 | H-9 | | |
| D552 | I-9 | Q550 | I-9 | | |
| D553 | K-9 | Q551 | K-9 | | |
| D554 | K-9 | Q552 | K-9 | | |
| D555 | K-9 | Q553 | K-9 | | |
| D556 | J-9 | Q554 | J-9 | | |
| D557 | J-1 | Q555 | J-1 | | |
| D558 | K-10 | Q556 | K-10 | | |
| D559 | K-10 | Q557 | K-10 | | |
| D560 | K-10 | Q558 | K-10 | | |
| D1001 | H-4 | Q559 | H-4 | | |
| D1002 | H-4 | Q560 | H-4 | | |
| D1003 | G-5 | Q561 | G-5 | | |
| D1005 | I-3 | Q562 | I-3 | | |
| D1006 | I-3 | Q563 | I-3 | | |
| D1007 | I-3 | Q564 | I-3 | | |
| D1008 | I-3 | Q565 | I-3 | | |
| D1009 | I-5 | Q566 | I-5 | | |
| | | Q567 | | | |
| | | Q568 | | | |
| | | Q569 | | | |
| | | Q570 | | | |
| | | Q571 | | | |
| | | Q572 | | | |
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| | | Q579 | | | |
| | | Q580 | | | |
| | | Q581 | | | |
| | | Q582 | | | |
| | | Q583 | | | |
| | | Q584 | | | |
| | | Q585 | | | |
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| | | Q599 | | | |
| | | Q600 | | | |

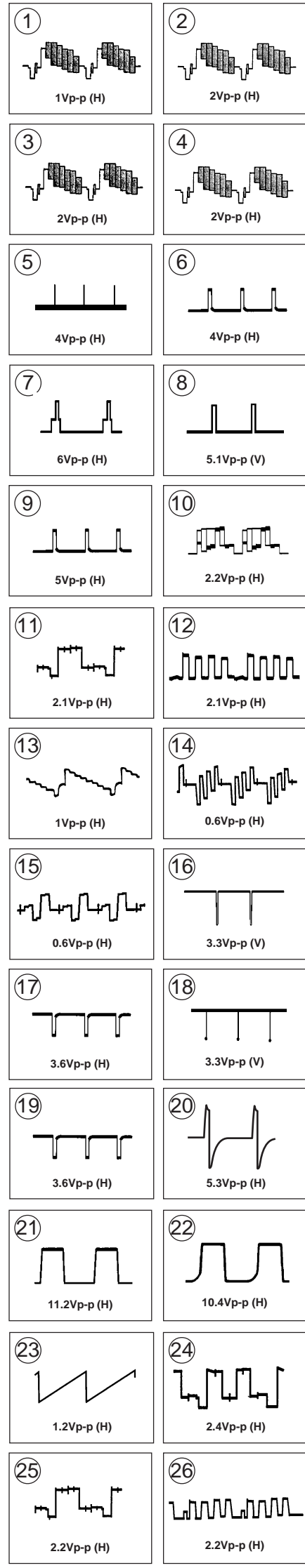
L: component side
R: conductor side

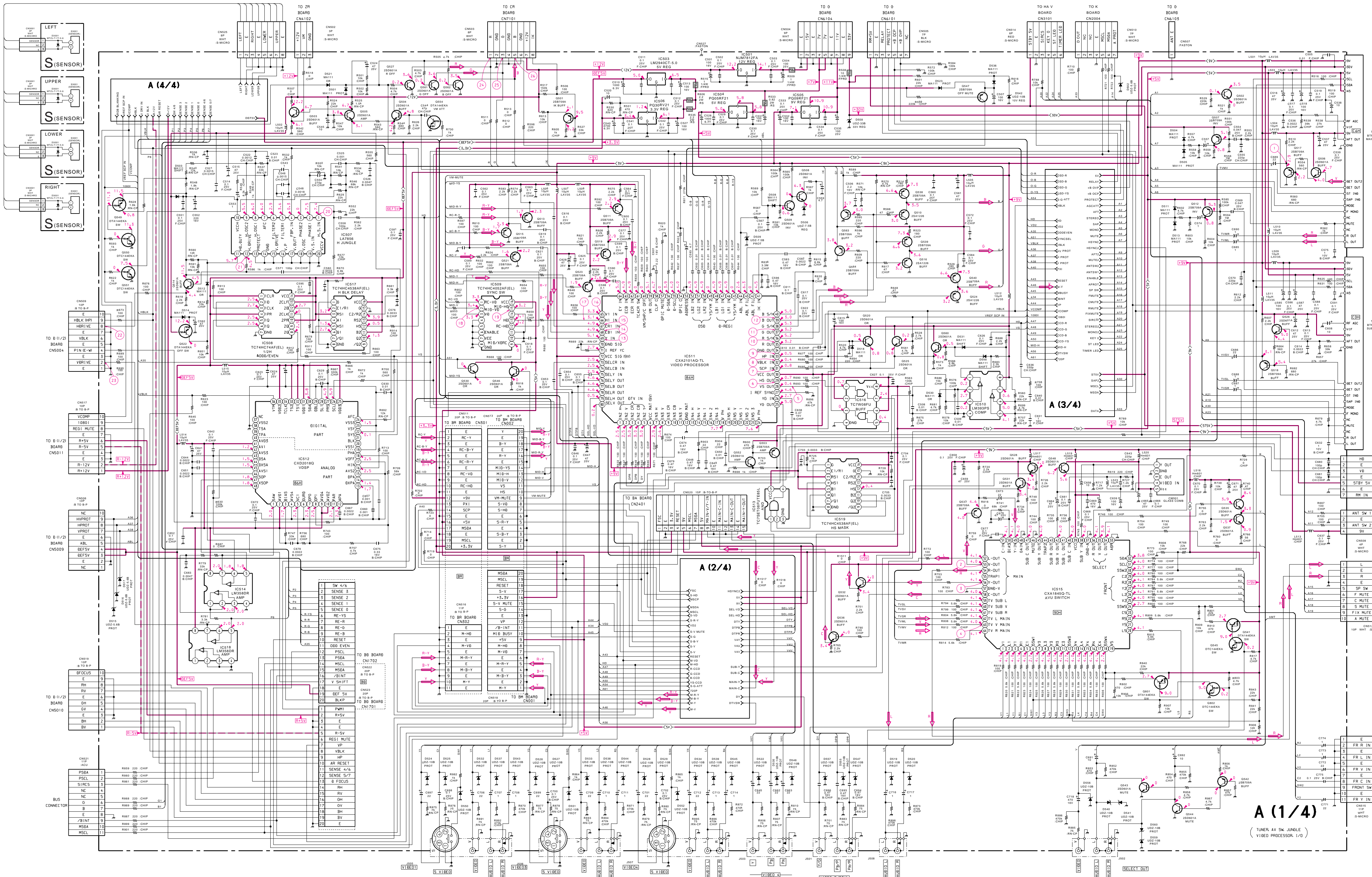
< Component Side >

1 2 3 4 5 6 7 8 9 10

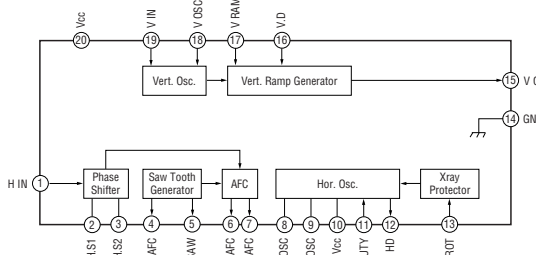


A (1/4) BOARD WAVEFORMS

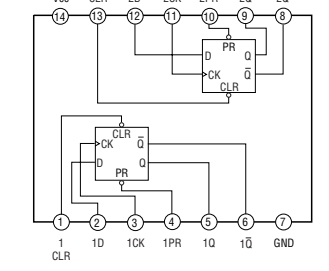




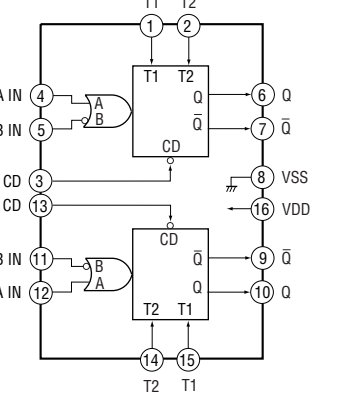
A(1/4) BOARD : IC507 LA7856



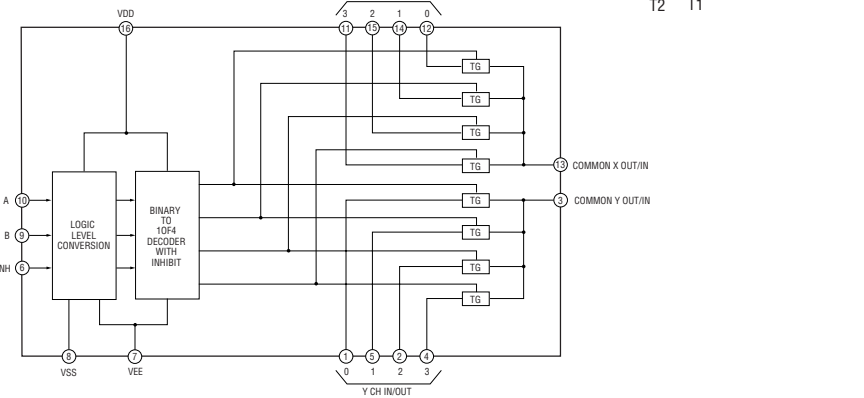
A(1/4) BOARD : IC508 TC74HC74AF (EL)



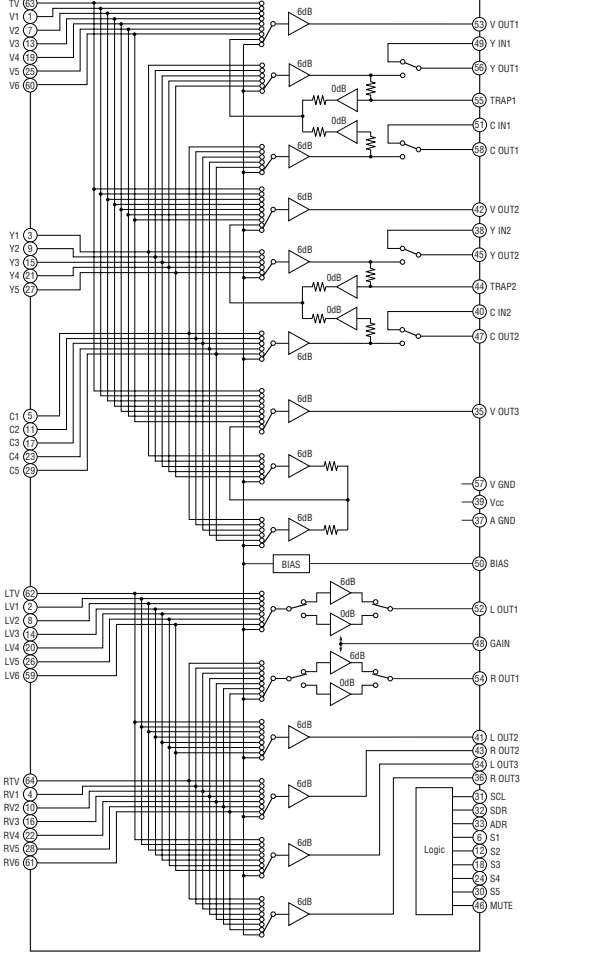
A(1/4) BOARD : IC517, 519 TC74HC4538AF (EL)



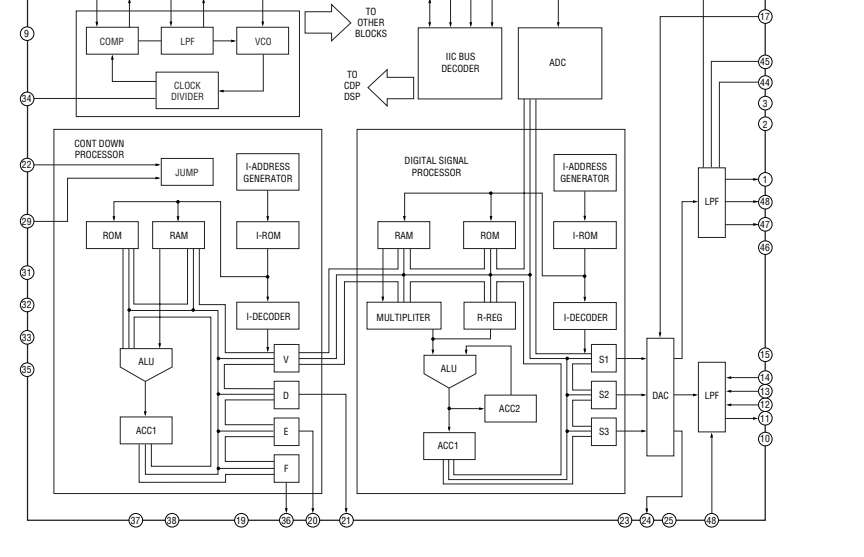
A(1/4) BOARD : IC509 MC74HC4052EL



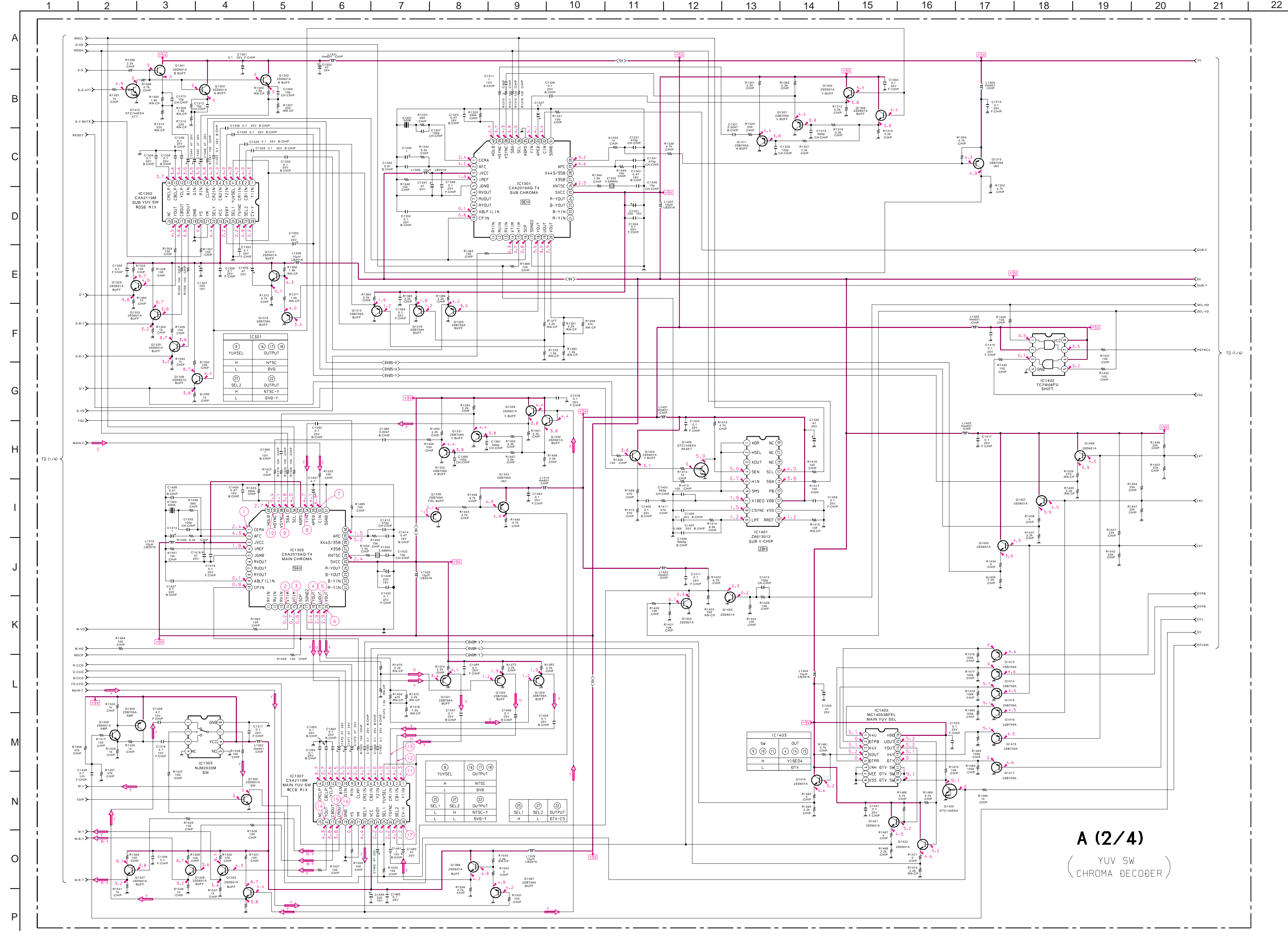
A(1/4) BOARD : IC515 CXA1845AQ



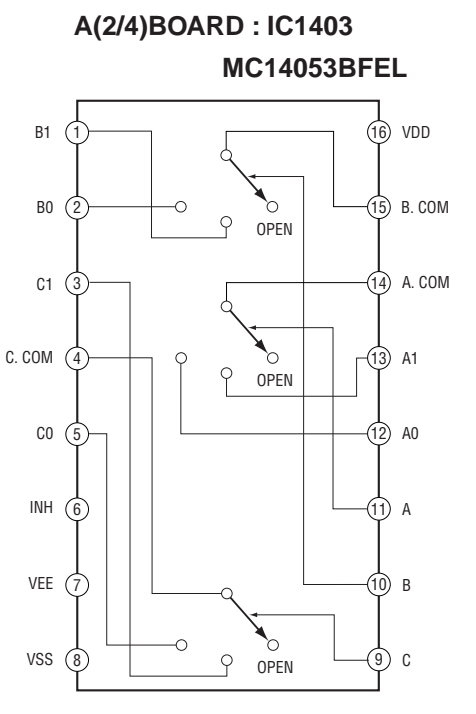
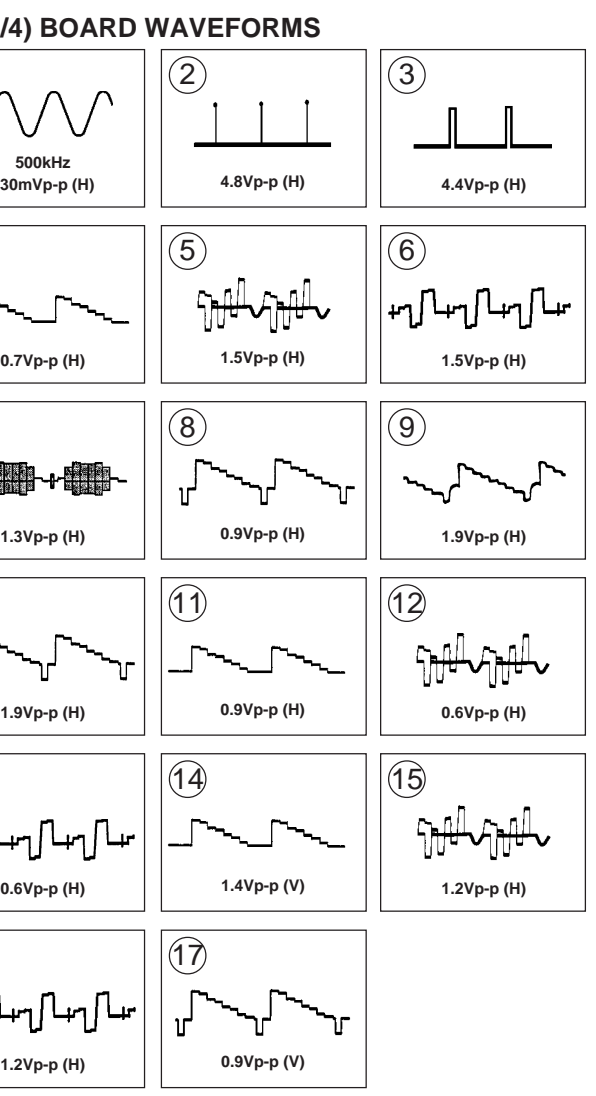
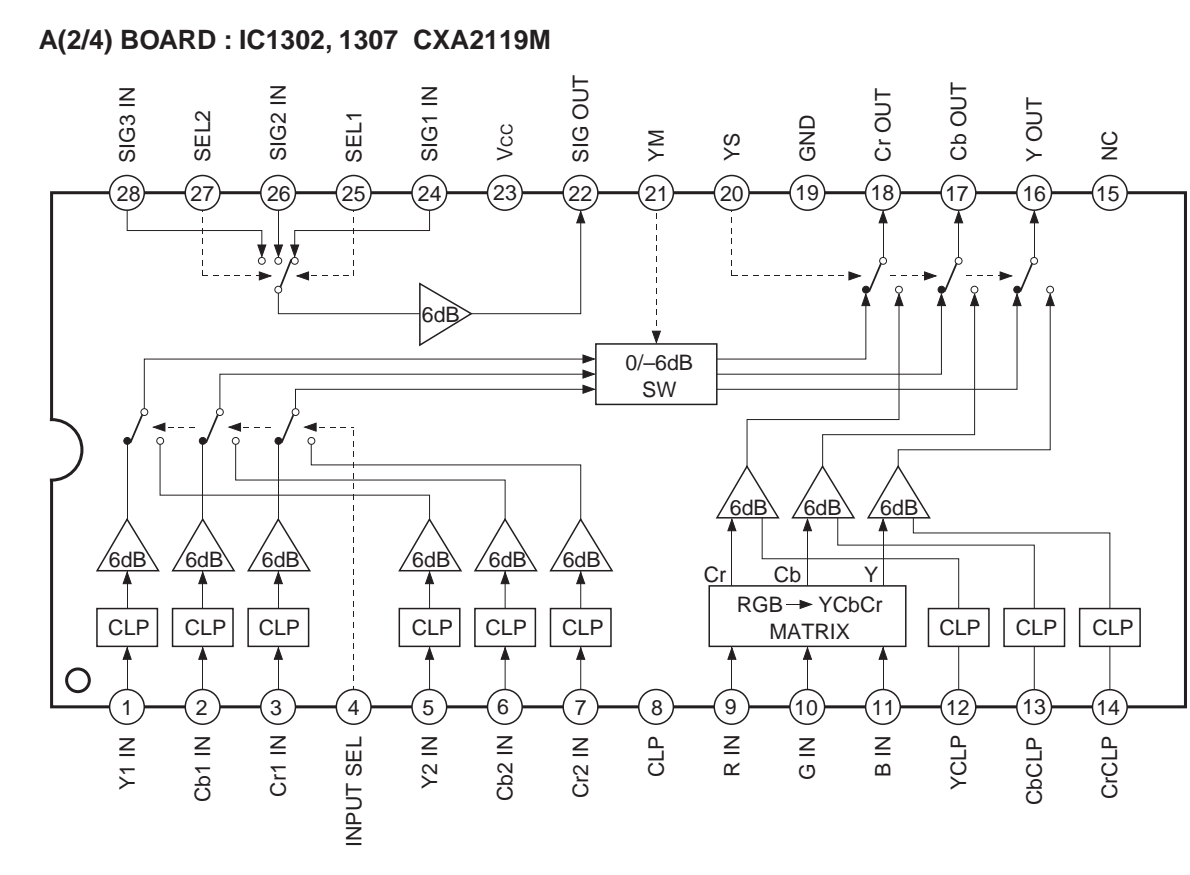
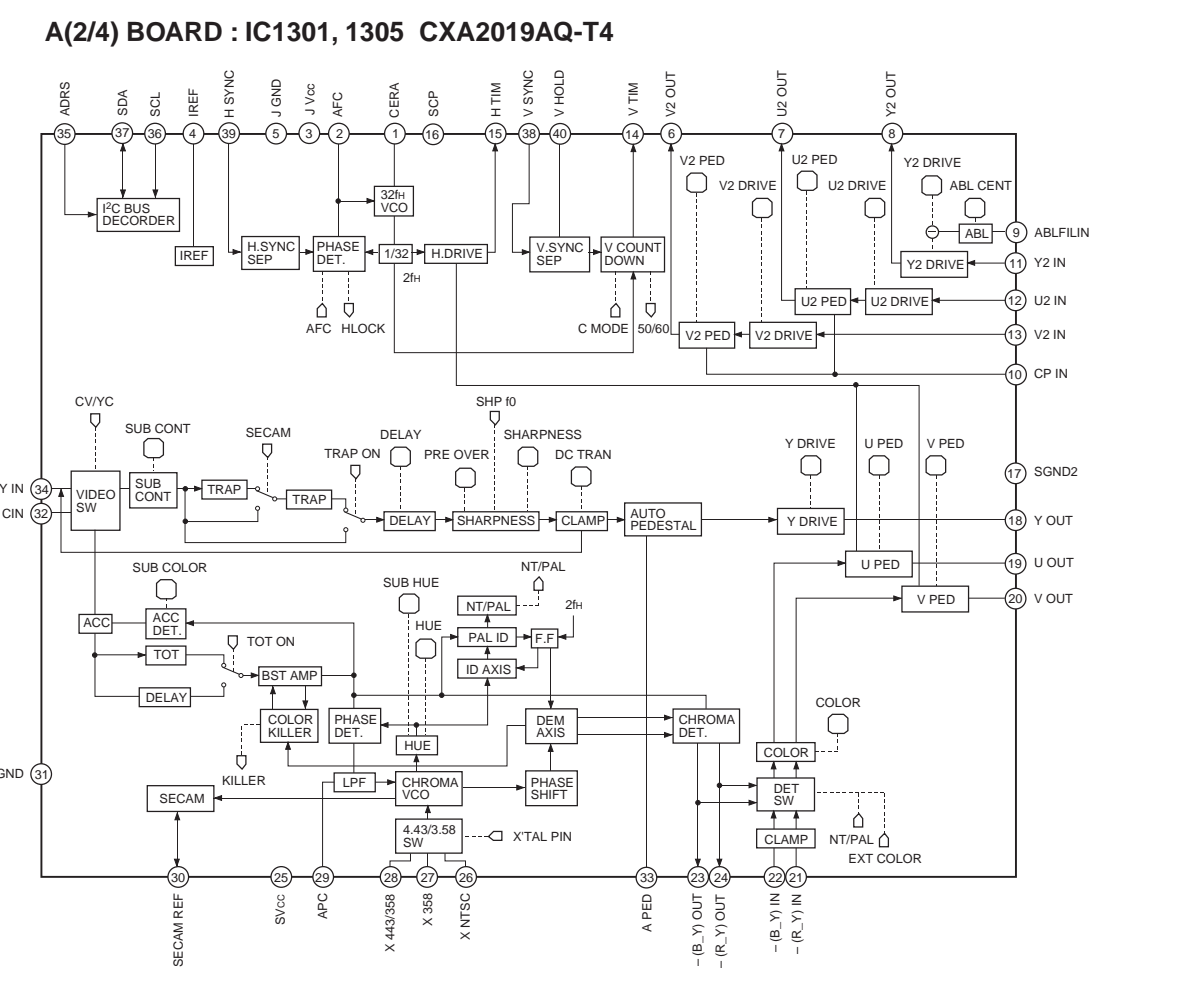
A(1/4) BOARD : IC512 CXD2018Q



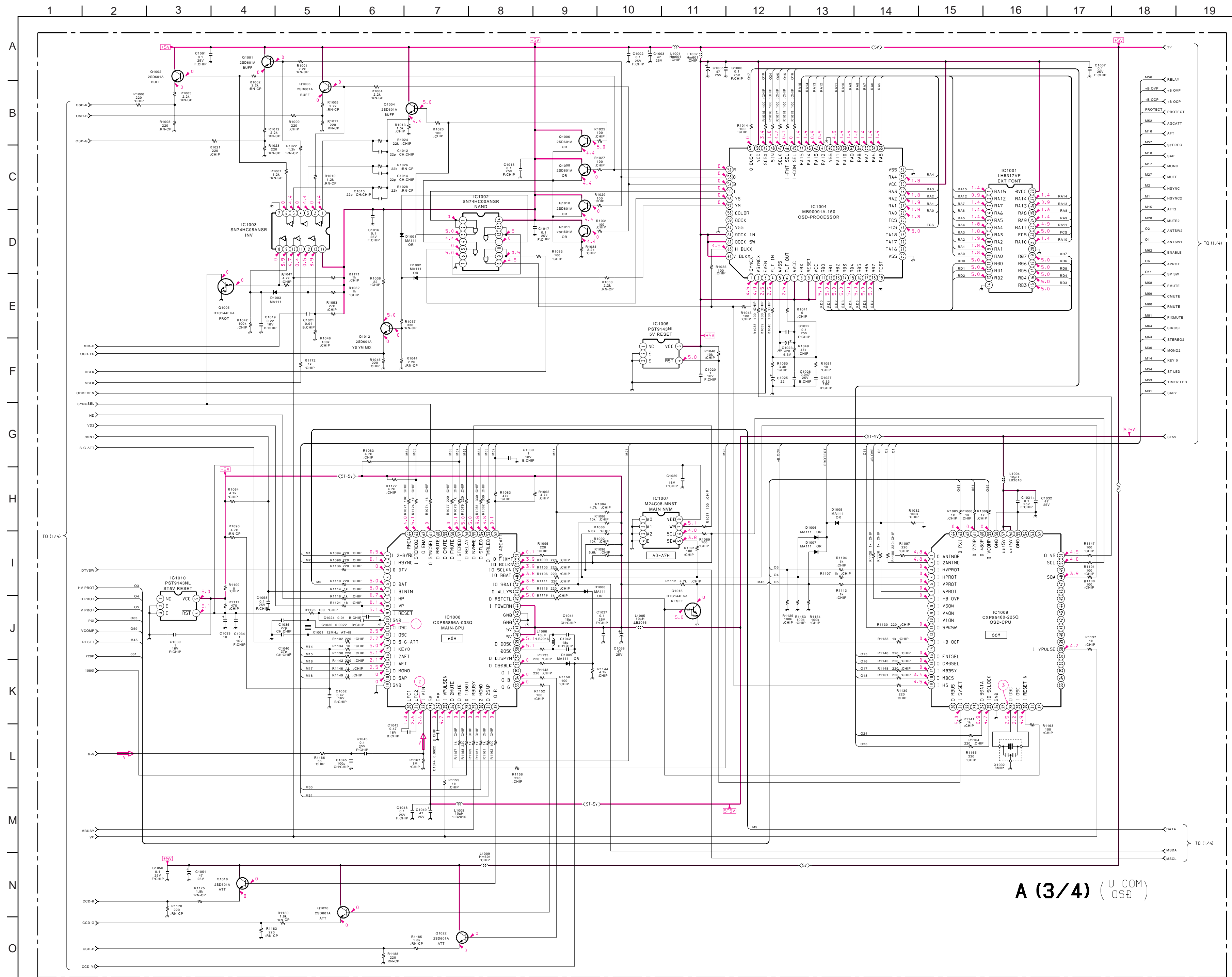
A (1/4) (TUNER AV SW JUNGLE VIDEO PROCESSOR 1/4)



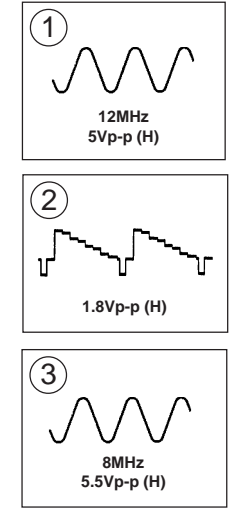
Schematic diagram
← A (1/4) board



A (2/4)
(YUV SW
CHROMA DECODER)

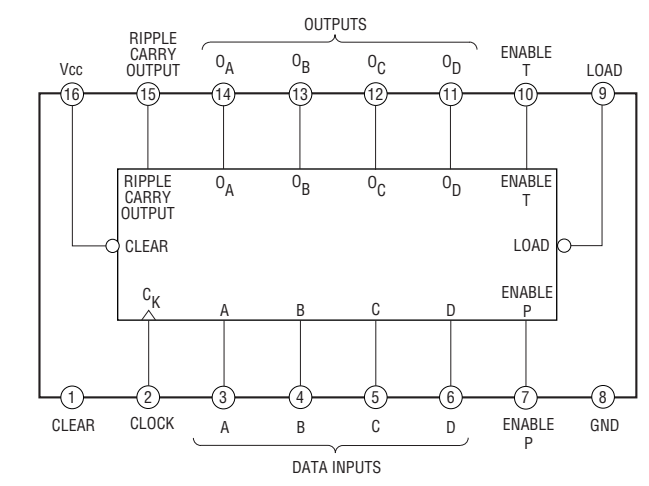


• A(3/4) BOARD WAVEFORMS

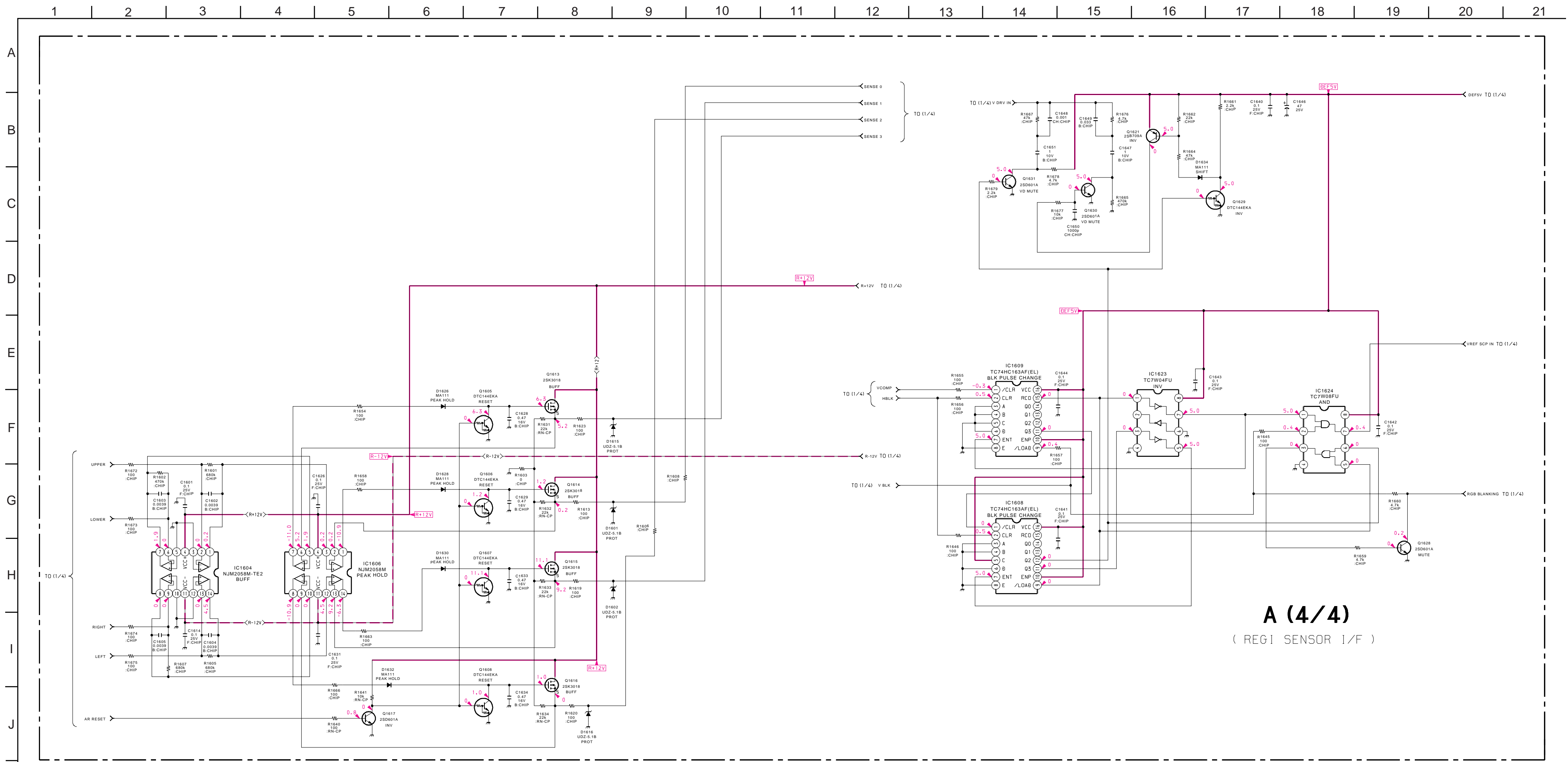
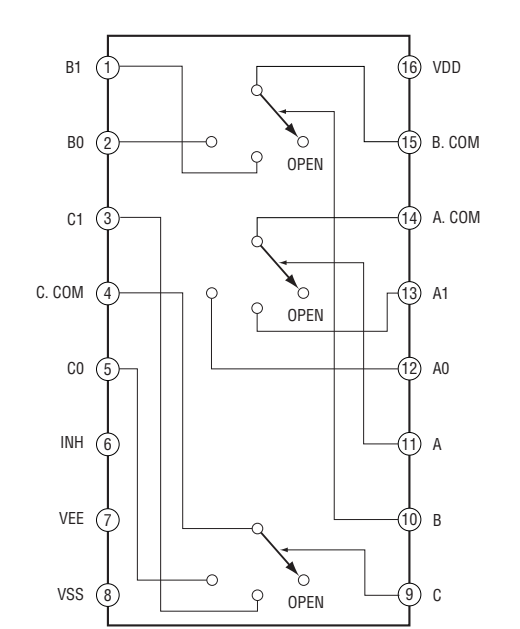


A (3/4) (U COM) OSD

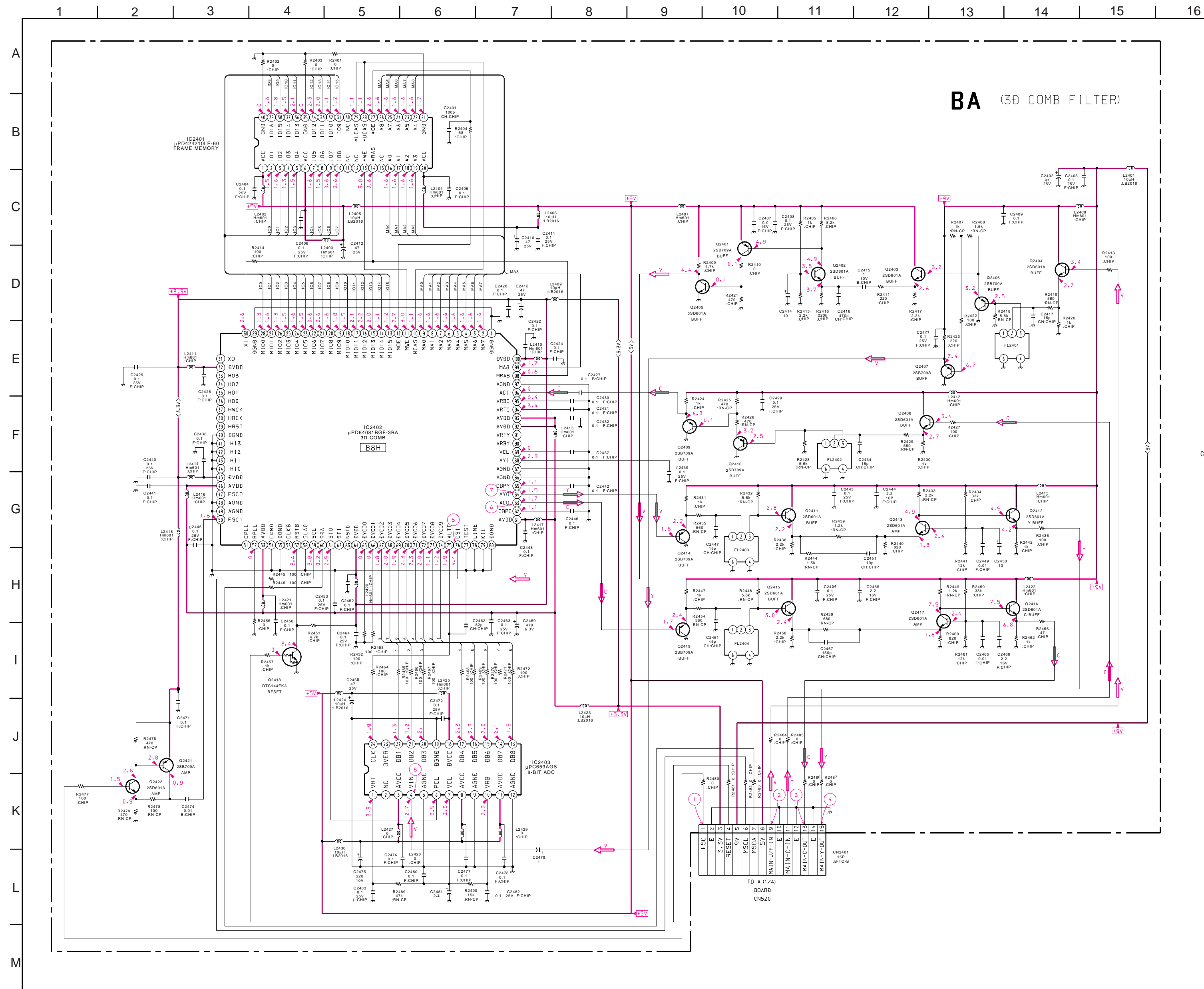
A(4/4) BOARD : IC1609, 1608 TC74HC163AF(EL)



A(4/4) BOARD : IC1603 MC14053BFEL

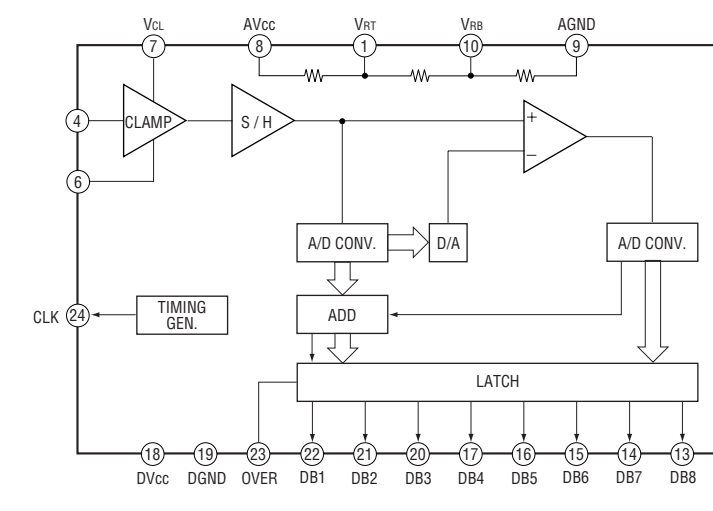


A (4/4)
(REG1 SENSOR 1/F)

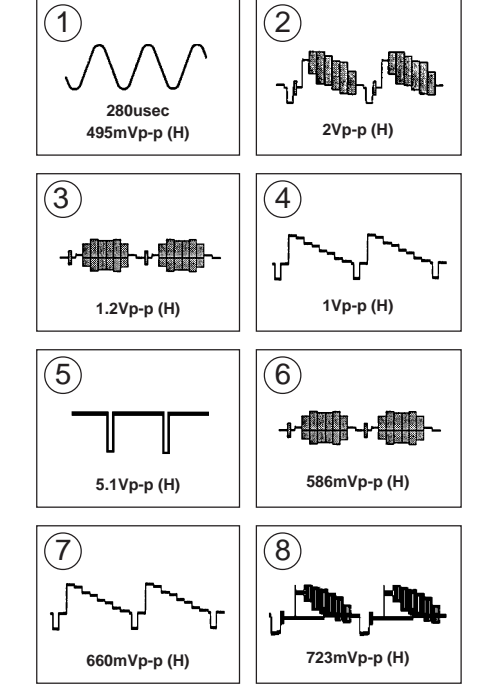


BA (3D COMB FILTER)

BA BOARD : IC7301 TDA6111Q/N4

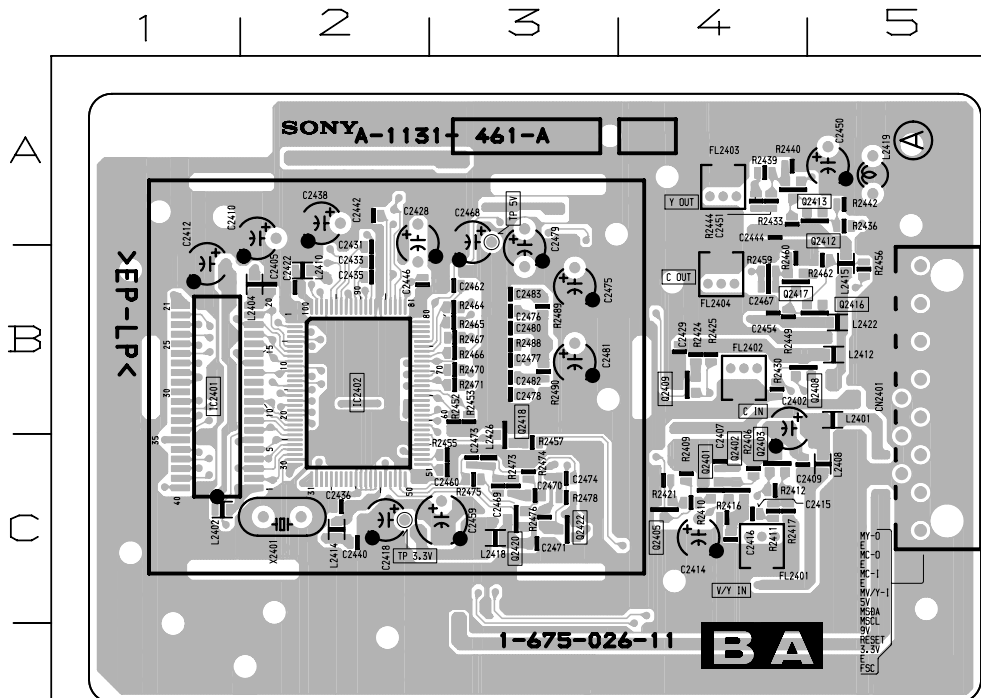


• BA BOARD WAVEFORMS

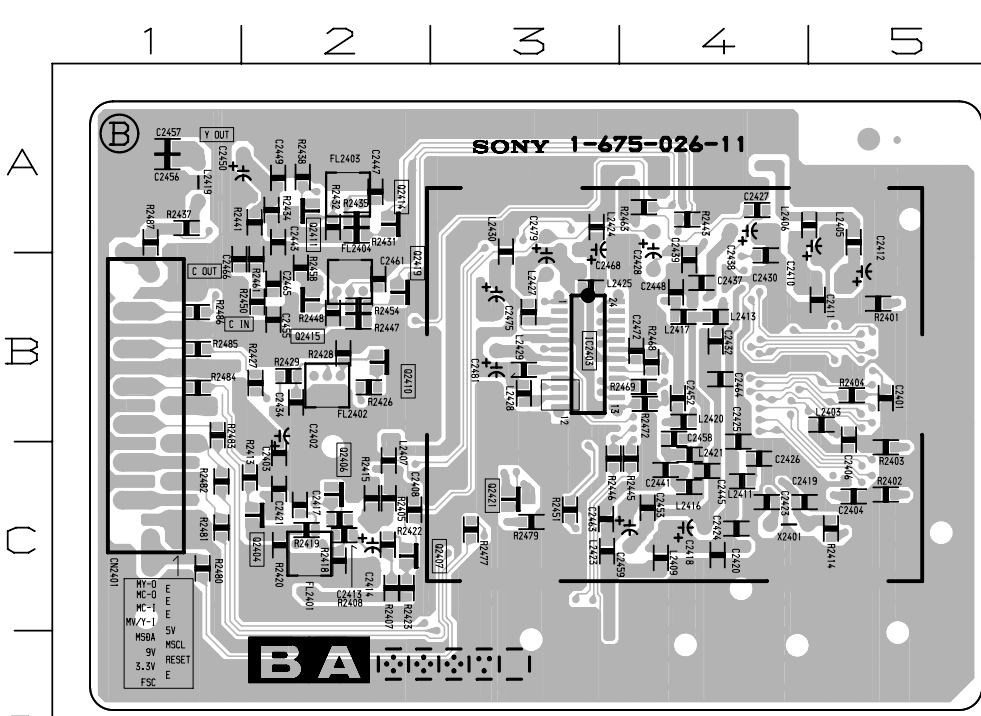


BA (3D COMB FILTER)

- BA Board -



< Component Side >



< Conductor Side >

BA BOARD

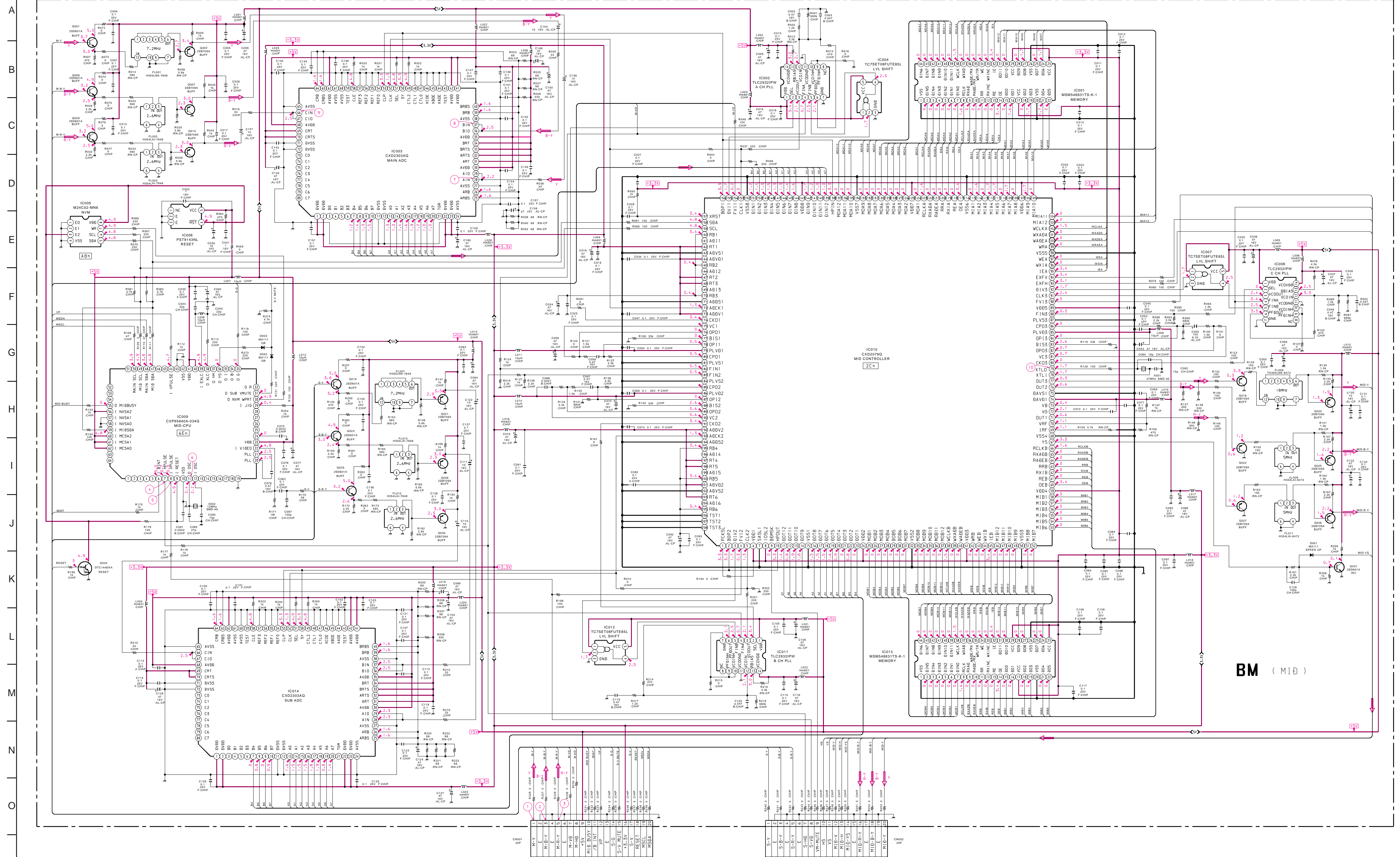
TRANSISTOR

| | L | R | ⊗ |
|-------|-----|---|---|
| Q2401 | C-4 | ⊗ | |
| Q2402 | C-4 | ⊗ | |
| Q2403 | C-4 | ⊗ | |
| Q2404 | C-4 | ⊗ | |
| Q2405 | C-4 | ⊗ | |
| Q2406 | C-2 | ⊗ | |
| Q2407 | C-2 | ⊗ | |
| Q2408 | B-4 | ⊗ | |
| Q2409 | B-4 | ⊗ | |
| Q2410 | B-2 | ⊗ | |
| Q2411 | A-2 | ⊗ | |
| Q2412 | A-5 | ⊗ | |
| Q2413 | A-4 | ⊗ | |
| Q2414 | A-2 | ⊗ | |
| Q2415 | B-2 | ⊗ | |
| Q2416 | B-5 | ⊗ | |
| Q2417 | B-4 | ⊗ | |
| Q2418 | C-3 | ⊗ | |
| Q2419 | B-2 | ⊗ | |
| Q2421 | C-3 | ⊗ | |
| Q2422 | C-3 | ⊗ | |

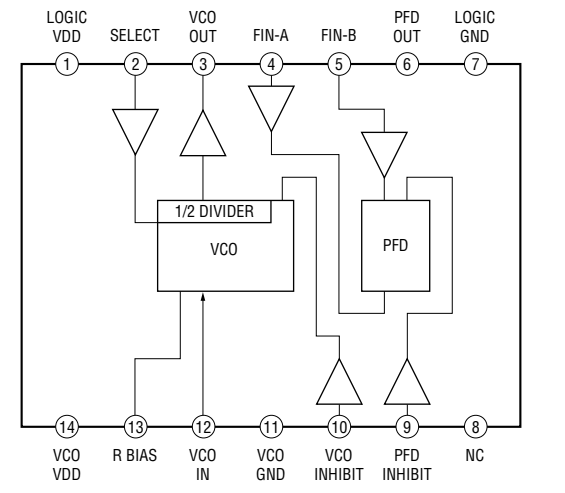
IC

| | L | R |
|--------|-----|---|
| IC2401 | B-1 | |
| IC2402 | B-2 | |
| IC2403 | B-3 | |

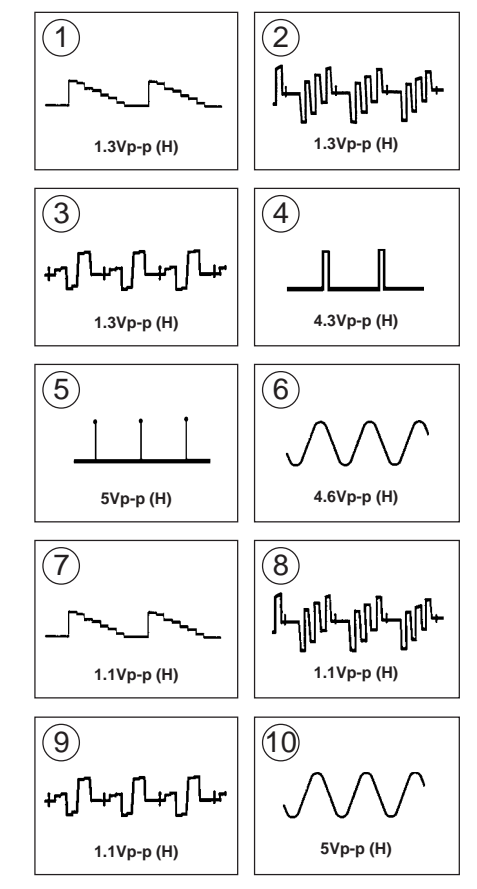
L : component side
R : conductor side



BM BOARD : IC002, 008, 011 TLC2932IPW



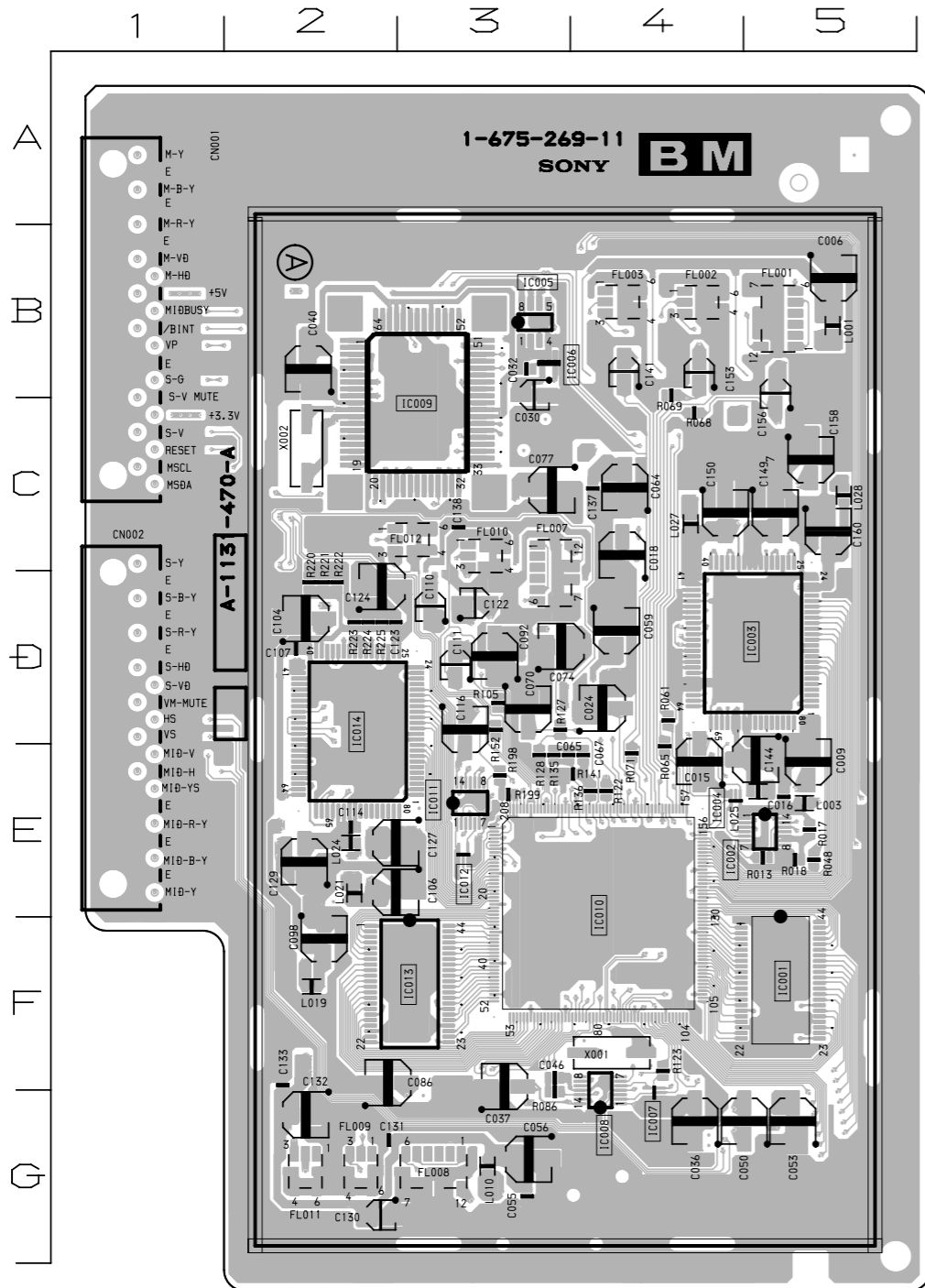
• BM BOARD WAVEFORMS



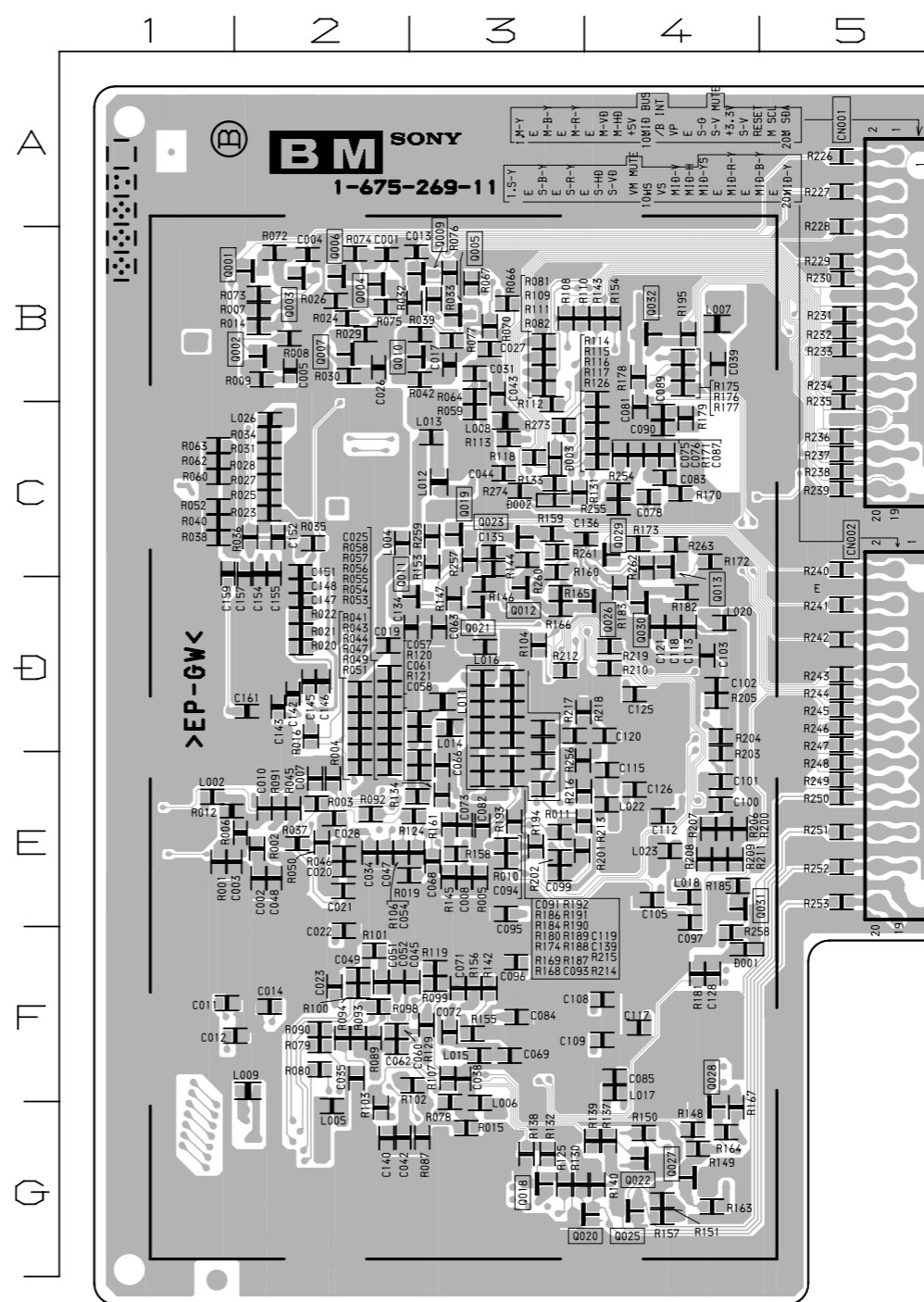
BM (MID)

BM [MID]

- BM Board -



< Component Side >



< Conductor Side >

BM BOARD

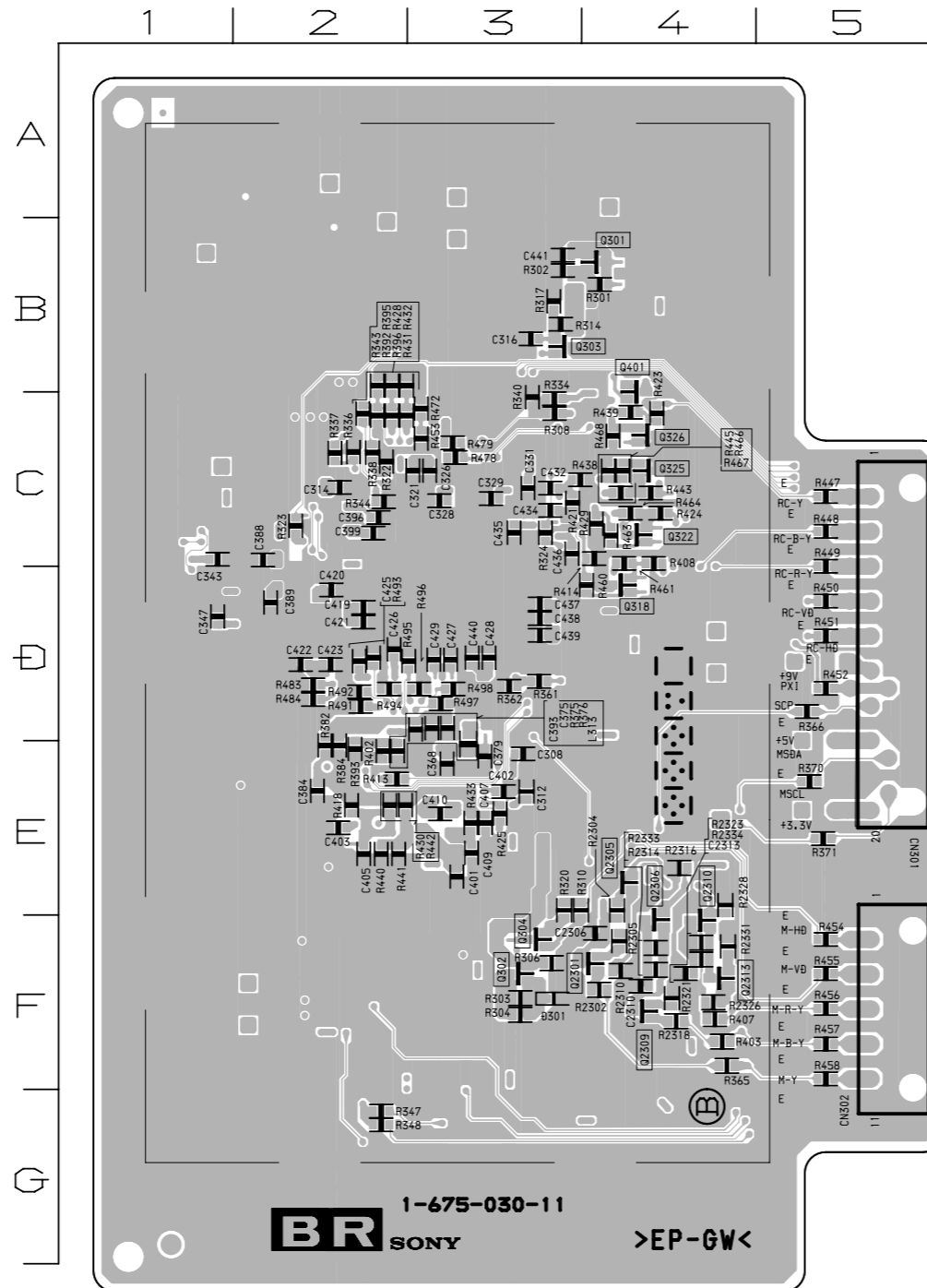
| DIODE | | |
|------------|-----|-----|
| | L | R * |
| D001 | F-4 | ⓐ |
| D002 | C-3 | ⓐ |
| D003 | C-3 | ⓐ |
| TRANSISTOR | | |
| | L | R * |
| Q001 | B-2 | ⓐ |
| Q002 | B-2 | ⓐ |
| Q006 | B-2 | ⓐ |
| Q007 | B-2 | ⓐ |
| Q009 | B-3 | ⓐ |
| Q010 | B-3 | ⓐ |
| Q018 | G-3 | ⓐ |
| Q019 | C-3 | ⓐ |
| Q020 | G-4 | ⓐ |
| Q021 | D-3 | ⓐ |
| Q022 | G-5 | ⓐ |
| Q023 | C-3 | ⓐ |
| Q025 | G-4 | ⓐ |
| Q026 | D-4 | ⓐ |
| Q027 | G-5 | ⓐ |
| Q028 | G-5 | ⓐ |
| Q029 | C-4 | ⓐ |
| Q030 | D-4 | ⓐ |
| Q031 | E-4 | ⓐ |
| Q032 | B-4 | ⓐ |
| IC | | |
| | L | R |
| IC001 | F-5 | |
| IC002 | E-5 | |
| IC003 | D-5 | |
| IC004 | E-4 | |
| IC005 | B-3 | |
| IC006 | B-3 | |
| IC007 | G-4 | |
| IC008 | G-4 | |
| IC009 | C-3 | |
| IC010 | E-4 | |
| IC011 | E-3 | |
| IC012 | E-3 | |
| IC013 | F-3 | |
| IC014 | D-2 | |

L ; component side
R ; conductor side

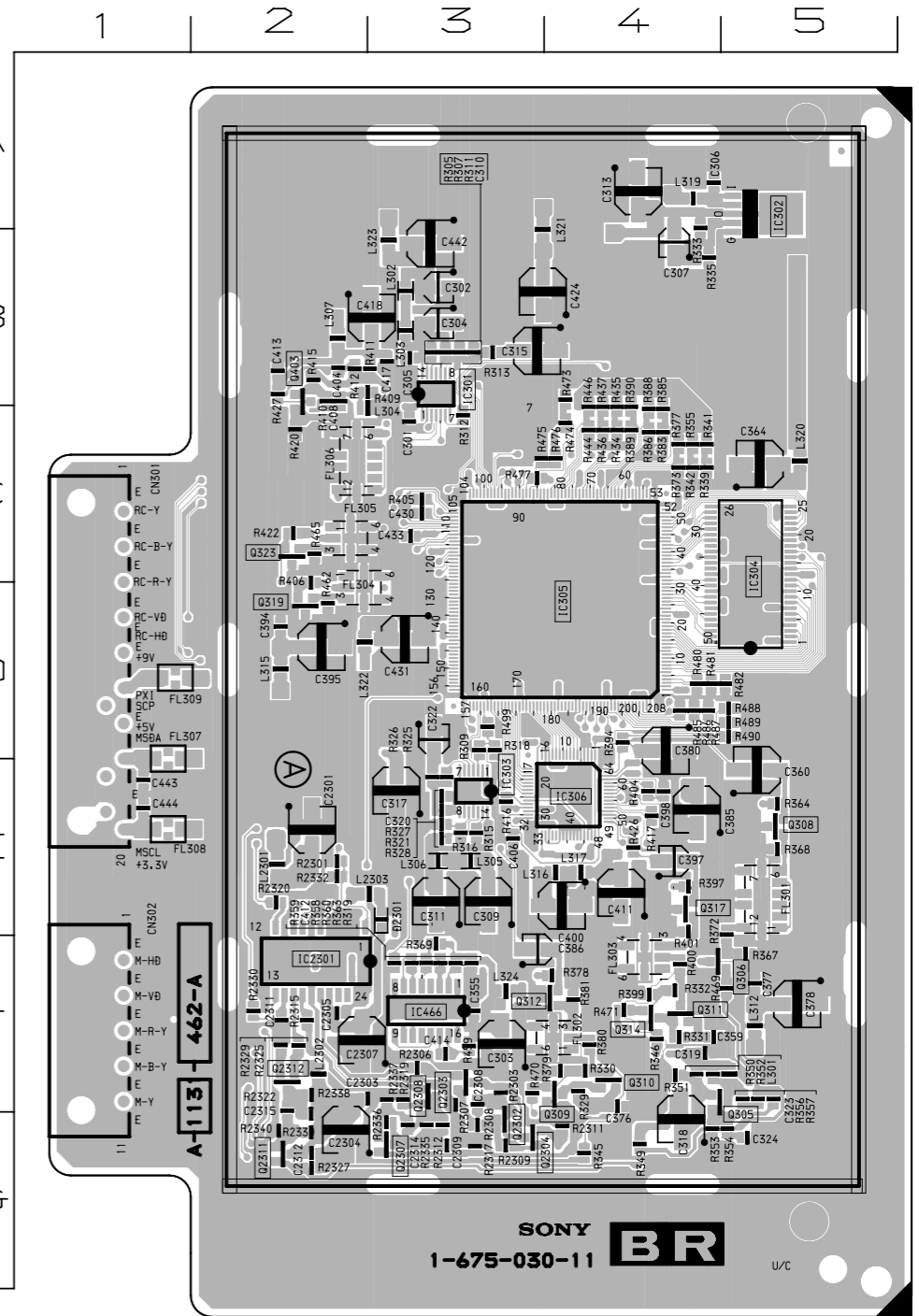
BR BOARD

| DIODE | | | |
|------------|-----|---|---|
| | L | R | * |
| D301 | F-3 | ③ | |
| D2301 | E-3 | ③ | |
| TRANSISTOR | | | |
| | L | R | * |
| Q301 | B-4 | ① | |
| Q302 | F-3 | ① | |
| Q303 | B-3 | ① | |
| Q306 | F-5 | ② | |
| Q308 | E-4 | ② | |
| Q312 | F-3 | ② | |
| Q317 | E-4 | ② | |
| Q318 | D-4 | ① | |
| Q319 | D-2 | ② | |
| Q322 | C-4 | ① | |
| Q323 | C-2 | ② | |
| Q325 | C-4 | ① | |
| Q326 | C-4 | ① | |
| Q401 | B-4 | ① | |
| Q403 | B-2 | ② | |
| Q2301 | F-4 | ① | |
| Q2302 | G-3 | ② | |
| Q2303 | F-3 | ② | |
| Q2304 | G-3 | ② | |
| Q2305 | E-4 | ① | |
| Q2306 | F-4 | ① | |
| Q2307 | G-3 | ② | |
| Q2308 | F-3 | ② | |
| Q2309 | F-4 | ① | |
| Q2310 | F-4 | ① | |
| Q2311 | G-3 | ② | |
| Q2312 | F-2 | ② | |
| Q2313 | F-4 | ① | |
| IC | | | |
| | L | R | |
| IC301 | B-3 | | |
| IC302 | A-5 | | |
| IC303 | E-3 | | |
| IC304 | C-5 | | |
| IC305 | D-4 | | |
| IC306 | E-4 | | |
| IC466 | F-3 | | |
| IC2301 | F-2 | | |

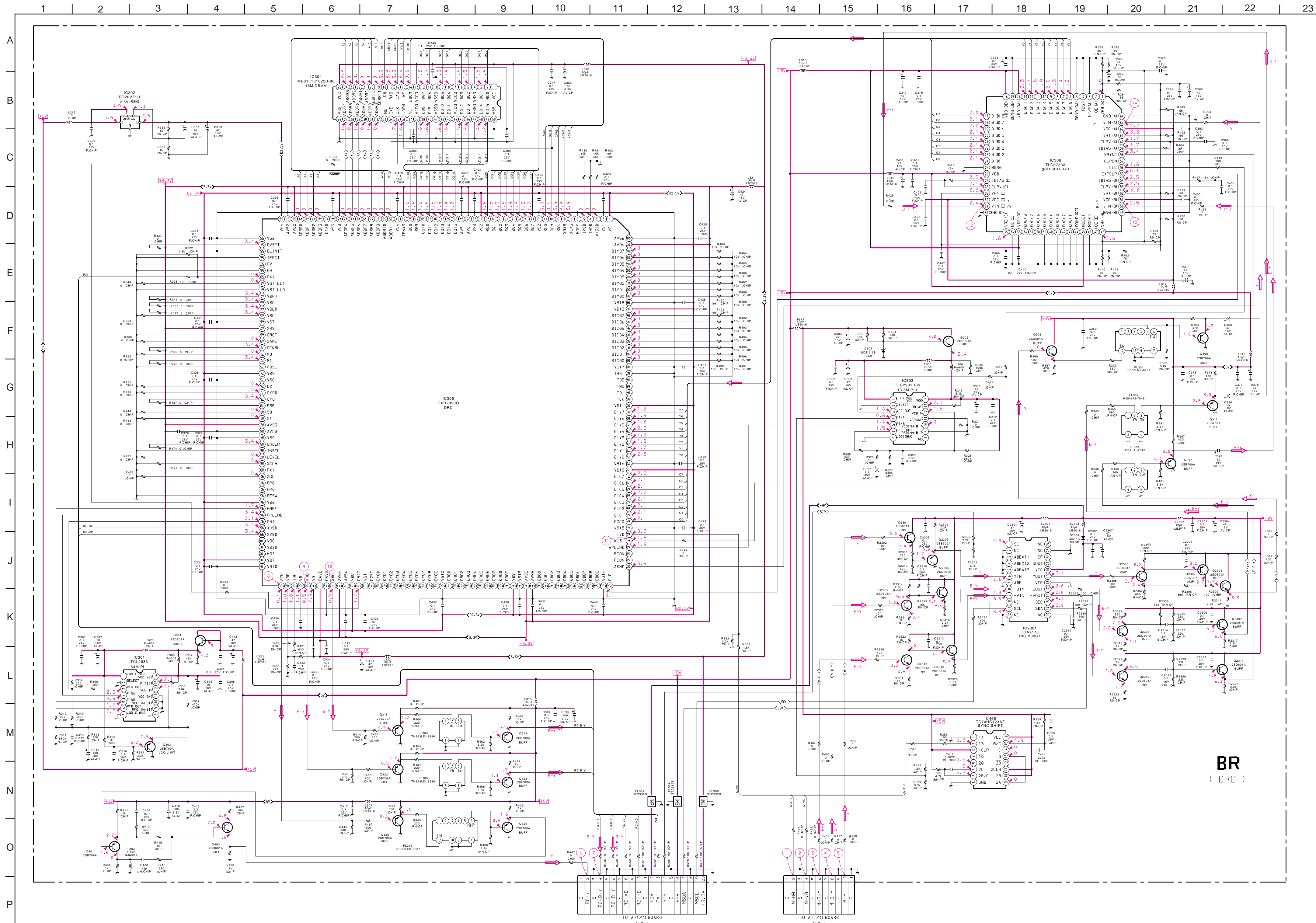
L ; component side
R ; conductor side



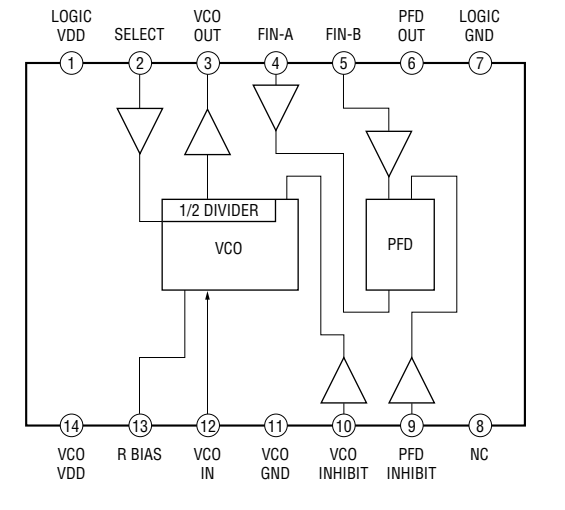
< Component Side >



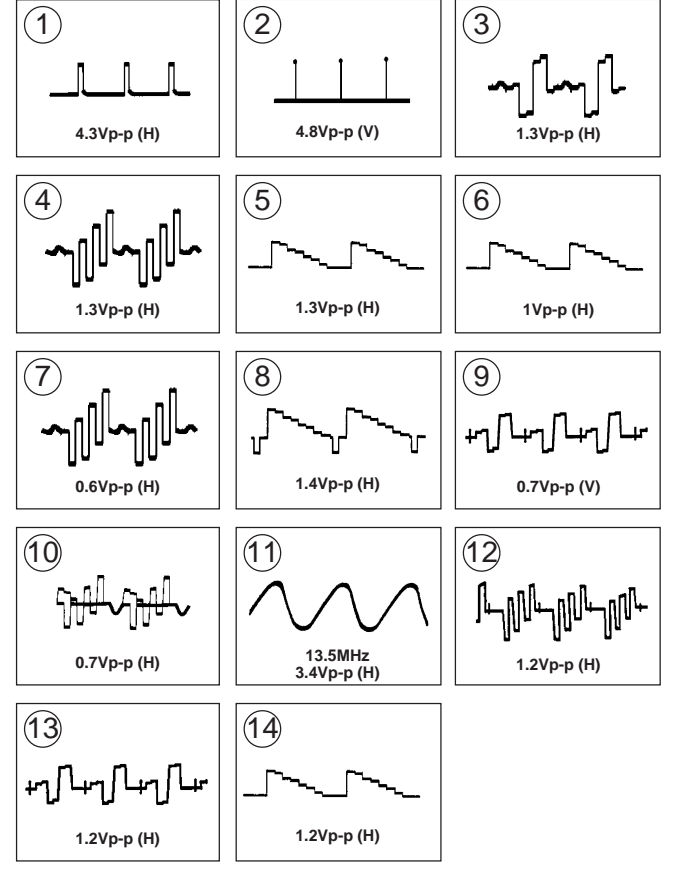
< Conductor Side >

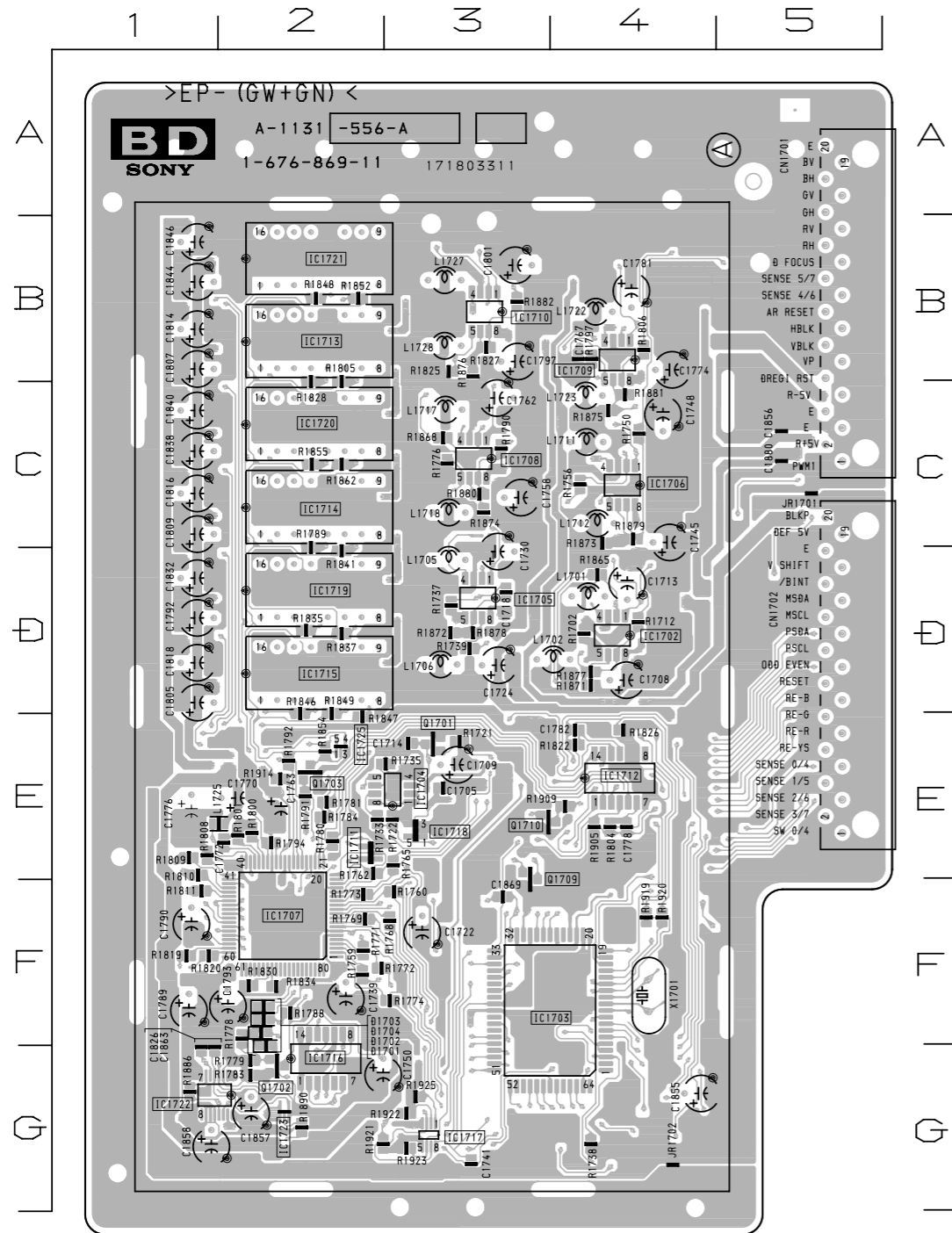


BR BOARD : IC303 TLC2932IPW

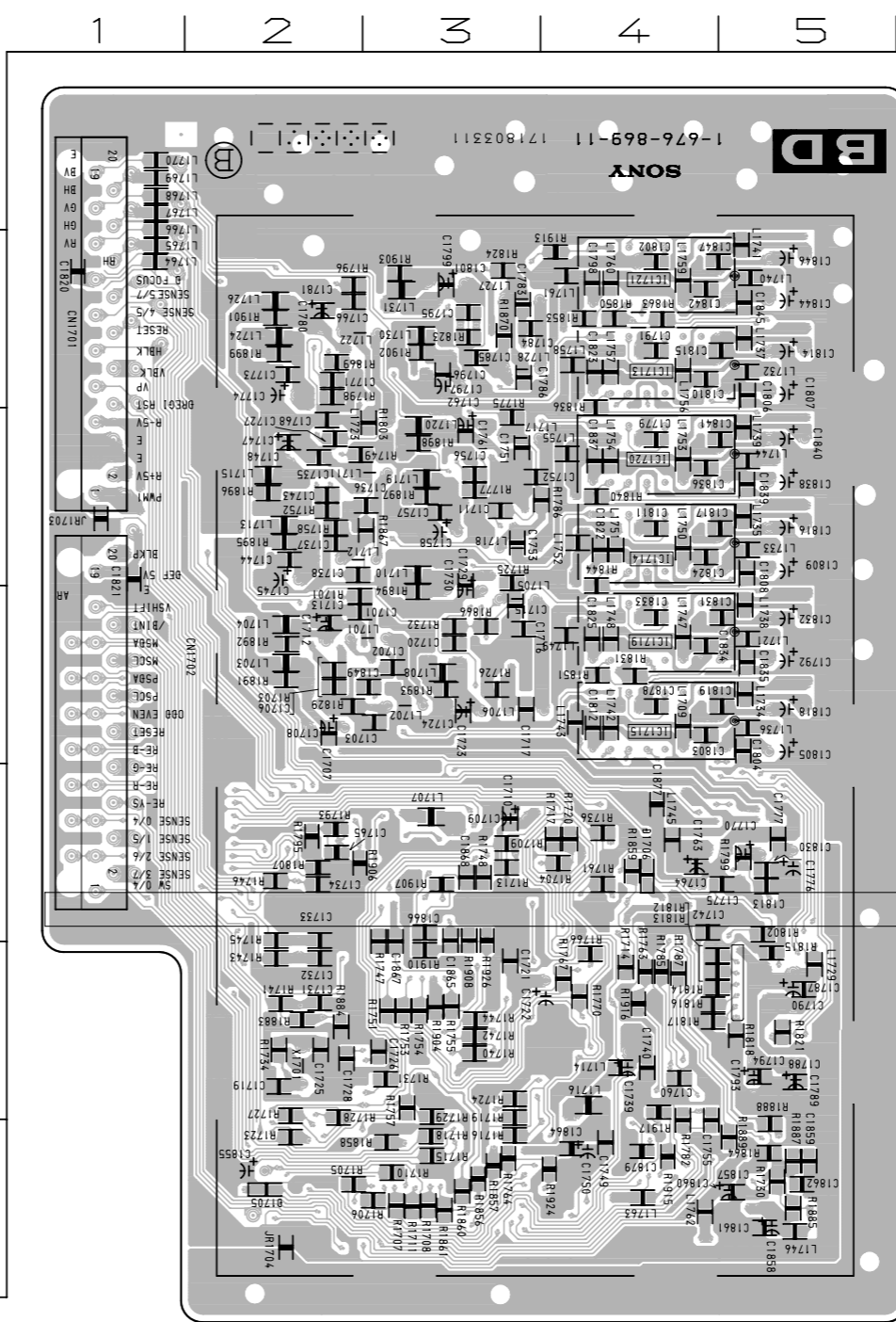


BR BOARD WAVEFORMS





< Component Side >

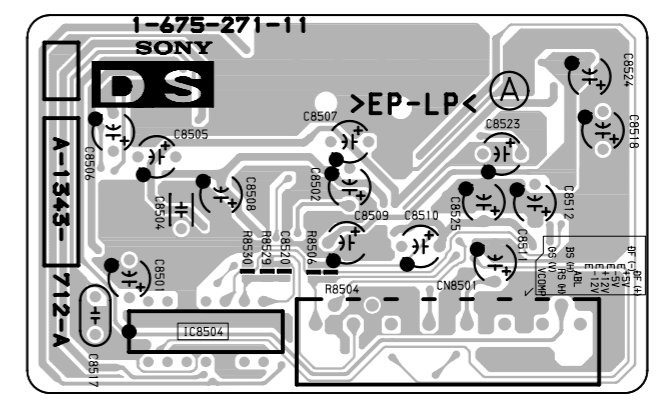


< Conductor Side >

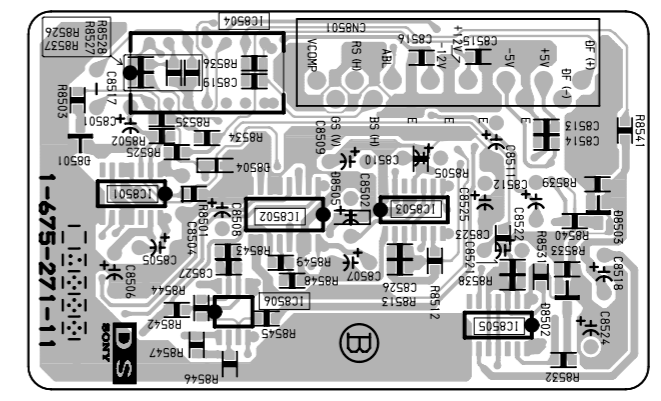
BD BOARD

| DIODE | | |
|------------|-----|-----|
| | L | R |
| D1701 | G-2 | ③ |
| D1702 | F-2 | ③ |
| D1703 | F-2 | ③ |
| D1704 | F-2 | ③ |
| D1705 | G-2 | ③ |
| D1706 | E-4 | ③ |
| TRANSISTOR | | |
| | L | R |
| Q1701 | E-3 | ② |
| Q1702 | G-2 | ② |
| Q1703 | E-2 | ② |
| Q1709 | F-3 | ② |
| Q1710 | E-3 | ② |
| IC | | |
| | L | R |
| IC1702 | D-4 | |
| IC1703 | F-4 | |
| IC1704 | E-3 | |
| IC1705 | D-3 | |
| IC1706 | C-4 | |
| IC1707 | F-2 | |
| IC1708 | C-3 | |
| IC1709 | B-4 | |
| IC1710 | B-3 | |
| IC1712 | E-4 | |
| IC1713 | B-2 | B-4 |
| IC1714 | C-2 | C-4 |
| IC1715 | D-2 | D-4 |
| IC1716 | G-2 | |
| IC1717 | G-3 | |
| IC1718 | E-3 | |
| IC1719 | D-2 | D-4 |
| IC1720 | C-2 | C-4 |
| IC1721 | B-2 | B-4 |
| IC1722 | G-1 | |
| IC1723 | G-2 | |
| IC1725 | E-2 | |

L ; component side
R ; conductor side

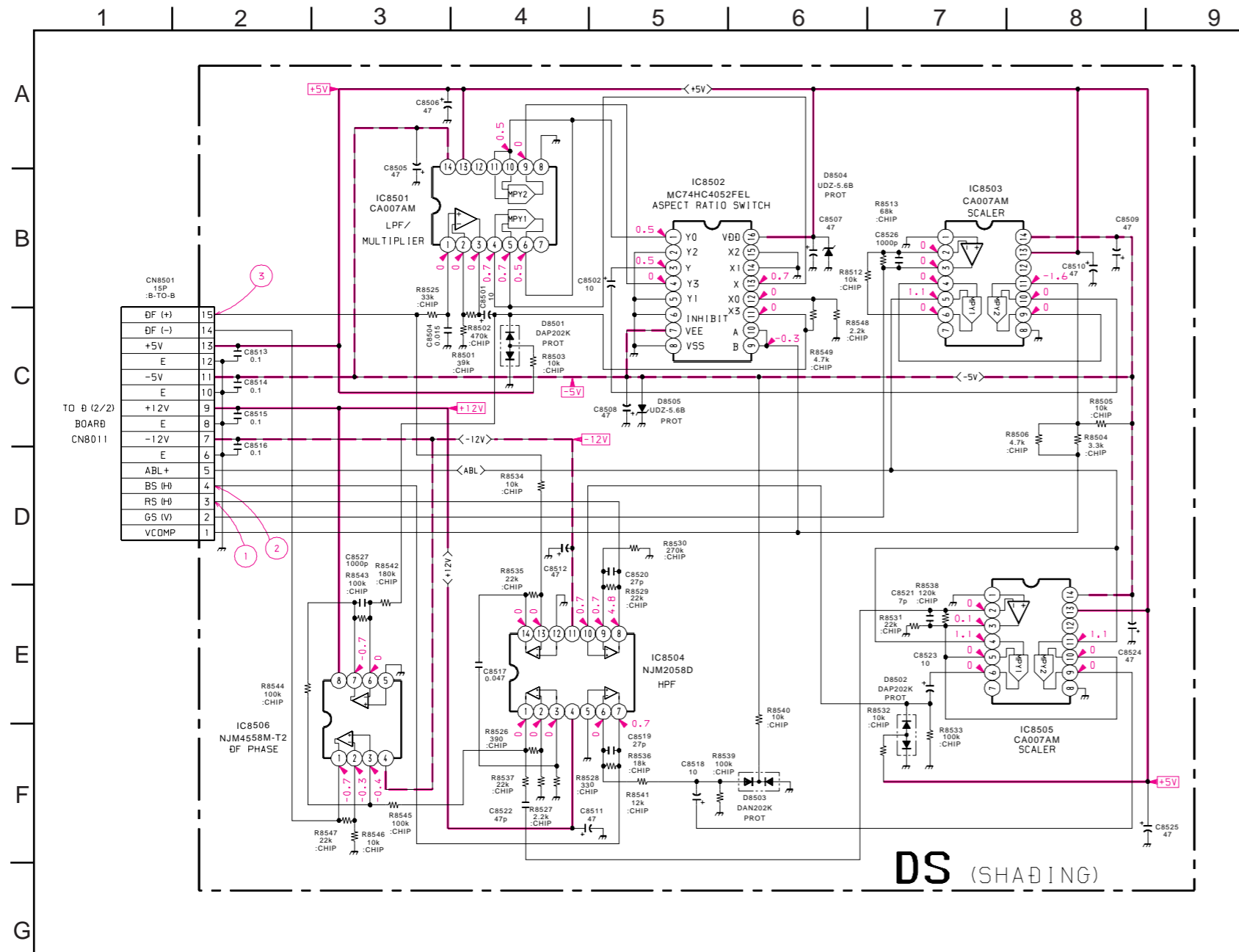
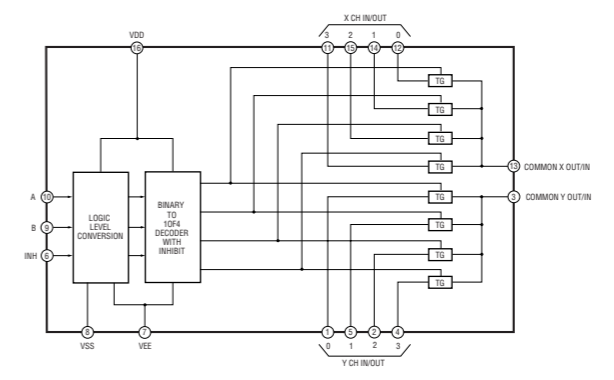


< Component Side >



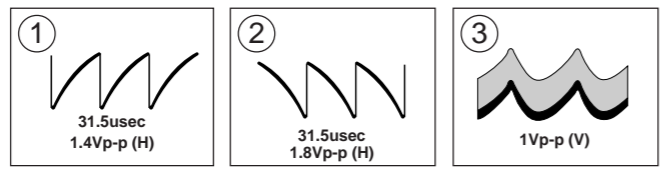
< Conductor Side >

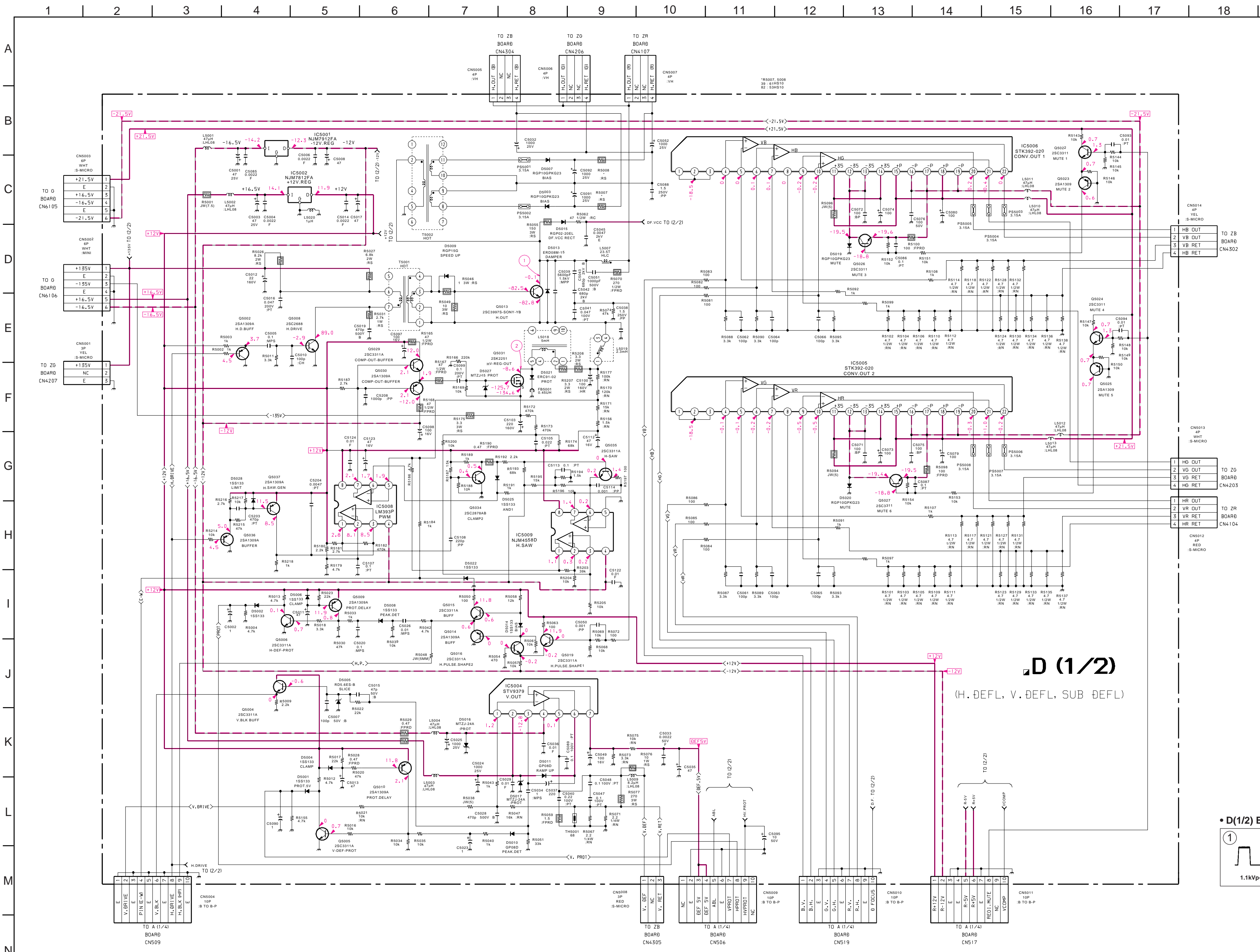
DS BOARD : IC8502 MC74HC4052FEL



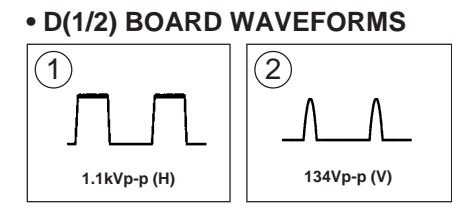
DS [SHADING]

• DS BOARD WAVEFORMS





D (1/2)
(H. DEFL. V. DEFL. SUB DEFL.)

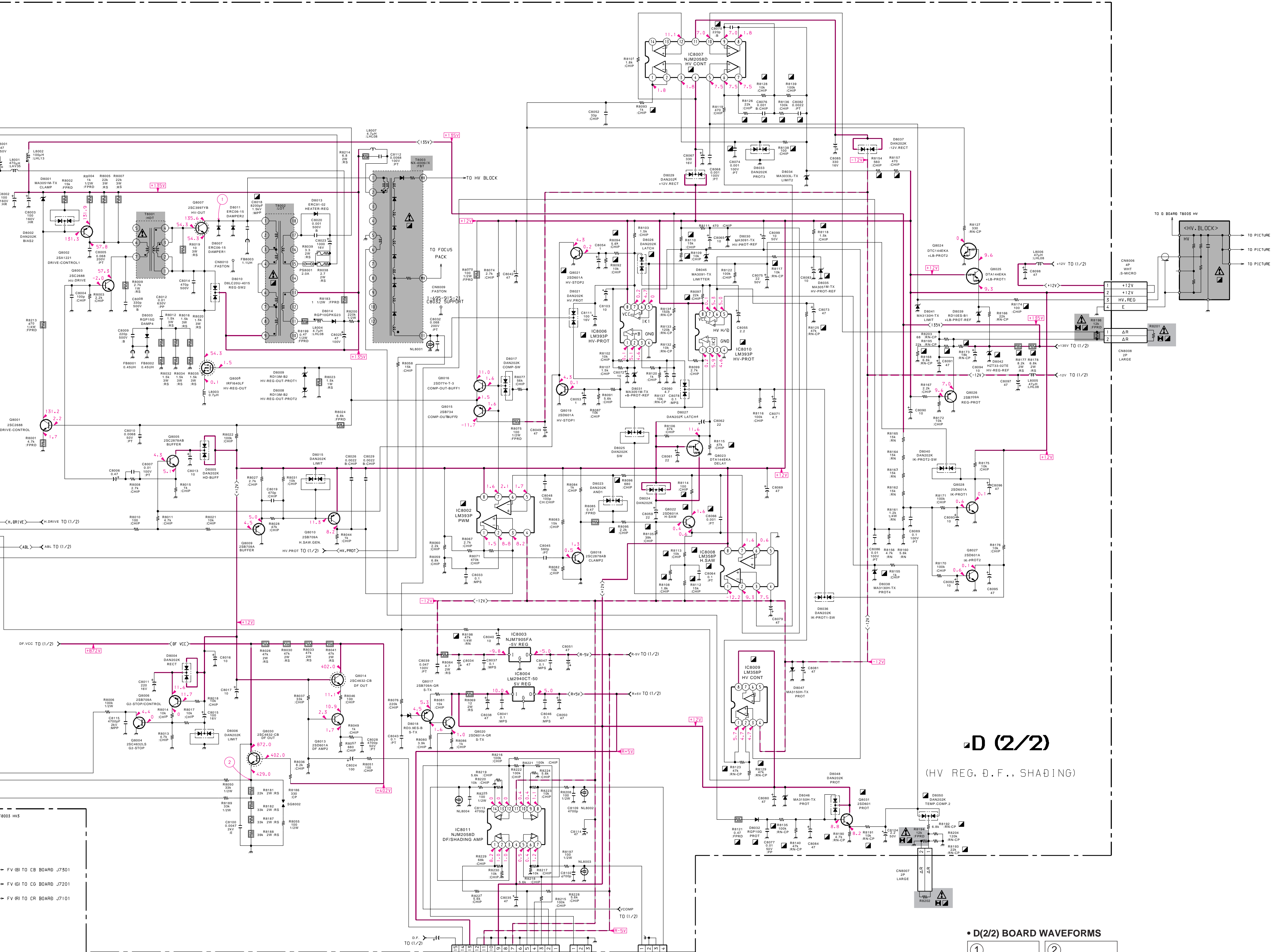


| | |
|--------|---|
| H (1) | 1 |
| H (-1) | 2 |
| NC | 3 |
| NC | 4 |
| E | 5 |
| NC | 6 |
| +2.10V | 7 |

| | |
|--------------|---|
| WHIT S-MICRO | 1 |
| H.D. IN | 2 |
| H.D. OUT | 3 |
| ABL HV | 4 |
| ABL TO PROC | 5 |
| ABL TO PROC | 6 |
| ABL FB | 7 |

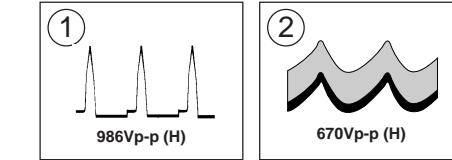
| | |
|--------------|---|
| WHIT S-MICRO | 1 |
| DF. 1 | 2 |
| DF. 2 | 3 |
| NC | 4 |
| GND | 5 |

| | |
|--------------------------|---|
| TO BOARD 7805 HV3 | 1 |
| FV (B) TO CB BOARD J7301 | 2 |
| FV (B) TO CG BOARD J7201 | 3 |
| FV (B) TO CR BOARD J7101 | 4 |

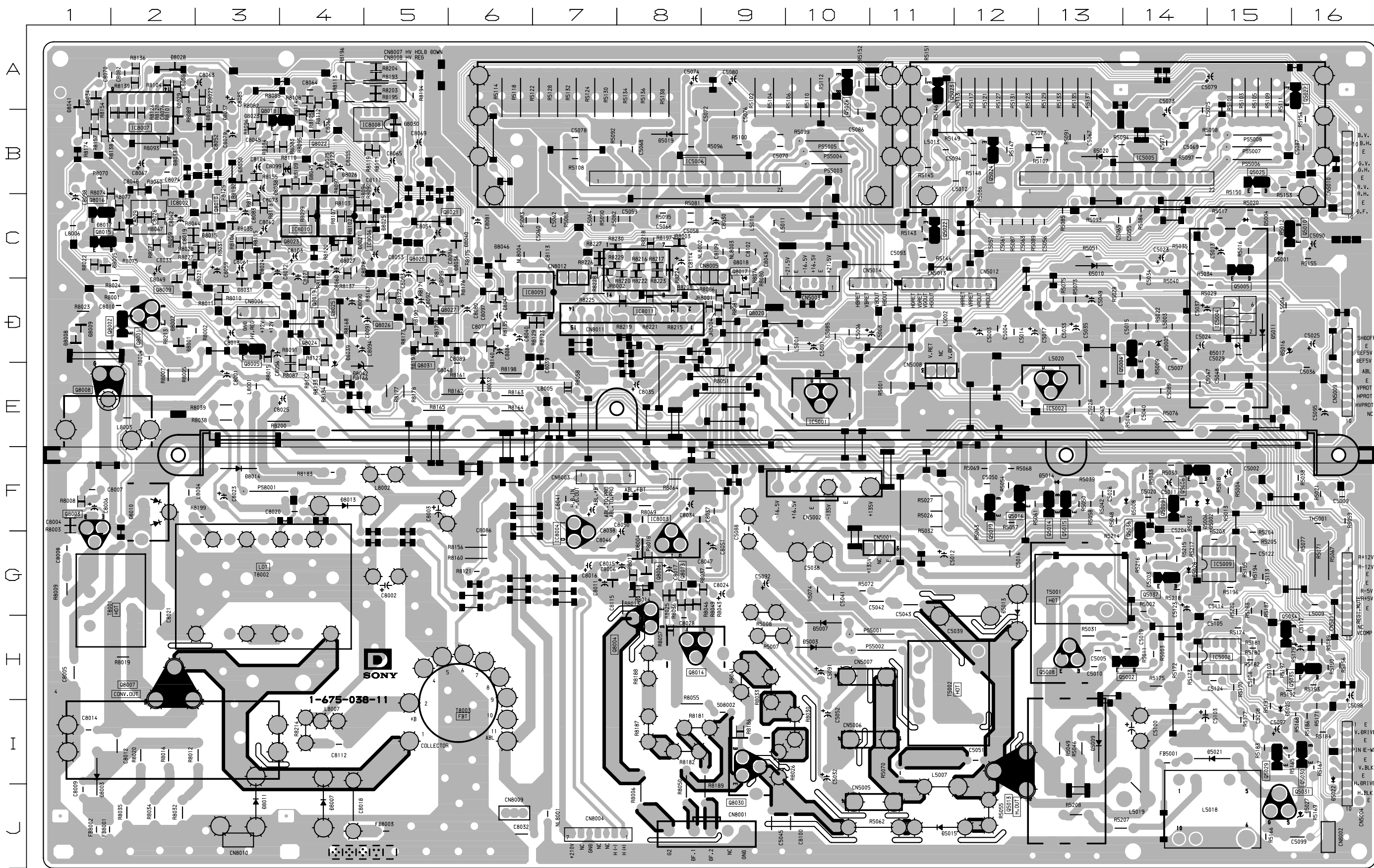


D (2/2)
(HV REG. D.F., SHADING)

D(2/2) BOARD WAVEFORMS



- D Board -



D BOARD

| DIODE | | TRANSISTOR | | IC | |
|-------|------|------------|------|--------|------|
| D5001 | C-15 | Q5002 | H-14 | IC5001 | E-10 |
| D5002 | F-14 | Q5004 | D-14 | IC5002 | E-13 |
| D5003 | H-10 | Q5005 | C-15 | IC5004 | D-15 |
| D5004 | C-15 | Q5006 | F-14 | IC5005 | B-14 |
| D5005 | D-14 | Q5008 | F-12 | IC5006 | B-8 |
| D5006 | F-14 | Q5009 | F-12 | IC5008 | H-15 |
| D5007 | H-10 | Q5010 | B-12 | IC5009 | G-15 |
| D5008 | F-14 | Q5011 | B-15 | IC8002 | C-2 |
| D5009 | I-13 | Q5012 | A-10 | IC8003 | G-8 |
| D5010 | C-13 | Q5013 | A-16 | IC8004 | F-7 |
| D5011 | D-15 | Q5014 | I-15 | IC8006 | C-4 |
| D5013 | G-12 | Q5015 | H-16 | IC8007 | B-2 |
| D5014 | F-13 | Q5016 | F-14 | IC8008 | B-5 |
| D5015 | J-11 | Q5017 | G-14 | IC8009 | D-7 |
| D5016 | D-15 | Q5018 | D-2 | IC8010 | C-4 |
| D5017 | D-15 | Q5019 | D-2 | | |
| D5019 | B-8 | | | | |
| D5020 | B-13 | | | | |
| D5021 | I-15 | | | | |
| D5022 | I-16 | | | | |
| D5025 | I-15 | | | | |
| D5027 | J-16 | | | | |
| D5028 | G-14 | | | | |
| D8001 | D-2 | | | | |
| D8002 | D-2 | | | | |
| D8003 | I-1 | | | | |
| D8004 | G-8 | | | | |
| D8005 | C-1 | | | | |
| D8006 | G-7 | | | | |
| D8007 | J-4 | | | | |
| D8008 | D-1 | | | | |
| D8009 | D-1 | | | | |
| D8010 | F-2 | | | | |
| D8011 | J-3 | | | | |
| D8013 | F-4 | | | | |
| D8014 | F-3 | | | | |
| D8015 | C-3 | | | | |
| D8017 | C-2 | | | | |
| D8018 | C-9 | | | | |
| D8021 | C-4 | | | | |
| D8023 | B-3 | | | | |
| D8024 | C-3 | | | | |
| D8025 | C-5 | | | | |
| D8026 | B-4 | | | | |
| D8027 | C-4 | | | | |
| D8029 | B-2 | Q8002 | D-2 | | |
| D8030 | B-5 | Q8003 | F-1 | | |
| D8031 | D-3 | Q8004 | H-8 | | |
| D8032 | E-6 | Q8005 | D-3 | | |
| D8033 | B-2 | Q8006 | G-8 | | |
| D8034 | A-1 | Q8007 | H-2 | | |
| D8035 | C-3 | Q8008 | E-1 | | |
| D8036 | C-6 | Q8009 | D-2 | | |
| D8037 | B-3 | Q8010 | C-3 | | |
| D8038 | B-4 | Q8013 | G-8 | | |
| D8039 | D-4 | Q8014 | H-8 | | |
| D8040 | C-6 | Q8015 | C-1 | | |
| D8041 | A-1 | Q8016 | C-1 | | |
| D8042 | E-4 | Q8017 | D-9 | | |
| D8045 | B-4 | Q8018 | B-3 | | |
| D8046 | C-6 | Q8019 | D-4 | | |
| D8047 | D-6 | Q8020 | D-9 | | |
| D8048 | D-5 | Q8021 | C-5 | | |
| D8050 | B-3 | Q8022 | B-4 | | |
| | | Q8023 | C-3 | | |
| | | Q8024 | D-4 | | |
| | | Q8025 | D-4 | | |
| | | Q8026 | D-5 | | |
| | | Q8027 | D-5 | | |
| | | Q8028 | C-5 | | |
| | | Q8030 | I-10 | | |
| | | Q8031 | D-5 | | |

- K Board -

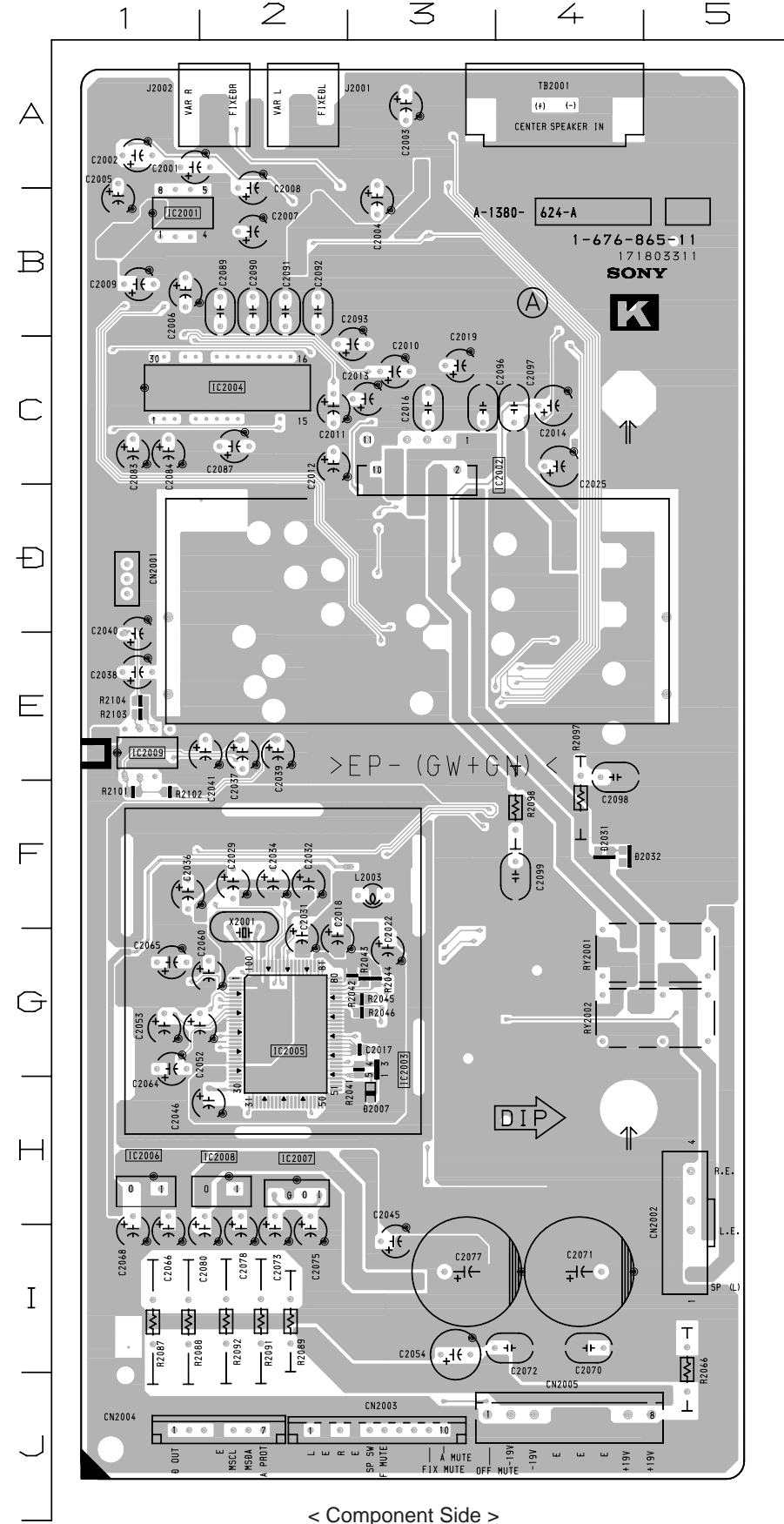
K BOARD

| DIODE | | | |
|-------|-----|---|---|
| | L | R | * |
| D2001 | A-4 | ⊙ | |
| D2002 | A-4 | ⊙ | |
| D2003 | A-5 | ⊙ | |
| D2004 | A-5 | ⊙ | |
| D2008 | C-2 | ⊙ | |
| D2009 | J-3 | ⊙ | |
| D2010 | C-2 | ⊙ | |
| D2012 | I-3 | ⊙ | |
| D2013 | J-3 | ⊙ | |
| D2014 | I-3 | ⊙ | |
| D2017 | I-3 | ⊙ | |
| D2019 | G-1 | ⊙ | |
| D2020 | I-3 | ⊙ | |
| D2021 | I-3 | ⊙ | |
| D2022 | I-3 | ⊙ | |
| D2023 | I-3 | ⊙ | |
| D2024 | G-1 | ⊙ | |
| D2025 | A-3 | ⊙ | |
| D2026 | A-3 | ⊙ | |
| D2027 | B-3 | ⊙ | |
| D2028 | A-3 | ⊙ | |
| D2029 | D-3 | ⊙ | |
| D2030 | D-3 | ⊙ | |
| D2031 | F-4 | ⊙ | |
| D2032 | F-4 | ⊙ | |
| D2033 | B-5 | ⊙ | |
| D2034 | B-5 | ⊙ | |
| D2050 | A-2 | ⊙ | |
| D2051 | A-2 | ⊙ | |
| D2052 | A-2 | ⊙ | |
| D2053 | A-2 | ⊙ | |
| D2054 | H-1 | ⊙ | |
| D2055 | H-1 | ⊙ | |
| D2056 | L-1 | ⊙ | |
| D2057 | L-1 | ⊙ | |
| D2058 | J-4 | ⊙ | |
| D2059 | J-4 | ⊙ | |

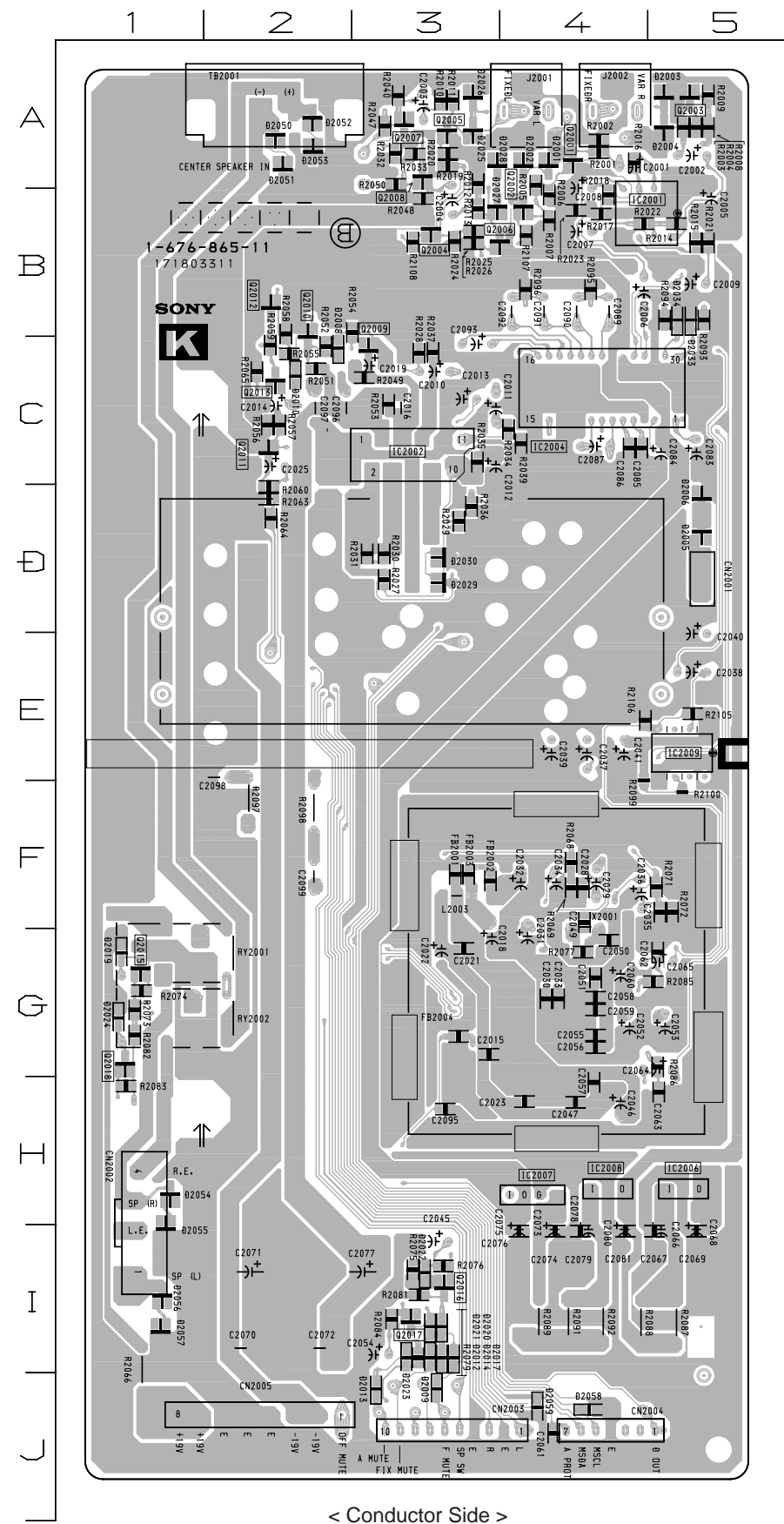
| TRANSISTOR | | | |
|------------|-----|---|---|
| | L | R | * |
| Q2001 | A-4 | ⊙ | |
| Q2002 | B-4 | ⊙ | |
| Q2003 | A-5 | ⊙ | |
| Q2004 | B-3 | ⊙ | |
| Q2005 | A-3 | ⊙ | |
| Q2006 | B-4 | ⊙ | |
| Q2007 | A-3 | ⊙ | |
| Q2008 | A-3 | ⊙ | |
| Q2009 | C-3 | ⊙ | |
| Q2010 | B-2 | ⊙ | |
| Q2011 | C-2 | ⊙ | |
| Q2012 | B-2 | ⊙ | |
| Q2013 | C-2 | ⊙ | |
| Q2015 | G-1 | ⊙ | |
| Q2016 | I-3 | ⊙ | |
| Q2017 | I-3 | ⊙ | |
| Q2018 | G-1 | ⊙ | |

| IC | | | |
|--------|-----|-----|---|
| | L | R | * |
| IC2001 | B-1 | B-4 | |
| IC2002 | C-3 | C-3 | |
| IC2003 | G-3 | | |
| IC2004 | C-2 | C-4 | |
| IC2005 | G-2 | | |
| IC2006 | H-1 | H-5 | |
| IC2007 | H-2 | H-4 | |
| IC2008 | H-2 | H-4 | |
| IC2009 | E-1 | E-5 | |

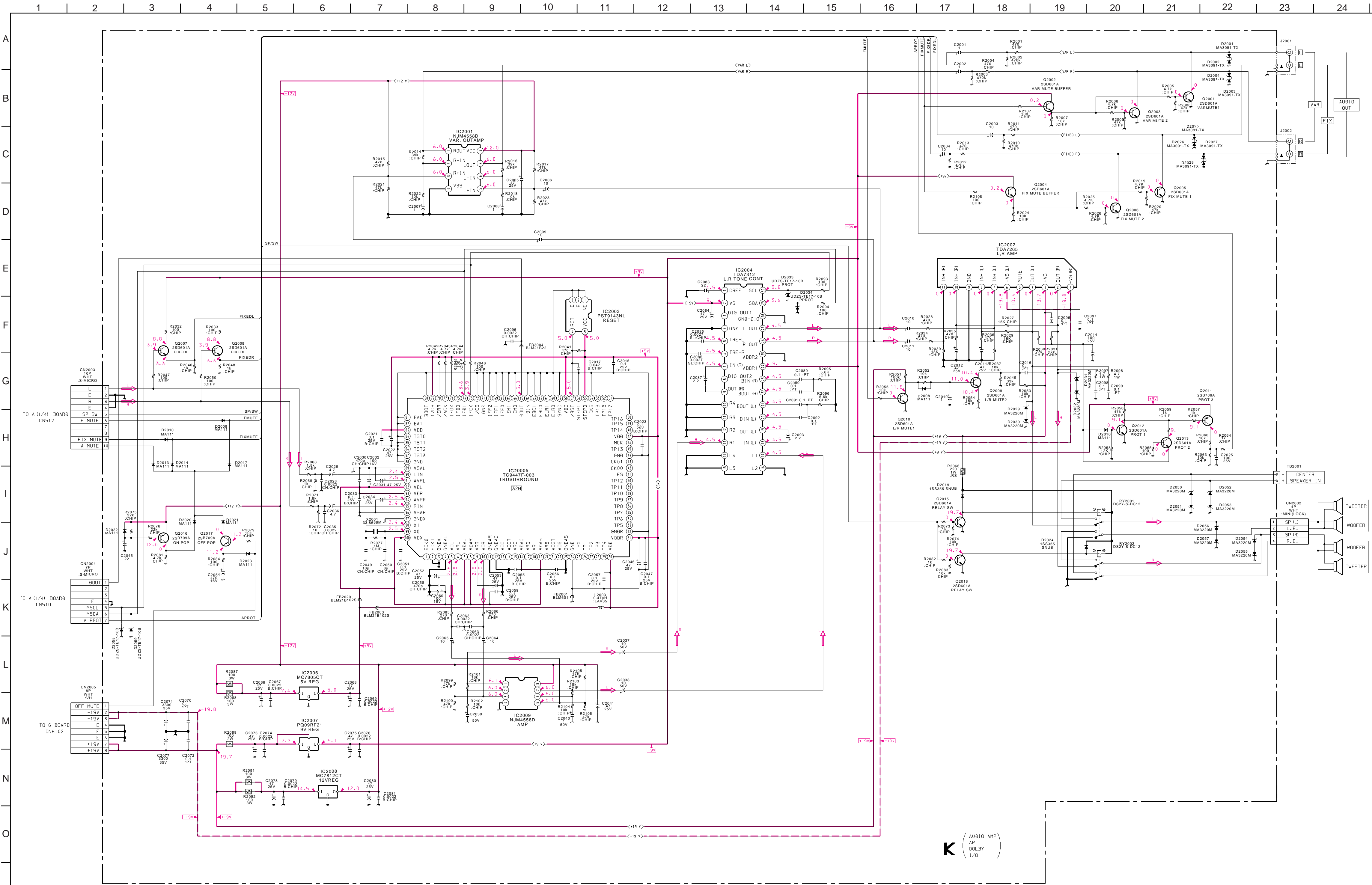
L ; component side
R ; conductor side



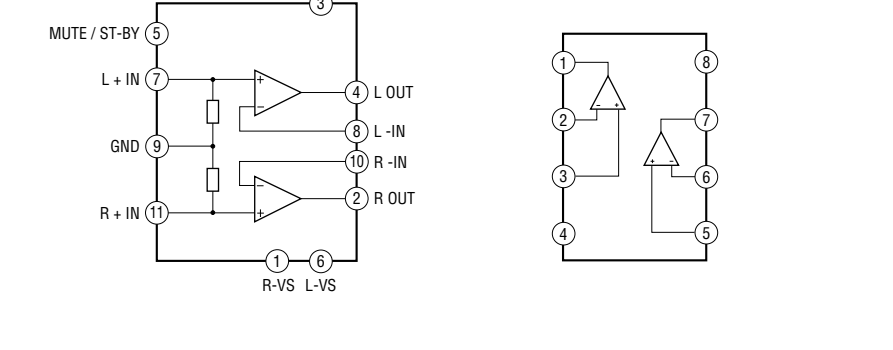
< Component Side >



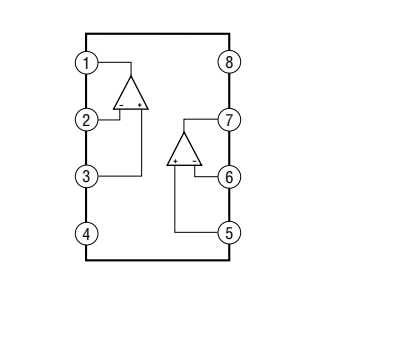
< Conductor Side >



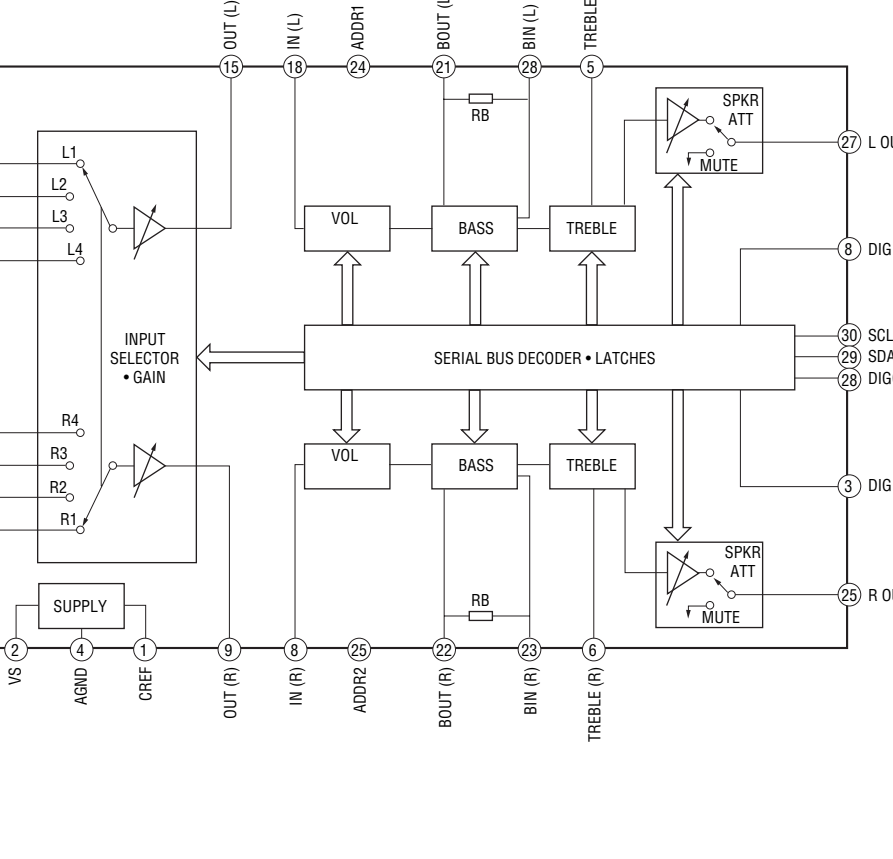
K BOARD : IC2002 TDA7265



K BOARD : IC2001, 2009 NJM4558D

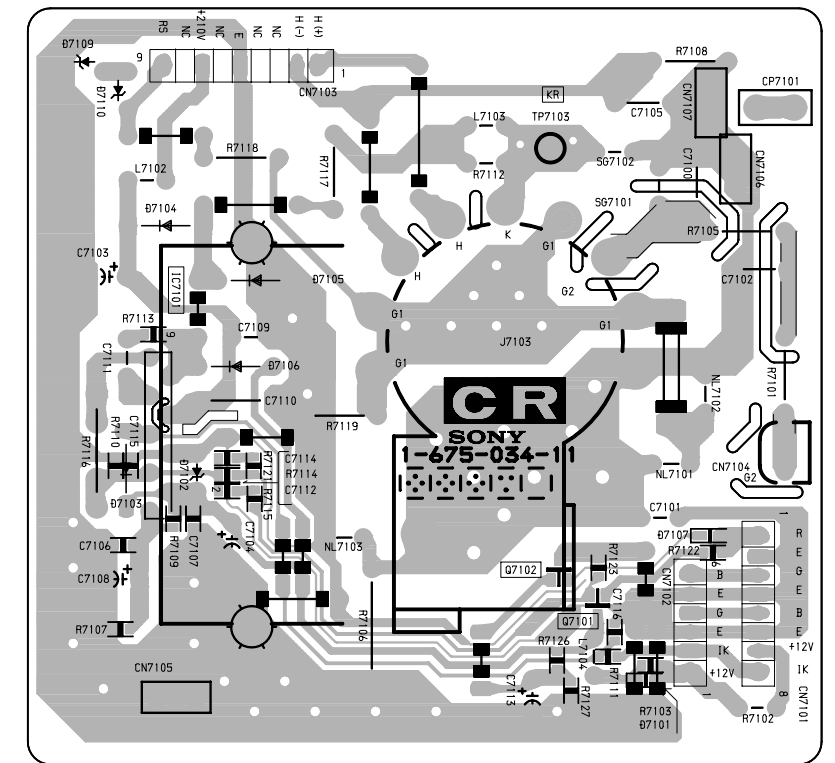


K BOARD : IC2004 TDA7312

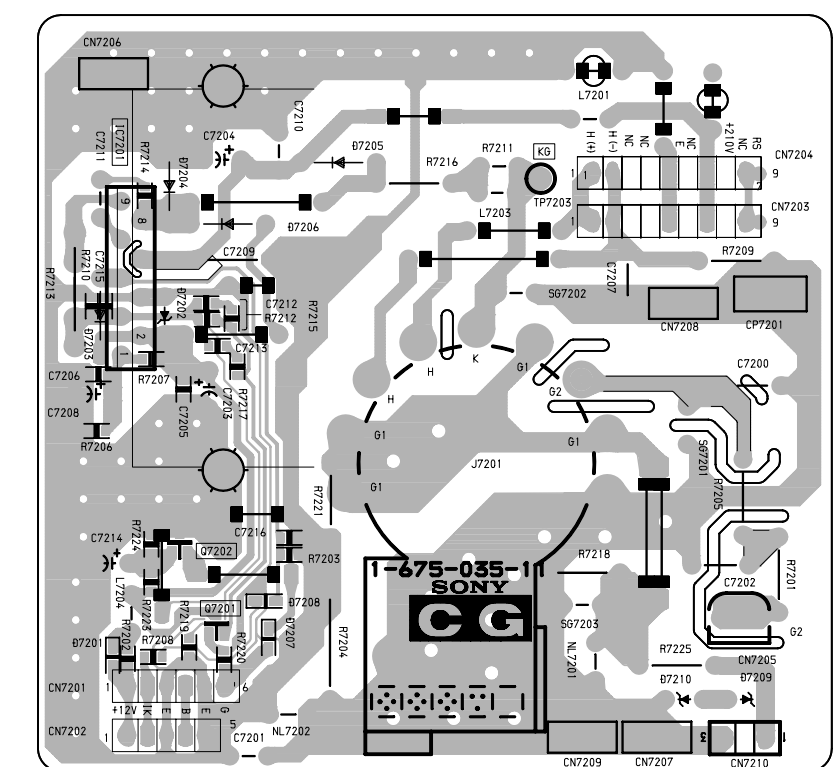


K (AUBIO AMP)
AP DOLBY
1/0

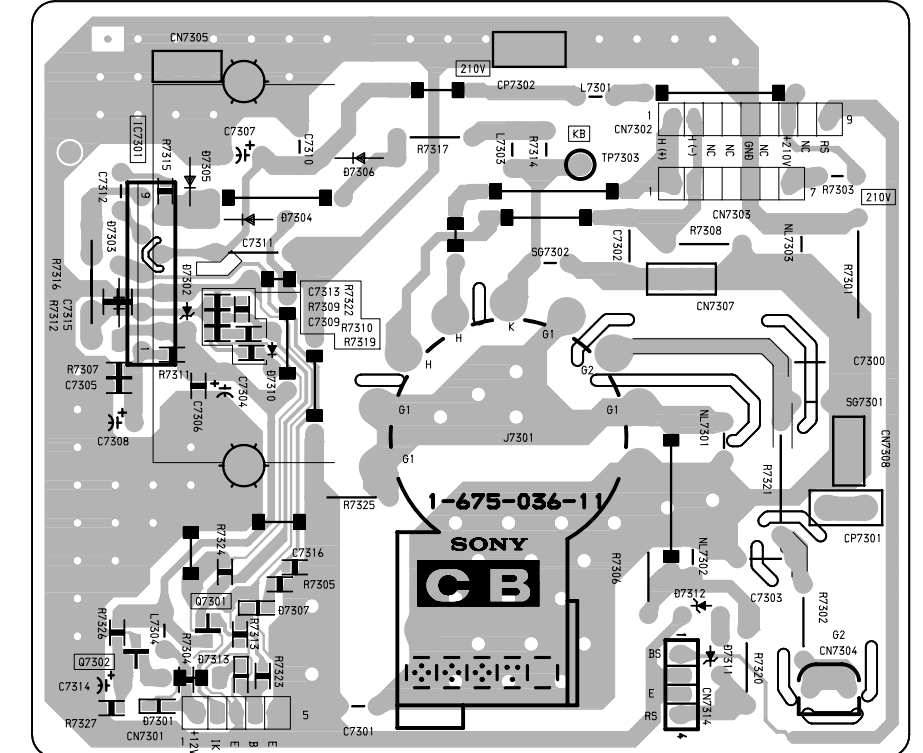
- CR Board -



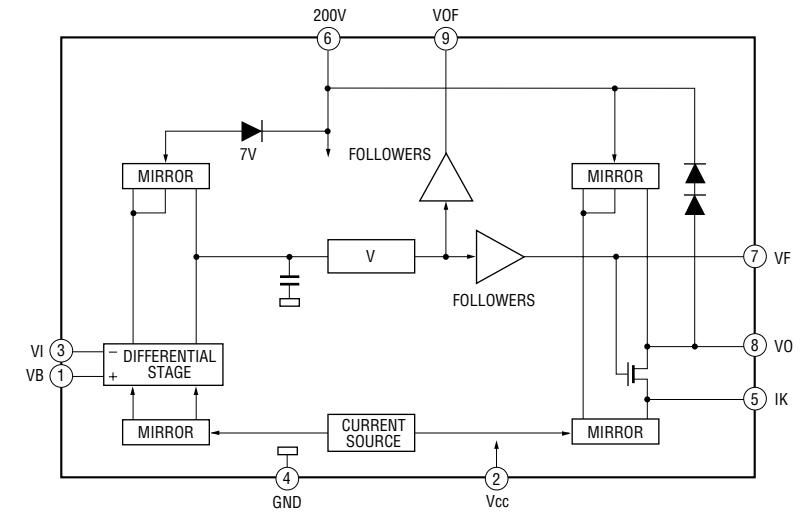
- CG Board -



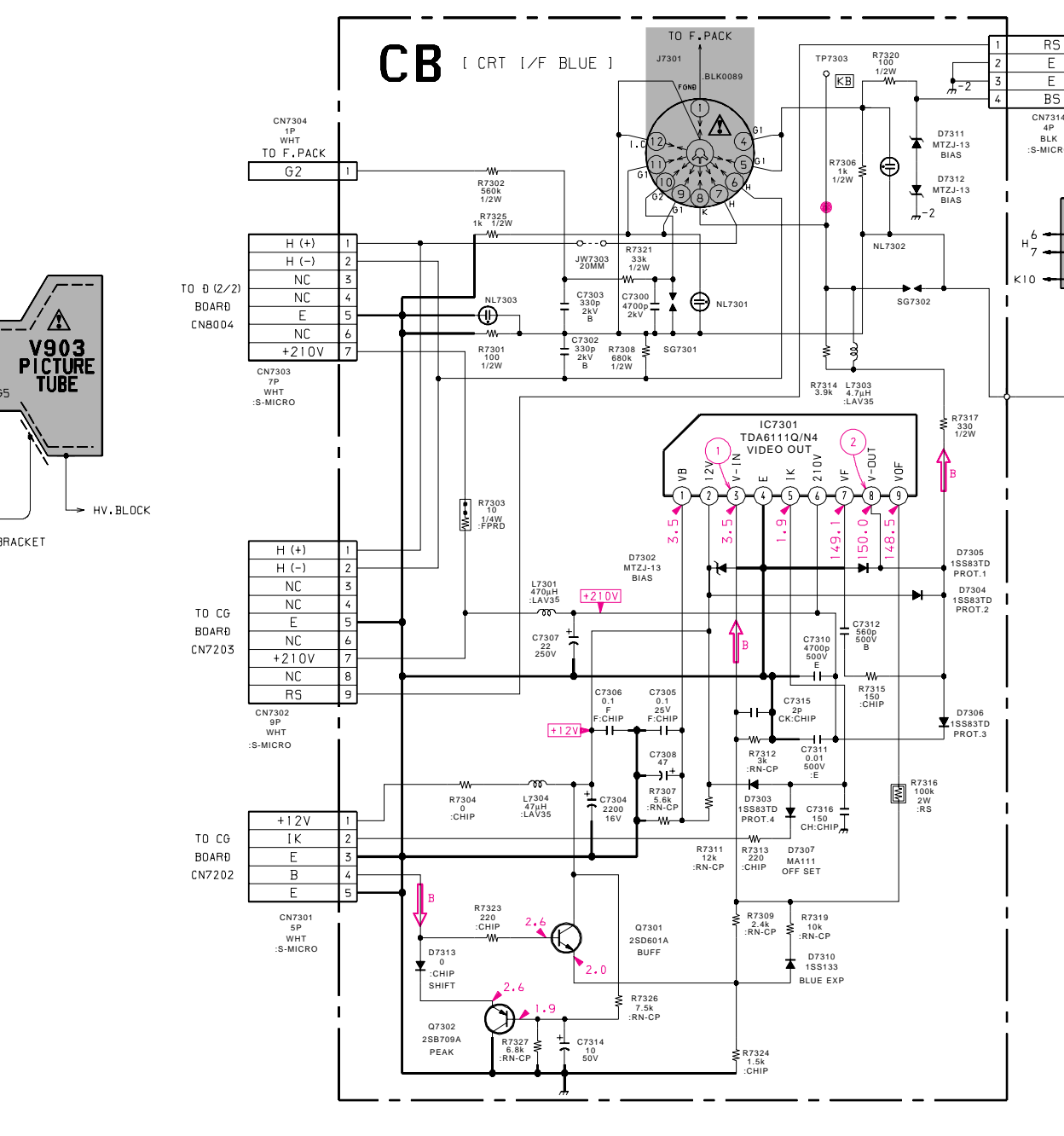
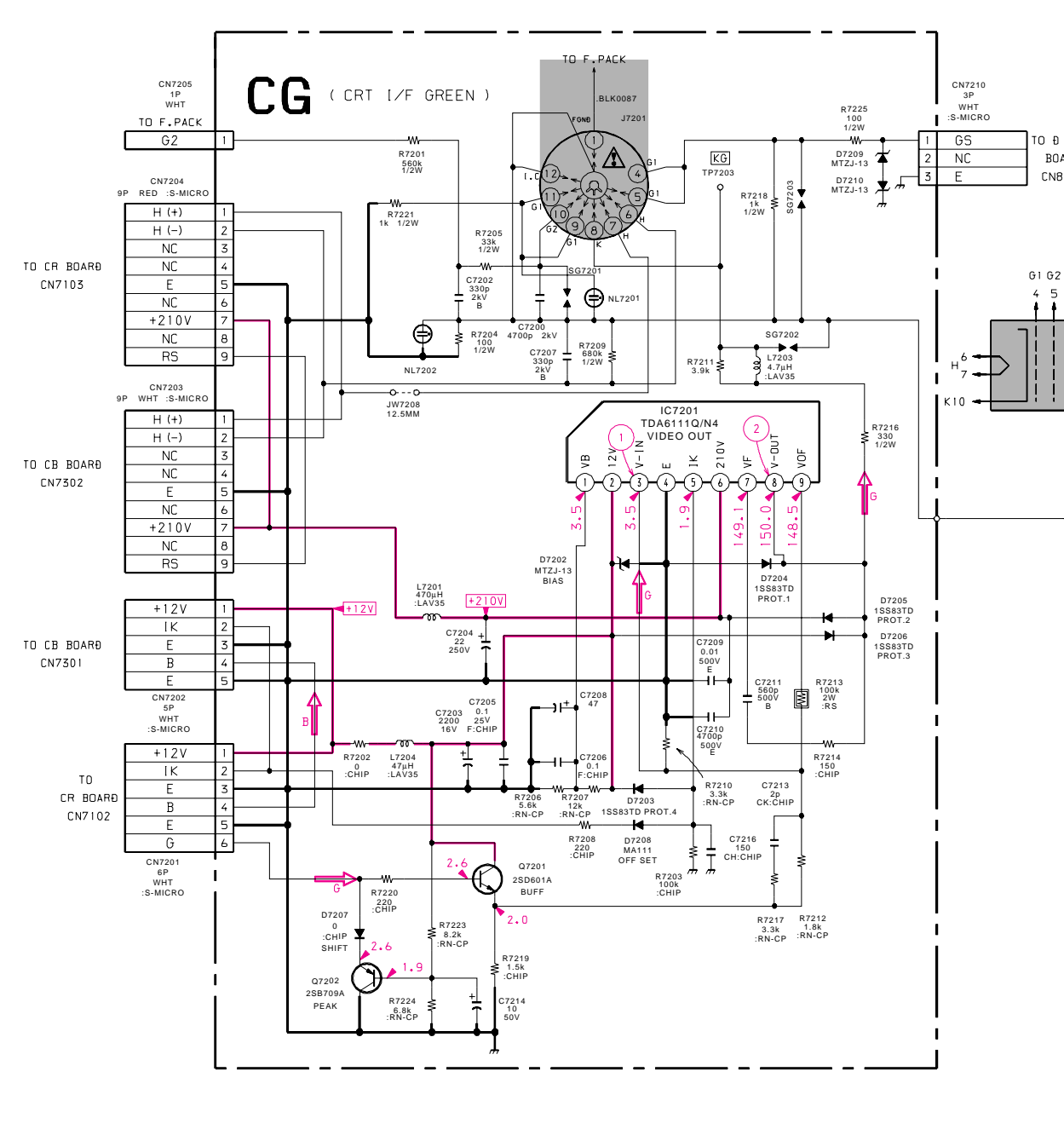
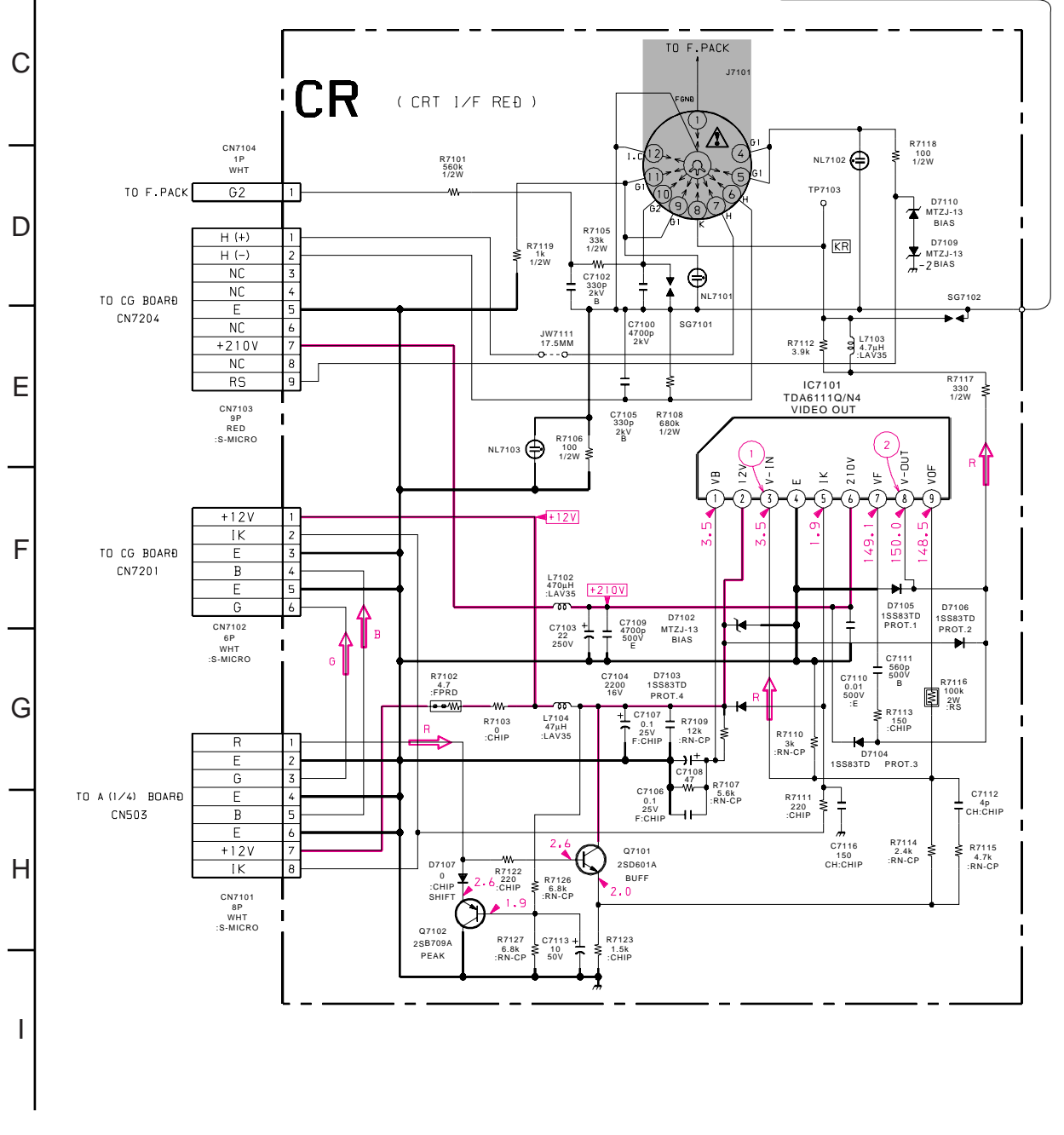
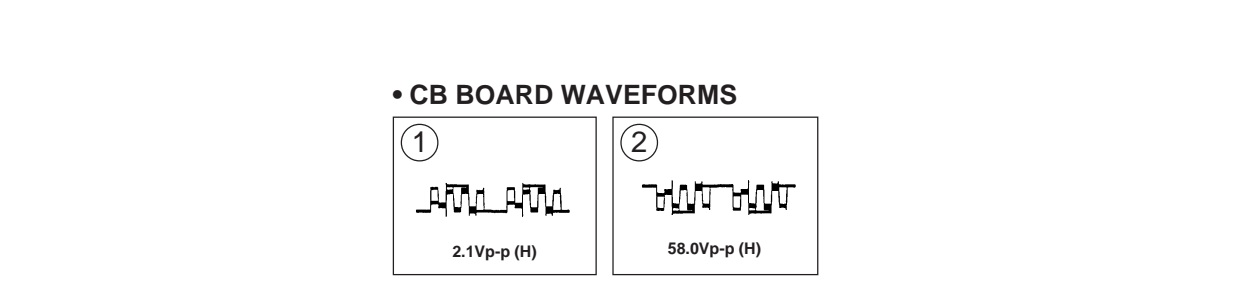
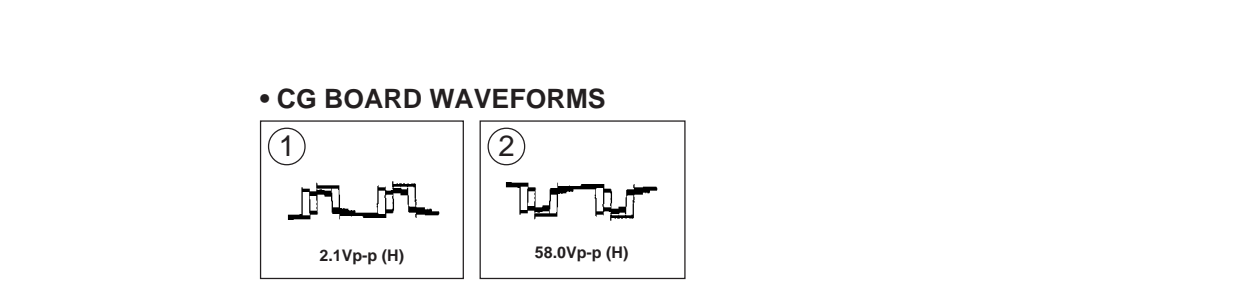
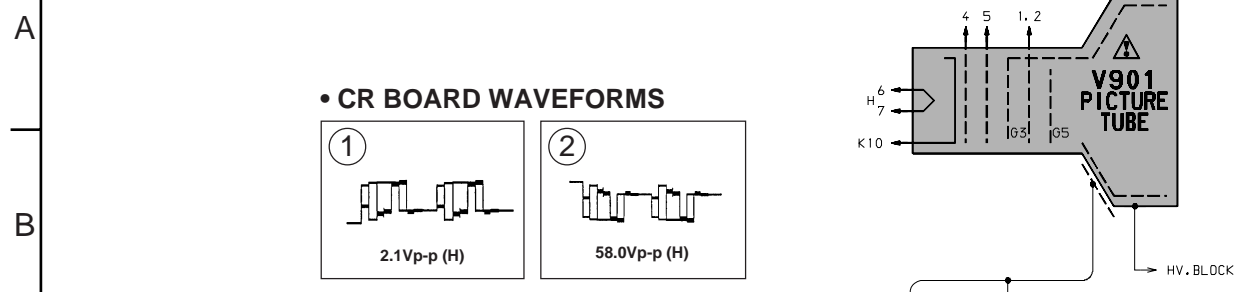
- CB Board -

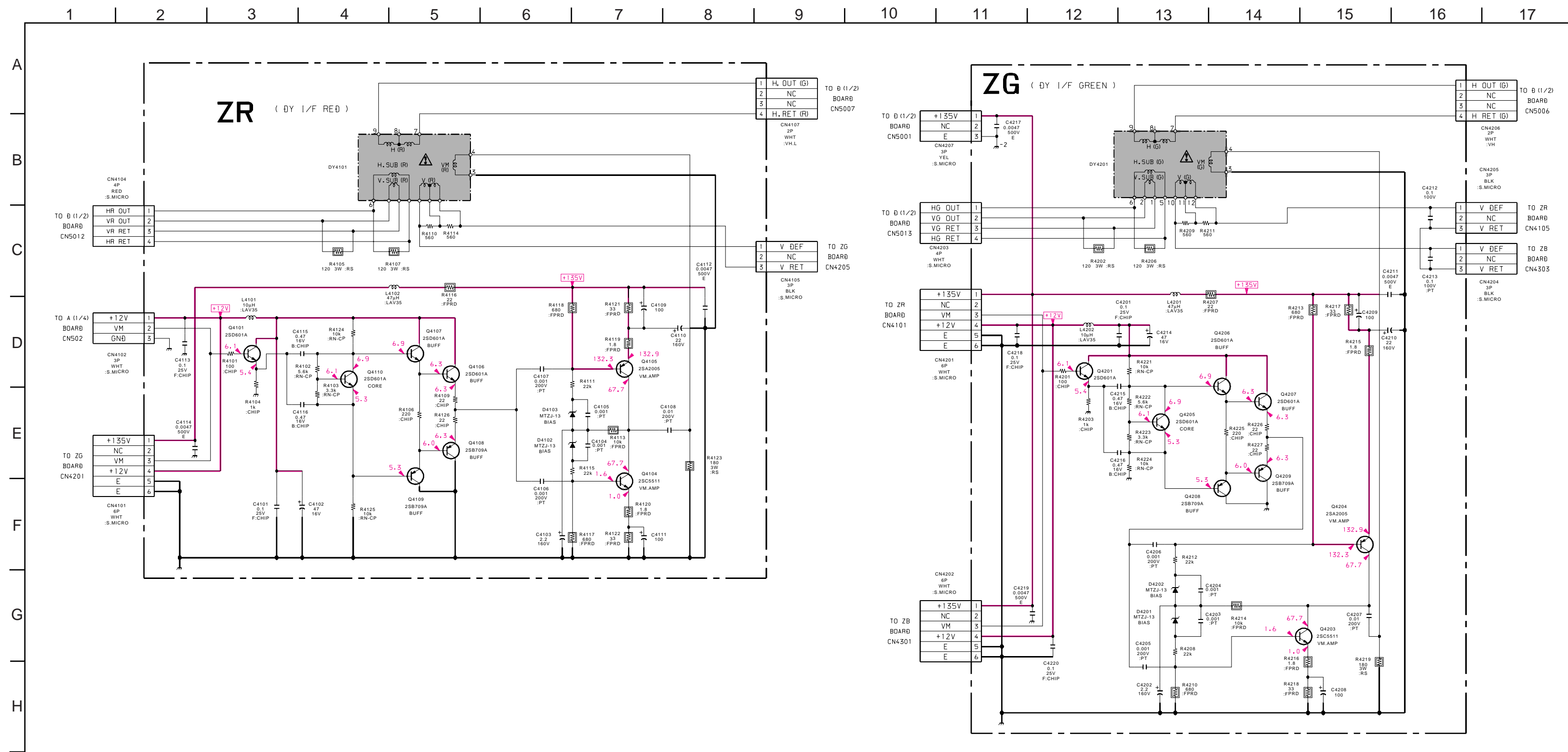


CR BOARD : IC7101 TDA6111Q/N4
 CG BOARD : IC7201 TDA6111Q/N4
 CB BOARD : IC7301 TDA6111Q/N4



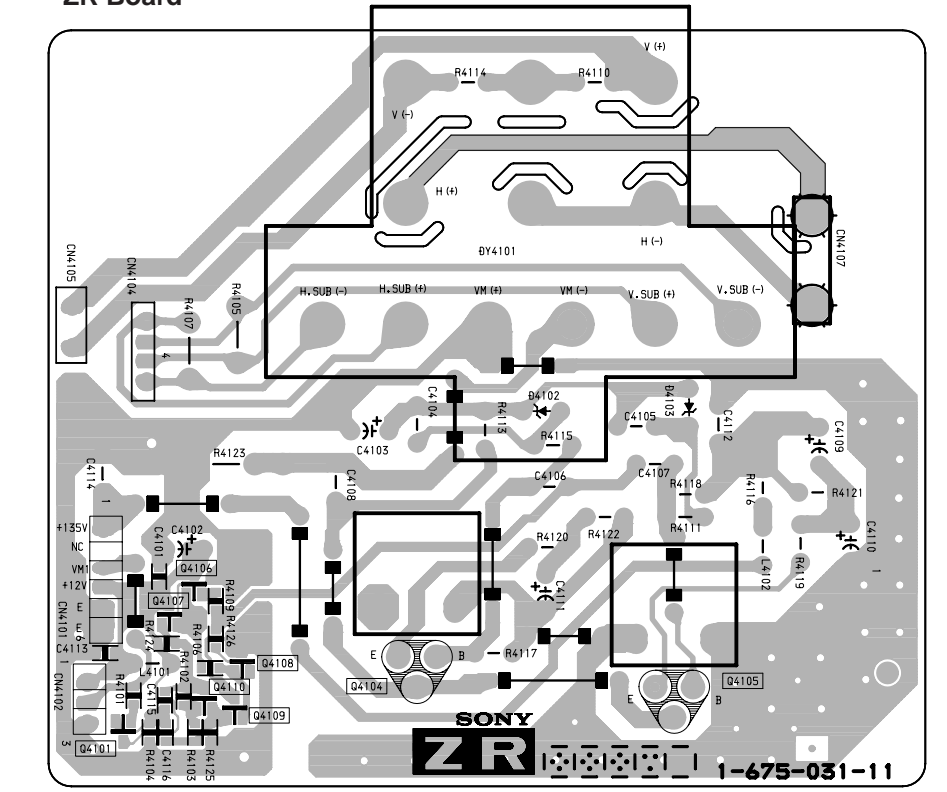
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22



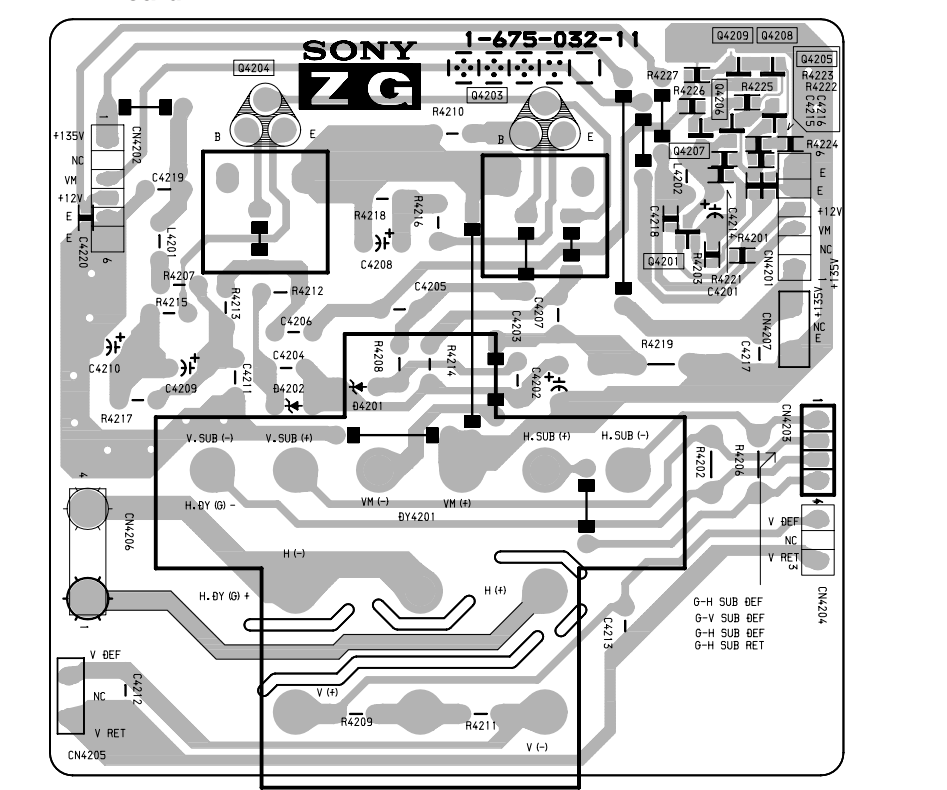


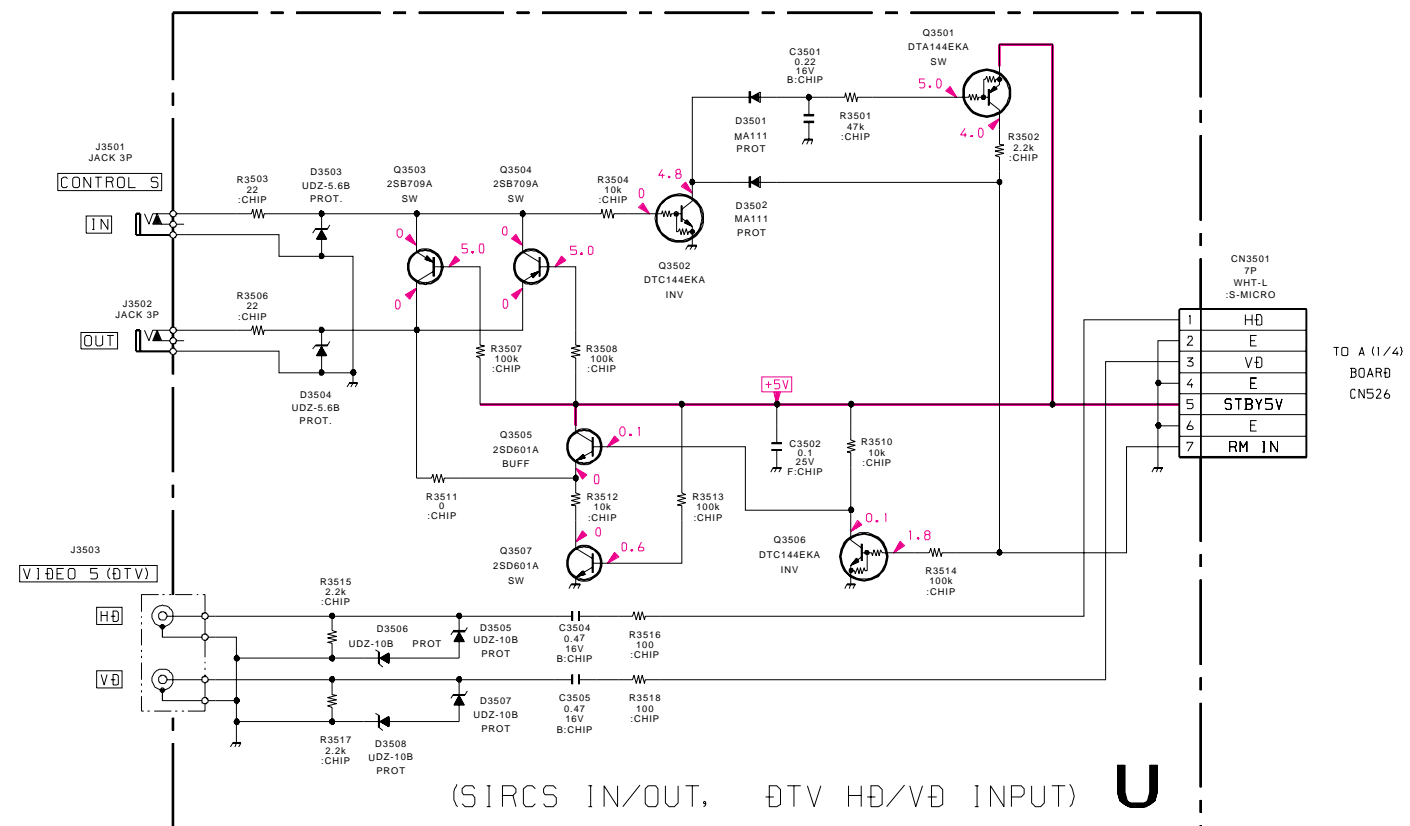
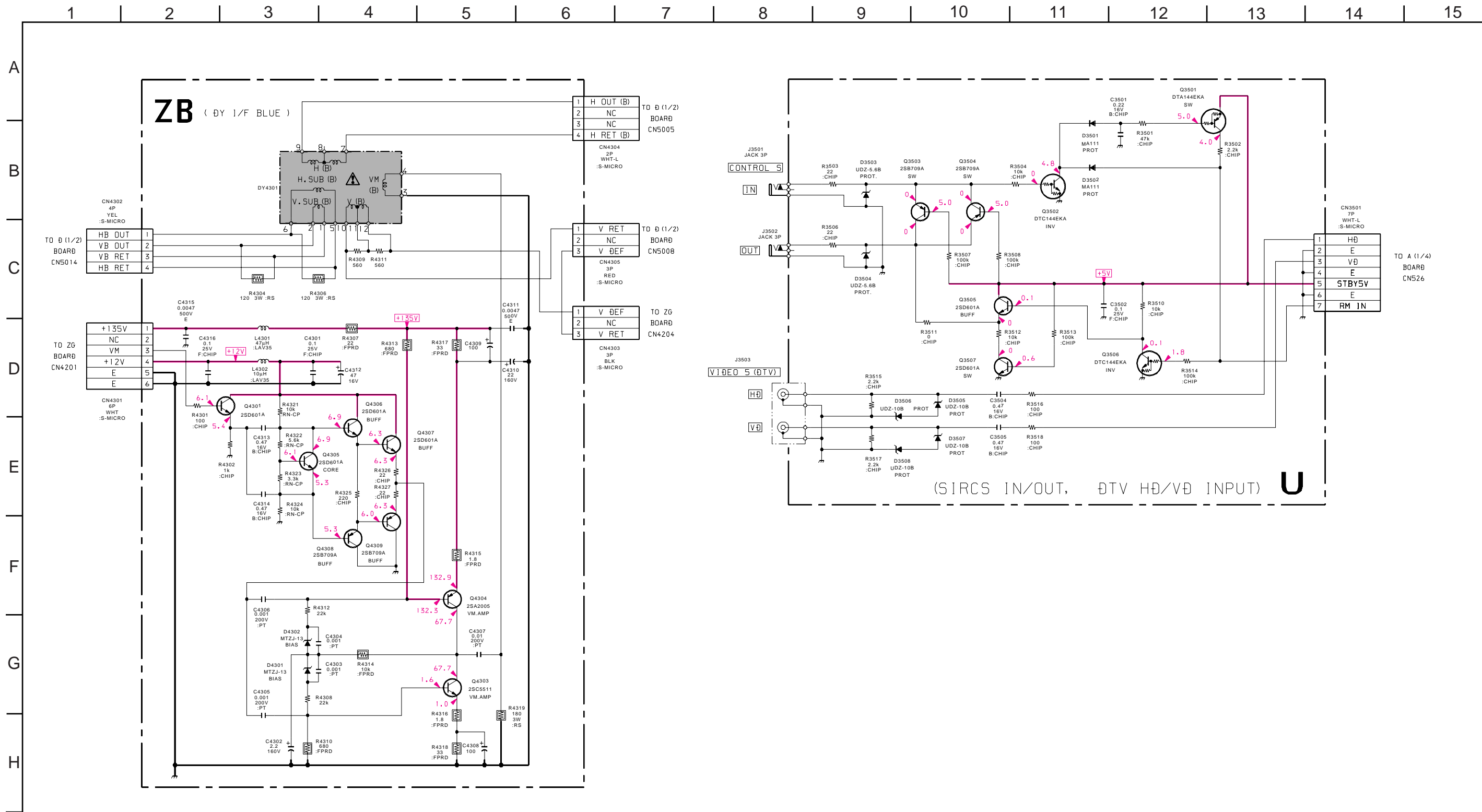
ZR [DY I/F RED] **ZG** [DY I/F GREEN]

- ZR Board -



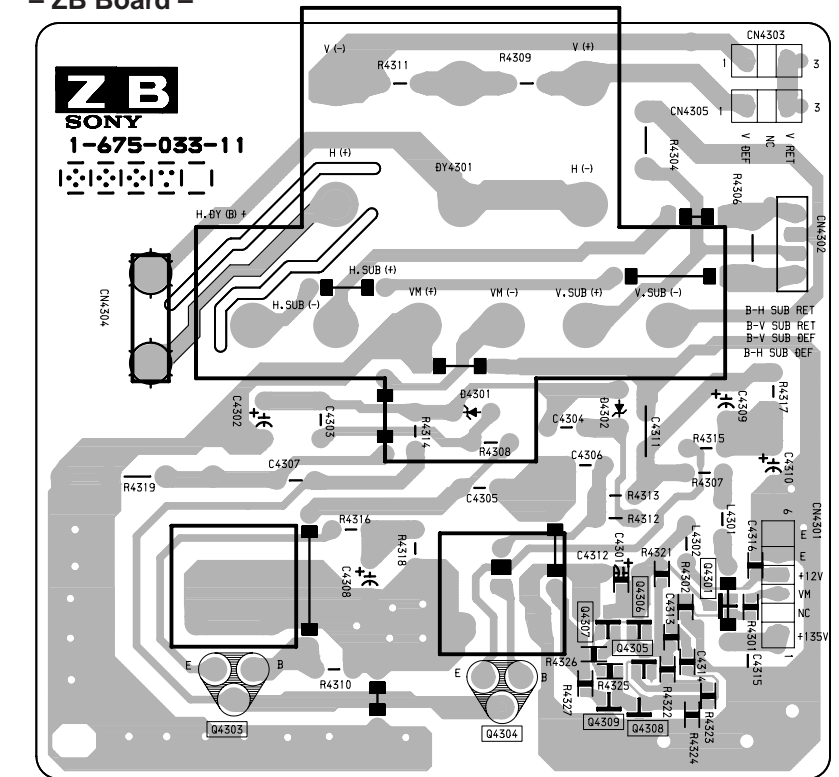
- ZB Board -



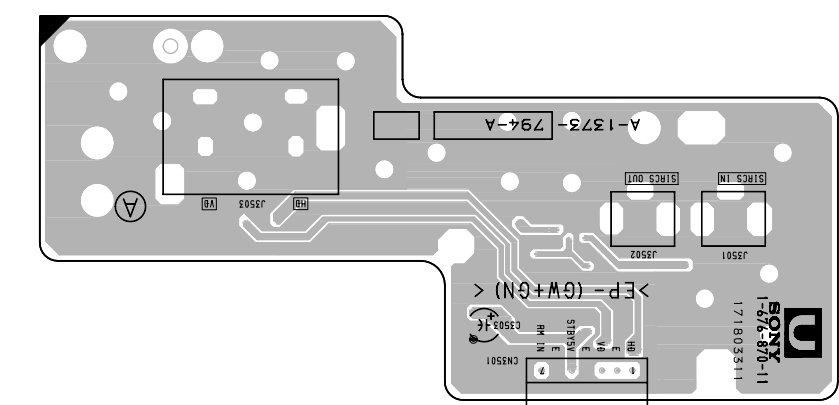


ZB [DY I/F BLUE] **U** [SIRCS IN/OUT, DTV HD/VD INPUT]

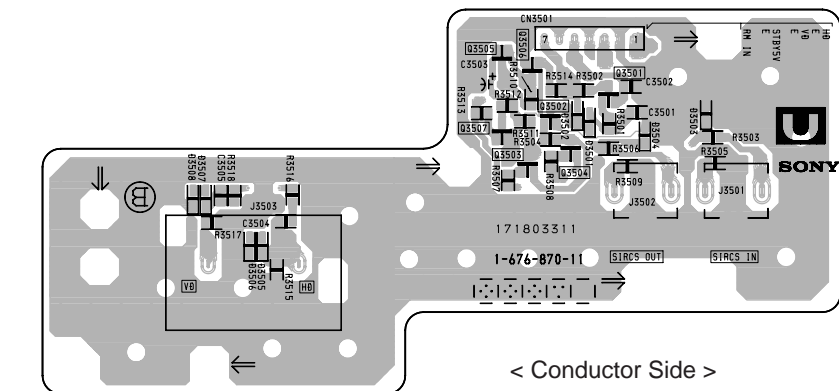
- ZB Board -



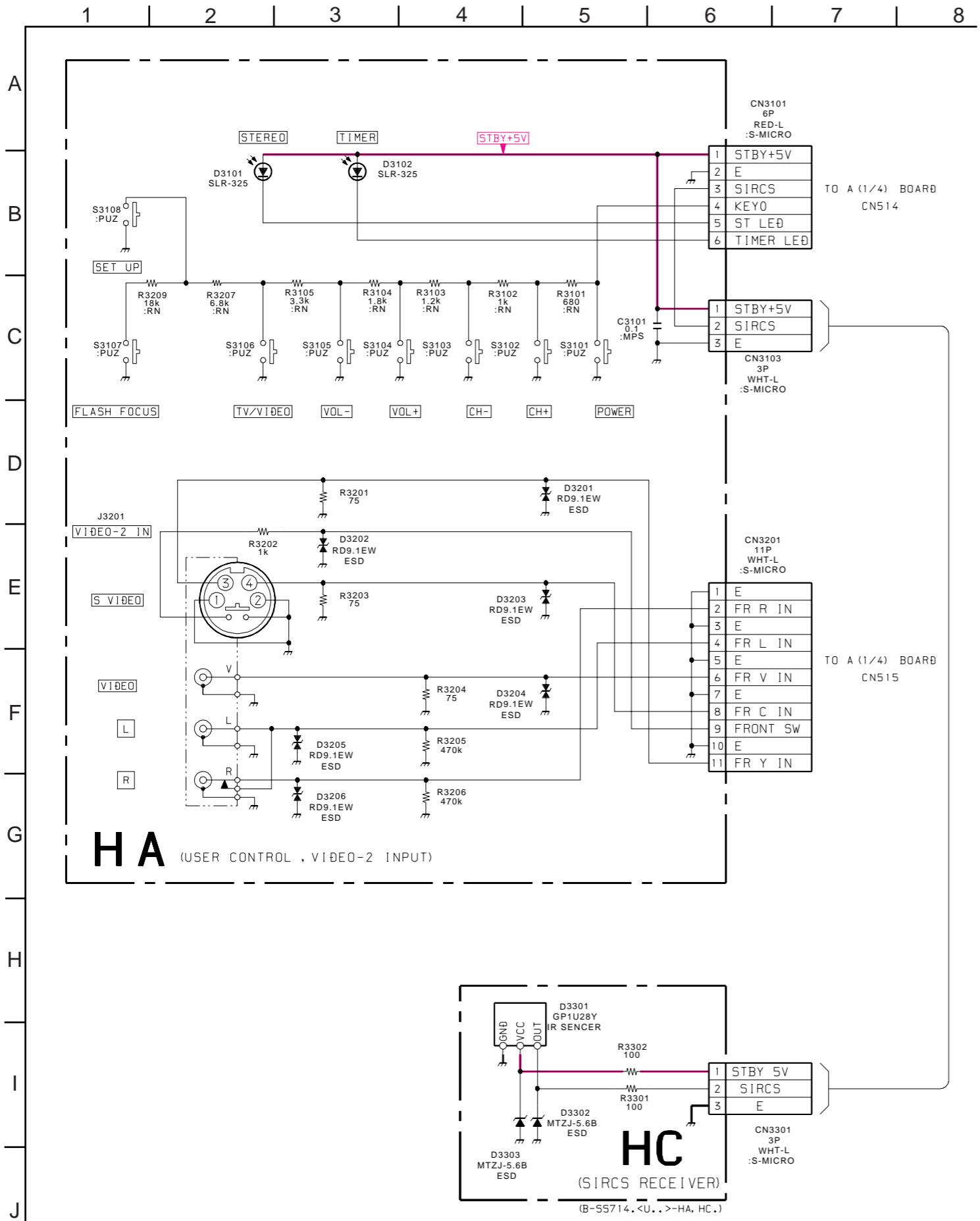
- U Board -



< Component Side >

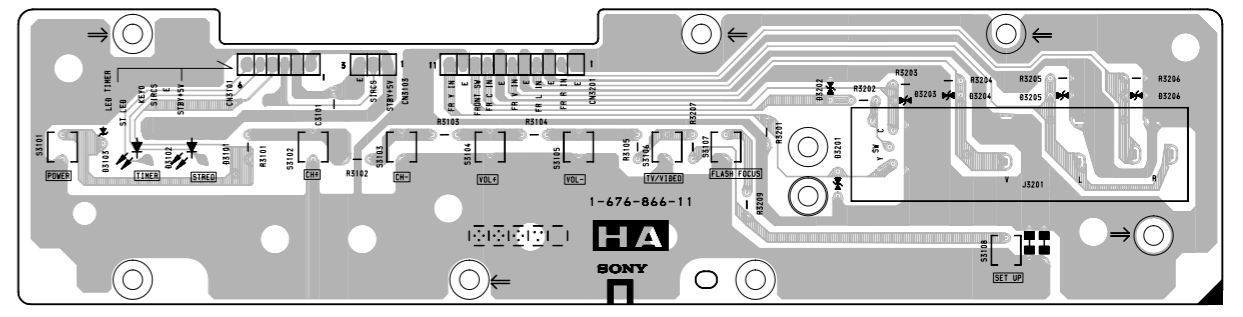


< Conductor Side >

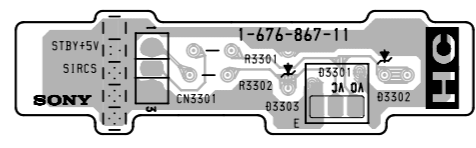


HA [USER CONTROL, VIDEO-2 INPUT] **HC** [SIRCS RECEIVER]

- HA Board -



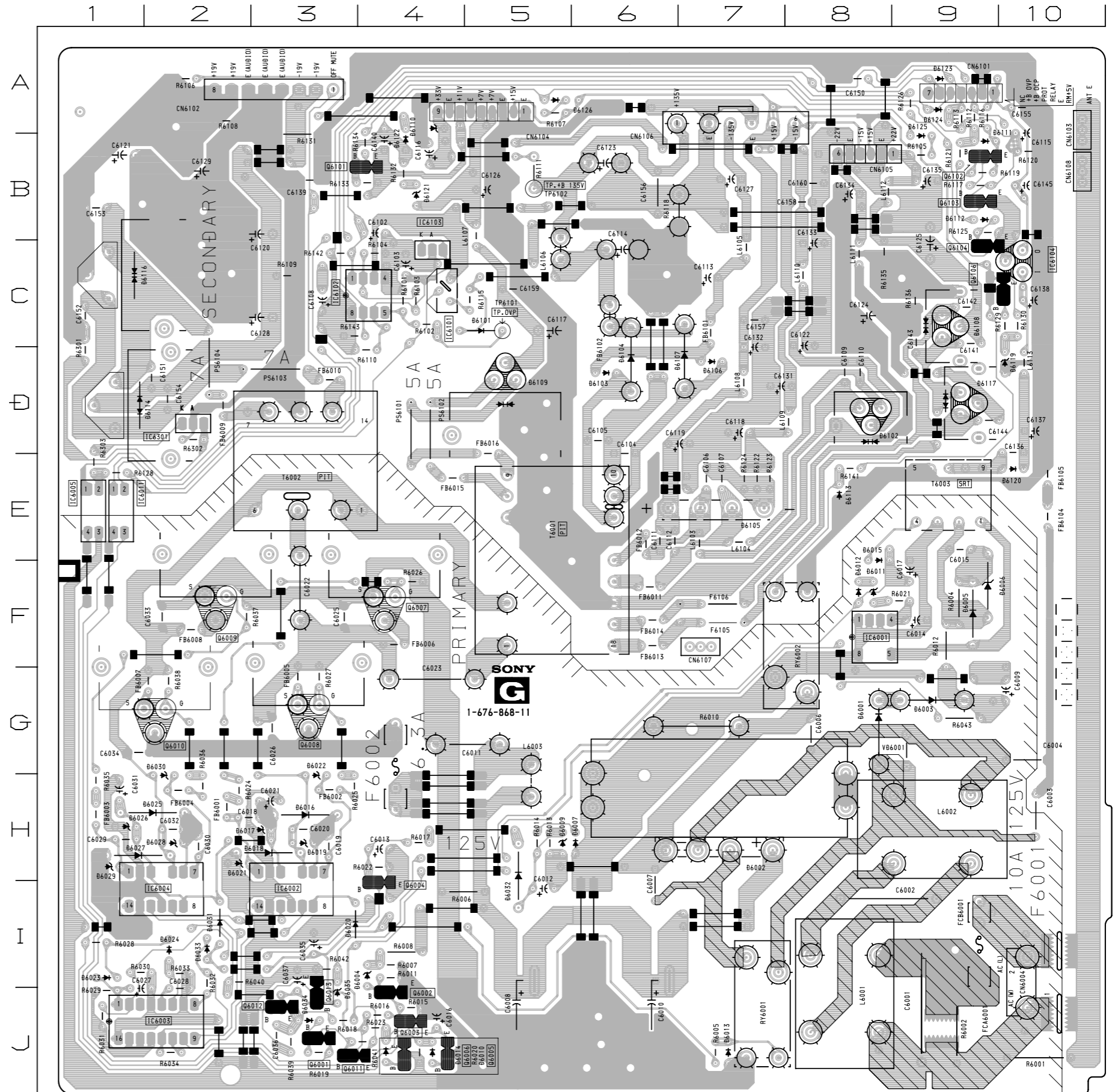
- HC Board -

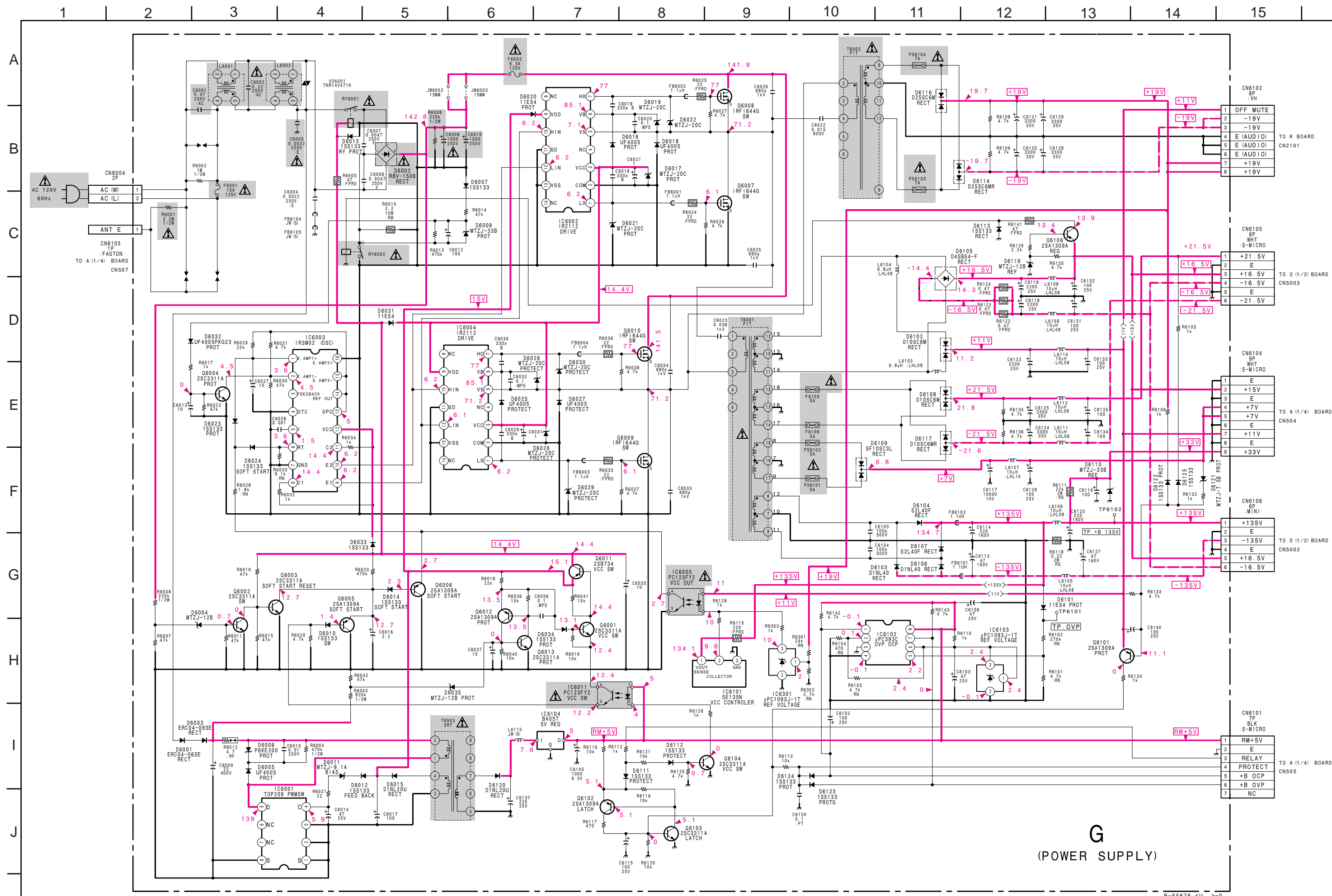


- G Board -

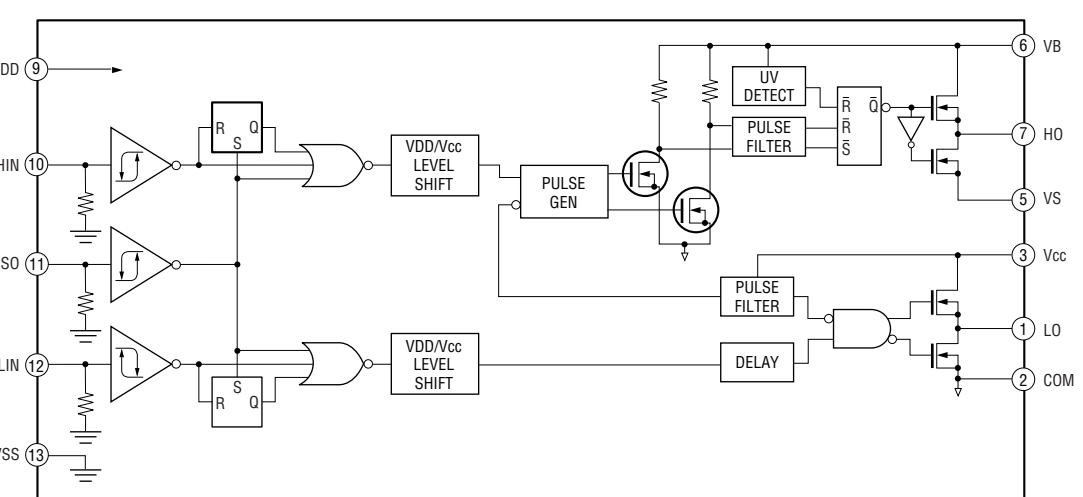
G BOARD

| DIODE | | TRANSISTOR | | IC | |
|-------|-----|------------|------|--------|------|
| D6001 | G-8 | D6111 | B-9 | IC6001 | F-8 |
| D6002 | H-7 | D6112 | B-9 | IC6002 | I-3 |
| D6003 | G-9 | D6113 | E-8 | IC6003 | J-2 |
| D6004 | I-2 | D6114 | D-1 | IC6004 | E-2 |
| D6005 | F-9 | D6116 | C-1 | IC6005 | E-1 |
| D6006 | F-9 | D6117 | D-9 | IC6011 | E-1 |
| D6007 | H-6 | D6119 | D-10 | IC6101 | C-4 |
| D6009 | H-5 | D6120 | E-10 | IC6102 | C-4 |
| D6010 | J-4 | D6121 | B-4 | IC6103 | C-4 |
| D6011 | F-8 | D6122 | B-4 | IC6104 | C-10 |
| D6012 | F-8 | D6123 | A-9 | IC6104 | C-10 |
| D6013 | J-7 | D6124 | A-9 | IC6301 | D-2 |
| D6014 | J-4 | D6125 | B-9 | | |
| D6015 | E-8 | | | | |
| D6016 | H-3 | | | | |
| D6017 | H-3 | | | | |
| D6018 | H-3 | | | | |
| D6019 | H-3 | | | | |
| D6020 | I-3 | | | | |
| D6021 | H-2 | | | | |
| D6022 | G-3 | | | | |
| D6023 | A-9 | | | | |
| D6024 | A-9 | | | | |
| D6025 | H-2 | | | | |
| D6026 | H-1 | | | | |
| D6027 | H-1 | | | | |
| D6028 | H-2 | | | | |
| D6029 | H-1 | | | | |
| D6030 | G-2 | | | | |
| D6031 | I-2 | | | | |
| D6032 | H-5 | | | | |
| D6033 | I-2 | | | | |
| D6034 | J-3 | | | | |
| D6035 | J-3 | | | | |
| D6101 | C-5 | | | | |
| D6102 | D-8 | | | | |
| D6103 | D-6 | | | | |
| D6104 | D-6 | | | | |
| D6105 | E-7 | | | | |
| D6106 | D-7 | | | | |
| D6107 | D-7 | | | | |
| D6108 | C-9 | | | | |
| D6109 | D-5 | | | | |
| D6110 | A-4 | | | | |

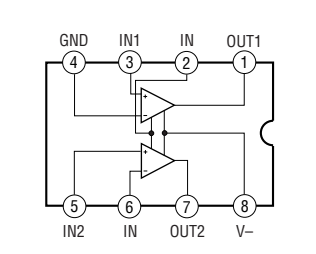




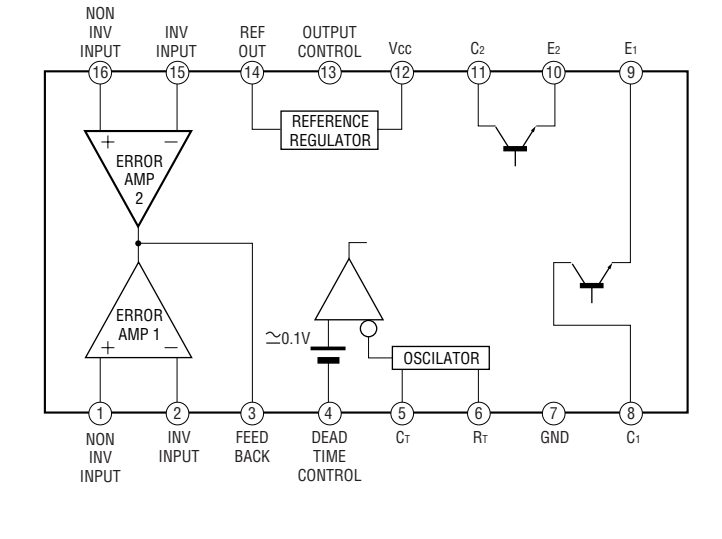
G BOARD : IC6002, 6004 IR2112



G BOARD : IC6102 uPC393C



G BOARD : IC6003 LR3M02

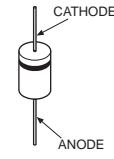


Schematic diagram

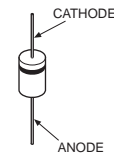


6-5. SEMICONDUCTORS

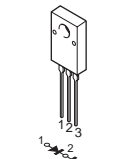
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1SS83TD
D1NL40-TR2
GP08DPKG23
HZT33-02TE
P6KE200AG23
RGP02-20EL-6394
RGP10GPKG23
RGP15GPKG23
S2L40F
UF4005PKG23



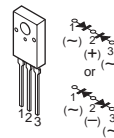
1SS133T-77
ERC04-06S
ERC04-06SE
ERC06-15STP11
ERC91-02
ERC91-02E



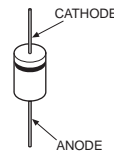
D10SC6M-4012



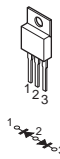
D10SC6MR
D8LC20U-4015



D1NL20U-TR



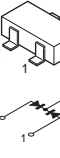
D25SC6MF04
D25SC6MRF04



D4SBS4-F
RBV-1506



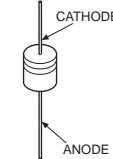
DAN202K-T-146



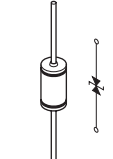
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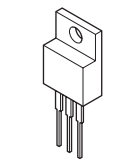
MTZJ-T-77-12B
MTZJ-T-77-13
MTZJ-T-77-15
MTZJ-T-77-20C
MTZJ-T-77-24A
MTZJ-T-77-3.9
MTZJ-T-77-33B
MTZJ-T-77-33C
MTZJ-T-77-5.6
MTZJ-T-77-5.6B
MTZJ-T-77-7.5B
MTZJ-T-77-9.1A
MTZN-T-77-10



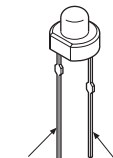
RD9.1EW-T1



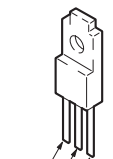
SF10SC3L



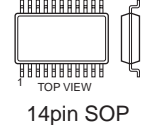
SLR-325VCT31



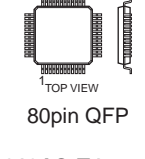
BA05T



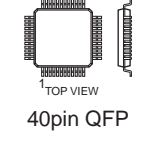
CA0007AM
NJM2058M-TE2
SN74HC00ANSR
SN74HC05ANSR
TC74HC163AF(EL)
TC74HC32AF(EL)
TC74HC74AF(EL)
TLC2932IPW-E20



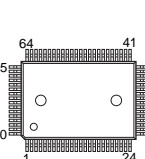
CM0006CF



CXA2019AQ-T4



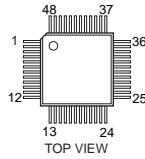
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CXD2303AQ-TL



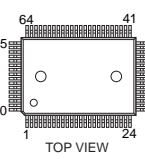
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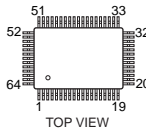


CXD2079Q
CXD2090Q



208pin QFP

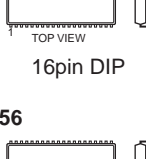
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MB90091A-150



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NJM2058D
NJM2058D



IR3M02



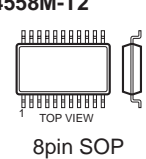
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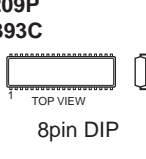
LM2940CT-5.0
MC7805CT
MC7812CT
NJM7812FA
PQ09RF21



LM358DR
LM393PS-E20
LM393PS-E20
NJM4558M-T2

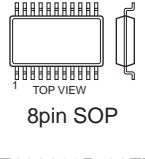


LM358P
LM393P
NJM4558D
TOP209P
UPC393C

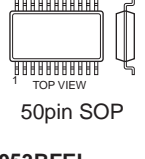


8pin DIP

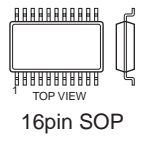
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M24C08-MN6T
NJM2533M(TE2)
ST24E16FM6TR
TC7W66FU(TE12R)
UPC4570G2-E2



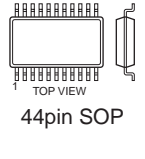
MB81F161622B-80FN



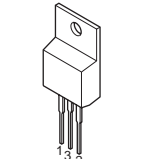
MC14053BFEL
MC74HC4052FEL
PCM56P-L
TC74HC123AF(EL)
TC74HC4052AF(EL)



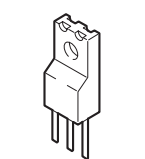
MSM548331TS-K



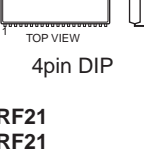
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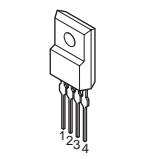
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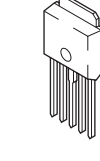
PC123FY2



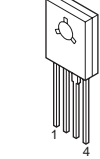
PQ05RF21
PQ09RF21



PQ20VZ1U



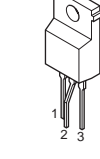
PQ30RV21



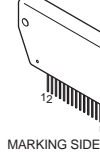
PST9143NL
TC7SET08FU(TE85L)



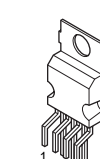
SE-135N-LF12



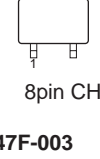
STK392-020



STV9379



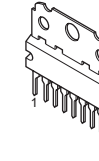
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TC7W08FU(TE12R)



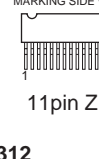
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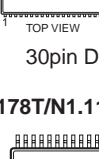
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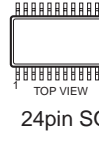
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TDA7312



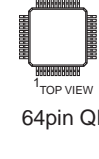
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TLC2933IPWR



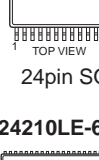
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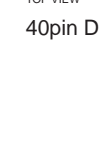
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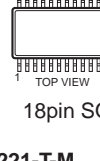
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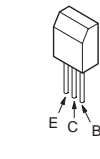
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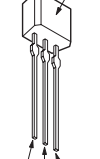
Z8613012SSC



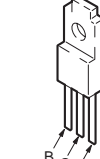
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2SB734-T-2
2SB734-T-4
2SD774-T-34



2SA1309A-QRSTA
2SC3311A-QRSTA



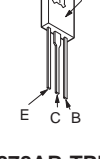
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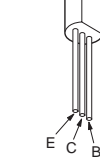
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2SB709A-QRS-TX
2SD601A-QRS-TX
DTA144EKA-T146
DTC114EKA-T146
DTC144EKA-T146



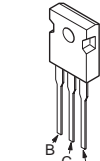
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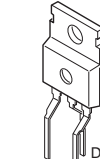
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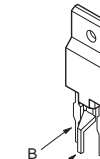
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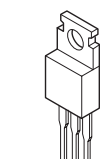
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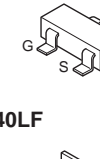
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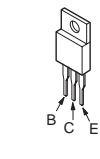
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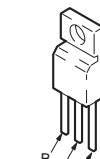
2SK3018-T106



IRFI640LF



IRFI644G-LF36



NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service
- The construction parts of an assembled part are indicated with a collation number in the remark column.

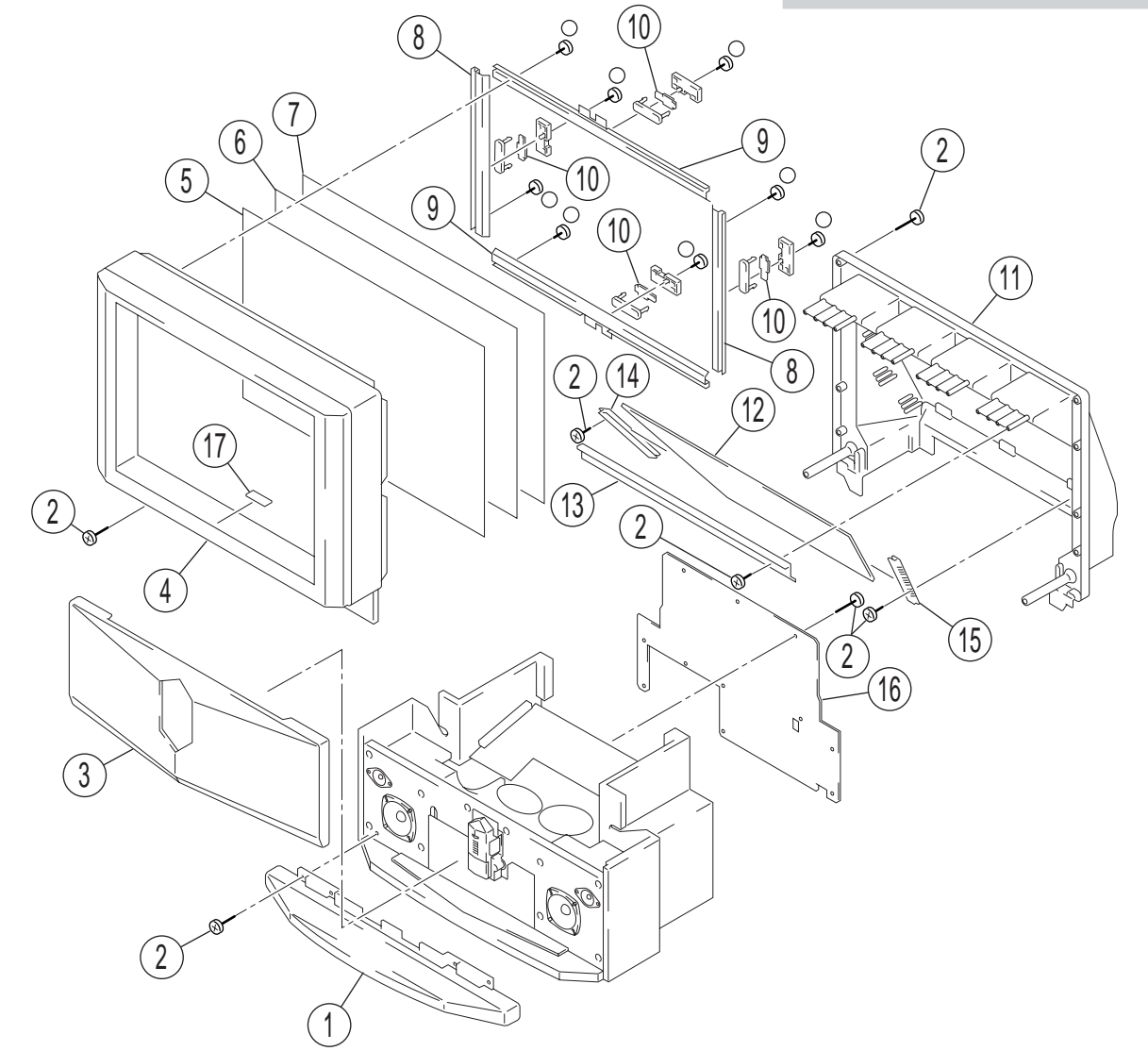
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. COVER (KP-53HS10)

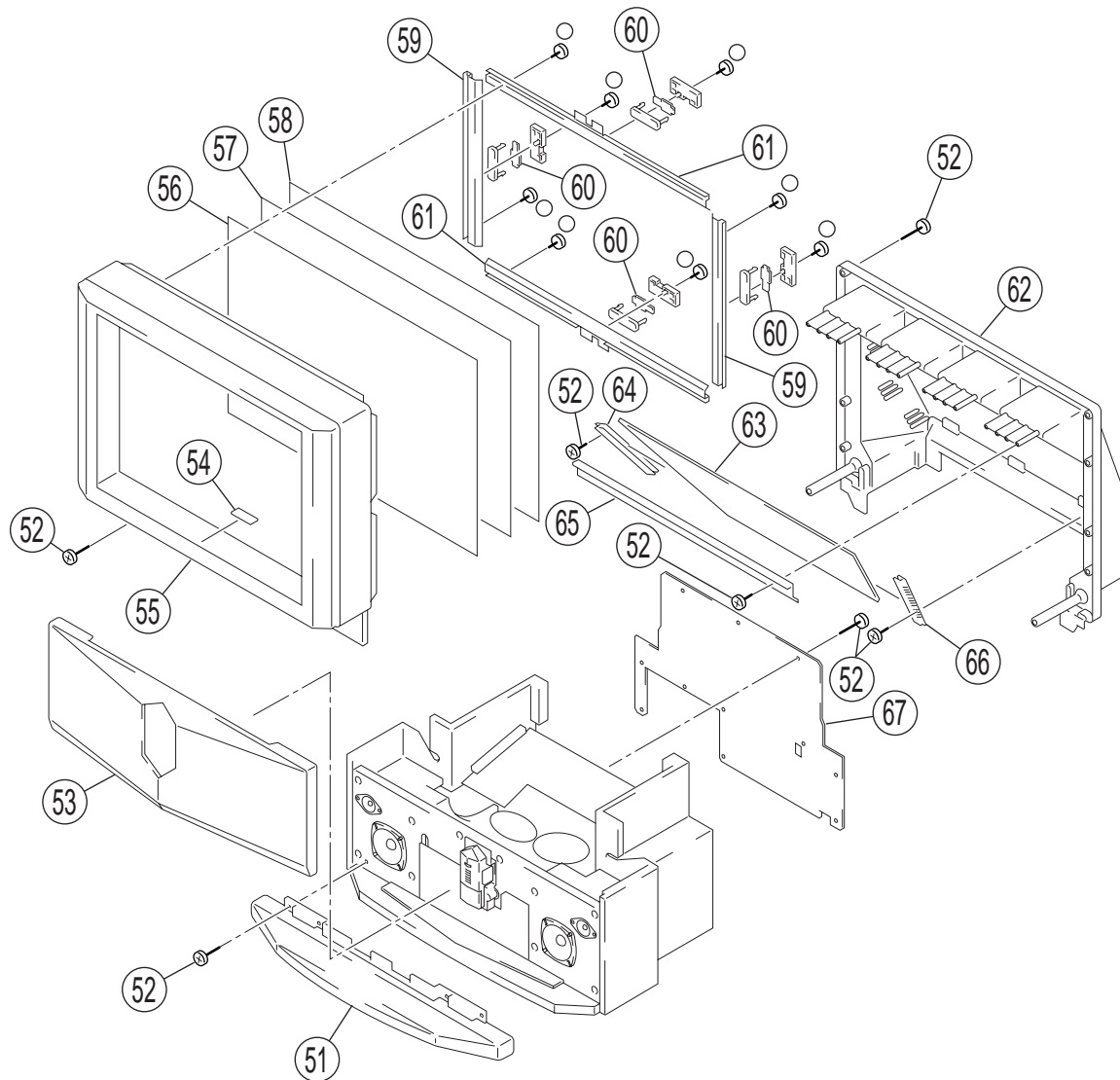
○ : +BVTP 4X12 7-685-661-14



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|----------------|---------------------------|--------|----------|----------------|----------------------|--------|
| 1 | * 4-074-354-01 | SKIRT (53), FRONT | | 11 | * 4-069-694-01 | COVER, MIRROR | |
| 2 | 4-378-522-31 | SCREW (4X20), TAPPING | | 12 | 4-070-344-01 | MIRROR, REFLECTION | |
| 3 | X-4037-650-1 | GRILLE ASSY (53), SPEAKER | | 13 | * 4-070-345-11 | HOLDER (TOP), MIRROR | |
| 4 | X-4036-809-1 | BEZNET ASSY (53V) | | 14 | * 4-069-687-01 | HOLDER (LS), MIRROR | |
| 5 | 4-071-582-11 | SCREEN (53), CONTRAST | | 15 | * 4-069-688-01 | HOLDER (RS), MIRROR | |
| 6 | 4-070-525-11 | PLATE (L), DIFFUSION | | 16 | * 4-075-614-01 | BOARD, REAR | |
| 7 | 4-070-602-11 | PLATE (F), DIFFUSION | | 17 | * A-1372-776-A | HC BORAD, COMPLETE | |
| 8 | * 4-070-330-01 | HOLDER (S), SCREEN YC | | | | | |
| 9 | * 4-070-328-11 | HOLDER (L), SCREEN YC | | | | | |
| 10 | * A-1390-933-A | S BORAD, COMPLETE | | | | | |

7-2. COVER (KP-61HS10)

○ : +BVTP 4X12 7-685-661-14

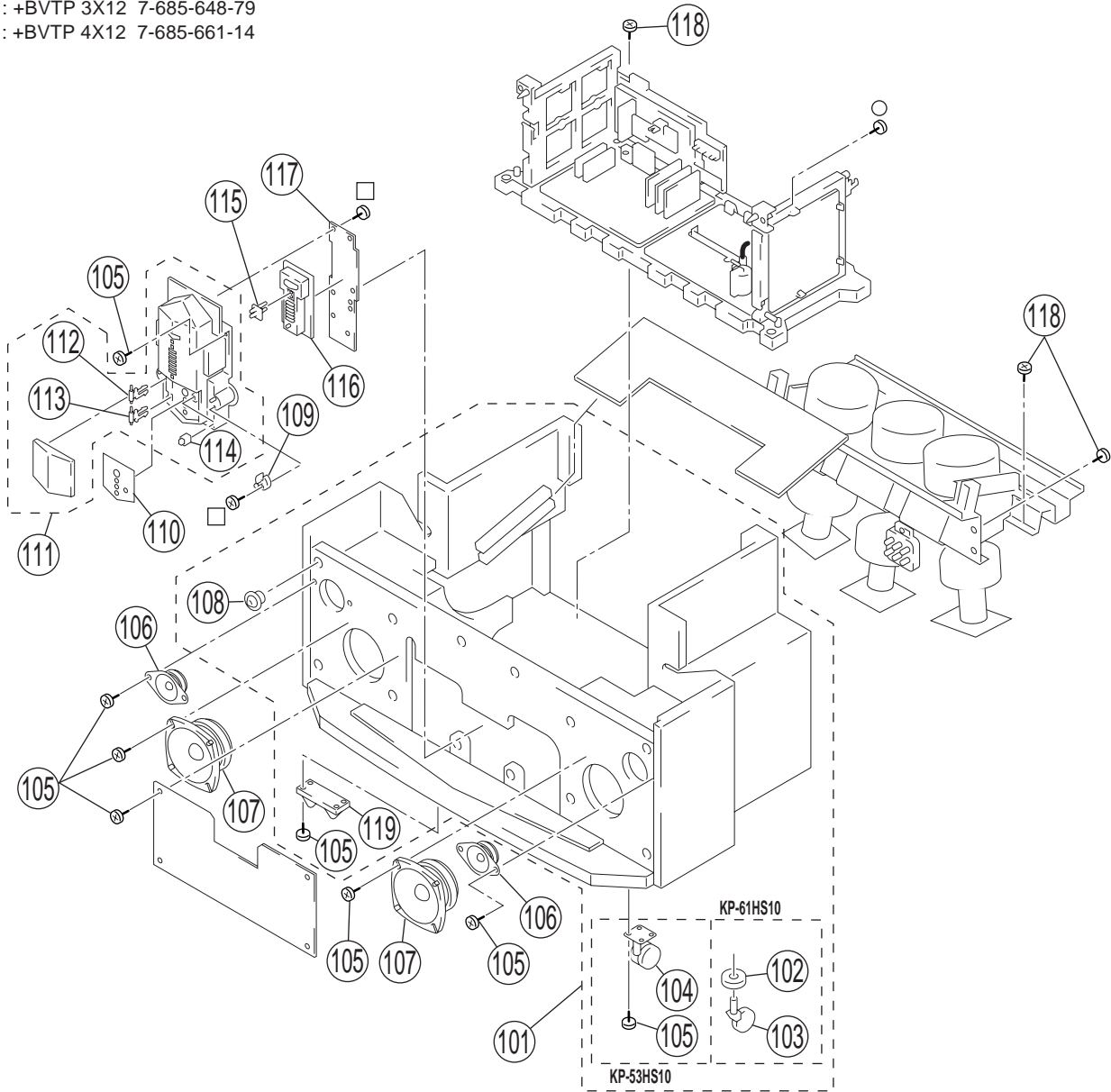


| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|----------------|---------------------------|--------|----------|----------------|-----------------------|--------|
| 51 | * 4-074-355-01 | SKIRT (61), FRONT | | 61 | * 4-070-329-01 | HOLDER (L), SCREEN YC | |
| 52 | 4-378-522-31 | SCREW (4X20), TAPPING | | 62 | * 4-069-695-01 | COVER, MIRROR | |
| 53 | X-4037-653-1 | GRILLE ASSY (61), SPEAKER | | 63 | 4-070-922-01 | MIRROR, REFLECTION | |
| 54 | * A-1372-776-A | HC BORAD, COMPLETE | | 64 | * 4-069-689-01 | HOLDER (L), MIRROR | |
| 55 | X-4036-807-1 | BEZNET ASSY (61V) | | 65 | * 4-070-345-01 | HOLDER (TOP), MIRROR | |
| 56 | 4-058-538-11 | SCREEN (61), CONTRAST | | 66 | * 4-069-690-01 | HOLDER (R), MIRROR | |
| 57 | 4-070-283-11 | PLATE (L), DIFFUSION | | 67 | * 4-075-625-01 | BOARD, REAR | |
| 58 | 4-066-082-11 | PLATE (F), DIFFUSION | | | | | |
| 59 | * 4-070-334-01 | HOLDER (S), SCREEN YC | | | | | |
| 60 | * A-1390-933-A | S BORAD, COMPLETE | | | | | |

7-3. CABINET

π : +BVTP 3X12 7-685-648-79

○ : +BVTP 4X12 7-685-661-14



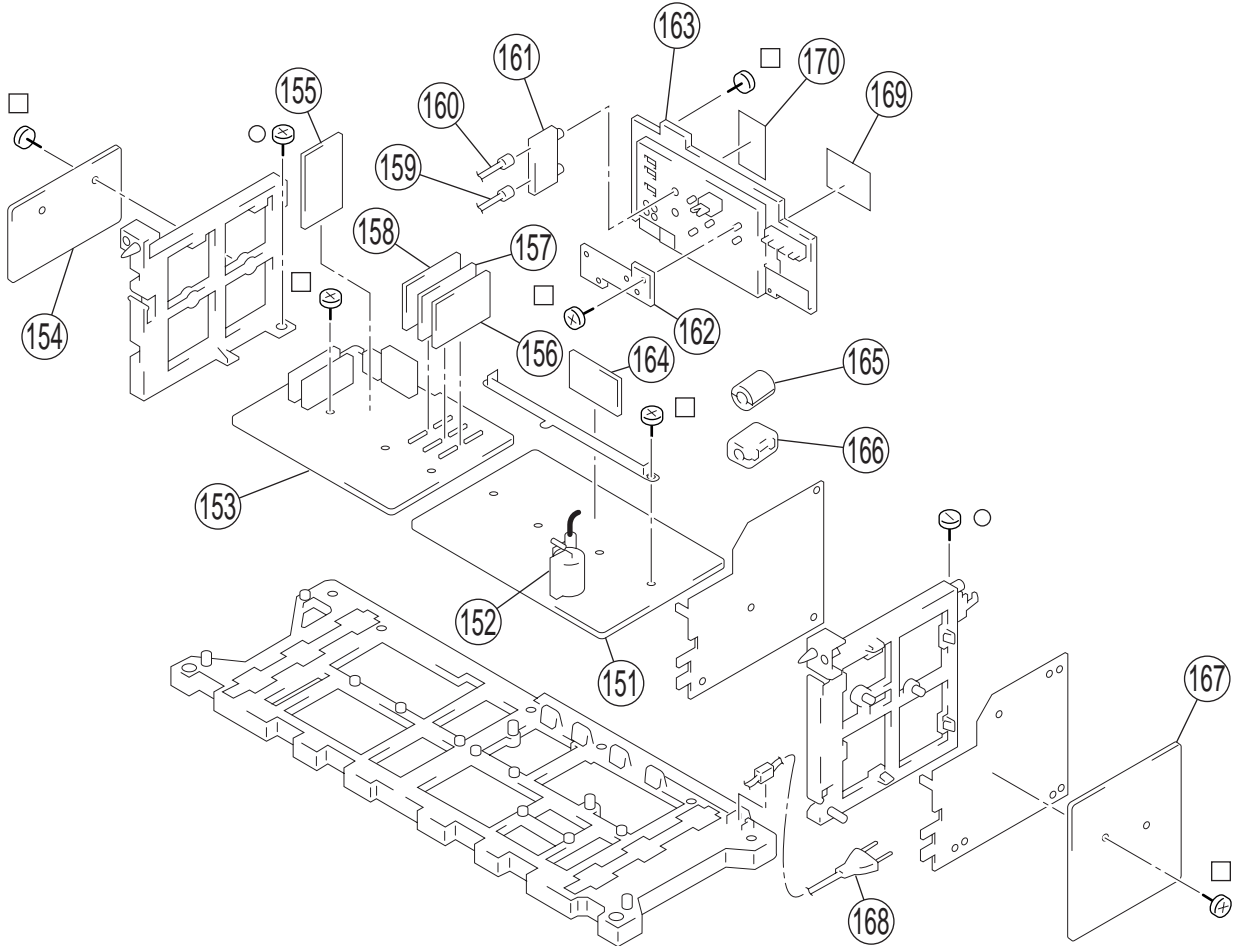
| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|----------------------------|---------------|----------|----------------|----------------------------|---------------|
| 101 | X-4037-651-1 | CABINET (53) ASSY (53HS10) | 104, 108, 119 | 109 | 4-054-709-01 | STRIKE | |
| | X-4037-654-1 | CABINET (61) ASSY (61HS10) | 102, 108, 119 | 110 | 4-074-360-01 | LABEL, CONTROL | |
| 102 | 4-030-850-01 | SOCKET, CASTER (61HS10) | | 111 | X-4037-652-1 | PANEL ASSY, CONTROL | 112, 113, 114 |
| 103 | 4-039-546-01 | CASTER (61HS10) | | 112 | 4-045-250-01 | DAMPER | |
| 104 | 4-040-755-01 | CASTER (DIA. 30) (53HS10) | | 113 | 3-703-035-11 | SHAFT, LID | |
| 105 | 4-378-522-31 | SCREW (4X20), TAPPING | | 114 | 4-042-192-01 | CATCHER, PUSH | |
| 106 | 1-529-403-21 | SPEAKER (6.6cm) | | 115 | 4-074-359-01 | GUIDE, LED | |
| 107 | 1-529-643-11 | SPEAKER (13cm) (53HS10) | | 116 | 4-074-357-01 | BUTTON, MULTI | |
| | 1-529-644-11 | SPEAKER (16cm) (61HS10) | | 117 | * A-1372-775-A | HA BORAD, COMPLETE | |
| 108 | 4-063-421-02 | LATCH (K) | | 118 | 4-052-894-01 | SCREW (4X20), HEAD TAPPING | |
| | | | | 119 | 4-048-175-01 | FOOT, PLASTIC | |

7-4. CHASSIS

π : +BVTP 3X12 7-685-648-79
○ : +BVTP 4X12 7-685-661-14

Les composants identifiés par une trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



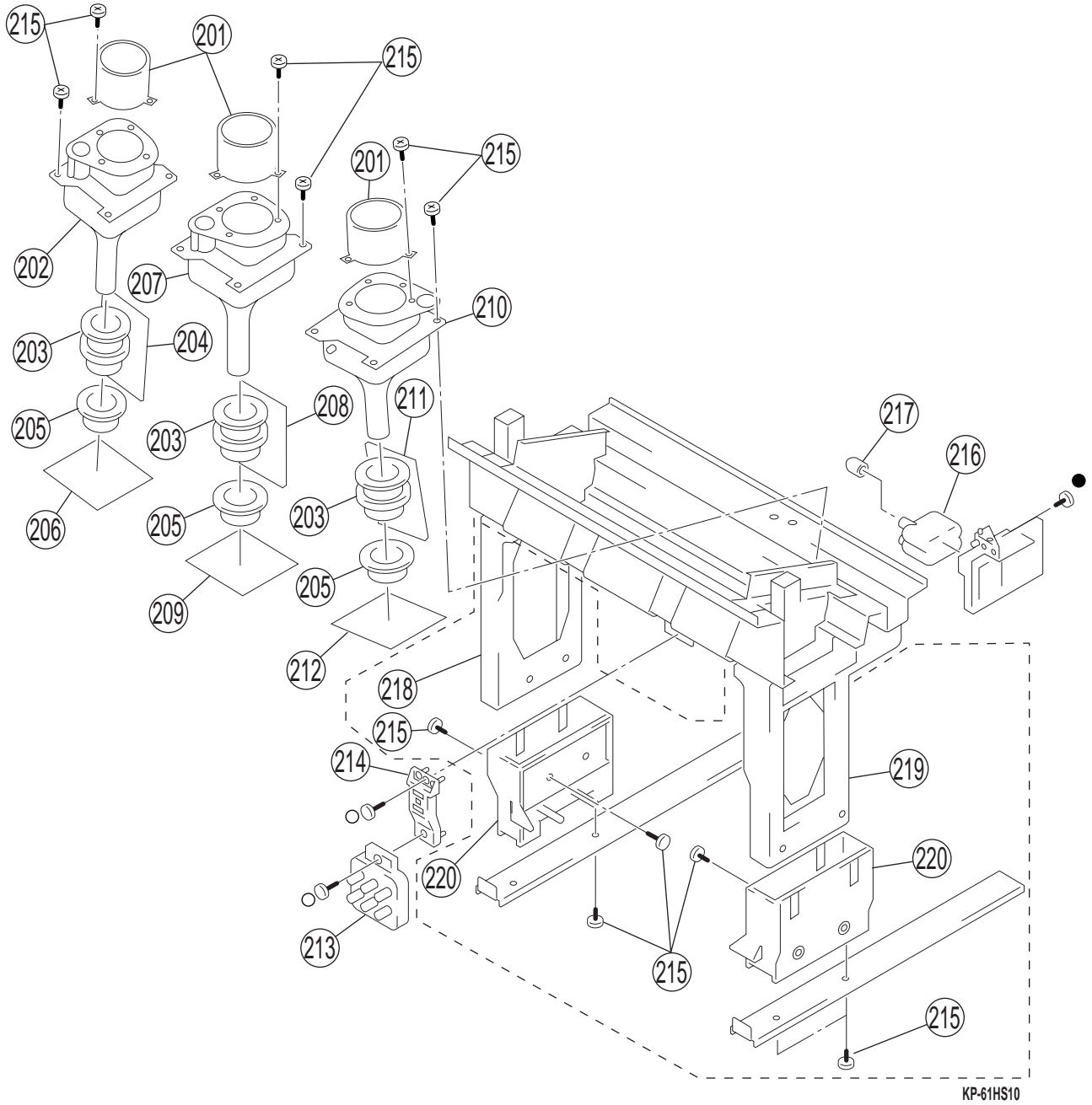
| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--|------------------------|--------|----------|-----------------------------------|--------------------------------|--------|
| 151 | * A-1346-873-A D BORAD, COMPLETE (53HS10) * A-1346-899-A D BORAD, COMPLETE (61HS10) | | | 160 | * 1-556-945-21 | CABLE, P-P | |
| 152 | \triangle 1-453-285-11 | FBT ASSY NX-4007//J1P4 | | 161 | 1-251-321-12 | SELECTOR, ANTENNA | |
| 153 | * A-1299-141-A A BORAD, COMPLETE | | | 162 | * A-1373-794-A U BORAD, COMPLETE | | |
| 154 | * A-1380-624-A K BORAD, COMPLETE | | | 163 | 4-065-812-21 | TERMINAL BOARD (ASSY) | |
| 155 | * A-1131-461-A BA BORAD, COMPLETE | | | 164 | * A-1343-712-A DS BORAD, COMPLETE | | |
| 156 | * A-1131-556-A BD BORAD, COMPLETE | | | 165 | 1-543-653-11 | CORE ASSY, BEAD(DIVISION TYPE) | |
| 157 | * A-1131-462-A BR BORAD, COMPLETE | | | 166 | 1-500-021-11 | CLAMP, SLEEVE FERRITE | |
| 158 | * A-1131-470-A BM BORAD, COMPLETE | | | 167 | * A-1316-513-A G BORAD, COMPLETE | | |
| 159 | * 1-557-056-31 | CABLE, P-P | | 168 | \triangle 1-790-130-11 | CORD, AC POWER(WITH CONNECTOR) | |
| | | | | 169 | 4-071-136-01 | LABEL (A), TERMINAL | |
| | | | | 170 | 4-074-792-01 | LABEL, CENTER SPEAKER | |

7-5. PICTURE TUBE

- : +BVTP 3X16 7-685-650-79
- : +BVTP 3X12 7-685-661-14

Les composants identifiés par une trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------------------|--------------------------------|--------|----------|--------------------------|--------------------------------|-----------|
| 201 | 4-040-131-21 | LENS (LINNIT POINT 6) (61HS10) | | 210 | \triangle 8-733-576-15 | CRT 07MAC4(B)(HEATER) (61HS10) | |
| 201 | 4-056-258-11 | LENS (DELTA 78) (53HS10) | | 211 | * A-1390-952-A | ZB BORAD, COMPLETE | |
| 202 | \triangle 8-733-572-15 | CRT 07MXC3(R)(HEATER) (53HS10) | | 212 | * A-1331-974-A | CB BORAD, COMPLETE | |
| 202 | \triangle 8-733-573-15 | CRT 07MXC4(R)(HEATER) (61HS10) | | 213 | \triangle 1-223-925-51 | RESISTOR ASSY (HIGH-VOLTAGE) | |
| 203 | \triangle 1-451-510-11 | DEFLECTION YOK | | | | | FOCUSPACK |
| 204 | * A-1390-950-A | ZR BORAD, COMPLETE | | 214 | * 4-063-403-01 | BRACKET, FOCUS PACK | |
| 205 | 1-452-790-21 | NECK ASSY | | 215 | 4-052-894-01 | SCREW (4X20), HEAD TAPPING | |
| 206 | * A-1331-972-A | CR BORAD, COMPLETE | | 216 | \triangle 8-598-955-12 | BLOCK ASSY, HIGH-VOLTAGE | |
| 207 | \triangle 8-733-570-15 | CRT 07MXC2(G)(HEATER) | | 217 | 4-373-137-01 | CAP (Z), RUBBER | |
| 208 | * A-1390-951-A | ZG BORAD, COMPLETE | | 218 | 4-069-677-01 | BOARD (L), SIDE (61HS10) | |
| 209 | * A-1331-973-A | CG BORAD, COMPLETE | | 219 | 4-069-678-01 | BOARD (R), SIDE (61HS10) | |
| 210 | \triangle 8-733-575-15 | CRT 07MAC3(B)(HEATER) (53HS10) | | 220 | * 4-072-791-01 | SPACER, BOTTOM (61HS10) | |



SECTION 8 ELECTRICAL PARTS LIST

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- The components identified by in Δ this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- CAPACITORS
PF : $\mu\mu F$
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

- RESISTORS
- All resistors are in ohms
 - F : nonflammable

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--|--------------|------------------------------|------------------------|--|--------------|-------------|-----------------|
| * A-1390-951-A ZG BOARD, COMPLETE ***** | | | | <DEFLECTION YOKE> | | | |
| 4-382-854-11 SCREW (M3X10), P, SW (+) | | | | DY4201 Δ 1-451-510-11 DEFLECTION YOKE | | | |
| <CAPACITOR> | | | | <COIL> | | | |
| C4201 | 1-163-038-91 | CERAMIC CHIP | 0.1 μF 25V | L4201 | 1-414-187-11 | INDUCTOR | 47 μH |
| C4202 | 1-107-667-11 | ELECT | 2.2 μF 20% 160V | L4202 | 1-414-183-41 | INDUCTOR | 10 μH |
| C4203 | 1-130-471-00 | MYLAR | 0.001 μF 5% 50V | <TRANSISTOR> | | | |
| C4204 | 1-130-471-00 | MYLAR | 0.001 μF 5% 50V | Q4201 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX |
| C4205 | 1-104-987-11 | MYLAR | 0.001 μF 10% 200V | Q4203 | 8-729-045-04 | TRANSISTOR | 2SC5511 |
| C4206 | 1-104-987-11 | MYLAR | 0.001 μF 10% 200V | Q4204 | 8-729-045-05 | TRANSISTOR | 2SA2005 |
| C4207 | 1-107-364-11 | MYLAR | 0.01 μF 10% 200V | Q4205 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX |
| C4208 | 1-126-968-11 | ELECT | 100 μF 20% 50V | Q4206 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX |
| C4209 | 1-126-968-11 | ELECT | 100 μF 20% 50V | Q4207 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX |
| C4210 | 1-107-645-11 | ELECT | 22 μF 20% 160V | Q4208 | 8-729-216-22 | TRANSISTOR | 2SB709A-QRS-TX |
| C4211 | 1-161-830-00 | CERAMIC | 0.0047 μF 500V | Q4209 | 8-729-216-22 | TRANSISTOR | 2SB709A-QRS-TX |
| C4212 | 1-106-220-00 | MYLAR | 0.1 μF 10% 100V | <RESISTOR> | | | |
| C4213 | 1-106-220-00 | MYLAR | 0.1 μF 10% 100V | R4201 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| C4214 | 1-104-664-11 | ELECT | 47 μF 20% 16V | R4202 | 1-216-475-11 | METAL OXIDE | 120 5% 3W |
| C4215 | 1-107-823-11 | CERAMIC CHIP | 0.47 μF 10% 16V | R4203 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| C4216 | 1-107-823-11 | CERAMIC CHIP | 0.47 μF 10% 16V | R4206 | 1-216-475-11 | METAL OXIDE | 120 5% 3W |
| C4217 | 1-161-830-00 | CERAMIC | 0.0047 μF 500V | R4207 | 1-249-397-11 | CARBON | 22 5% 1/4W |
| C4218 | 1-163-038-91 | CERAMIC CHIP | 0.1 μF 25V | R4208 | 1-247-863-91 | CARBON | 22K 5% 1/4W |
| C4219 | 1-161-830-00 | CERAMIC | 0.0047 μF 500V | R4209 | 1-249-414-11 | CARBON | 560 5% 1/4W |
| C4220 | 1-163-038-91 | CERAMIC CHIP | 0.1 μF 25V | R4210 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| <CONNECTOR> | | | | R4211 | 1-249-414-11 | CARBON | 560 5% 1/4W |
| CN4201* | 1-564-509-11 | PLUG, CONNECTOR 6P | | R4212 | 1-247-863-91 | CARBON | 22K 5% 1/4W |
| CN4202* | 1-564-509-11 | PLUG, CONNECTOR 6P | | R4213 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| CN4203* | 1-564-507-11 | PLUG, CONNECTOR 4P | | R4214 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| CN4204* | 1-564-506-11 | PLUG, CONNECTOR 3P | | R4215 | 1-249-384-11 | CARBON | 1.8 5% 1/4W |
| CN4205* | 1-564-506-11 | PLUG, CONNECTOR 3P | | R4216 | 1-249-384-11 | CARBON | 1.8 5% 1/4W |
| CN4206* | 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | | R4217 | 1-249-401-11 | CARBON | 47 5% 1/4W |
| CN4207* | 1-564-506-11 | PLUG, CONNECTOR 3P | | R4218 | 1-249-401-11 | CARBON | 47 5% 1/4W |
| <DIODE> | | | | R4219 | 1-216-476-11 | METAL OXIDE | 180 5% 3W |
| D4201 | 8-719-921-86 | DIODE MTZJ-T-77-13 | | R4221 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W |
| D4202 | 8-719-921-86 | DIODE MTZJ-T-77-13 | | R4222 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% 1/10W |
| | | | | R4223 | 1-208-794-11 | METAL CHIP | 3.3K 0.5% 1/10W |

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Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|----------------|------------|
| R4224 | 1-208-806-11 | METAL CHIP 10K | 0.5% 1/10W |
| R4225 | 1-216-033-00 | RES-CHIP 220 | 5% 1/10W |
| R4226 | 1-216-009-91 | RES-CHIP 22 | 5% 1/10W |
| R4227 | 1-216-009-91 | RES-CHIP 22 | 5% 1/10W |

* A-1390-950-A ZR BOARD, COMPLETE

4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

| | | | |
|-------|--------------|---------------------|----------|
| C4101 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C4102 | 1-104-664-11 | ELECT 47μF | 20% 16V |
| C4103 | 1-107-667-11 | ELECT 2.2μF | 20% 160V |
| C4104 | 1-130-471-00 | MYLAR 0.001μF | 5% 50V |
| C4105 | 1-130-471-00 | MYLAR 0.001μF | 5% 50V |
| C4106 | 1-104-987-11 | MYLAR 0.001μF | 10% 200V |
| C4107 | 1-104-987-11 | MYLAR 0.001μF | 10% 200V |
| C4108 | 1-107-364-11 | MYLAR 0.01μF | 10% 200V |
| C4109 | 1-126-968-11 | ELECT 100μF | 20% 50V |
| C4110 | 1-107-645-11 | ELECT 22μF | 20% 160V |
| C4111 | 1-126-968-11 | ELECT 100μF | 20% 50V |
| C4112 | 1-161-830-00 | CERAMIC 0.0047μF | 500V |
| C4113 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C4114 | 1-161-830-00 | CERAMIC 0.0047μF | 500V |
| C4115 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C4116 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |

<CONNECTOR>

| | | |
|---------|--------------|------------------------------|
| CN4101* | 1-564-509-11 | PLUG, CONNECTOR 6P |
| CN4102* | 1-564-506-11 | PLUG, CONNECTOR 3P |
| CN4104* | 1-564-507-11 | PLUG, CONNECTOR 4P |
| CN4105* | 1-564-506-11 | PLUG, CONNECTOR 3P |
| CN4107* | 1-580-690-11 | PIN, CONNECTOR (PC BOARD) 4P |

<DIODE>

| | | |
|-------|--------------|--------------------|
| D4102 | 8-719-921-86 | DIODE MTZJ-T-77-13 |
| D4103 | 8-719-921-86 | DIODE MTZJ-T-77-13 |

<DEFLECTION YOKE>

DY4101Δ1-451-510-11 DEFLECTION YOKE

<COIL>

| | | |
|-------|--------------|---------------|
| L4101 | 1-414-183-41 | INDUCTOR 10μH |
| L4102 | 1-414-187-11 | INDUCTOR 47μH |

<TRANSISTOR>

| | | |
|-------|--------------|---------------------------|
| Q4101 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX |
| Q4104 | 8-729-045-04 | TRANSISTOR 2SC5511 |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------------|--------|
| Q4105 | 8-729-045-05 | TRANSISTOR 2SA2005 | |
| Q4106 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| Q4107 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| Q4108 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| Q4109 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| Q4110 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |

<RESISTOR>

| | | | | |
|-------|--------------|-----------------|------|-------|
| R4101 | 1-216-025-91 | RES-CHIP 100 | 5% | 1/10W |
| R4102 | 1-208-800-11 | METAL CHIP 5.6K | 0.5% | 1/10W |
| R4103 | 1-208-794-11 | METAL CHIP 3.3K | 0.5% | 1/10W |
| R4104 | 1-216-049-91 | RES-CHIP 1K | 5% | 1/10W |
| R4105 | 1-216-475-11 | METAL OXIDE 120 | 5% | 3W |
| R4106 | 1-216-033-00 | RES-CHIP 220 | 5% | 1/10W |
| R4107 | 1-216-475-11 | METAL OXIDE 120 | 5% | 3W |
| R4109 | 1-216-009-91 | RES-CHIP 22 | 5% | 1/10W |
| R4110 | 1-249-414-11 | CARBON 560 | 5% | 1/4W |
| R4111 | 1-247-863-91 | CARBON 22K | 5% | 1/4W |
| R4113 | 1-249-429-11 | CARBON 10K | 5% | 1/4W |
| R4114 | 1-249-414-11 | CARBON 560 | 5% | 1/4W |
| R4115 | 1-247-863-91 | CARBON 22K | 5% | 1/4W |
| R4116 | 1-249-397-11 | CARBON 22 | 5% | 1/4W |
| R4117 | 1-249-415-11 | CARBON 680 | 5% | 1/4W |
| R4118 | 1-249-415-11 | CARBON 680 | 5% | 1/4W |
| R4119 | 1-249-384-11 | CARBON 1.8 | 5% | 1/4W |
| R4120 | 1-249-384-11 | CARBON 1.8 | 5% | 1/4W |
| R4121 | 1-249-401-11 | CARBON 47 | 5% | 1/4W |
| R4122 | 1-249-401-11 | CARBON 47 | 5% | 1/4W |
| R4123 | 1-216-476-11 | METAL OXIDE 180 | 5% | 3W |
| R4124 | 1-208-806-11 | METAL CHIP 10K | 0.5% | 1/10W |
| R4125 | 1-208-806-11 | METAL CHIP 10K | 0.5% | 1/10W |
| R4126 | 1-216-009-91 | RES-CHIP 22 | 5% | 1/10W |

* A-1390-952-A ZB BOARD, COMPLETE

4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

| | | | |
|-------|--------------|---------------------|----------|
| C4301 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C4302 | 1-107-667-11 | ELECT 2.2μF | 20% 160V |
| C4303 | 1-130-471-00 | MYLAR 0.001μF | 5% 50V |
| C4304 | 1-130-471-00 | MYLAR 0.001μF | 5% 50V |
| C4305 | 1-104-987-11 | MYLAR 0.001μF | 10% 200V |
| C4306 | 1-104-987-11 | MYLAR 0.001μF | 10% 200V |
| C4307 | 1-107-364-11 | MYLAR 0.01μF | 10% 200V |
| C4308 | 1-126-968-11 | ELECT 100μF | 20% 50V |
| C4309 | 1-126-968-11 | ELECT 100μF | 20% 50V |
| C4310 | 1-107-645-11 | ELECT 22μF | 20% 160V |
| C4311 | 1-161-830-00 | CERAMIC 0.0047μF | 500V |
| C4312 | 1-104-664-11 | ELECT 47μF | 20% 16V |
| C4313 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C4314 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |

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ZB CR

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------|--------------|---------------------------|---------------------|----------------|----------------|-------------------------|-----------------------|
| C4315 | 1-161-830-00 | CERAMIC | 0.0047 μ F 500V | R4323 | 1-208-794-11 | METAL CHIP | 3.3K 0.5% 1/10W |
| C4316 | 1-163-038-91 | CERAMIC CHIP | 0.1 μ F 25V | R4324 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W |
| | | <CONNECTOR> | | R4325 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| CN4301* | 1-564-509-11 | PLUG, CONNECTOR | 6P | R4326 | 1-216-009-91 | RES-CHIP | 22 5% 1/10W |
| CN4302* | 1-564-507-11 | PLUG, CONNECTOR | 4P | R4327 | 1-216-009-91 | RES-CHIP | 22 5% 1/10W |
| CN4303* | 1-564-506-11 | PLUG, CONNECTOR | 3P | ***** | | | |
| CN4304* | 1-580-690-11 | PIN, CONNECTOR (PC BOARD) | 4P | | * A-1331-972-A | CR BOARD, COMPLETE | |
| CN4305* | 1-564-506-11 | PLUG, CONNECTOR | 3P | | | ***** | |
| | | <DIODE> | | | 4-382-854-51 | SCREW (M3X8), P, SW (+) | |
| D4301 | 8-719-921-86 | DIODE | MTZJ-T-77-13 | | | <CAPACITOR> | |
| D4302 | 8-719-921-86 | DIODE | MTZJ-T-77-13 | | | | |
| | | <DEFLECTION YOKE> | | C7100 | 1-162-114-00 | CERAMIC | 0.0047 μ F 2KV |
| DY4301 Δ | 1-451-510-11 | DEFLECTION YOKE | | C7102 | 1-162-115-00 | CERAMIC | 330pF 10% 2KV |
| | | <COIL> | | C7103 | 1-107-662-11 | ELECT | 22 μ F 20% 250V |
| L4301 | 1-414-187-11 | INDUCTOR | 47 μ H | C7104 | 1-126-768-11 | ELECT | 2200 μ F 20% 16V |
| L4302 | 1-414-183-41 | INDUCTOR | 10 μ H | C7105 | 1-162-115-00 | CERAMIC | 330pF 10% 2KV |
| | | <TRANSISTOR> | | C7106 | 1-163-038-91 | CERAMIC CHIP | 0.1 μ F 25V |
| Q4301 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX | C7107 | 1-163-038-91 | CERAMIC CHIP | 0.1 μ F 25V |
| Q4303 | 8-729-045-04 | TRANSISTOR | 2SC5511 | C7108 | 1-126-967-11 | ELECT | 47 μ F 20% 50V |
| Q4304 | 8-729-045-05 | TRANSISTOR | 2SA2005 | C7109 | 1-161-830-00 | CERAMIC | 0.0047 μ F 500V |
| Q4305 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX | C7110 | 1-102-050-00 | CERAMIC | 0.01 μ F 99% 500V |
| Q4306 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX | C7111 | 1-102-157-00 | CERAMIC | 560pF 10% 500V |
| Q4307 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX | C7112 | 1-163-087-00 | CERAMIC CHIP | 4pF 0.25pF 50V |
| Q4308 | 8-729-216-22 | TRANSISTOR | 2SB709A-QRS-TX | C7113 | 1-126-964-11 | ELECT | 10 μ F 20% 50V |
| Q4309 | 8-729-216-22 | TRANSISTOR | 2SB709A-QRS-TX | C7116 | 1-163-255-11 | CERAMIC CHIP | 150pF 5% 50V |
| | | <RESISTOR> | | | | <CONNECTOR> | |
| R4301 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | CN7101* | 1-564-511-11 | PLUG, CONNECTOR | 8P |
| R4302 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | CN7102* | 1-564-509-11 | PLUG, CONNECTOR | 6P |
| R4304 | 1-216-475-11 | METAL OXIDE | 120 5% 3W | CN7103* | 1-564-512-11 | PLUG, CONNECTOR | 9P |
| R4306 | 1-216-475-11 | METAL OXIDE | 120 5% 3W | CN7104 | 1-785-879-11 | CONNECTOR, ONE TOUCH | |
| R4307 | 1-249-397-11 | CARBON | 22 5% 1/4W | CN7107 | 1-695-915-11 | TAB (CONTACT) | |
| R4308 | 1-247-863-91 | CARBON | 22K 5% 1/4W | | | <DIODE> | |
| R4309 | 1-249-414-11 | CARBON | 560 5% 1/4W | D7102 | 8-719-921-86 | DIODE | MTZJ-T-77-13 |
| R4310 | 1-249-415-11 | CARBON | 680 5% 1/4W | D7103 | 8-719-901-83 | DIODE | 1SS83TD |
| R4311 | 1-249-414-11 | CARBON | 560 5% 1/4W | D7104 | 8-719-901-83 | DIODE | 1SS83TD |
| R4312 | 1-247-863-91 | CARBON | 22K 5% 1/4W | D7105 | 8-719-901-83 | DIODE | 1SS83TD |
| R4313 | 1-249-415-11 | CARBON | 680 5% 1/4W | D7106 | 8-719-901-83 | DIODE | 1SS83TD |
| R4314 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | <IC> | |
| R4315 | 1-249-384-11 | CARBON | 1.8 5% 1/4W | D7107 | 1-216-295-91 | SHORT | 0 |
| R4316 | 1-249-384-11 | CARBON | 1.8 5% 1/4W | D7109 | 8-719-921-86 | DIODE | MTZJ-T-77-13 |
| R4317 | 1-249-401-11 | CARBON | 47 5% 1/4W | D7110 | 8-719-921-86 | DIODE | MTZJ-T-77-13 |
| R4318 | 1-249-401-11 | CARBON | 47 5% 1/4W | | | <JACK> | |
| R4319 | 1-216-476-11 | METAL OXIDE | 180 5% 3W | J7101 Δ | 1-251-182-11 | SOCKET, CRT | |
| R4321 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W | | | | |
| R4322 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% 1/10W | | | | |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------------------------------|--------------|--------------|-----------------|----------|-----------------------|----------------------|-----------------|
| | | <COIL> | | | | | |
| L7102 | 1-414-223-11 | INDUCTOR | 470μH | C7202 | 1-162-115-00 | CERAMIC | 330pF 10% 2KV |
| L7103 | 1-414-181-11 | INDUCTOR | 4.7μH | C7203 | 1-126-768-11 | ELECT | 2200μF 20% 16V |
| L7104 | 1-414-187-11 | INDUCTOR | 47μH | C7204 | 1-107-662-11 | ELECT | 22μF 20% 250V |
| | | <NEON LAMP> | | C7205 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V |
| NL7101 | 1-517-778-21 | LAMP, NEON | | C7206 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V |
| NL7102 | 1-517-778-21 | LAMP, NEON | | C7207 | 1-162-115-00 | CERAMIC | 330pF 10% 2KV |
| NL7103 | 1-517-778-21 | LAMP, NEON | | C7208 | 1-126-967-11 | ELECT | 47μF 20% 50V |
| | | <TRANSISTOR> | | C7209 | 1-102-050-00 | CERAMIC | 0.01μF 99% 500V |
| Q7101 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX | C7210 | 1-161-830-00 | CERAMIC | 0.0047μF 500V |
| Q7102 | 8-729-216-22 | TRANSISTOR | 2SB709A-QRS-TX | | | <CONNECTOR> | |
| | | <RESISTOR> | | CN7201* | 1-564-509-11 | PLUG, CONNECTOR | 6P |
| R7101 | 1-260-132-11 | CARBON | 560K 5% 1/2W | CN7202* | 1-564-508-11 | PLUG, CONNECTOR | 5P |
| R7102 | 1-249-389-11 | CARBON | 4.7 5% 1/4W | CN7203* | 1-564-512-11 | PLUG, CONNECTOR | 9P |
| R7103 | 1-216-295-91 | SHORT | 0 | CN7204* | 1-564-512-11 | PLUG, CONNECTOR | 9P |
| R7105 | 1-260-117-11 | CARBON | 33K 5% 1/2W | CN7205 | 1-785-879-11 | CONNECTOR, ONE TOUCH | |
| R7106 | 1-219-743-11 | CARBON | 100 5% 1/2W | CN7208 | 1-695-915-11 | TAB (CONTACT) | |
| R7107 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% 1/10W | CN7210* | 1-564-506-11 | PLUG, CONNECTOR | 3P |
| R7108 | 1-260-133-11 | CARBON | 680K 5% 1/2W | | | <DIODE> | |
| R7109 | 1-208-808-11 | METAL CHIP | 12K 0.5% 1/10W | D7202 | 8-719-921-86 | DIODE | MTZJ-T-77-13 |
| R7110 | 1-208-793-11 | METAL CHIP | 3K 0.5% 1/10W | D7203 | 8-719-901-83 | DIODE | 1SS83TD |
| R7111 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | D7204 | 8-719-901-83 | DIODE | 1SS83TD |
| R7112 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W | D7205 | 8-719-901-83 | DIODE | 1SS83TD |
| R7113 | 1-216-029-00 | RES-CHIP | 150 5% 1/10W | D7206 | 8-719-901-83 | DIODE | 1SS83TD |
| R7114 | 1-208-791-11 | METAL CHIP | 2.4K 0.5% 1/10W | D7207 | 1-216-295-91 | SHORT | 0 |
| R7115 | 1-208-798-11 | METAL CHIP | 4.7K 0.5% 1/10W | D7208 | 8-719-073-01 | DIODE | MA111-TX |
| R7116 | 1-215-904-11 | METAL OXIDE | 100K 5% 2W | D7209 | 8-719-921-86 | DIODE | MTZJ-T-77-13 |
| R7117 | 1-260-093-11 | CARBON | 330 5% 1/2W | D7210 | 8-719-921-86 | DIODE | MTZJ-T-77-13 |
| R7118 | 1-260-087-11 | CARBON | 100 5% 1/2W | | | <IC> | |
| R7119 | 1-260-099-11 | CARBON | 1K 5% 1/2W | IC7201 | 8-759-360-83 | IC | TDA6111Q/N4 |
| R7122 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | | | <JACK> | |
| R7123 | 1-216-053-00 | RES-CHIP | 1.5K 5% 1/10W | J7201 | Δ 1-251-182-11 | SOCKET, CRT | |
| R7126 | 1-208-802-11 | METAL CHIP | 6.8K 0.5% 1/10W | | | <COIL> | |
| R7127 | 1-208-802-11 | METAL CHIP | 6.8K 0.5% 1/10W | L7201 | 1-414-223-11 | INDUCTOR | 470μH |
| | | <SPARK GAP> | | L7203 | 1-414-181-11 | INDUCTOR | 4.7μH |
| SG7101 | 1-519-422-11 | GAP, SPARK | | L7204 | 1-414-187-11 | INDUCTOR | 47μH |
| SG7102 | 1-519-422-11 | GAP, SPARK | | | | <NEON LAMP> | |
| ***** | | | | NL7201 | 1-517-778-21 | LAMP, NEON | |
| * A-1331-973-A CG BOARD, COMPLETE | | | | NL7202 | 1-517-778-21 | LAMP, NEON | |
| ***** | | | | | | <CAPACITOR> | |
| 4-382-854-51 SCREW (M3X8), P, SW (+) | | | | C7200 | 1-162-114-00 | CERAMIC | 0.0047μF 2KV |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------------------------------|--------------|---------------------------|------------|----------|--------------|-----------------------|---------|
| <TRANSISTOR> | | | | | | | |
| Q7201 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | C1719 | 1-163-237-11 | CERAMIC CHIP 27pF | 5% 50V |
| Q7202 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | C1721 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| <RESISTOR> | | | | | | | |
| R7201 | 1-260-132-11 | CARBON 560K | 5% 1/2W | C1722 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| R7202 | 1-216-295-91 | SHORT | 0 | C1723 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| R7203 | 1-216-097-91 | RES-CHIP 100K | 5% 1/10W | C1724 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| R7204 | 1-219-743-11 | CARBON 100 | 5% 1/2W | C1725 | 1-163-231-11 | CERAMIC CHIP 15pF | 5% 50V |
| R7205 | 1-260-117-11 | CARBON 33K | 5% 1/2W | C1727 | 1-164-690-91 | CERAMIC CHIP 0.0022μF | 5% 50V |
| R7206 | 1-208-800-11 | METAL CHIP 5.6K | 0.5% 1/10W | C1729 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| R7207 | 1-208-808-11 | METAL CHIP 12K | 0.5% 1/10W | C1730 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| R7208 | 1-216-033-00 | RES-CHIP 220 | 5% 1/10W | C1737 | 1-163-275-11 | CERAMIC CHIP 0.001μF | 5% 50V |
| R7209 | 1-260-133-11 | CARBON 680K | 5% 1/2W | C1738 | 1-164-690-91 | CERAMIC CHIP 0.0022μF | 5% 50V |
| R7210 | 1-208-794-11 | METAL CHIP 3.3K | 0.5% 1/10W | C1739 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| R7211 | 1-249-424-11 | CARBON 3.9K | 5% 1/4W | C1740 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| R7212 | 1-208-788-11 | METAL CHIP 1.8K | 0.5% 1/10W | C1741 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| R7213 | 1-215-904-11 | METAL OXIDE 100K | 5% 2W | C1744 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| R7214 | 1-216-029-00 | RES-CHIP 150 | 5% 1/10W | C1745 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| R7216 | 1-260-093-11 | CARBON 330 | 5% 1/2W | C1747 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| R7217 | 1-208-794-11 | METAL CHIP 3.3K | 0.5% 1/10W | C1748 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| R7219 | 1-216-053-00 | RES-CHIP 1.5K | 5% 1/10W | C1749 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| R7220 | 1-216-033-00 | RES-CHIP 220 | 5% 1/10W | C1750 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| R7221 | 1-260-099-11 | CARBON 1K | 5% 1/2W | C1753 | 1-163-275-11 | CERAMIC CHIP 0.001μF | 5% 50V |
| R7223 | 1-208-804-11 | METAL CHIP 8.2K | 0.5% 1/10W | C1757 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| R7224 | 1-208-802-11 | METAL CHIP 6.8K | 0.5% 1/10W | C1758 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| R7225 | 1-260-087-11 | CARBON 100 | 5% 1/2W | C1761 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| <SPARK GAP> | | | | | | | |
| SG7201 | 1-519-422-11 | GAP, SPARK | | C1762 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| SG7202 | 1-519-422-11 | GAP, SPARK | | C1763 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| SG7203 | 1-519-422-11 | GAP, SPARK | | C1764 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| ***** | | | | | | | |
| * A-1131-556-A BD BOARD, COMPLETE | | | | | | | |
| ***** | | | | | | | |
| 4-382-854-51 SCREW (M3X8), P, SW (+) | | | | | | | |
| <CAPACITOR> | | | | | | | |
| C1703 | 1-163-275-11 | CERAMIC CHIP 0.001μF | 5% 50V | C1772 | 1-115-339-11 | CERAMIC CHIP 0.1μF | 10% 50V |
| C1705 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V | C1773 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1707 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1774 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C1708 | 1-104-664-11 | ELECT 47μF | 20% 25V | C1775 | 1-164-161-11 | CERAMIC CHIP 0.0022μF | 10% 50V |
| C1709 | 1-126-964-11 | ELECT 10μF | 20% 50V | C1776 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C1710 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V | C1777 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1711 | 1-164-690-91 | CERAMIC CHIP 0.0022μF | 5% 50V | C1779 | 1-163-259-91 | CERAMIC CHIP 220pF | 5% 50V |
| C1712 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1780 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1713 | 1-104-664-11 | ELECT 47μF | 20% 25V | C1781 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C1714 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V | C1785 | 1-163-275-11 | CERAMIC CHIP 0.001μF | 5% 50V |
| C1717 | 1-163-275-11 | CERAMIC CHIP 0.001μF | 5% 50V | C1786 | 1-164-690-91 | CERAMIC CHIP 0.0022μF | 5% 50V |
| C1718 | 1-164-690-91 | CERAMIC CHIP 0.0022μF | 5% 50V | C1787 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| | | | | C1788 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| | | | | C1789 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| | | | | C1790 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| | | | | C1791 | 1-163-259-91 | CERAMIC CHIP 220pF | 5% 50V |
| | | | | C1792 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| | | | | C1793 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| | | | | C1794 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| | | | | C1796 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| | | | | C1797 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| | | | | C1798 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| | | | | C1799 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| | | | | C1801 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| | | | | C1802 | 1-163-259-91 | CERAMIC CHIP 220pF | 5% 50V |
| | | | | C1803 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| | | | | C1804 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| | | | | C1805 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| | | | | C1806 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------------|-------------|----------|--------------|----------------------|--------|
| C1807 | 1-104-664-11 | ELECT | 47μF 20% | | | <DIODE> | |
| C1808 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | D1701 | 8-719-073-01 | DIODE MA111-TX | |
| C1809 | 1-104-664-11 | ELECT | 47μF 20% | D1702 | 8-719-073-01 | DIODE MA111-TX | |
| C1810 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | D1703 | 8-719-073-01 | DIODE MA111-TX | |
| C1811 | 1-163-259-91 | CERAMIC CHIP | 220pF 5% | D1704 | 8-719-073-01 | DIODE MA111-TX | |
| C1812 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | D1705 | 8-719-073-01 | DIODE MA111-TX | |
| C1814 | 1-104-664-11 | ELECT | 47μF 20% | D1706 | 8-719-073-01 | DIODE MA111-TX | |
| C1815 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | | | <IC> | |
| C1816 | 1-104-664-11 | ELECT | 47μF 20% | IC1702 | 8-759-106-02 | IC μPC4570G2-E2 | |
| C1817 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1703 | 8-752-913-91 | IC CXP86324-026Q | |
| C1818 | 1-104-664-11 | ELECT | 47μF 20% | IC1704 | 8-759-468-90 | IC ST24E16FM6TR | |
| C1819 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1705 | 8-759-106-02 | IC μPC4570G2-E2 | |
| C1820 | 1-163-235-11 | CERAMIC CHIP | 22pF 5% | IC1706 | 8-759-106-02 | IC μPC4570G2-E2 | |
| C1821 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1707 | 8-759-589-66 | IC CM0006CF | |
| C1822 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1708 | 8-759-106-02 | IC μPC4570G2-E2 | |
| C1823 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1709 | 8-759-106-02 | IC μPC4570G2-E2 | |
| C1824 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1710 | 8-759-106-02 | IC μPC4570G2-E2 | |
| C1825 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1712 | 8-759-032-20 | IC TC74HC32AF(EL) | |
| C1830 | 1-115-339-11 | CERAMIC CHIP | 0.1μF 10% | IC1713 | 8-759-998-22 | IC PCM56P-L | |
| C1831 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1714 | 8-759-998-22 | IC PCM56P-L | |
| C1832 | 1-104-664-11 | ELECT | 47μF 20% | IC1715 | 8-759-998-22 | IC PCM56P-L | |
| C1833 | 1-163-259-91 | CERAMIC CHIP | 220pF 5% | IC1716 | 8-759-032-23 | IC TC74HC74AF(EL) | |
| C1834 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1717 | 8-759-488-29 | IC TC7W66FU(TE12R) | |
| C1835 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1718 | 8-759-352-91 | IC PST9143NL | |
| C1836 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1719 | 8-759-998-22 | IC PCM56P-L | |
| C1837 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1720 | 8-759-998-22 | IC PCM56P-L | |
| C1838 | 1-104-664-11 | ELECT | 47μF 20% | IC1721 | 8-759-998-22 | IC PCM56P-L | |
| C1839 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1722 | 8-759-295-09 | IC TLC2932IPW-E20 | |
| C1840 | 1-104-664-11 | ELECT | 47μF 20% | IC1723 | 8-759-485-79 | IC TC7SET08FU(TE85L) | |
| C1841 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | IC1725 | 8-759-485-79 | IC TC7SET08FU(TE85L) | |
| C1842 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | | | <CHIP CONDUCTOR> | |
| C1844 | 1-104-664-11 | ELECT | 47μF 20% | JR1701 | 1-216-295-91 | SHORT 0 | |
| C1845 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | | | <COIL> | |
| C1846 | 1-104-664-11 | ELECT | 47μF 20% | L1703 | 1-469-555-21 | INDUCTOR 10μH | |
| C1847 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | L1704 | 1-469-555-21 | INDUCTOR 10μH | |
| C1849 | 1-164-690-91 | CERAMIC CHIP | 0.0022μF 5% | L1707 | 1-469-555-21 | INDUCTOR 10μH | |
| C1855 | 1-104-664-11 | ELECT | 47μF 20% | L1708 | 1-469-555-21 | INDUCTOR 10μH | |
| C1856 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | L1709 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C1857 | 1-104-664-11 | ELECT | 47μF 20% | L1710 | 1-469-555-21 | INDUCTOR 10μH | |
| C1858 | 1-104-664-11 | ELECT | 47μF 20% | L1713 | 1-469-555-21 | INDUCTOR 10μH | |
| C1859 | 1-109-982-11 | CERAMIC CHIP | 1μF 10% | L1714 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C1860 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | L1715 | 1-469-555-21 | INDUCTOR 10μH | |
| C1861 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | L1716 | 1-469-555-21 | INDUCTOR 10μH | |
| C1862 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% | L1719 | 1-469-555-21 | INDUCTOR 10μH | |
| C1863 | 1-163-001-11 | CERAMIC CHIP | 220pF 10% | L1720 | 1-469-555-21 | INDUCTOR 10μH | |
| C1864 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | L1721 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C1877 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | L1724 | 1-469-555-21 | INDUCTOR 10μH | |
| C1878 | 1-163-259-91 | CERAMIC CHIP | 220pF 5% | L1725 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C1879 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | L1726 | 1-469-555-21 | INDUCTOR 10μH | |
| C1880 | 1-163-038-91 | CERAMIC CHIP | 0.1μF 25V | L1729 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| | | <CONNECTOR> | | | | | |
| CN1701 | 1-573-301-21 | CONNECTOR, BOARD TO BOARD | 20P | | | | |
| CN1702 | 1-573-301-21 | CONNECTOR, BOARD TO BOARD | 20P | | | | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------|-----------------|----------|--------------|-------------|-----------------|
| L1730 | 1-469-555-21 | INDUCTOR | 10μH | R1712 | 1-216-295-91 | SHORT | 0 |
| L1731 | 1-469-555-21 | INDUCTOR | 10μH | R1713 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W |
| L1732 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1714 | 1-216-295-91 | SHORT | 0 |
| L1733 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1715 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1734 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1716 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1735 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1717 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| L1736 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1718 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1737 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1719 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1738 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1720 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| L1739 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1721 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| L1740 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1722 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| L1741 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1723 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| L1742 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1724 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1744 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1725 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W |
| L1745 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1727 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| L1746 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1728 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| L1747 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1729 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| L1748 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1730 | 1-208-850-11 | METAL CHIP | 680K 0.5% 1/10W |
| L1750 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1731 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1751 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1732 | 1-208-799-11 | METAL CHIP | 5.1K 0.5% 1/10W |
| L1753 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1733 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1754 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1735 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1756 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1736 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1757 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1737 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W |
| L1759 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1739 | 1-216-295-91 | SHORT | 0 |
| L1760 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1740 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1762 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1741 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| L1763 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1742 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1764 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1743 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| L1765 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1744 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1766 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1745 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| L1767 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1746 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| L1768 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1747 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1769 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1748 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| L1770 | 1-414-234-22 | INDUCTOR CHIP | 0μH | R1749 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W |
| | | <TRANSISTOR> | | R1750 | 1-216-295-91 | SHORT | 0 |
| Q1701 | 1-801-806-11 | TRANSISTOR | DTC144EKA-T146 | R1751 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| Q1702 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX | R1752 | 1-208-799-11 | METAL CHIP | 5.1K 0.5% 1/10W |
| Q1703 | 8-729-900-53 | TRANSISTOR | DTC114EKA-T146 | R1753 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| Q1709 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX | R1754 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| Q1710 | 8-729-422-27 | TRANSISTOR | 2SD601A-QRS-TX | R1755 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| | | <RESISTOR> | | R1756 | 1-208-799-11 | METAL CHIP | 5.1K 0.5% 1/10W |
| R1701 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W | R1757 | 1-216-295-91 | SHORT | 0 |
| R1702 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W | R1759 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1703 | 1-208-799-11 | METAL CHIP | 5.1K 0.5% 1/10W | R1760 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1704 | 1-216-295-91 | SHORT | 0 | R1761 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R1705 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1762 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R1706 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1763 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1707 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1764 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1708 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1765 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| R1709 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W | R1766 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R1710 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1767 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R1711 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1768 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| | | | | R1769 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| | | | | R1770 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| | | | | R1771 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| | | | | R1772 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------------------------|--------------|----------------------|----------------|--------------|-----------------------------------|--------------------------|----------------------------|
| ***** | | | | <NEON LAMP> | | | |
| * A-1331-974-A CB BOARD, COMPLETE | | | | NL7301 | 1-517-778-21 | LAMP, NEON | |
| ***** | | | | NL7302 | 1-517-778-21 | LAMP, NEON | |
| | | | | NL7303 | 1-517-778-21 | LAMP, NEON | |
| <CAPACITOR> | | | | <TRANSISTOR> | | | |
| C7300 | 1-162-114-00 | CERAMIC | 0.0047 μ F | 2KV | Q7301 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX |
| C7302 | 1-162-115-00 | CERAMIC | 330pF | 10% 2KV | Q7302 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX |
| C7303 | 1-162-115-00 | CERAMIC | 330pF | 10% 2KV | | | |
| C7304 | 1-126-768-11 | ELECT | 2200 μ F | 20% 16V | | | |
| C7305 | 1-163-038-91 | CERAMIC CHIP | 0.1 μ F | 25V | <RESISTOR> | | |
| C7306 | 1-163-038-91 | CERAMIC CHIP | 0.1 μ F | 25V | R7301 | 1-219-743-11 | CARBON 100 5% 1/2W |
| C7307 | 1-107-662-11 | ELECT | 22 μ F | 20% 250V | R7302 | 1-260-132-11 | CARBON 560K 5% 1/2W |
| C7308 | 1-126-967-11 | ELECT | 47 μ F | 20% 50V | R7303 | 1-249-393-11 | CARBON 10 5% 1/4W |
| C7310 | 1-161-830-00 | CERAMIC | 0.0047 μ F | 500V | R7304 | 1-216-295-91 | SHORT 0 |
| C7311 | 1-102-050-00 | CERAMIC | 0.01 μ F | 99% 500V | R7307 | 1-208-800-11 | METAL CHIP 5.6K 0.5% 1/10W |
| C7312 | 1-102-157-00 | CERAMIC | 560pF | 10% 500V | R7308 | 1-260-133-11 | CARBON 680K 5% 1/2W |
| C7314 | 1-126-964-11 | ELECT | 10 μ F | 20% 50V | R7309 | 1-208-791-11 | METAL CHIP 2.4K 0.5% 1/10W |
| C7315 | 1-163-085-00 | CERAMIC CHIP | 2pF | 0.25pF50V | R7311 | 1-208-808-11 | METAL CHIP 12K 0.5% 1/10W |
| C7316 | 1-163-255-11 | CERAMIC CHIP | 150pF | 5% 50V | R7312 | 1-208-793-11 | METAL CHIP 3K 0.5% 1/10W |
| <CONNECTOR> | | | | R7313 | 1-216-033-00 | RES-CHIP 220 5% 1/10W | |
| CN7301* | 1-564-508-11 | PLUG, CONNECTOR 5P | | | R7314 | 1-249-424-11 | CARBON 3.9K 5% 1/4W |
| CN7302* | 1-564-512-11 | PLUG, CONNECTOR 9P | | | R7315 | 1-216-029-00 | RES-CHIP 150 5% 1/10W |
| CN7303* | 1-564-510-11 | PLUG, CONNECTOR 7P | | | R7316 | 1-215-904-11 | METAL OXIDE 100K 5% 2W |
| CN7304 | 1-785-879-11 | CONNECTOR, ONE TOUCH | | | R7317 | 1-260-093-11 | CARBON 330 5% 1/2W |
| CN7307 | 1-695-915-11 | TAB (CONTACT) | | | R7319 | 1-208-806-11 | METAL CHIP 10K 0.5% 1/10W |
| CN7314* | 1-564-507-11 | PLUG, CONNECTOR 4P | | | R7320 | 1-260-087-11 | CARBON 100 5% 1/2W |
| <DIODE> | | | | R7321 | 1-260-117-11 | CARBON 33K 5% 1/2W | |
| D7302 | 8-719-921-86 | DIODE MTZJ-T-77-13 | | | R7323 | 1-216-033-00 | RES-CHIP 220 5% 1/10W |
| D7303 | 8-719-901-83 | DIODE 1SS83TD | | | R7324 | 1-216-053-00 | RES-CHIP 1.5K 5% 1/10W |
| D7304 | 8-719-901-83 | DIODE 1SS83TD | | | R7325 | 1-260-099-11 | CARBON 1K 5% 1/2W |
| D7305 | 8-719-901-83 | DIODE 1SS83TD | | | R7326 | 1-208-803-11 | METAL CHIP 7.5K 0.5% 1/10W |
| D7306 | 8-719-901-83 | DIODE 1SS83TD | | | R7327 | 1-208-802-11 | METAL CHIP 6.8K 0.5% 1/10W |
| D7307 | 8-719-073-01 | DIODE MA111-TX | | | <SPARK GAP> | | |
| D7310 | 8-719-991-33 | DIODE 1SS133T-77 | | | SG7301 | 1-519-422-11 | GAP, SPARK |
| D7311 | 8-719-921-86 | DIODE MTZJ-T-77-13 | | | SG7302 | 1-519-422-11 | GAP, SPARK |
| D7312 | 8-719-921-86 | DIODE MTZJ-T-77-13 | | | ***** | | |
| D7313 | 1-216-295-91 | SHORT 0 | | | * A-1131-461-A BA BOARD, COMPLETE | | |
| <IC> | | | | ***** | | | |
| IC7301 | 8-759-360-83 | IC TDA6111Q/N4 | | | <CAPACITOR> | | |
| <JACK> | | | | C2401 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% 50V |
| J7301 Δ | 1-251-182-11 | SOCKET, CRT | | C2402 | 1-104-664-11 | ELECT 47 μ F | 20% 25V |
| <COIL> | | | | C2403 | 1-163-038-91 | CERAMIC CHIP 0.1 μ F | 25V |
| L7301 | 1-414-223-11 | INDUCTOR 470 μ H | | C2404 | 1-163-038-91 | CERAMIC CHIP 0.1 μ F | 25V |
| L7303 | 1-414-181-11 | INDUCTOR 4.7 μ H | | C2405 | 1-163-038-91 | CERAMIC CHIP 0.1 μ F | 25V |
| L7304 | 1-414-187-11 | INDUCTOR 47 μ H | | C2406 | 1-163-038-91 | CERAMIC CHIP 0.1 μ F | 25V |
| | | | | C2407 | 1-164-505-11 | CERAMIC CHIP 2.2 μ F | 16V |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------|------------|----------|--------------|-------------------------------|---------|
| C2408 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2477 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C2409 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2478 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C2410 | 1-104-664-11 | ELECT 47μF | 20% 25V | C2479 | 1-126-963-11 | ELECT 4.7μF | 20% 50V |
| C2411 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2480 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C2412 | 1-104-664-11 | ELECT 47μF | 20% 25V | C2481 | 1-126-961-11 | ELECT 2.2μF | 20% 50V |
| C2414 | 1-126-964-11 | ELECT 10μF | 20% 50V | C2482 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C2415 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V | C2483 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C2416 | 1-163-133-00 | CERAMIC CHIP 470pF | 5% 50V | | | | |
| C2417 | 1-163-231-11 | CERAMIC CHIP 15pF | 5% 50V | | | | |
| C2418 | 1-104-664-11 | ELECT 47μF | 20% 25V | | | <CONNECTOR> | |
| C2420 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | CN2401* | 1-691-632-21 | CONNECTOR, BOARD TO BOARD 15P | |
| C2421 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C2422 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | <FILTER> | |
| C2424 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | FL2401 | 1-239-847-11 | FILTER, LOW PASS | |
| C2425 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | FL2402 | 1-239-847-11 | FILTER, LOW PASS | |
| C2426 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | FL2403 | 1-239-847-11 | FILTER, LOW PASS | |
| C2427 | 1-115-339-11 | CERAMIC CHIP 0.1μF | 10% 50V | FL2404 | 1-239-847-11 | FILTER, LOW PASS | |
| C2429 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C2430 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | <IC> | |
| C2431 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | IC2401 | 8-759-568-27 | IC μPD424210LE-60-E2 | |
| C2432 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | IC2402 | 8-759-536-12 | IC μPD64081BGF-3BA | |
| C2434 | 1-163-231-11 | CERAMIC CHIP 15pF | 5% 50V | IC2403 | 8-759-161-24 | IC μPC659AGS-E2 | |
| C2436 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C2437 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | <COIL> | |
| C2439 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2401 | 1-469-555-21 | INDUCTOR 10μH | |
| C2440 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2402 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2441 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2403 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2442 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2404 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2443 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2405 | 1-469-555-21 | INDUCTOR 10μH | |
| C2444 | 1-164-505-11 | CERAMIC CHIP 2.2μF | 16V | L2406 | 1-469-555-21 | INDUCTOR 10μH | |
| C2445 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2407 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2446 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2408 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2447 | 1-163-231-11 | CERAMIC CHIP 15pF | 5% 50V | L2409 | 1-469-555-21 | INDUCTOR 10μH | |
| C2448 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2410 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2449 | 1-163-031-11 | CERAMIC CHIP 0.01μF | 50V | L2411 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2450 | 1-126-964-11 | ELECT 10μF | 20% 50V | L2412 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2451 | 1-163-227-11 | CERAMIC CHIP 10pF | 0.50pF 50V | L2413 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2452 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2414 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2453 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2415 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2454 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2416 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2455 | 1-164-505-11 | CERAMIC CHIP 2.2μF | 16V | L2417 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2456 | 1-163-031-11 | CERAMIC CHIP 0.01μF | 50V | L2418 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2457 | 1-163-241-11 | CERAMIC CHIP 39pF | 5% 50V | L2420 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2458 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2421 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2459 | 1-126-935-11 | ELECT 470μF | 20% 6.3V | L2422 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2461 | 1-163-231-11 | CERAMIC CHIP 15pF | 5% 50V | L2423 | 1-469-555-21 | INDUCTOR 10μH | |
| C2462 | 1-163-249-11 | CERAMIC CHIP 82pF | 5% 50V | L2424 | 1-469-555-21 | INDUCTOR 10μH | |
| C2463 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2425 | 1-414-234-22 | INDUCTOR CHIP 0μH | |
| C2464 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | L2427 | 1-216-295-91 | SHORT 0 | |
| C2466 | 1-164-505-11 | CERAMIC CHIP 2.2μF | 16V | L2428 | 1-216-295-91 | SHORT 0 | |
| C2467 | 1-163-255-11 | CERAMIC CHIP 150pF | 5% 50V | L2429 | 1-216-295-91 | SHORT 0 | |
| C2468 | 1-104-664-11 | ELECT 47μF | 20% 25V | L2430 | 1-469-555-21 | INDUCTOR 10μH | |
| C2471 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C2472 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C2474 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | | | | |
| C2475 | 1-126-934-11 | ELECT 220μF | 20% 10V | | | | |
| C2476 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------------|-----------|----------|--------------|-------------|-----------------|
| | | <TRANSISTOR> | | | | | |
| Q2401 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R2433 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| Q2402 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2434 | 1-216-085-00 | RES-CHIP | 33K 5% 1/10W |
| Q2403 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2435 | 1-208-776-11 | METAL CHIP | 560 0.5% 1/10W |
| Q2404 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2436 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| Q2405 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | | | | |
| Q2406 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R2438 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| Q2407 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R2439 | 1-208-784-11 | METAL CHIP | 1.2K 0.5% 1/10W |
| Q2408 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2440 | 1-216-047-91 | RES-CHIP | 820 5% 1/10W |
| Q2409 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R2441 | 1-216-075-00 | RES-CHIP | 12K 5% 1/10W |
| Q2410 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R2442 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| Q2411 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | | | | |
| Q2412 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2444 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W |
| Q2413 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2445 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| Q2414 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R2446 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| Q2415 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2447 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| Q2416 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2448 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% 1/10W |
| Q2417 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | | | | |
| Q2418 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R2449 | 1-208-784-11 | METAL CHIP | 1.2K 0.5% 1/10W |
| Q2419 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R2450 | 1-216-085-00 | RES-CHIP | 33K 5% 1/10W |
| Q2421 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R2451 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| Q2422 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2452 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| | | <RESISTOR> | | R2453 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2401 | 1-216-295-91 | SHORT | 0 | | | | |
| R2402 | 1-216-295-91 | SHORT | 0 | R2454 | 1-208-776-11 | METAL CHIP | 560 0.5% 1/10W |
| R2403 | 1-216-295-91 | SHORT | 0 | R2455 | 1-216-295-91 | SHORT | 0 |
| R2404 | 1-216-021-00 | RES-CHIP | 68 5% | R2456 | 1-216-017-91 | RES-CHIP | 47 5% 1/10W |
| R2405 | 1-216-049-91 | RES-CHIP | 1K 5% | R2457 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R2406 | 1-216-071-00 | RES-CHIP | 8.2K 5% | R2458 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R2407 | 1-208-782-11 | METAL CHIP | 1K 0.5% | | | | |
| R2408 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% | R2459 | 1-208-778-11 | METAL CHIP | 680 0.5% 1/10W |
| R2409 | 1-216-065-91 | RES-CHIP | 4.7K 5% | R2460 | 1-216-047-91 | RES-CHIP | 820 5% 1/10W |
| R2410 | 1-216-295-91 | SHORT | 0 | R2461 | 1-216-075-00 | RES-CHIP | 12K 5% 1/10W |
| R2411 | 1-216-033-00 | RES-CHIP | 220 5% | R2462 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R2413 | 1-216-025-91 | RES-CHIP | 100 5% | R2464 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2414 | 1-216-025-91 | RES-CHIP | 100 5% | | | | |
| R2415 | 1-216-057-00 | RES-CHIP | 2.2K 5% | R2465 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2416 | 1-216-105-91 | RES-CHIP | 220K 5% | R2466 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2417 | 1-216-057-00 | RES-CHIP | 2.2K 5% | R2467 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2418 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% | R2468 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2419 | 1-208-776-11 | METAL CHIP | 560 0.5% | R2469 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2420 | 1-216-049-91 | RES-CHIP | 1K 5% | | | | |
| R2421 | 1-216-041-00 | RES-CHIP | 470 5% | R2470 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2422 | 1-216-025-91 | RES-CHIP | 100 5% | R2471 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2423 | 1-216-033-00 | RES-CHIP | 220 5% | R2472 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2424 | 1-216-049-91 | RES-CHIP | 1K 5% | R2476 | 1-208-774-11 | METAL CHIP | 470 0.5% 1/10W |
| R2425 | 1-208-774-11 | METAL CHIP | 470 0.5% | R2477 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2426 | 1-208-774-11 | METAL CHIP | 470 0.5% | | | | |
| R2427 | 1-216-025-91 | RES-CHIP | 100 5% | R2478 | 1-208-758-11 | METAL CHIP | 100 0.5% 1/10W |
| R2428 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% | R2479 | 1-208-774-11 | METAL CHIP | 470 0.5% 1/10W |
| R2429 | 1-208-776-11 | METAL CHIP | 560 0.5% | R2480 | 1-216-295-91 | SHORT | 0 |
| R2430 | 1-216-049-91 | RES-CHIP | 1K 5% | R2481 | 1-216-295-91 | SHORT | 0 |
| R2431 | 1-216-049-91 | RES-CHIP | 1K 5% | R2482 | 1-216-295-91 | SHORT | 0 |
| R2432 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% | | | | |
| | | | | R2483 | 1-216-295-91 | SHORT | 0 |
| | | | | R2484 | 1-216-295-91 | SHORT | 0 |
| | | | | R2485 | 1-216-295-91 | SHORT | 0 |
| | | | | R2486 | 1-216-295-91 | SHORT | 0 |
| | | | | R2487 | 1-216-295-91 | SHORT | 0 |
| | | | | | | | |
| | | | | R2489 | 1-208-822-11 | METAL CHIP | 47K 0.5% 1/10W |
| | | | | R2490 | 1-208-810-11 | METAL CHIP | 15K 0.5% 1/10W |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--|--------------|----------------------|----------|-------------|--------------|-------------------------------|---------|
| * A-1131-462-A BR BOARD, COMPLETE ***** | | | | C402 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| | | <CAPACITOR> | | C403 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C301 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C405 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C302 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V | C406 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C303 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C407 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C304 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V | C409 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C305 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C410 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C306 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C411 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C307 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V | C412 | 1-164-690-91 | CERAMIC CHIP 0.0022μF | 5% 50V |
| C308 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C414 | 1-163-259-91 | CERAMIC CHIP 220pF | 5% 50V |
| C309 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C419 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C310 | 1-163-037-11 | CERAMIC CHIP 0.022μF | 10% 50V | C420 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C311 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C421 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C312 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C422 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C313 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C423 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C314 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C424 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C315 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V | C425 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C316 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C426 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C317 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C427 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C320 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C428 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C321 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C429 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C322 | 1-126-603-11 | ELECT CHIP 4.7μF | 20% 35V | C430 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C326 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C431 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C328 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C432 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C329 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C433 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C331 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C434 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C343 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C435 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C347 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C436 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C355 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C437 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C359 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C438 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C360 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C439 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C364 | 1-126-206-11 | ELECT CHIP 100μF | 20% 6.3V | C440 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C368 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C441 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C375 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C442 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C376 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2301 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C377 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2303 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C378 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C2304 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C379 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2305 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C380 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C2306 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C384 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2307 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C385 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C2308 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C386 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V | C2309 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C388 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2310 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C389 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2311 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C393 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2312 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C394 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2313 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C395 | 1-126-206-11 | ELECT CHIP 100μF | 20% 6.3V | C2314 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V |
| C396 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C2315 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V |
| C397 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V | <CONNECTOR> | | | |
| C398 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | CN301 | 1-573-301-21 | CONNECTOR, BOARD TO BOARD 20P | |
| C399 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | CN302 | 1-573-979-21 | CONNECTOR, BOARD TO BOARD 11P | |
| C400 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | <DIODE> | | | |
| C401 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | D301 | 8-719-422-12 | DIODE UDZ-TE-17-3.9B | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------------|--------|----------|--------------|----------------------------|--------|
| D2301 | 8-719-041-97 | DIODE MA113-(TX) | | Q322 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| | | <FILTER> | | Q323 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| FL301 | 1-233-877-11 | FILTER, LOW PASS | | Q325 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| FL302 | 1-233-504-21 | FILTER, LOW PASS | | Q326 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| FL303 | 1-233-504-21 | FILTER, LOW PASS | | Q2301 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| FL304 | 1-234-112-21 | FILTER, LOW PASS | | Q2302 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| FL305 | 1-234-112-21 | FILTER, LOW PASS | | Q2303 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| FL306 | 1-234-113-21 | FILTER, LOW PASS | | Q2304 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| FL307 | 1-233-736-21 | FILTER, EMI | | Q2305 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| FL308 | 1-233-736-21 | FILTER, EMI | | Q2306 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| FL309 | 1-233-736-21 | FILTER, EMI | | Q2307 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| | | <IC> | | Q2308 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| IC301 | 8-759-430-32 | IC TLC2933IPWR | | Q2309 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| IC302 | 8-759-388-31 | IC PQ20VZIU | | Q2310 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| IC303 | 8-759-295-09 | IC TLC2932IPW-E20 | | Q2311 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| IC304 | 8-759-567-37 | IC MB81F161622B-80FN | | Q2312 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| IC305 | 8-752-398-47 | IC CXD2090Q | | Q2313 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| | | <RESISTOR> | | | | | |
| IC306 | 8-759-447-90 | IC TLC5733AIPM | | R302 | 1-216-089-91 | RES-CHIP 47K 5% 1/10W | |
| IC466 | 8-759-239-55 | IC TC74HC123AF(EL) | | R303 | 1-216-037-00 | RES-CHIP 330 5% 1/10W | |
| IC2301 | 8-759-572-04 | IC TDA9178T/N1.118 | | R304 | 1-216-037-00 | RES-CHIP 330 5% 1/10W | |
| | | <COIL> | | R305 | 1-208-795-11 | METAL CHIP 3.6K 0.5% 1/10W | |
| L302 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R306 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| L303 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R307 | 1-216-113-00 | RES-CHIP 470K 5% 1/10W | |
| L305 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R308 | 1-216-295-91 | SHORT 0 | |
| L306 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R309 | 1-216-295-91 | SHORT 0 | |
| L312 | 1-469-555-21 | INDUCTOR 10μH | | R311 | 1-216-117-00 | RES-CHIP 680K 5% 1/10W | |
| L313 | 1-469-555-21 | INDUCTOR 10μH | | R312 | 1-216-081-00 | RES-CHIP 22K 5% 1/10W | |
| L315 | 1-469-555-21 | INDUCTOR 10μH | | R313 | 1-216-033-00 | RES-CHIP 220 5% 1/10W | |
| L316 | 1-469-555-21 | INDUCTOR 10μH | | R314 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| L317 | 1-469-555-21 | INDUCTOR 10μH | | R315 | 1-208-799-11 | METAL CHIP 5.1K 0.5% 1/10W | |
| L319 | 1-216-295-91 | SHORT 0 | | R317 | 1-216-061-00 | RES-CHIP 3.3K 5% 1/10W | |
| L320 | 1-469-555-21 | INDUCTOR 10μH | | R318 | 1-216-295-91 | SHORT 0 | |
| L321 | 1-469-555-21 | INDUCTOR 10μH | | R320 | 1-216-295-91 | SHORT 0 | |
| L322 | 1-469-555-21 | INDUCTOR 10μH | | R321 | 1-216-295-91 | SHORT 0 | |
| L323 | 1-469-555-21 | INDUCTOR 10μH | | R322 | 1-216-055-00 | RES-CHIP 1.8K 5% 1/10W | |
| L324 | 1-469-555-21 | INDUCTOR 10μH | | R323 | 1-216-295-91 | SHORT 0 | |
| L2301 | 1-469-555-21 | INDUCTOR 10μH | | R324 | 1-216-295-91 | SHORT 0 | |
| L2302 | 1-469-555-21 | INDUCTOR 10μH | | R325 | 1-216-047-91 | RES-CHIP 820 5% 1/10W | |
| L2303 | 1-469-555-21 | INDUCTOR 10μH | | R326 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| | | <TRANSISTOR> | | R327 | 1-216-117-00 | RES-CHIP 680K 5% 1/10W | |
| Q301 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R328 | 1-216-117-00 | RES-CHIP 680K 5% 1/10W | |
| Q302 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R333 | 1-208-782-11 | METAL CHIP 1K 0.5% 1/10W | |
| Q303 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R334 | 1-216-033-00 | RES-CHIP 220 5% 1/10W | |
| Q306 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R335 | 1-208-782-11 | METAL CHIP 1K 0.5% 1/10W | |
| Q308 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R337 | 1-216-295-91 | SHORT 0 | |
| Q312 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R338 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| Q317 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R340 | 1-216-037-00 | RES-CHIP 330 5% 1/10W | |
| Q318 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R341 | 1-216-295-91 | SHORT 0 | |
| Q319 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R344 | 1-216-295-91 | SHORT 0 | |
| | | | | R345 | 1-216-295-91 | SHORT 0 | |
| | | | | R346 | 1-216-295-91 | SHORT 0 | |
| | | | | R347 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| | | | | R349 | 1-216-295-91 | SHORT 0 | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|-----------|----------|--------------|---------------|-----------------|
| R355 | 1-216-295-91 | SHORT | 0 | R438 | 1-208-768-11 | METAL CHIP | 270 0.5% 1/10W |
| R358 | 1-216-055-00 | RES-CHIP | 1.8K 5% | R439 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R359 | 1-216-061-00 | RES-CHIP | 3.3K 5% | R440 | 1-208-752-11 | METAL CHIP | 56 0.5% 1/10W |
| R360 | 1-208-798-11 | METAL CHIP | 4.7K 0.5% | R441 | 1-208-752-11 | METAL CHIP | 56 0.5% 1/10W |
| R361 | 1-216-055-00 | RES-CHIP | 1.8K 5% | R442 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W |
| R362 | 1-216-061-00 | RES-CHIP | 3.3K 5% | R443 | 1-208-766-11 | METAL CHIP | 220 0.5% 1/10W |
| R363 | 1-216-025-91 | RES-CHIP | 100 5% | R444 | 1-216-295-91 | SHORT | 0 |
| R364 | 1-216-041-00 | RES-CHIP | 470 5% | R445 | 1-208-765-11 | METAL CHIP | 200 0.5% 1/10W |
| R365 | 1-216-295-91 | SHORT | 0 | R447 | 1-216-295-91 | SHORT | 0 |
| R366 | 1-216-025-91 | RES-CHIP | 100 5% | R448 | 1-216-295-91 | SHORT | 0 |
| R367 | 1-216-041-00 | RES-CHIP | 470 5% | R449 | 1-216-295-91 | SHORT | 0 |
| R368 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% | R450 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R370 | 1-216-025-91 | RES-CHIP | 100 5% | R451 | 1-414-234-22 | INDUCTOR CHIP | 0μH |
| R371 | 1-216-025-91 | RES-CHIP | 100 5% | R452 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R372 | 1-208-776-11 | METAL CHIP | 560 0.5% | R453 | 1-216-295-91 | SHORT | 0 |
| R375 | 1-208-752-11 | METAL CHIP | 56 0.5% | R454 | 1-216-295-91 | SHORT | 0 |
| R376 | 1-208-752-11 | METAL CHIP | 56 0.5% | R455 | 1-216-295-91 | SHORT | 0 |
| R377 | 1-216-295-91 | SHORT | 0 | R456 | 1-216-295-91 | SHORT | 0 |
| R378 | 1-216-041-00 | RES-CHIP | 470 5% | R457 | 1-216-295-91 | SHORT | 0 |
| R380 | 1-208-776-11 | METAL CHIP | 560 0.5% | R458 | 1-216-295-91 | SHORT | 0 |
| R381 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% | R459 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W |
| R382 | 1-208-754-11 | METAL CHIP | 68 0.5% | R460 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R383 | 1-216-295-91 | SHORT | 0 | R461 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R384 | 1-208-754-11 | METAL CHIP | 68 0.5% | R462 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| R386 | 1-216-295-91 | SHORT | 0 | R463 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R390 | 1-216-295-91 | SHORT | 0 | R464 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R392 | 1-216-295-91 | SHORT | 0 | R465 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| R393 | 1-208-752-11 | METAL CHIP | 56 0.5% | R466 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R394 | 1-216-295-91 | SHORT | 0 | R467 | 1-216-045-00 | RES-CHIP | 680 5% 1/10W |
| R397 | 1-216-041-00 | RES-CHIP | 470 5% | R468 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| R400 | 1-208-776-11 | METAL CHIP | 560 0.5% | R469 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R401 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% | R474 | 1-216-295-91 | SHORT | 0 |
| R402 | 1-208-752-11 | METAL CHIP | 56 0.5% | R475 | 1-216-295-91 | SHORT | 0 |
| R403 | 1-216-295-91 | SHORT | 0 | R477 | 1-216-295-91 | SHORT | 0 |
| R404 | 1-216-077-91 | RES-CHIP | 15K 5% | R478 | 1-216-295-91 | SHORT | 0 |
| R405 | 1-208-794-11 | METAL CHIP | 3.3K 0.5% | R480 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R406 | 1-216-049-91 | RES-CHIP | 1K 5% | R481 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R407 | 1-216-295-91 | SHORT | 0 | R482 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R408 | 1-208-766-11 | METAL CHIP | 220 0.5% | R483 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R413 | 1-216-025-91 | RES-CHIP | 100 5% | R484 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R414 | 1-208-765-11 | METAL CHIP | 200 0.5% | R485 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R416 | 1-216-077-91 | RES-CHIP | 15K 5% | R486 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R417 | 1-216-077-91 | RES-CHIP | 15K 5% | R487 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R418 | 1-208-752-11 | METAL CHIP | 56 0.5% | R488 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R421 | 1-208-777-11 | METAL CHIP | 620 0.5% | R489 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R422 | 1-216-049-91 | RES-CHIP | 1K 5% | R490 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R423 | 1-216-025-91 | RES-CHIP | 100 5% | R491 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R424 | 1-208-766-11 | METAL CHIP | 220 0.5% | R492 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R425 | 1-216-295-91 | SHORT | 0 | R493 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R426 | 1-216-295-91 | SHORT | 0 | R494 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R428 | 1-216-295-91 | SHORT | 0 | R495 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R429 | 1-208-765-11 | METAL CHIP | 200 0.5% | R496 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R430 | 1-208-752-11 | METAL CHIP | 56 0.5% | R497 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R431 | 1-216-295-91 | SHORT | 0 | R498 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R433 | 1-208-755-11 | METAL CHIP | 75 0.5% | R499 | 1-216-295-91 | SHORT | 0 |
| R434 | 1-216-295-91 | SHORT | 0 | R2301 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R437 | 1-216-295-91 | SHORT | 0 | R2302 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|--------------|-----------------|----------|--------------|-----------------------|----------|
| R2303 | 1-208-766-11 | METAL CHIP | 220 0.5% 1/10W | C013 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2304 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | C014 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2305 | 1-208-766-11 | METAL CHIP | 220 0.5% 1/10W | C015 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| R2306 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C016 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2307 | 1-208-778-11 | METAL CHIP | 680 0.5% 1/10W | C017 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2308 | 1-208-772-11 | METAL CHIP | 390 0.5% 1/10W | C018 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| R2309 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C019 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2310 | 1-208-780-11 | METAL CHIP | 820 0.5% 1/10W | C021 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2311 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | C022 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2312 | 1-208-780-11 | METAL CHIP | 820 0.5% 1/10W | C023 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2314 | 1-208-788-11 | METAL CHIP | 1.8K 0.5% 1/10W | C024 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| R2315 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C025 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2316 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | C026 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2317 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | C028 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2318 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C030 | 1-124-779-00 | ELECT CHIP 10µF | 20% 16V |
| R2319 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W | C031 | 1-164-346-11 | CERAMIC CHIP 1µF | 16V |
| R2320 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C032 | 1-164-346-11 | CERAMIC CHIP 1µF | 16V |
| R2321 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W | C034 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2322 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W | C035 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2323 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W | C036 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| R2325 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C037 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| R2326 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C038 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2327 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | C039 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2328 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | C040 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| R2329 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W | C042 | 1-104-760-11 | CERAMIC CHIP 0.047µF | 10% 50V |
| R2330 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C043 | 1-163-235-11 | CERAMIC CHIP 22pF | 5% 50V |
| R2331 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W | C044 | 1-163-235-11 | CERAMIC CHIP 22pF | 5% 50V |
| R2332 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | C045 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2333 | 1-208-810-11 | METAL CHIP | 15K 0.5% 1/10W | C046 | 1-107-823-11 | CERAMIC CHIP 0.47µF | 10% 16V |
| R2334 | 1-208-804-11 | METAL CHIP | 8.2K 0.5% 1/10W | C047 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2335 | 1-208-804-11 | METAL CHIP | 8.2K 0.5% 1/10W | C050 | 1-126-206-11 | ELECT CHIP 100µF | 20% 6.3V |
| R2336 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W | C052 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2337 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W | C053 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| R2338 | 1-208-808-11 | METAL CHIP | 12K 0.5% 1/10W | C054 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2339 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W | C055 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| R2340 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W | C056 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| | | | | C058 | 1-164-005-11 | CERAMIC CHIP 0.47µF | 16V |
| | | | | C059 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| | | | | C060 | 1-163-233-11 | CERAMIC CHIP 18pF | 5% 50V |
| | | | | C062 | 1-163-231-11 | CERAMIC CHIP 15pF | 5% 50V |
| | | | | C063 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| | | | | C064 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| | | | | C066 | 1-163-017-00 | CERAMIC CHIP 0.0047µF | 10% 50V |
| | | | | C067 | 1-164-005-11 | CERAMIC CHIP 0.47µF | 16V |
| | | | | C068 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| | | | | C069 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| | | | | C070 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| | | | | C071 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| | | | | C072 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| | | | | C073 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| | | | | C074 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| | | | | C075 | 1-164-161-11 | CERAMIC CHIP 0.0022µF | 10% 50V |
| | | | | C076 | 1-163-038-91 | CERAMIC CHIP 0.1µF | 25V |
| | | | | C077 | 1-126-204-11 | ELECT CHIP 47µF | 20% 16V |
| | | | | C078 | 1-107-823-11 | CERAMIC CHIP 0.47µF | 10% 16V |
| | | | | C081 | 1-164-161-11 | CERAMIC CHIP 0.0022µF | 10% 50V |
| C001 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V | | | | |
| C002 | 1-107-823-11 | CERAMIC CHIP | 0.47µF 10% 16V | | | | |
| C003 | 1-104-760-11 | CERAMIC CHIP | 0.047µF 10% 50V | | | | |
| C004 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V | | | | |
| C005 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V | | | | |
| C006 | 1-126-204-11 | ELECT CHIP | 47µF 20% 16V | | | | |
| C009 | 1-126-204-11 | ELECT CHIP | 47µF 20% 16V | | | | |
| C010 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V | | | | |
| C011 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V | | | | |
| C012 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V | | | | |

* A-1131-470-A BM BOARD, COMPLETE

<CAPACITOR>



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|----------------------|---------|-------------|--------------|-------------------------------|---------|
| C082 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C143 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C083 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C144 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C084 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C145 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C085 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C146 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C086 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C147 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C087 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% 50V | C148 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C089 | 1-163-237-11 | CERAMIC CHIP 27pF | 5% 50V | C149 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C090 | 1-163-231-11 | CERAMIC CHIP 15pF | 5% 50V | C150 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C091 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C151 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C092 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C152 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C093 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C153 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V |
| C094 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C154 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C095 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C155 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C096 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C156 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V |
| C097 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C157 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C098 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C158 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C100 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C159 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C101 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C160 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C102 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C161 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C103 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | <CONNECTOR> | | | |
| C104 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | CN001 | 1-573-301-21 | CONNECTOR, BOARD TO BOARD 20P | |
| C105 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | CN002 | 1-573-301-21 | CONNECTOR, BOARD TO BOARD 20P | |
| C106 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | <DIODE> | | | |
| C107 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | D001 | 8-719-073-01 | DIODE MA111-TX | |
| C108 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | D002 | 8-719-073-01 | DIODE MA111-TX | |
| C109 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | D003 | 8-719-073-01 | DIODE MA111-TX | |
| C110 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V | <FILTER> | | | |
| C111 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V | FL001 | 1-233-505-21 | FILTER, LOW PASS | |
| C112 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | FL002 | 1-233-504-21 | FILTER, LOW PASS | |
| C113 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | FL003 | 1-233-504-21 | FILTER, LOW PASS | |
| C114 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | FL007 | 1-233-505-21 | FILTER, LOW PASS | |
| C115 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | FL008 | 1-233-945-21 | FILTER, LOW PASS | |
| C116 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | FL009 | 1-233-944-21 | FILTER, LOW PASS | |
| C117 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | FL010 | 1-233-504-21 | FILTER, LOW PASS | |
| C118 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | FL011 | 1-233-944-21 | FILTER, LOW PASS | |
| C119 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V | FL012 | 1-233-504-21 | FILTER, LOW PASS | |
| C120 | 1-104-760-11 | CERAMIC CHIP 0.047μF | 10% 50V | <IC> | | | |
| C121 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | IC001 | 8-759-467-22 | IC MSM548331TS-K | |
| C122 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V | IC002 | 8-759-295-09 | IC TLC2932IPW-E20 | |
| C123 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | IC003 | 8-752-388-98 | IC CXD2303AQ-TL | |
| C124 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | IC004 | 8-759-485-79 | IC TC7SET08FU(TE85L) | |
| C125 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | IC005 | 8-759-527-74 | IC M24C02-MN6T | |
| C126 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | IC006 | 8-759-352-91 | IC PST9143NL | |
| C127 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | IC007 | 8-759-485-79 | IC TC7SET08FU(TE85L) | |
| C128 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% 50V | IC008 | 8-759-295-09 | IC TLC2932IPW-E20 | |
| C129 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | IC009 | 8-752-910-91 | IC CXP85840A-034Q | |
| C130 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V | IC010 | 8-752-392-55 | IC CXD2079Q | |
| C131 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | IC011 | 8-759-295-09 | IC TLC2932IPW-E20 | |
| C132 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | IC012 | 8-759-485-79 | IC TC7SET08FU(TE85L) | |
| C133 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C134 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C135 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C136 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C137 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C138 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C141 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V | | | | |
| C142 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------------|--------|----------|--------------|----------------------------|--------|
| IC013 | 8-759-467-22 | IC MSM548331TS-K | | | | <RESISTOR> | |
| IC014 | 8-752-388-98 | IC CXD2303AQ-TL | | | | | |
| | | <COIL> | | | | | |
| L001 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R001 | 1-216-117-00 | RES-CHIP 680K 5% 1/10W | |
| L002 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R002 | 1-216-051-00 | RES-CHIP 1.2K 5% 1/10W | |
| L003 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R003 | 1-216-295-91 | SHORT 0 | |
| L004 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R007 | 1-216-041-00 | RES-CHIP 470 5% 1/10W | |
| L005 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R008 | 1-208-800-11 | METAL CHIP 5.6K 0.5% 1/10W | |
| L006 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R009 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| L007 | 1-414-754-11 | INDUCTOR 10μH | | R010 | 1-216-295-91 | SHORT 0 | |
| L008 | 1-414-754-11 | INDUCTOR 10μH | | R012 | 1-208-794-11 | METAL CHIP 3.3K 0.5% 1/10W | |
| L009 | 1-414-754-11 | INDUCTOR 10μH | | R013 | 1-216-041-00 | RES-CHIP 470 5% 1/10W | |
| L010 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R014 | 1-208-776-11 | METAL CHIP 560 0.5% 1/10W | |
| L011 | 1-414-754-11 | INDUCTOR 10μH | | R016 | 1-216-013-00 | RES-CHIP 33 5% 1/10W | |
| L012 | 1-414-754-11 | INDUCTOR 10μH | | R018 | 1-216-295-91 | SHORT 0 | |
| L013 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R019 | 1-216-057-00 | RES-CHIP 2.2K 5% 1/10W | |
| L014 | 1-414-754-11 | INDUCTOR 10μH | | R020 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| L015 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R021 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| L016 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R022 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| L017 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R023 | 1-208-754-11 | METAL CHIP 68 0.5% 1/10W | |
| L018 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R024 | 1-208-776-11 | METAL CHIP 560 0.5% 1/10W | |
| L019 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R025 | 1-208-754-11 | METAL CHIP 68 0.5% 1/10W | |
| L020 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R026 | 1-216-057-00 | RES-CHIP 2.2K 5% 1/10W | |
| L021 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R027 | 1-208-754-11 | METAL CHIP 68 0.5% 1/10W | |
| L022 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R028 | 1-208-770-11 | METAL CHIP 330 0.5% 1/10W | |
| L023 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R029 | 1-208-800-11 | METAL CHIP 5.6K 0.5% 1/10W | |
| L024 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R030 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| L025 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R032 | 1-216-057-00 | RES-CHIP 2.2K 5% 1/10W | |
| L026 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R033 | 1-208-776-11 | METAL CHIP 560 0.5% 1/10W | |
| L027 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R035 | 1-216-013-00 | RES-CHIP 33 5% 1/10W | |
| L028 | 1-414-234-22 | INDUCTOR CHIP 0μH | | R036 | 1-216-013-00 | RES-CHIP 33 5% 1/10W | |
| | | <TRANSISTOR> | | R037 | 1-216-033-00 | RES-CHIP 220 5% 1/10W | |
| Q001 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R038 | 1-208-754-11 | METAL CHIP 68 0.5% 1/10W | |
| Q002 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R039 | 1-208-800-11 | METAL CHIP 5.6K 0.5% 1/10W | |
| Q006 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R040 | 1-208-754-11 | METAL CHIP 68 0.5% 1/10W | |
| Q007 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R042 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| Q009 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R046 | 1-216-037-00 | RES-CHIP 330 5% 1/10W | |
| Q010 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R048 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| Q018 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R050 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| Q019 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R052 | 1-208-754-11 | METAL CHIP 68 0.5% 1/10W | |
| Q020 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R059 | 1-216-295-91 | SHORT 0 | |
| Q021 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R060 | 1-208-754-11 | METAL CHIP 68 0.5% 1/10W | |
| Q022 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R061 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| Q023 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R064 | 1-216-041-00 | RES-CHIP 470 5% 1/10W | |
| Q025 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R065 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| Q026 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R066 | 1-216-033-00 | RES-CHIP 220 5% 1/10W | |
| Q027 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R067 | 1-216-033-00 | RES-CHIP 220 5% 1/10W | |
| Q028 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R070 | 1-216-033-00 | RES-CHIP 220 5% 1/10W | |
| Q029 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R072 | 1-216-295-91 | SHORT 0 | |
| Q030 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R073 | 1-216-295-91 | SHORT 0 | |
| Q031 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R074 | 1-216-295-91 | SHORT 0 | |
| Q032 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R075 | 1-216-295-91 | SHORT 0 | |
| | | | | R076 | 1-216-295-91 | SHORT 0 | |
| | | | | R077 | 1-216-295-91 | SHORT 0 | |
| | | | | R078 | 1-208-797-11 | METAL CHIP 4.3K 0.5% 1/10W | |
| | | | | R079 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| | | | | R080 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| | | | | R081 | 1-216-065-91 | RES-CHIP 4.7K 5% 1/10W | |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|-----------------|----------|--------------|-------------|-----------------|
| R082 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | R156 | 1-208-774-11 | METAL CHIP | 470 0.5% 1/10W |
| R086 | 1-216-051-00 | RES-CHIP | 1.2K 5% 1/10W | R157 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R087 | 1-216-117-00 | RES-CHIP | 680K 5% 1/10W | R159 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R090 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R160 | 1-208-776-11 | METAL CHIP | 560 0.5% 1/10W |
| R091 | 1-216-295-91 | SHORT | 0 | R161 | 1-216-295-91 | SHORT | 0 |
| R093 | 1-216-061-00 | RES-CHIP | 3.3K 5% 1/10W | R163 | 1-208-762-11 | METAL CHIP | 150 0.5% 1/10W |
| R094 | 1-216-051-00 | RES-CHIP | 1.2K 5% 1/10W | R164 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W |
| R098 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R165 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% 1/10W |
| R099 | 1-216-117-00 | RES-CHIP | 680K 5% 1/10W | R166 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R100 | 1-216-053-00 | RES-CHIP | 1.5K 5% 1/10W | R167 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R101 | 1-216-295-91 | SHORT | 0 | R170 | 1-216-019-00 | RES-CHIP | 56 5% 1/10W |
| R102 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W | R171 | 1-216-121-91 | RES-CHIP | 1M 5% 1/10W |
| R106 | 1-216-085-00 | RES-CHIP | 33K 5% 1/10W | R172 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R107 | 1-216-295-91 | SHORT | 0 | R173 | 1-208-776-11 | METAL CHIP | 560 0.5% 1/10W |
| R108 | 1-216-017-91 | RES-CHIP | 47 5% 1/10W | R175 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R109 | 1-216-295-91 | SHORT | 0 | R176 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R110 | 1-216-017-91 | RES-CHIP | 47 5% 1/10W | R177 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R111 | 1-216-295-91 | SHORT | 0 | R178 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R112 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R181 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R113 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | R182 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% 1/10W |
| R118 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R183 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R119 | 1-216-085-00 | RES-CHIP | 33K 5% 1/10W | R185 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R120 | 1-216-295-91 | SHORT | 0 | R194 | 1-216-295-91 | SHORT | 0 |
| R121 | 1-216-053-00 | RES-CHIP | 1.5K 5% 1/10W | R195 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R122 | 1-216-061-00 | RES-CHIP | 3.3K 5% 1/10W | R198 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R123 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R200 | 1-208-754-11 | METAL CHIP | 68 0.5% 1/10W |
| R124 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R201 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| R125 | 1-208-762-11 | METAL CHIP | 150 0.5% 1/10W | R202 | 1-216-037-00 | RES-CHIP | 330 5% 1/10W |
| R127 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R203 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R128 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R204 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R129 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R205 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R130 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W | R206 | 1-208-754-11 | METAL CHIP | 68 0.5% 1/10W |
| R131 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | R207 | 1-208-754-11 | METAL CHIP | 68 0.5% 1/10W |
| R132 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R208 | 1-208-770-11 | METAL CHIP | 330 0.5% 1/10W |
| R133 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R210 | 1-216-013-00 | RES-CHIP | 33 5% 1/10W |
| R134 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R212 | 1-216-013-00 | RES-CHIP | 33 5% 1/10W |
| R135 | 1-216-053-00 | RES-CHIP | 1.5K 5% 1/10W | R214 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W |
| R136 | 1-216-061-00 | RES-CHIP | 3.3K 5% 1/10W | R215 | 1-216-295-91 | SHORT | 0 |
| R137 | 1-208-769-11 | METAL CHIP | 300 0.5% 1/10W | R216 | 1-208-794-11 | METAL CHIP | 3.3K 0.5% 1/10W |
| R138 | 1-208-770-11 | METAL CHIP | 330 0.5% 1/10W | R217 | 1-216-051-00 | RES-CHIP | 1.2K 5% 1/10W |
| R139 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R218 | 1-216-117-00 | RES-CHIP | 680K 5% 1/10W |
| R140 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R219 | 1-216-013-00 | RES-CHIP | 33 5% 1/10W |
| R141 | 1-216-117-00 | RES-CHIP | 680K 5% 1/10W | R220 | 1-208-754-11 | METAL CHIP | 68 0.5% 1/10W |
| R142 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W | R221 | 1-208-754-11 | METAL CHIP | 68 0.5% 1/10W |
| R143 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R222 | 1-208-754-11 | METAL CHIP | 68 0.5% 1/10W |
| R144 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W | R223 | 1-208-754-11 | METAL CHIP | 68 0.5% 1/10W |
| R145 | 1-216-085-00 | RES-CHIP | 33K 5% 1/10W | R226 | 1-216-295-91 | SHORT | 0 |
| R146 | 1-208-800-11 | METAL CHIP | 5.6K 0.5% 1/10W | R227 | 1-216-295-91 | SHORT | 0 |
| R147 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R228 | 1-216-295-91 | SHORT | 0 |
| R148 | 1-208-769-11 | METAL CHIP | 300 0.5% 1/10W | R229 | 1-216-295-91 | SHORT | 0 |
| R149 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R230 | 1-216-295-91 | SHORT | 0 |
| R150 | 1-208-762-11 | METAL CHIP | 150 0.5% 1/10W | R231 | 1-216-295-91 | SHORT | 0 |
| R151 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W | R232 | 1-216-295-91 | SHORT | 0 |
| R153 | 1-208-776-11 | METAL CHIP | 560 0.5% 1/10W | R233 | 1-216-295-91 | SHORT | 0 |
| R154 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R234 | 1-216-295-91 | SHORT | 0 |
| R155 | 1-208-798-11 | METAL CHIP | 4.7K 0.5% 1/10W | R235 | 1-216-295-91 | SHORT | 0 |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|---------------------------------------|-------------------------|-----------------|----------|--------------|--------------|------------------|
| R236 | 1-216-295-91 | SHORT | 0 | C515 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R237 | 1-216-295-91 | SHORT | 0 | C516 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R238 | 1-216-295-91 | SHORT | 0 | C517 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R239 | 1-216-295-91 | SHORT | 0 | C518 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| R240 | 1-216-295-91 | SHORT | 0 | C519 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R241 | 1-216-295-91 | SHORT | 0 | C520 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| R242 | 1-216-295-91 | SHORT | 0 | C521 | 1-163-145-00 | CERAMIC CHIP | 0.0015µF 5% 50V |
| R243 | 1-216-295-91 | SHORT | 0 | C522 | 1-163-143-00 | CERAMIC CHIP | 0.0012µF 5% 50V |
| R244 | 1-216-295-91 | SHORT | 0 | C523 | 1-163-021-91 | CERAMIC CHIP | 0.01µF 10% 50V |
| R245 | 1-216-295-91 | SHORT | 0 | C524 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R246 | 1-216-295-91 | SHORT | 0 | C525 | 1-163-275-11 | CERAMIC CHIP | 0.001µF 5% 50V |
| R247 | 1-216-295-91 | SHORT | 0 | C526 | 1-163-017-00 | CERAMIC CHIP | 0.0047µF 10% 50V |
| R248 | 1-216-295-91 | SHORT | 0 | C527 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| R249 | 1-216-295-91 | SHORT | 0 | C528 | 1-126-916-11 | ELECT | 1000µF 20% 6.3V |
| R250 | 1-216-295-91 | SHORT | 0 | C529 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R251 | 1-216-295-91 | SHORT | 0 | C530 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R252 | 1-216-295-91 | SHORT | 0 | C531 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| R253 | 1-216-295-91 | SHORT | 0 | C532 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| R254 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | C533 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R257 | 1-216-295-91 | SHORT | 0 | C534 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R258 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | C535 | 1-104-665-11 | ELECT | 100µF 20% 25V |
| R259 | 1-216-295-91 | SHORT | 0 | C536 | 1-164-161-11 | CERAMIC CHIP | 0.0022µF 10% 50V |
| R260 | 1-216-295-91 | SHORT | 0 | C537 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R261 | 1-216-295-91 | SHORT | 0 | C538 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| R262 | 1-216-295-91 | SHORT | 0 | C539 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R263 | 1-216-295-91 | SHORT | 0 | C540 | 1-126-918-11 | ELECT | 4700µF 20% 6.3V |
| R273 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | C541 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R274 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | C542 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| | | <CRYSTAL> | | C543 | 1-126-960-11 | ELECT | 1µF 20% 50V |
| X001 | 1-767-924-21 | VIBRATOR, CRYSTAL 27MHz | | C544 | 1-163-243-11 | CERAMIC CHIP | 47pF 5% 50V |
| X002 | 1-767-654-21 | VIBRATOR, CRYSTAL 12MHz | | C545 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| ***** | | | | | | | |
| | * A-1299-141-A A BOARD, COMPLETE | | | C546 | 1-163-145-00 | CERAMIC CHIP | 0.0015µF 5% 50V |
| | ***** | | | C548 | 1-163-012-00 | CERAMIC CHIP | 0.0018µF 5% 50V |
| | 4-382-854-11 SCREW (M3X10), P, SW (+) | | | C550 | 1-163-127-00 | CERAMIC CHIP | 270pF 5% 50V |
| | | <CAPACITOR> | | C551 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| C501 | 1-126-933-11 | ELECT | 100µF 20% 16V | C552 | 1-126-934-11 | ELECT | 220µF 20% 16V |
| C502 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V | C553 | 1-126-960-11 | ELECT | 1µF 20% 50V |
| C503 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V | C554 | 1-163-809-11 | CERAMIC CHIP | 0.047µF 10% 25V |
| C504 | 1-104-665-11 | ELECT | 100µF 20% 25V | C555 | 1-163-259-91 | CERAMIC CHIP | 220pF 5% 50V |
| C505 | 1-163-021-91 | CERAMIC CHIP | 0.01µF 10% 50V | C557 | 1-126-960-11 | ELECT | 1µF 20% 50V |
| C506 | 1-164-505-11 | CERAMIC CHIP | 2.2µF 16V | C558 | 1-163-251-11 | CERAMIC CHIP | 100pF 5% 50V |
| C507 | 1-126-933-11 | ELECT | 100µF 20% 16V | C559 | 1-126-963-11 | ELECT | 4.7µF 20% 50V |
| C508 | 1-163-021-91 | CERAMIC CHIP | 0.01µF 10% 50V | C560 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| C509 | 1-163-021-91 | CERAMIC CHIP | 0.01µF 10% 50V | C561 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| C510 | 1-126-916-11 | ELECT | 1000µF 20% 6.3V | C562 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| C511 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V | C563 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| C512 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V | C564 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| C513 | 1-126-933-11 | ELECT | 100µF 20% 16V | C567 | 1-164-004-11 | CERAMIC CHIP | 0.1µF 10% 25V |
| C514 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V | C569 | 1-163-809-11 | CERAMIC CHIP | 0.047µF 10% 25V |
| | | | | C570 | 1-163-259-91 | CERAMIC CHIP | 220pF 5% 50V |
| | | | | C571 | 1-163-251-11 | CERAMIC CHIP | 100pF 5% 50V |
| | | | | C572 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| | | | | C574 | 1-126-960-11 | ELECT | 1µF 20% 50V |
| | | | | C575 | 1-109-982-11 | CERAMIC CHIP | 1µF 10% 10V |
| | | | | C576 | 1-164-182-11 | CERAMIC CHIP | 0.0033µF 10% 50V |
| | | | | C577 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------------|---------|----------|--------------|-----------------------|---------|
| C580 | 1-164-182-11 | CERAMIC CHIP 0.0033μF | 10% 50V | C644 | 1-164-161-11 | CERAMIC CHIP 0.0022μF | 10% 50V |
| C581 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C645 | 1-126-965-11 | ELECT 22μF | 20% 50V |
| C582 | 1-164-161-11 | CERAMIC CHIP 0.0022μF | 10% 50V | C646 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C583 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V | C647 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C584 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C648 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C585 | 1-126-933-11 | ELECT 100μF | 20% 16V | C649 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C586 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C650 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C587 | 1-104-664-11 | ELECT 47μF | 20% 25V | C651 | 1-164-161-11 | CERAMIC CHIP 0.0022μF | 10% 50V |
| C588 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C652 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C589 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C653 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C590 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C654 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C591 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C655 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C592 | 1-104-664-11 | ELECT 47μF | 20% 25V | C656 | 1-126-964-11 | ELECT 10μF | 20% 50V |
| C593 | 1-126-963-11 | ELECT 4.7μF | 20% 50V | C657 | 1-163-009-11 | CERAMIC CHIP 0.001μF | 10% 50V |
| C595 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C658 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C596 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V | C659 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C598 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C660 | 1-163-009-11 | CERAMIC CHIP 0.001μF | 10% 50V |
| C599 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C661 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C600 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C662 | 1-126-965-11 | ELECT 22μF | 20% 50V |
| C601 | 1-164-489-11 | CERAMIC CHIP 0.22μF | 10% 16V | C663 | 1-126-965-11 | ELECT 22μF | 20% 50V |
| C602 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C664 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C603 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C665 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C604 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C666 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C605 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C667 | 1-164-161-11 | CERAMIC CHIP 0.0022μF | 10% 50V |
| C606 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C668 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C607 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C669 | 1-126-935-11 | ELECT 470μF | 20% 16V |
| C608 | 1-126-964-11 | ELECT 10μF | 20% 50V | C670 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C610 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C671 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C611 | 1-115-339-11 | CERAMIC CHIP 0.1μF | 10% 50V | C672 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C612 | 1-104-664-11 | ELECT 47μF | 20% 25V | C673 | 1-126-965-11 | ELECT 22μF | 20% 50V |
| C613 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C674 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C614 | 1-164-161-11 | CERAMIC CHIP 0.0022μF | 10% 50V | C675 | 1-110-501-11 | CERAMIC CHIP 0.33μF | 10% 16V |
| C615 | 1-126-933-11 | ELECT 100μF | 20% 16V | C676 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C616 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C677 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C617 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C678 | 1-164-161-11 | CERAMIC CHIP 0.0022μF | 10% 50V |
| C618 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C679 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C619 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C680 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% 50V |
| C621 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C681 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% 50V |
| C622 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C683 | 1-163-017-00 | CERAMIC CHIP 0.0047μF | 10% 50V |
| C623 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C685 | 1-126-960-11 | ELECT 1μF | 20% 50V |
| C624 | 1-104-664-11 | ELECT 47μF | 20% 25V | C686 | 1-126-965-11 | ELECT 22μF | 20% 50V |
| C625 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C687 | 1-126-960-11 | ELECT 1μF | 20% 50V |
| C626 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C688 | 1-126-960-11 | ELECT 1μF | 20% 50V |
| C627 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C689 | 1-126-965-11 | ELECT 22μF | 20% 50V |
| C628 | 1-104-664-11 | ELECT 47μF | 20% 25V | C690 | 1-126-960-11 | ELECT 1μF | 20% 50V |
| C629 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C691 | 1-126-964-11 | ELECT 10μF | 20% 50V |
| C630 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C692 | 1-126-964-11 | ELECT 10μF | 20% 50V |
| C631 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V | C693 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C632 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V | C694 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C636 | 1-163-263-11 | CERAMIC CHIP 330pF | 5% 50V | C696 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C637 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C697 | 1-126-965-11 | ELECT 22μF | 20% 50V |
| C638 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V | C698 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C639 | 1-126-933-11 | ELECT 100μF | 20% 16V | C699 | 1-126-965-11 | ELECT 22μF | 20% 50V |
| C640 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C700 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C641 | 1-104-664-11 | ELECT 47μF | 20% 25V | C701 | 1-126-965-11 | ELECT 22μF | 20% 50V |
| C642 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C702 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C643 | 1-163-259-91 | CERAMIC CHIP 220pF | 5% 50V | C703 | 1-164-182-11 | CERAMIC CHIP 0.0033μF | 10% 50V |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------------|----------|----------|--------------|-----------------------|------------|
| C704 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1046 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C705 | 1-164-182-11 | CERAMIC CHIP 0.0033μF | 10% 50V | C1048 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C706 | 1-126-965-11 | ELECT 22μF | 20% 50V | C1049 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C707 | 1-126-960-11 | ELECT 1μF | 20% 50V | C1050 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C708 | 1-126-960-11 | ELECT 1μF | 20% 50V | C1051 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C709 | 1-126-965-11 | ELECT 22μF | 20% 50V | C1052 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C710 | 1-126-960-11 | ELECT 1μF | 20% 50V | C1058 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C711 | 1-126-960-11 | ELECT 1μF | 20% 50V | C1301 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C712 | 1-126-965-11 | ELECT 22μF | 20% 50V | C1302 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C713 | 1-126-960-11 | ELECT 1μF | 20% 50V | C1303 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C714 | 1-126-960-11 | ELECT 1μF | 20% 50V | C1305 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C716 | 1-126-960-11 | ELECT 1μF | 20% 50V | C1306 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C717 | 1-126-960-11 | ELECT 1μF | 20% 50V | C1307 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% 50V |
| C718 | 1-126-935-11 | ELECT 470μF | 20% 16V | C1308 | 1-117-720-11 | CERAMIC CHIP 4.7μF | 10V |
| C771 | 1-126-965-11 | ELECT 22μF | 20% 50V | C1309 | 1-163-227-11 | CERAMIC CHIP 10pF | 0.50pF 50V |
| C772 | 1-126-965-11 | ELECT 22μF | 20% 50V | C1310 | 1-163-227-11 | CERAMIC CHIP 10pF | 0.50pF 50V |
| C773 | 1-126-960-11 | ELECT 1μF | 20% 50V | C1311 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V |
| C774 | 1-126-960-11 | ELECT 1μF | 20% 50V | C1312 | 1-163-227-11 | CERAMIC CHIP 10pF | 0.50pF 50V |
| C775 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C1313 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1001 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1315 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% 50V |
| C1002 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1316 | 1-117-720-11 | CERAMIC CHIP 4.7μF | 10V |
| C1003 | 1-104-664-11 | ELECT 47μF | 20% 25V | C1317 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1005 | 1-104-664-11 | ELECT 47μF | 20% 25V | C1321 | 1-163-017-00 | CERAMIC CHIP 0.0047μF | 10% 50V |
| C1006 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1323 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C1007 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1325 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% 50V |
| C1012 | 1-163-235-11 | CERAMIC CHIP 22pF | 5% 50V | C1326 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C1013 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1327 | 1-126-963-11 | ELECT 4.7μF | 20% 50V |
| C1014 | 1-163-235-11 | CERAMIC CHIP 22pF | 5% 50V | C1328 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C1015 | 1-163-235-11 | CERAMIC CHIP 22pF | 5% 50V | C1329 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C1016 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1330 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C1017 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1331 | 1-163-133-00 | CERAMIC CHIP 470pF | 5% 50V |
| C1019 | 1-164-489-11 | CERAMIC CHIP 0.22μF | 10% 16V | C1332 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% 50V |
| C1020 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V | C1334 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C1021 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C1335 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C1022 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1336 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C1023 | 1-126-935-11 | ELECT 470μF | 20% 6.3V | C1337 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C1025 | 1-126-965-11 | ELECT 22μF | 20% 50V | C1338 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C1026 | 1-163-809-11 | CERAMIC CHIP 0.047μF | 10% 25V | C1339 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C1027 | 1-110-501-11 | CERAMIC CHIP 0.33μF | 10% 16V | C1340 | 1-126-960-11 | ELECT 1μF | 20% 50V |
| C1029 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V | C1341 | 1-163-133-00 | CERAMIC CHIP 470pF | 5% 50V |
| C1030 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V | C1342 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C1031 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1343 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C1032 | 1-104-664-11 | ELECT 47μF | 20% 25V | C1344 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C1033 | 1-126-964-11 | ELECT 10μF | 20% 50V | C1345 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C1034 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V | C1346 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C1035 | 1-163-237-11 | CERAMIC CHIP 27pF | 5% 50V | C1347 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C1036 | 1-164-161-11 | CERAMIC CHIP 0.0022μF | 10% 50V | C1348 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1037 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1349 | 1-163-231-11 | CERAMIC CHIP 15pF | 5% 50V |
| C1038 | 1-104-664-11 | ELECT 47μF | 20% 25V | C1351 | 1-126-934-11 | ELECT 220μF | 20% 16V |
| C1039 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V | C1352 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C1040 | 1-163-237-11 | CERAMIC CHIP 27pF | 5% 50V | C1353 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1041 | 1-163-233-11 | CERAMIC CHIP 18pF | 5% 50V | C1354 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1042 | 1-163-233-11 | CERAMIC CHIP 18pF | 5% 50V | C1355 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C1043 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V | C1357 | 1-126-934-11 | ELECT 220μF | 20% 16V |
| C1044 | 1-163-017-00 | CERAMIC CHIP 0.0047μF | 10% 50V | C1358 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1045 | 1-163-143-00 | CERAMIC CHIP 0.0012μF | 5% 50V | C1359 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| | | | | C1363 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------------|---------|----------|----------------|-------------------------------|---------|
| C1364 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1604 | 1-163-016-00 | CERAMIC CHIP 0.0039μF 10% | 50V |
| C1376 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1605 | 1-163-016-00 | CERAMIC CHIP 0.0039μF 10% | 50V |
| C1380 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V | C1614 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1381 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% 50V | C1626 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1383 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1628 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C1385 | 1-163-017-00 | CERAMIC CHIP 0.0047μF | 10% 50V | C1629 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C1389 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% 50V | C1631 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1392 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C1633 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C1400 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V | C1634 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V |
| C1401 | 1-126-963-11 | ELECT 4.7μF | 20% 50V | C1640 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1402 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C1641 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1403 | 1-163-135-00 | CERAMIC CHIP 560pF | 5% 50V | C1642 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1405 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C1643 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1406 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C1644 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V |
| C1407 | 1-164-344-11 | CERAMIC CHIP 0.068μF | 10% 25V | C1646 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| C1408 | 1-163-019-00 | CERAMIC CHIP 0.0068μF | 10% 50V | C1647 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V |
| C1409 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1648 | 1-163-275-11 | CERAMIC CHIP 0.001μF | 5% 50V |
| C1410 | 1-163-133-00 | CERAMIC CHIP 470pF | 5% 50V | C1649 | 1-115-185-11 | CERAMIC CHIP 0.033μF | 10% 50V |
| C1411 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | C1650 | 1-163-275-11 | CERAMIC CHIP 0.001μF | 5% 50V |
| C1412 | 1-163-259-91 | CERAMIC CHIP 220pF | 5% 50V | C1651 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V |
| C1413 | 1-126-960-11 | ELECT 1μF | 20% 50V | | | <FILTER BLOCK> | |
| C1414 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% 16V | | | | |
| C1415 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C1417 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | CM501 | 1-467-554-21 | FILTER BLOCK, COMB | |
| C1418 | 1-104-664-11 | ELECT 47μF | 20% 25V | | | <CONNECTOR> | |
| C1419 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | | |
| C1420 | 1-104-664-11 | ELECT 47μF | 20% 25V | CN502 | * 1-564-506-11 | PLUG, CONNECTOR 3P | |
| C1421 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | CN503 | * 1-564-511-11 | PLUG, CONNECTOR 8P | |
| C1422 | 1-163-231-11 | CERAMIC CHIP 15pF | 5% 50V | CN504 | * 1-564-512-11 | PLUG, CONNECTOR 9P | |
| C1423 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | CN505 | * 1-564-510-11 | PLUG, CONNECTOR 7P | |
| C1424 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | CN506 | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| C1425 | 1-104-664-11 | ELECT 47μF | 20% 25V | | | | |
| C1426 | 1-117-720-11 | CERAMIC CHIP 4.7μF | 10V | CN507 | 1-695-915-11 | TAB (CONTACT) | |
| C1427 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | CN508 | * 1-564-507-11 | PLUG, CONNECTOR 4P | |
| C1428 | 1-126-934-11 | ELECT 220μF | 20% 16V | CN509 | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| C1431 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | CN510 | * 1-564-510-11 | PLUG, CONNECTOR 7P | |
| C1432 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | CN511 | 1-573-298-21 | CONNECTOR, BOARD TO BOARD 20P | |
| C1435 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | | | | |
| C1456 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | CN512 | * 1-564-513-11 | PLUG, CONNECTOR 10P | |
| C1457 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | CN513 | 1-573-298-21 | CONNECTOR, BOARD TO BOARD 20P | |
| C1462 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | CN514 | * 1-564-509-11 | PLUG, CONNECTOR 6P | |
| C1463 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | CN515 | 1-764-334-11 | PLUG, CONNECTOR 11P | |
| C1464 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | CN516 | 1-573-978-21 | CONNECTOR, BOARD TO BOARD 11P | |
| C1465 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | | | | |
| C1466 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | CN517 | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| C1467 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | CN518 | 1-573-298-21 | CONNECTOR, BOARD TO BOARD 20P | |
| C1470 | 1-104-664-11 | ELECT 47μF | 20% 25V | CN519 | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| C1471 | 1-104-664-11 | ELECT 47μF | 20% 25V | CN520 | * 1-691-616-21 | CONNECTOR, BOARD TO BOARD 15P | |
| C1472 | 1-104-664-11 | ELECT 47μF | 20% 25V | CN521 | 1-573-979-21 | CONNECTOR, BOARD TO BOARD 11P | |
| C1481 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V | | | | |
| C1482 | 1-104-664-11 | ELECT 47μF | 20% 25V | CN522 | 1-573-298-21 | CONNECTOR, BOARD TO BOARD 20P | |
| C1483 | 1-104-664-11 | ELECT 47μF | 20% 25V | CN523 | 1-573-298-21 | CONNECTOR, BOARD TO BOARD 20P | |
| C1484 | 1-126-934-11 | ELECT 220μF | 20% 16V | CN525 | * 1-564-511-11 | PLUG, CONNECTOR 8P | |
| C1485 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | CN526 | * 1-564-510-11 | PLUG, CONNECTOR 7P | |
| C1601 | 1-163-038-91 | CERAMIC CHIP 0.1μF | 25V | | | <DIODE> | |
| C1602 | 1-163-016-00 | CERAMIC CHIP 0.0039μF | 10% 50V | D501 | 8-719-073-01 | DIODE MA111-TX | |
| C1603 | 1-163-016-00 | CERAMIC CHIP 0.0039μF | 10% 50V | D502 | 8-719-158-15 | DIODE UDZ-TE-17-5.6B | |
| | | | | D503 | 8-719-073-01 | DIODE MA111-TX | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|----------------------|--------|----------|--------------|----------------------|--------|
| D504 | 8-719-073-01 | DIODE MA111-TX | | D1006 | 8-719-073-01 | DIODE MA111-TX | |
| D505 | 8-719-073-01 | DIODE MA111-TX | | D1007 | 8-719-073-01 | DIODE MA111-TX | |
| D506 | 8-719-056-84 | DIODE UDZ-TE-17-7.5B | | D1008 | 8-719-073-01 | DIODE MA111-TX | |
| D508 | 8-719-073-01 | DIODE MA111-TX | | D1009 | 8-719-073-01 | DIODE MA111-TX | |
| D509 | 8-719-056-84 | DIODE UDZ-TE-17-7.5B | | D1601 | 8-719-976-99 | DIODE UDZ-TE-17-5.1B | |
| D511 | 8-719-073-01 | DIODE MA111-TX | | D1602 | 8-719-976-99 | DIODE UDZ-TE-17-5.1B | |
| D512 | 8-719-073-01 | DIODE MA111-TX | | D1615 | 8-719-976-99 | DIODE UDZ-TE-17-5.1B | |
| D513 | 8-719-073-01 | DIODE MA111-TX | | D1616 | 8-719-976-99 | DIODE UDZ-TE-17-5.1B | |
| D514 | 8-719-073-01 | DIODE MA111-TX | | D1626 | 8-719-073-01 | DIODE MA111-TX | |
| D515 | 8-719-158-15 | DIODE UDZ-TE-17-5.6B | | D1628 | 8-719-073-01 | DIODE MA111-TX | |
| D516 | 8-719-158-15 | DIODE UDZ-TE-17-5.6B | | D1630 | 8-719-073-01 | DIODE MA111-TX | |
| D517 | 8-719-158-15 | DIODE UDZ-TE-17-5.6B | | D1632 | 8-719-073-01 | DIODE MA111-TX | |
| D518 | 8-719-073-01 | DIODE MA111-TX | | D1634 | 8-719-073-01 | DIODE MA111-TX | |
| D519 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | | | <IC> | |
| D520 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC501 | 8-759-701-79 | IC NJM7812FA | |
| D521 | 8-719-073-01 | DIODE MA111-TX | | IC503 | 8-759-144-82 | IC LM2940CT-5.0 | |
| D522 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC504 | 8-759-513-71 | IC PQ05RF21 | |
| D523 | 8-719-073-01 | DIODE MA111-TX | | IC505 | 8-759-198-03 | IC PQ09RF21 | |
| D524 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC506 | 8-759-520-49 | IC PQ30RV21 | |
| D525 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC507 | 8-759-083-85 | IC LA7856 | |
| D526 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC508 | 8-759-032-23 | IC TC74HC74AF(EL) | |
| D527 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC509 | 8-759-011-64 | IC TC74HC4052AF(EL) | |
| D528 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC510 | 8-759-988-13 | IC LM393PS-E20 | |
| D529 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC511 | 8-752-086-33 | IC CXA2101AQ-TL | |
| D530 | 8-719-073-01 | DIODE MA111-TX | | IC512 | 8-752-379-93 | IC CXD2018Q-T6 | |
| D531 | 8-719-073-01 | DIODE MA111-TX | | IC513 | 8-759-485-79 | IC TC7SET08FU(TE85L) | |
| D532 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC514 | 8-759-998-98 | IC LM358DR | |
| D533 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC515 | 8-752-082-87 | IC CXA1845Q-TL | |
| D534 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC516 | 8-759-082-58 | IC TC7W08FU(TE12R) | |
| D535 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC517 | 8-759-239-34 | IC TC74HC4538AF(EL) | |
| D536 | 8-719-073-01 | DIODE MA111-TX | | IC518 | 8-759-998-98 | IC LM358DR | |
| D537 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC519 | 8-759-239-34 | IC TC74HC4538AF(EL) | |
| D538 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1001 | 8-759-575-89 | IC LH5317VP | |
| D539 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1002 | 8-759-927-46 | IC SN74HC00ANSR | |
| D540 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1003 | 8-759-925-75 | IC SN74HC05ANSR | |
| D541 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1004 | 8-759-575-90 | IC MB90091A-150 | |
| D542 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1005 | 8-759-352-91 | IC PST9143NL | |
| D543 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1007 | 8-759-527-76 | IC M24C08-MN6T | |
| D544 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1008 | 8-752-913-74 | IC CXP85856A-038Q | |
| D545 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1009 | 8-752-913-73 | IC CXP85460-230Q | |
| D546 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1010 | 8-759-352-91 | IC PST9143NL | |
| D547 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1301 | 8-752-086-80 | IC CXA2019AQ-T4 | |
| D548 | 8-719-073-01 | DIODE MA111-TX | | IC1302 | 8-752-082-49 | IC CXA2119M-T6 | |
| D549 | 8-719-158-15 | DIODE UDZ-TE-17-5.6B | | IC1303 | 8-759-353-02 | IC NJM2533M(TE2) | |
| D550 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1305 | 8-752-086-80 | IC CXA2019AQ-T4 | |
| D551 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1307 | 8-752-082-49 | IC CXA2119M-T6 | |
| D552 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1401 | 8-759-638-05 | IC Z8613012SSC-00TR | |
| D553 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1402 | 8-759-485-79 | IC TC7SET08FU(TE85L) | |
| D554 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1403 | 8-759-009-07 | IC MC14053BFEL | |
| D555 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1404 | 8-759-570-08 | IC TC7SET32FU(TE85R) | |
| D556 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1604 | 8-759-394-80 | IC NJM2058M-TE2 | |
| D557 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1606 | 8-759-394-80 | IC NJM2058M-TE2 | |
| D558 | 8-719-977-81 | DIODE UDZ-TE-17-33B | | IC1608 | 8-759-232-74 | IC TC74HC163AF(EL) | |
| D559 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1609 | 8-759-232-74 | IC TC74HC163AF(EL) | |
| D560 | 8-719-977-28 | DIODE UDZ-TE-17-10B | | IC1623 | 8-759-082-57 | IC TC7W04FU-TE12L | |
| D1001 | 8-719-073-01 | DIODE MA111-TX | | | | | |
| D1002 | 8-719-073-01 | DIODE MA111-TX | | | | | |
| D1003 | 8-719-073-01 | DIODE MA111-TX | | | | | |
| D1005 | 8-719-073-01 | DIODE MA111-TX | | | | | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------------------------|--------|----------|--------------|---------------------------|--------|
| IC1624 | 8-759-082-58 | IC TC7W08FU(TE12R) | | | | <TRANSISTOR> | |
| | | <JACK> | | | | | |
| J502 | 1-774-749-11 | JACK BLOCK, PIN (SELECT OUT) | | Q501 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| J505 | 1-774-751-11 | TERMINAL BLOCK, S (VIDEO 1 IN) | | Q502 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| J506 | 1-774-751-11 | TERMINAL BLOCK, S (VIDEO 3 IN) | | Q503 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| J507 | 1-774-751-11 | TERMINAL BLOCK, S (VIDEO 4 IN) | | Q504 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| J508 | 1-774-750-11 | JACK BLOCK, PIN (VIDEO 5(DTV) IN L/R) | | Q505 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| | | <COIL> | | Q506 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L501 | 1-414-856-11 | INDUCTOR 10μH | | Q507 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L502 | 1-414-856-11 | INDUCTOR 10μH | | Q508 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L503 | 1-414-856-11 | INDUCTOR 10μH | | Q509 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L504 | 1-414-856-11 | INDUCTOR 10μH | | Q510 | 8-729-122-63 | TRANSISTOR 2SA1226-T1E3E4 | |
| L505 | 1-414-856-11 | INDUCTOR 10μH | | Q511 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L506 | 1-414-856-11 | INDUCTOR 10μH | | Q512 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L507 | 1-414-856-11 | INDUCTOR 10μH | | Q513 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L508 | 1-414-856-11 | INDUCTOR 10μH | | Q514 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L509 | 1-414-856-11 | INDUCTOR 10μH | | Q515 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L510 | 1-414-856-11 | INDUCTOR 10μH | | Q516 | 8-729-122-63 | TRANSISTOR 2SA1226-T1E3E4 | |
| L511 | 1-414-856-11 | INDUCTOR 10μH | | Q517 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L512 | 1-414-856-11 | INDUCTOR 10μH | | Q518 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L513 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q519 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L514 | 1-414-856-11 | INDUCTOR 10μH | | Q520 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L515 | 1-414-856-11 | INDUCTOR 10μH | | Q521 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L517 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q522 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| L518 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q523 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L519 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q524 | 8-729-122-63 | TRANSISTOR 2SA1226-T1E3E4 | |
| L520 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q525 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L523 | 1-414-856-11 | INDUCTOR 10μH | | Q526 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1001 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q527 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1002 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q528 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1004 | 1-469-555-21 | INDUCTOR 10μH | | Q530 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1005 | 1-469-555-21 | INDUCTOR 10μH | | Q531 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1006 | 1-469-555-21 | INDUCTOR 10μH | | Q532 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1008 | 1-469-555-21 | INDUCTOR 10μH | | Q533 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L1009 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q535 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1301 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q536 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1302 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q537 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1304 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q538 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L1306 | 1-469-555-21 | INDUCTOR 10μH | | Q539 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L1307 | 1-469-555-21 | INDUCTOR 10μH | | Q540 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L1308 | 1-469-555-21 | INDUCTOR 10μH | | Q541 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| L1314 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q542 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L1319 | 1-469-555-21 | INDUCTOR 10μH | | Q543 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1320 | 1-469-555-21 | INDUCTOR 10μH | | Q544 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1329 | 1-469-555-21 | INDUCTOR 10μH | | Q545 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| L1401 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q546 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1402 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q547 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| L1403 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q548 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| L1404 | 1-469-555-21 | INDUCTOR 10μH | | Q549 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| L1405 | 1-414-234-22 | INDUCTOR CHIP 0μH | | Q550 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| | | | | Q551 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| | | | | Q552 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| | | | | Q553 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| | | | | Q554 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| | | | | Q560 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| | | | | Q561 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| | | | | Q562 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |

KP-53HS10/61HS10

RM-Y902 RM-Y902



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|-----------------|----------|--------------|-------------|-----------------|
| R527 | 1-216-085-00 | RES-CHIP | 33K 5% 1/10W | R645 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R528 | 1-216-059-00 | RES-CHIP | 2.7K 5% 1/10W | R646 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R529 | 1-216-105-91 | RES-CHIP | 220K 5% 1/10W | R647 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R530 | 1-208-780-11 | METAL CHIP | 820 0.5% 1/10W | R648 | 1-216-017-91 | RES-CHIP | 47 5% 1/10W |
| R531 | 1-208-774-11 | METAL CHIP | 470 0.5% 1/10W | R649 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R532 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R650 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R533 | 1-216-368-11 | METAL OXIDE | 0.82 5% 2W | R651 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R534 | 1-208-810-11 | METAL CHIP | 15K 0.5% 1/10W | R652 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R535 | 1-216-373-11 | METAL OXIDE | 2.2 5% 2W | R653 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R536 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W | R654 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R537 | 1-208-818-11 | METAL CHIP | 33K 0.5% 1/10W | R655 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R538 | 1-216-083-00 | RES-CHIP | 27K 5% 1/10W | R656 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R539 | 1-216-689-11 | RES-CHIP | 39K 5% 1/10W | R657 | 1-216-083-00 | RES-CHIP | 27K 5% 1/10W |
| R540 | 1-208-808-11 | METAL CHIP | 12K 0.5% 1/10W | R658 | 1-216-689-11 | RES-CHIP | 39K 5% 1/10W |
| R541 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W | R659 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R542 | 1-216-043-91 | RES-CHIP | 560 5% 1/10W | R660 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R543 | 1-208-776-11 | METAL CHIP | 560 0.5% 1/10W | R661 | 1-216-061-00 | RES-CHIP | 3.3K 5% 1/10W |
| R544 | 1-216-045-00 | RES-CHIP | 680 5% 1/10W | R662 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R545 | 1-216-071-00 | RES-CHIP | 8.2K 5% 1/10W | R663 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R546 | 1-208-826-11 | METAL CHIP | 68K 0.5% 1/10W | R664 | 1-208-776-11 | METAL CHIP | 560 0.5% 1/10W |
| R547 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R665 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R548 | 1-208-788-11 | METAL CHIP | 1.8K 0.5% 1/10W | R666 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R549 | 1-208-782-11 | METAL CHIP | 1K 0.5% 1/10W | R667 | 1-216-109-00 | RES-CHIP | 330K 5% 1/10W |
| R550 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W | R668 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R551 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | R669 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W |
| R552 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W | R670 | 1-216-069-00 | RES-CHIP | 6.8K 5% 1/10W |
| R553 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R671 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R554 | 1-208-776-11 | METAL CHIP | 560 0.5% 1/10W | R672 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R555 | 1-216-043-91 | RES-CHIP | 560 5% 1/10W | R673 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R556 | 1-216-121-91 | RES-CHIP | 1M 5% 1/10W | R674 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R557 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | R675 | 1-216-083-00 | RES-CHIP | 27K 5% 1/10W |
| R558 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R676 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R559 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R677 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R560 | 1-208-778-11 | METAL CHIP | 680 0.5% 1/10W | R678 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R561 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | R679 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R562 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R680 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R563 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | R681 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R564 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | R682 | 1-208-778-11 | METAL CHIP | 680 0.5% 1/10W |
| R565 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | R683 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R566 | 1-216-069-00 | RES-CHIP | 6.8K 5% 1/10W | R685 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R567 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R686 | 1-216-077-91 | RES-CHIP | 15K 5% 1/10W |
| R569 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R687 | 1-216-295-91 | SHORT | 0 |
| R570 | 1-208-798-11 | METAL CHIP | 4.7K 0.5% 1/10W | R688 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R571 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W | R689 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R572 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | R690 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R573 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R691 | 1-216-295-91 | SHORT | 0 |
| R574 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R692 | 1-208-808-11 | METAL CHIP | 12K 0.5% 1/10W |
| R575 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R693 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R576 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | R694 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| R577 | 1-216-075-00 | RES-CHIP | 12K 5% 1/10W | R695 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R578 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R696 | 1-208-822-11 | METAL CHIP | 47K 0.5% 1/10W |
| R580 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W | R697 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R581 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R698 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R582 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R699 | 1-208-798-11 | METAL CHIP | 4.7K 0.5% 1/10W |
| R583 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R700 | 1-216-043-91 | RES-CHIP | 560 5% 1/10W |
| R584 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | R701 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W |
| R585 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | R702 | 1-216-295-91 | SHORT | 0 |



| REF. NO. | PART NO. | DESCRIPTION | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | REMARK |
|----------|--------------|-------------|------|------------|----------|--------------|-------------|------|------------|
| R703 | 1-216-049-91 | RES-CHIP | 1K | 5% 1/10W | R790 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R705 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R791 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R707 | 1-208-814-91 | METAL CHIP | 22K | 0.5% 1/10W | R794 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R708 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R795 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R709 | 1-216-091-00 | RES-CHIP | 56K | 5% 1/10W | R799 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R710 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R800 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R713 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R801 | 1-216-081-00 | RES-CHIP | 22K | 5% 1/10W |
| R714 | 1-216-295-91 | SHORT | 0 | | R802 | 1-216-041-00 | RES-CHIP | 470 | 5% 1/10W |
| R717 | 1-216-051-00 | RES-CHIP | 1.2K | 5% 1/10W | R803 | 1-216-065-91 | RES-CHIP | 4.7K | 5% 1/10W |
| R719 | 1-216-295-91 | SHORT | 0 | | R804 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R720 | 1-216-057-00 | RES-CHIP | 2.2K | 5% 1/10W | R806 | 1-208-755-11 | METAL CHIP | 75 | 0.5% 1/10W |
| R721 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R807 | 1-208-755-11 | METAL CHIP | 75 | 0.5% 1/10W |
| R722 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R808 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R723 | 1-216-295-91 | SHORT | 0 | | R809 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R725 | 1-208-782-11 | METAL CHIP | 1K | 0.5% 1/10W | R810 | 1-208-755-11 | METAL CHIP | 75 | 0.5% 1/10W |
| R726 | 1-216-057-00 | RES-CHIP | 2.2K | 5% 1/10W | R812 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R727 | 1-216-051-00 | RES-CHIP | 1.2K | 5% 1/10W | R814 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R728 | 1-208-806-11 | METAL CHIP | 10K | 0.5% 1/10W | R815 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R729 | 1-216-295-91 | SHORT | 0 | | R816 | 1-216-295-91 | SHORT | 0 | |
| R730 | 1-216-049-91 | RES-CHIP | 1K | 5% 1/10W | R817 | 1-216-065-91 | RES-CHIP | 4.7K | 5% 1/10W |
| R734 | 1-216-057-00 | RES-CHIP | 2.2K | 5% 1/10W | R818 | 1-216-049-91 | RES-CHIP | 1K | 5% 1/10W |
| R735 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R819 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R736 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R820 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R739 | 1-216-073-00 | RES-CHIP | 10K | 5% 1/10W | R821 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R740 | 1-216-017-91 | RES-CHIP | 47 | 5% 1/10W | R822 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R741 | 1-216-093-91 | RES-CHIP | 68K | 5% 1/10W | R823 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R743 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R824 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R744 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R825 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R745 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R826 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R746 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R827 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R747 | 1-216-085-00 | RES-CHIP | 33K | 5% 1/10W | R828 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R748 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R829 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R749 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R830 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R751 | 1-216-057-00 | RES-CHIP | 2.2K | 5% 1/10W | R831 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R753 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R832 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R754 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R833 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R755 | 1-216-295-91 | SHORT | 0 | | R834 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W |
| R756 | 1-216-045-00 | RES-CHIP | 680 | 5% 1/10W | R835 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R757 | 1-216-065-91 | RES-CHIP | 4.7K | 5% 1/10W | R836 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| R759 | 1-216-295-91 | SHORT | 0 | | R840 | 1-216-081-00 | RES-CHIP | 22K | 5% 1/10W |
| R760 | 1-216-295-91 | SHORT | 0 | | R841 | 1-216-081-00 | RES-CHIP | 22K | 5% 1/10W |
| R763 | 1-216-057-00 | RES-CHIP | 2.2K | 5% 1/10W | R843 | 1-216-081-00 | RES-CHIP | 22K | 5% 1/10W |
| R765 | 1-216-057-00 | RES-CHIP | 2.2K | 5% 1/10W | R852 | 1-216-113-00 | RES-CHIP | 470K | 5% 1/10W |
| R766 | 1-216-019-00 | RES-CHIP | 56 | 5% 1/10W | R853 | 1-216-041-00 | RES-CHIP | 470 | 5% 1/10W |
| R768 | 1-216-081-00 | RES-CHIP | 22K | 5% 1/10W | R854 | 1-216-041-00 | RES-CHIP | 470 | 5% 1/10W |
| R772 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R855 | 1-216-113-00 | RES-CHIP | 470K | 5% 1/10W |
| R773 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R856 | 1-216-049-91 | RES-CHIP | 1K | 5% 1/10W |
| R774 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R857 | 1-216-089-91 | RES-CHIP | 47K | 5% 1/10W |
| R777 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R858 | 1-216-065-91 | RES-CHIP | 4.7K | 5% 1/10W |
| R779 | 1-208-818-11 | METAL CHIP | 33K | 0.5% 1/10W | R859 | 1-216-033-00 | RES-CHIP | 220 | 5% 1/10W |
| R780 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R860 | 1-216-033-00 | RES-CHIP | 220 | 5% 1/10W |
| R781 | 1-208-794-11 | METAL CHIP | 3.3K | 0.5% 1/10W | R861 | 1-216-033-00 | RES-CHIP | 220 | 5% 1/10W |
| R783 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R862 | 1-216-049-91 | RES-CHIP | 1K | 5% 1/10W |
| R784 | 1-216-067-00 | RES-CHIP | 5.6K | 5% 1/10W | R864 | 1-216-049-91 | RES-CHIP | 1K | 5% 1/10W |
| R787 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W | R865 | 1-216-049-91 | RES-CHIP | 1K | 5% 1/10W |
| R788 | 1-216-073-00 | RES-CHIP | 10K | 5% 1/10W | R867 | 1-216-065-91 | RES-CHIP | 4.7K | 5% 1/10W |
| R789 | 1-216-073-00 | RES-CHIP | 10K | 5% 1/10W | | | | | |

KP-53HS10/61HS10

RM-Y902 RM-Y902



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|-----------------|----------|--------------|-------------|-----------------|
| R868 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | R1020 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R869 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | R1021 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| R870 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R1022 | 1-208-784-11 | METAL CHIP | 1.2K 0.5% 1/10W |
| R871 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R1023 | 1-208-766-11 | METAL CHIP | 220 0.5% 1/10W |
| R872 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R1024 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W |
| R873 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R1025 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R875 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1026 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W |
| R876 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1027 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R877 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1028 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W |
| R878 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1029 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R879 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1030 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| R880 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1031 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R883 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1032 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R884 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1033 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R885 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1034 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R886 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R1035 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R887 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | R1036 | 1-216-009-91 | RES-CHIP | 22 5% 1/10W |
| R891 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1037 | 1-208-770-11 | METAL CHIP | 330 0.5% 1/10W |
| R892 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R1038 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R893 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1039 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R894 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R1040 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R895 | 1-208-755-11 | METAL CHIP | 75 0.5% 1/10W | R1041 | 1-216-295-91 | SHORT | 0 |
| R896 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R1042 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R898 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R1043 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R899 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | R1044 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| R901 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | R1045 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| R903 | 1-216-009-91 | RES-CHIP | 22 5% 1/10W | R1046 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R904 | 1-216-009-91 | RES-CHIP | 22 5% 1/10W | R1047 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R905 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R1048 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R906 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R1049 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| R907 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R1050 | 1-216-061-00 | RES-CHIP | 3.3K 5% 1/10W |
| R908 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R1051 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R909 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R1052 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R910 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W | R1053 | 1-216-083-00 | RES-CHIP | 27K 5% 1/10W |
| R911 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1062 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R912 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1063 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R913 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1064 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R914 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1065 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R1001 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W | R1066 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R1002 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W | R1069 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R1003 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W | R1071 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R1004 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W | R1074 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R1005 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W | R1077 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| R1006 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | R1078 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R1007 | 1-208-784-11 | METAL CHIP | 1.2K 0.5% 1/10W | R1079 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |
| R1008 | 1-208-766-11 | METAL CHIP | 220 0.5% 1/10W | R1081 | 1-216-037-00 | RES-CHIP | 330 5% 1/10W |
| R1009 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W | R1082 | 1-216-037-00 | RES-CHIP | 330 5% 1/10W |
| R1010 | 1-208-784-11 | METAL CHIP | 1.2K 0.5% 1/10W | R1083 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| R1011 | 1-208-766-11 | METAL CHIP | 220 0.5% 1/10W | R1084 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R1012 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W | R1086 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R1013 | 1-216-053-00 | RES-CHIP | 1.5K 5% 1/10W | R1087 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1014 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1088 | 1-216-067-00 | RES-CHIP | 5.6K 5% 1/10W |
| R1015 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1089 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1016 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1090 | 1-208-798-11 | METAL CHIP | 4.7K 0.5% 1/10W |
| R1017 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1091 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1018 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1092 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R1019 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1094 | 1-216-033-00 | RES-CHIP | 220 5% 1/10W |



| REF. NO. | PART NO. | DESCRIPTION | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | REMARK | | |
|----------|--------------|-------------|------|--------|----------|----------|--------------|------------|--------|------|-------|
| R1095 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1156 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| R1096 | 1-216-067-00 | RES-CHIP | 5.6K | 5% | 1/10W | R1157 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R1097 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1158 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| R1098 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1159 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R1099 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1161 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R1100 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1162 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1101 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R1163 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1102 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1164 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| R1103 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1165 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| R1104 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1166 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| R1106 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1167 | 1-216-121-91 | RES-CHIP | 1M | 5% | 1/10W |
| R1107 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1171 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R1108 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R1172 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R1109 | 1-216-295-91 | SHORT | 0 | | | R1175 | 1-208-788-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R1110 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1178 | 1-208-766-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R1111 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1180 | 1-208-788-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R1112 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | R1183 | 1-208-766-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R1113 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1185 | 1-208-788-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R1114 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1188 | 1-208-766-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R1115 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1301 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| R1116 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1302 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| R1117 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W | R1303 | 1-208-788-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R1118 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1305 | 1-208-788-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R1119 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1306 | 1-208-788-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R1120 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1307 | 1-208-766-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R1121 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1308 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1122 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | R1309 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1123 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1310 | 1-216-295-91 | SHORT | 0 | | |
| R1124 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1311 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| R1125 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | R1312 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| R1126 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R1313 | 1-208-766-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R1130 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1314 | 1-208-766-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R1131 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1315 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1133 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1316 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1134 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1317 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1135 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1318 | 1-216-061-00 | RES-CHIP | 3.3K | 5% | 1/10W |
| R1136 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1319 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| R1137 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1320 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1138 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1321 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1139 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1322 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1140 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1323 | 1-216-037-00 | RES-CHIP | 330 | 5% | 1/10W |
| R1141 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1324 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R1142 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1325 | 1-216-111-00 | RES-CHIP | 390K | 5% | 1/10W |
| R1143 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1326 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1144 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | R1327 | 1-216-061-00 | RES-CHIP | 3.3K | 5% | 1/10W |
| R1145 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1328 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1146 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1329 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R1147 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R1330 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1148 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1331 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1149 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1332 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1150 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R1333 | 1-216-043-91 | RES-CHIP | 560 | 5% | 1/10W |
| R1151 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R1334 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R1152 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R1335 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R1153 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | R1337 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1154 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | R1338 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R1155 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R1339 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| | | | | | | R1341 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |

KP-53HS10/61HS10

RM-Y902 RM-Y902



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|-----------------|----------|--------------|-------------|-----------------|
| R1342 | 1-216-071-00 | RES-CHIP | 8.2K 5% 1/10W | R1424 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W |
| R1345 | 1-216-077-91 | RES-CHIP | 15K 5% 1/10W | R1425 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1348 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R1426 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1349 | 1-216-053-00 | RES-CHIP | 1.5K 5% 1/10W | R1427 | 1-216-295-91 | SHORT | 0 |
| R1350 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | R1428 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| R1352 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | R1429 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1354 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1430 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1355 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1431 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1356 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1432 | 1-216-069-00 | RES-CHIP | 6.8K 5% 1/10W |
| R1357 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1433 | 1-216-111-00 | RES-CHIP | 390K 5% 1/10W |
| R1358 | 1-208-822-11 | METAL CHIP | 47K 0.5% 1/10W | R1434 | 1-216-295-91 | SHORT | 0 |
| R1363 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1435 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R1364 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R1436 | 1-216-295-91 | SHORT | 0 |
| R1365 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R1437 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R1366 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R1438 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R1368 | 1-208-788-11 | METAL CHIP | 1.8K 0.5% 1/10W | R1439 | 1-208-768-11 | METAL CHIP | 270 0.5% 1/10W |
| R1369 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1440 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| R1371 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W | R1441 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W |
| R1372 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | R1442 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W |
| R1374 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R1443 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R1375 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R1444 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W |
| R1377 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W | R1445 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R1379 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W | R1446 | 1-216-043-91 | RES-CHIP | 560 5% 1/10W |
| R1380 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W | R1447 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W |
| R1381 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W | R1448 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W |
| R1383 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R1449 | 1-216-071-00 | RES-CHIP | 8.2K 5% 1/10W |
| R1389 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R1450 | 1-216-077-91 | RES-CHIP | 15K 5% 1/10W |
| R1392 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R1451 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R1393 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R1452 | 1-216-053-00 | RES-CHIP | 1.5K 5% 1/10W |
| R1394 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R1453 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W |
| R1395 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R1454 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1396 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R1455 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1397 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R1456 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| R1398 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | R1457 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| R1400 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R1458 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1401 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R1461 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R1402 | 1-216-061-00 | RES-CHIP | 3.3K 5% 1/10W | R1462 | 1-216-295-91 | SHORT | 0 |
| R1404 | 1-208-822-11 | METAL CHIP | 47K 0.5% 1/10W | R1463 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1405 | 1-216-037-00 | RES-CHIP | 330 5% 1/10W | R1464 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R1406 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1465 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R1407 | 1-216-061-00 | RES-CHIP | 3.3K 5% 1/10W | R1466 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R1408 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R1467 | 1-216-295-91 | SHORT | 0 |
| R1409 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W | R1468 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R1410 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W | R1469 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R1411 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W | R1470 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| R1412 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R1471 | 1-216-295-91 | SHORT | 0 |
| R1413 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1472 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| R1414 | 1-216-069-00 | RES-CHIP | 6.8K 5% 1/10W | R1473 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W |
| R1415 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | R1474 | 1-208-790-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| R1416 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1475 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R1417 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1476 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R1418 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W | R1477 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R1419 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W | R1478 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W |
| R1420 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R1479 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R1421 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R1480 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R1422 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | R1482 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R1423 | 1-208-770-11 | METAL CHIP | 330 0.5% 1/10W | | | | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|-----------------|-----------------------------------|--------------|---------------------------|-----------------|
| R1483 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | R1677 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R1484 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | R1678 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| R1485 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | R1679 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R1501 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | <TUNER> | | | |
| R1503 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | TU501 | 8-598-431-20 | TUNER, FSS BTF-WA411 | |
| R1511 | 1-216-295-91 | SHORT | 0 | TU502 | 8-598-431-20 | TUNER, FSS BTF-WA411 | |
| R1517 | 1-216-295-91 | SHORT | 0 | <CRYSTAL> | | | |
| R1518 | 1-216-295-91 | SHORT | 0 | X1001 | 1-767-925-21 | VIBRATOR, CRYSTAL | |
| R1521 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | X1002 | 1-579-125-11 | VIBRATOR, CERAMIC | |
| R1527 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | X1301 | 1-577-611-11 | OSCILLATOR, CERAMIC | |
| R1528 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | X1302 | 1-567-505-11 | OSCILLATOR, CRYSTAL | |
| R1529 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | X1303 | 1-577-611-11 | OSCILLATOR, CERAMIC | |
| R1530 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | X1305 | 1-567-505-11 | OSCILLATOR, CRYSTAL | |
| R1536 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | ***** | | | |
| R1537 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | * A-1343-712-A DS BOARD, COMPLETE | | | |
| R1538 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | ***** | | | |
| R1540 | 1-216-655-11 | METAL CHIP | 1.5K 0.5% 1/10W | <CAPACITOR> | | | |
| R1543 | 1-216-295-91 | SHORT | 0 | C8501 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| R1546 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | C8502 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| R1601 | 1-216-117-00 | RES-CHIP | 680K 5% 1/10W | C8504 | 1-137-371-11 | MYLAR | 0.015µF 5% 50V |
| R1602 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | C8505 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R1603 | 1-216-295-91 | SHORT | 0 | C8506 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R1605 | 1-216-117-00 | RES-CHIP | 680K 5% 1/10W | C8507 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R1606 | 1-216-295-91 | SHORT | 0 | C8508 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R1607 | 1-216-117-00 | RES-CHIP | 680K 5% 1/10W | C8509 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R1608 | 1-216-295-91 | SHORT | 0 | C8510 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R1613 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C8511 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R1619 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C8512 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R1620 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C8513 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R1623 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C8514 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R1631 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W | C8515 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R1632 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W | C8516 | 1-163-038-91 | CERAMIC CHIP | 0.1µF 25V |
| R1633 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W | C8517 | 1-137-374-11 | MYLAR | 0.047µF 5% 50V |
| R1634 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W | C8518 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| R1640 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W | C8519 | 1-163-237-11 | CERAMIC CHIP | 27pF 5% 50V |
| R1641 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W | C8520 | 1-163-237-11 | CERAMIC CHIP | 27pF 5% 50V |
| R1645 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C8521 | 1-163-224-11 | CERAMIC CHIP | 7pF 0.25pF 50V |
| R1646 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C8522 | 1-163-243-11 | CERAMIC CHIP | 47pF 5% 50V |
| R1654 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C8523 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| R1655 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C8524 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R1656 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C8525 | 1-104-664-11 | ELECT | 47µF 20% 25V |
| R1657 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C8526 | 1-163-275-11 | CERAMIC CHIP | 0.001µF 5% 50V |
| R1658 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | C8527 | 1-163-009-11 | CERAMIC CHIP | 0.001µF 10% 50V |
| R1659 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | <CONNECTOR> | | | |
| R1660 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | CN8501* | 1-691-632-21 | CONNECTOR, BOARD TO BOARD | 15P |
| R1661 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | | | | |
| R1662 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W | | | | |
| R1663 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | | | | |
| R1664 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W | | | | |
| R1665 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | | | | |
| R1666 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | | | | |
| R1667 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W | | | | |
| R1672 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | | | | |
| R1673 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | | | | |
| R1674 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | | | | |
| R1675 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | | | | |
| R1676 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | | | | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|------------|--------------|------------------------|--------|
| <DIODE> | | | |
| D8501 | 8-719-914-44 | DIODE DAP202K-T-146 | |
| D8502 | 8-719-914-44 | DIODE DAP202K-T-146 | |
| D8503 | 8-719-914-43 | DIODE DAN202K-T-146 | |
| D8504 | 8-719-158-15 | DIODE UDZ-TE-17-5.6B | |
| D8505 | 8-719-158-15 | DIODE UDZ-TE-17-5.6B | |
| <IC> | | | |
| IC8501 | 8-759-251-31 | IC CA0007AM | |
| IC8502 | 8-759-011-64 | IC MC74HC4052FEL | |
| IC8503 | 8-759-251-31 | IC CA0007AM | |
| IC8504 | 8-759-711-28 | IC NJM2058D | |
| IC8505 | 8-759-251-31 | IC CA0007AM | |
| IC8506 | 8-759-100-96 | IC NJM4558M-TE2 | |
| <RESISTOR> | | | |
| R8501 | 1-216-689-11 | RES-CHIP 39K 5% 1/10W | |
| R8502 | 1-216-113-00 | RES-CHIP 470K 5% 1/10W | |
| R8503 | 1-216-073-00 | RES-CHIP 10K 5% 1/10W | |
| R8504 | 1-216-061-00 | RES-CHIP 3.3K 5% 1/10W | |
| R8505 | 1-216-073-00 | RES-CHIP 10K 5% 1/10W | |
| R8506 | 1-216-065-00 | RES-CHIP 4.7K 5% 1/10W | |
| R8512 | 1-216-073-00 | RES-CHIP 10K 5% 1/10W | |
| R8513 | 1-216-093-91 | RES-CHIP 68K 5% 1/10W | |
| R8525 | 1-216-085-00 | RES-CHIP 33K 5% 1/10W | |
| R8526 | 1-216-039-00 | RES-CHIP 390 5% 1/10W | |
| R8527 | 1-216-057-00 | RES-CHIP 2.2K 5% 1/10W | |
| R8528 | 1-216-037-00 | RES-CHIP 330 5% 1/10W | |
| R8529 | 1-216-081-00 | RES-CHIP 22K 5% 1/10W | |
| R8530 | 1-216-107-00 | RES-CHIP 270K 5% 1/10W | |
| R8531 | 1-216-081-00 | RES-CHIP 22K 5% 1/10W | |
| R8532 | 1-216-073-00 | RES-CHIP 10K 5% 1/10W | |
| R8533 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| R8534 | 1-216-073-00 | RES-CHIP 10K 5% 1/10W | |
| R8535 | 1-216-081-00 | RES-CHIP 22K 5% 1/10W | |
| R8536 | 1-216-079-00 | RES-CHIP 18K 5% 1/10W | |
| R8537 | 1-216-081-00 | RES-CHIP 22K 5% 1/10W | |
| R8538 | 1-216-099-00 | RES-CHIP 120K 5% 1/10W | |
| R8539 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| R8540 | 1-216-073-00 | RES-CHIP 10K 5% 1/10W | |
| R8541 | 1-216-075-00 | RES-CHIP 12K 5% 1/10W | |
| R8542 | 1-216-103-00 | RES-CHIP 180K 5% 1/10W | |
| R8543 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| R8544 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| R8545 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| R8546 | 1-216-073-00 | RES-CHIP 10K 5% 1/10W | |
| R8547 | 1-216-081-00 | RES-CHIP 22K 5% 1/10W | |
| R8548 | 1-216-057-00 | RES-CHIP 2.2K 5% 1/10W | |
| R8549 | 1-216-065-00 | RES-CHIP 4.7K 5% 1/10W | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--|--------------|--------------------------|--------|
| * A-1346-873-A D BOARD, COMPLETE (53HS10) ***** | | | |
| * A-1346-899-A D BOARD, COMPLETE (61HS10) ***** | | | |
| | 4-363-414-00 | SPACER, MICA | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) | |
| | 7-682-952-09 | SCREW +PSW 3X16 | |
| <CAPACITOR> | | | |
| C5001 | 1-104-664-11 | ELECT 47μF 20% 25V | |
| C5002 | 1-126-965-11 | ELECT 22μF 20% 50V | |
| C5003 | 1-104-664-11 | ELECT 47μF 20% 25V | |
| C5004 | 1-101-002-00 | CERAMIC 0.0022μF 50V | |
| C5005 | 1-130-495-00 | MYLAR 0.1μF 5% 50V | |
| C5006 | 1-101-002-00 | CERAMIC 0.0022μF 50V | |
| C5007 | 1-102-973-00 | CERAMIC 100pF 5% 50V | |
| C5008 | 1-126-967-11 | ELECT 47μF 20% 50V | |
| C5010 | 1-102-973-00 | CERAMIC 100pF 5% 50V | |
| C5011 | 1-126-967-11 | ELECT 47μF 20% 50V | |
| C5012 | 1-107-645-11 | ELECT 22μF 20% 160V | |
| C5013 | 1-126-967-11 | ELECT 47μF 20% 50V | |
| C5014 | 1-101-002-00 | CERAMIC 0.0022μF 50V | |
| C5015 | 1-101-880-00 | CERAMIC 47pF 5% 50V | |
| C5016 | 1-106-383-00 | MYLAR 0.047μF 10% 200V | |
| C5017 | 1-126-967-11 | ELECT 47μF 20% 50V | |
| C5019 | 1-102-228-00 | CERAMIC 470pF 10% 500V | |
| C5020 | 1-130-495-00 | MYLAR 0.1μF 5% 50V | |
| C5023 | 1-126-960-11 | ELECT 1μF 20% 50V | |
| C5024 | 1-126-942-61 | ELECT 1000μF 20% 25V | |
| C5025 | 1-126-942-61 | ELECT 1000μF 20% 25V | |
| C5026 | 1-137-370-11 | MYLAR 0.01μF 5% 50V | |
| C5028 | 1-102-228-00 | CERAMIC 470pF 10% 500V | |
| C5029 | 1-164-096-11 | CERAMIC 0.01μF 50V | |
| C5032 | 1-126-972-11 | ELECT 1000μF 20% 50V | |
| C5033 | 1-101-002-00 | CERAMIC 0.0022μF 50V | |
| C5034 | 1-136-177-00 | MYLAR 1μF 5% 50V | |
| C5035 | 1-126-967-11 | ELECT 47μF 20% 50V | |
| C5036 | 1-164-096-11 | CERAMIC 0.01μF 50V | |
| C5037 | 1-126-969-11 | ELECT 220μF 20% 50V | |
| C5038 | 1-115-524-11 | FILM 1.5μF 5% 250V | |
| C5039 | 1-117-834-11 | FILM 5600pF 3% 1.5KV | |
| C5040 | 1-137-378-11 | MYLAR 0.22μF 5% 50V | |
| C5041 | 1-137-420-11 | MYLAR 0.047μF 10% 100V | |
| C5042 | 1-162-116-00 | CERAMIC 680pF 10% 2KV | |
| C5043 | 1-162-116-00 | CERAMIC 680pF 10% 2KV | |
| C5045 | 1-162-114-00 | CERAMIC 0.0047μF 2KV | |
| C5047 | 1-137-399-11 | MYLAR 0.1μF 10% 100V | |
| C5048 | 1-137-399-11 | MYLAR 0.1μF 10% 100V | |
| C5049 | 1-126-933-11 | ELECT 100μF 20% 16V | |
| C5050 | 1-136-479-11 | FILM 0.001μF 5% 50V | |
| C5051 | 1-162-318-11 | CERAMIC 0.001μF 10% 500V | |
| C5052 | 1-126-972-11 | ELECT 1000μF 20% 50V | |
| C5061 | 1-102-973-00 | CERAMIC 100pF 5% 50V | |
| C5062 | 1-102-973-00 | CERAMIC 100pF 5% 50V | |
| C5063 | 1-102-973-00 | CERAMIC 100pF 5% 50V | |
| C5064 | 1-102-973-00 | CERAMIC 100pF 5% 50V | |



| REF. NO. | PART NO. | DESCRIPTION | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | REMARK |
|----------|--------------|--------------|----------|----------|----------|--------------|--------------|----------|----------|
| C5065 | 1-102-973-00 | CERAMIC | 100pF | 5% 50V | C8020 | 1-162-318-11 | CERAMIC | 0.001μF | 10% 500V |
| C5066 | 1-102-973-00 | CERAMIC | 100pF | 5% 50V | C8023 | 1-126-767-11 | ELECT | 1000μF | 20% 16V |
| C5071 | 1-107-718-91 | ELECT | 100μF | 20% 50V | C8024 | 1-126-968-11 | ELECT | 100μF | 20% 50V |
| C5072 | 1-107-718-91 | ELECT | 100μF | 20% 50V | C8025 | 1-128-562-11 | ELECT | 47μF | 20% 100V |
| C5073 | 1-126-968-11 | ELECT | 100μF | 20% 50V | C8026 | 1-164-161-11 | CERAMIC CHIP | 0.0022μF | 10% 50V |
| C5074 | 1-126-968-11 | ELECT | 100μF | 20% 50V | C8028 | 1-137-368-11 | MYLAR | 0.0047μF | 5% 50V |
| C5075 | 1-107-718-91 | ELECT | 100μF | 20% 50V | C8029 | 1-164-161-11 | CERAMIC CHIP | 0.0022μF | 10% 50V |
| C5076 | 1-107-718-91 | ELECT | 100μF | 20% 50V | C8030 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C5079 | 1-126-968-11 | ELECT | 100μF | 20% 50V | C8032 | 1-106-387-00 | MYLAR | 0.068μF | 10% 200V |
| C5080 | 1-126-968-11 | ELECT | 100μF | 20% 50V | C8033 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V |
| C5085 | 1-101-002-00 | CERAMIC | 0.0022μF | 50V | C8034 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C5086 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V | C8035 | 1-104-664-11 | ELECT | 47μF | 20% 25V |
| C5087 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V | C8037 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V |
| C5088 | 1-115-524-11 | FILM | 1.5μF | 5% 250V | C8038 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C5089 | 1-106-220-00 | MYLAR | 0.1μF | 10% 100V | C8039 | 1-137-420-11 | MYLAR | 0.047μF | 10% 100V |
| C5090 | 1-126-960-11 | ELECT | 1μF | 20% 50V | C8040 | 1-126-964-11 | ELECT | 10μF | 20% 50V |
| C5091 | 1-126-942-61 | ELECT | 1000μF | 20% 25V | C8041 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V |
| C5092 | 1-126-942-61 | ELECT | 1000μF | 20% 25V | C8042 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C5093 | 1-137-370-11 | MYLAR | 0.01μF | 5% 50V | C8043 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V |
| C5094 | 1-137-370-11 | MYLAR | 0.01μF | 5% 50V | C8045 | 1-137-431-11 | MYLAR | 560pF | 5% 50V |
| C5095 | 1-126-964-11 | ELECT | 10μF | 20% 50V | C8046 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V |
| C5097 | 1-126-933-11 | ELECT | 100μF | 20% 16V | C8047 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V |
| C5098 | 1-126-933-11 | ELECT | 100μF | 20% 16V | C8048 | 1-163-251-11 | CERAMIC CHIP | 100pF | 5% 50V |
| C5099 | 1-104-999-11 | MYLAR | 0.1μF | 10% 200V | C8049 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C5100 | 1-124-347-51 | ELECT | 100μF | 20% 160V | C8050 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C5103 | 1-107-641-11 | ELECT | 220μF | 20% 160V | C8051 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C5105 | 1-137-372-11 | MYLAR | 0.022μF | 5% 50V | C8052 | 1-163-239-11 | CERAMIC CHIP | 33pF | 5% 50V |
| C5107 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V | C8053 | 1-126-960-11 | ELECT | 1μF | 20% 50V |
| C5108 | 1-130-048-00 | FILM | 220pF | 5% 50V | C8054 | 1-126-960-11 | ELECT | 1μF | 20% 50V |
| C5112 | 1-104-664-11 | ELECT | 47μF | 20% 16V | C8055 | 1-126-961-11 | ELECT | 2.2μF | 20% 50V |
| C5113 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V | C8059 | 1-126-965-11 | ELECT | 22μF | 20% 50V |
| C5114 | 1-136-479-11 | FILM | 0.001μF | 5% 50V | C8060 | 1-126-963-11 | ELECT | 4.7μF | 20% 50V |
| C5122 | 1-164-096-11 | CERAMIC | 0.01μF | 50V | C8061 | 1-126-965-11 | ELECT | 22μF | 20% 50V |
| C5123 | 1-104-664-11 | ELECT | 47μF | 20% 16V | C8062 | 1-126-965-11 | ELECT | 22μF | 20% 50V |
| C5124 | 1-164-096-11 | CERAMIC | 0.01μF | 50V | C8064 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V |
| C5203 | 1-136-356-11 | MYLAR | 470pF | 5% 50V | C8065 | 1-126-964-11 | ELECT | 10μF | 20% 50V |
| C5204 | 1-137-368-11 | MYLAR | 0.0047μF | 5% 50V | C8066 | 1-130-471-00 | MYLAR | 0.001μF | 5% 50V |
| C5208 | 1-136-479-11 | FILM | 0.001μF | 5% 50V | C8067 | 1-104-661-91 | ELECT | 330μF | 20% 16V |
| C8001 | 1-107-655-11 | ELECT | 47μF | 20% 250V | C8068 | 1-137-410-11 | MYLAR | 0.001μF | 10% 100V |
| C8002 | 1-124-347-51 | ELECT | 100μF | 20% 160V | C8069 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C8003 | 1-124-347-51 | ELECT | 100μF | 20% 160V | C8070 | 1-102-110-00 | CERAMIC | 220pF | 10% 50V |
| C8004 | 1-163-251-11 | CERAMIC CHIP | 100pF | 5% 50V | C8071 | 1-126-963-11 | ELECT | 4.7μF | 20% 50V |
| C8005 | 1-106-387-00 | MYLAR | 0.068μF | 10% 200V | C8072 | 1-126-964-11 | ELECT | 10μF | 20% 50V |
| C8006 | 1-126-959-11 | ELECT | 0.47μF | 20% 50V | C8073 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C8007 | 1-137-150-11 | MYLAR | 0.01μF | 10% 100V | C8074 | 1-137-410-11 | MYLAR | 0.001μF | 10% 100V |
| C8008 | 1-102-030-00 | CERAMIC | 330pF | 10% 500V | C8075 | 1-126-965-11 | ELECT | 22μF | 20% 50V |
| C8009 | 1-102-244-00 | CERAMIC | 220pF | 10% 500V | C8076 | 1-163-009-11 | CERAMIC CHIP | 0.001μF | 10% 50V |
| C8010 | 1-130-481-00 | MYLAR | 0.0068μF | 5% 50V | C8077 | 1-137-370-11 | MYLAR | 0.01μF | 5% 50V |
| C8011 | 1-126-934-11 | ELECT | 220μF | 20% 16V | C8078 | 1-130-495-00 | MYLAR | 0.1μF | 5% 50V |
| C8012 | 1-130-338-91 | FILM | 0.01μF | 5% 630V | C8079 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C8013 | 1-126-964-11 | ELECT | 10μF | 20% 50V | C8080 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C8014 | 1-102-228-00 | CERAMIC | 470pF | 10% 500V | C8081 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C8015 | 1-126-933-11 | ELECT | 100μF | 20% 16V | C8082 | 1-137-366-11 | MYLAR | 0.0022μF | 5% 50V |
| C8016 | 1-126-964-11 | ELECT | 10μF | 20% 50V | C8083 | 1-126-964-11 | ELECT | 10μF | 20% 50V |
| C8017 | 1-126-964-11 | ELECT | 10μF | 20% 50V | C8084 | 1-126-967-11 | ELECT | 47μF | 20% 50V |
| C8018 | 1-117-838-11 | FILM | 8200pF | 3% 1.5KV | C8085 | 1-104-661-91 | ELECT | 330μF | 20% 16V |
| C8019 | 1-163-133-00 | CERAMIC CHIP | 470pF | 5% 50V | | | | | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|-------------|--------------|-------------------------------|--------------|----------|--------------|-------------|-----------------|
| C8086 | 1-137-150-11 | MYLAR | 0.01µF 10% | D5004 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C8089 | 1-137-399-11 | MYLAR | 0.1µF 10% | D5005 | 8-719-109-89 | DIODE | MTZJ-T-77-5.6 |
| C8090 | 1-126-964-11 | ELECT | 10µF 20% | D5006 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C8091 | 1-126-967-11 | ELECT | 47µF 20% | D5007 | 8-719-302-43 | DIODE | RGPI0GPKG23 |
| C8092 | 1-126-964-11 | ELECT | 10µF 20% | D5008 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C8093 | 1-126-964-11 | ELECT | 10µF 20% | D5009 | 8-719-979-85 | DIODE | RGPI5GPKG23 |
| C8094 | 1-126-964-11 | ELECT | 10µF 20% | D5010 | 8-719-908-03 | DIODE | GP08DPKG23 |
| C8095 | 1-126-967-11 | ELECT | 47µF 20% | D5011 | 8-719-908-03 | DIODE | GP08DPKG23 |
| C8096 | 1-126-967-11 | ELECT | 47µF 20% | D5013 | 8-719-979-99 | DIODE | ERD08M-15 |
| C8097 | 1-126-967-11 | ELECT | 47µF 20% | D5014 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C8098 | 1-126-967-11 | ELECT | 47µF 20% | D5015 | 8-719-018-82 | DIODE | RGPO2-20EL-6394 |
| C8099 | 1-126-964-11 | ELECT | 10µF 20% | D5016 | 8-719-110-61 | DIODE | MTZJ-T-77-24A |
| C8100 | 1-162-114-00 | CERAMIC | 0.0047µF | D5017 | 8-719-110-61 | DIODE | MTZJ-T-77-24A |
| C8102 | 1-102-125-00 | CERAMIC | 0.0047µF 10% | D5019 | 8-719-302-43 | DIODE | RGPI0GPKG23 |
| C8103 | 1-126-964-11 | ELECT | 10µF 20% | D5020 | 8-719-302-43 | DIODE | RGPI0GPKG23 |
| C8104 | 1-126-961-11 | ELECT | 2.2µF 20% | D5021 | 8-719-920-67 | DIODE | ERC91-02 |
| C8109 | 1-102-125-00 | CERAMIC | 0.0047µF 10% | D5022 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C8111 | 1-126-933-11 | ELECT | 100µF 20% | D5025 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C8112 | 1-136-291-11 | MYLAR | 0.0068µF 5% | D5027 | 8-719-923-86 | DIODE | MTZJ-T-77-15 |
| C8113 | 1-102-125-00 | CERAMIC | 0.0047µF 10% | D5028 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C8114 | 1-104-664-11 | ELECT | 47µF 20% | D5029 | 8-719-018-82 | DIODE | RGPO2-20EL-6394 |
| C8115 | 1-162-114-00 | CERAMIC | 0.0047µF | D8001 | 8-719-105-82 | DIODE | MA3051M-TX |
| <CONNECTOR> | | | | D8002 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN5001* | 1-564-506-11 | PLUG, CONNECTOR 3P | | D8003 | 8-719-979-85 | DIODE | RGPI5GPKG23 |
| CN5002* | 1-573-964-11 | PIN, CONNECTOR (PC BOARD) 6P | | D8004 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN5003* | 1-564-509-11 | PLUG, CONNECTOR 6P | | D8005 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN5004* | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P | | D8006 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN5005* | 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | | D8007 | 8-719-945-80 | DIODE | ERC06-15STP11 |
| CN5006* | 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | | D8008 | 8-719-106-81 | DIODE | MA3130H-TX |
| CN5007* | 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | | D8009 | 8-719-106-81 | DIODE | MA3130H-TX |
| CN5008* | 1-564-506-11 | PLUG, CONNECTOR 3P | | D8010 | 8-719-054-52 | DIODE | D8LC20U-4015 |
| CN5009* | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P | | D8011 | 8-719-945-80 | DIODE | ERC06-15STP11 |
| CN5010* | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P | | D8013 | 8-719-920-67 | DIODE | ERC91-02E |
| CN5011* | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P | | D8014 | 8-719-302-43 | DIODE | RGPI0GPKG23 |
| CN5012* | 1-564-507-11 | PLUG, CONNECTOR 4P | | D8015 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN5013* | 1-564-507-11 | PLUG, CONNECTOR 4P | | D8017 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN5014* | 1-564-507-11 | PLUG, CONNECTOR 4P | | D8018 | 8-719-983-14 | DIODE | MTZJ-T-77-3.9 |
| CN8001* | 1-573-986-11 | PIN, CONNECTOR (PC BOARD) 5P | | D8021 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN8002 | 1-695-915-11 | TAB (CONTACT) | | D8023 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN8003* | 1-564-509-11 | PLUG, CONNECTOR 6P | | D8024 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN8004* | 1-564-510-11 | PLUG, CONNECTOR 7P | | D8025 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN8005* | 1-564-507-11 | PLUG, CONNECTOR 4P | | D8026 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN8006* | 1-564-507-11 | PLUG, CONNECTOR 4P | | D8027 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN8007* | 1-506-371-00 | PIN, CONNECTOR 2P | | D8029 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN8008* | 1-506-371-00 | PIN, CONNECTOR 2P | | D8030 | 8-719-400-75 | DIODE | MA3091-TX |
| CN8009 | 1-695-915-11 | TAB (CONTACT) | | D8031 | 8-719-105-82 | DIODE | MA3051M-TX |
| CN8010 | 1-695-915-11 | TAB (CONTACT) | | D8032 | 8-719-302-43 | DIODE | RGPI0GPKG23 |
| CN8011* | 1-691-616-21 | CONNECTOR, BOARD TO BOARD 15P | | D8033 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| CN8012* | 1-564-506-11 | PLUG, CONNECTOR 3P | | D8034 | 8-719-028-00 | DIODE | MA3033L-TX |
| <DIODE> | | | | D8035 | 8-719-105-82 | DIODE | MA3051M-TX |
| D5001 | 8-719-991-33 | DIODE | 1SS133T-77 | D8036 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| D5002 | 8-719-991-33 | DIODE | 1SS133T-77 | D8037 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| D5003 | 8-719-302-43 | DIODE | RGPI0GPKG23 | D8038 | 8-719-106-81 | DIODE | MA3130H-TX |
| | | | | D8039 | 8-719-110-17 | DIODE | MTZN-T-77-10 |
| | | | | D8040 | 8-719-914-43 | DIODE | DAN202K-T-146 |
| | | | | D8041 | 8-719-106-81 | DIODE | MA3130H-TX |
| | | | | D8042 | 8-759-157-40 | DIODE | HZT33-02TE |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------------------|--------|----------|--------------|----------------|--------|
| D8045 | 8-719-400-75 | DIODE MA3091-TX | | L8005 | 1-412-533-21 | INDUCTOR 47μH | |
| D8046 | 8-719-402-57 | DIODE MA3150H-TX | | L8006 | 1-412-533-21 | INDUCTOR 47μH | |
| D8047 | 8-719-402-57 | DIODE MA3150H-TX | | L8007 | 1-412-521-31 | INDUCTOR 4.7μH | |
| D8048 | 8-719-914-43 | DIODE DAN202K-T-146 | | | | | |
| D8050 | 8-719-914-43 | DIODE DAN202K-T-146 | | | | | |
| | | <FERRITE BEAD> | | | | | |
| FB5001 | 1-410-396-41 | FERRITE 0.45μH | | | | | |
| FB8001 | 1-410-396-41 | FERRITE 0.45μH | | | | | |
| FB8002 | 1-410-396-41 | FERRITE 0.45μH | | | | | |
| FB8003 | 1-410-397-21 | FERRITE 1.1μH | | | | | |
| | | <IC> | | | | | |
| IC5001 | 8-759-701-88 | IC NJM7912FA | | | | | |
| IC5002 | 8-759-701-79 | IC NJM7812FA | | | | | |
| IC5004 | 8-759-192-71 | IC STV9379 | | | | | |
| IC5005 | 8-749-014-67 | IC STK392-020 | | | | | |
| IC5006 | 8-749-014-67 | IC STK392-020 | | | | | |
| IC5008 | 8-759-103-93 | IC LM393P | | | | | |
| IC5009 | 8-759-634-51 | IC NJM4558D | | | | | |
| IC8002 | 8-759-103-93 | IC LM393P | | | | | |
| IC8003 | 8-759-701-84 | IC NJM7905FA | | | | | |
| IC8004 | 8-759-144-82 | IC LM2940CT-5.0 | | | | | |
| IC8006 | 8-759-103-93 | IC LM393P | | | | | |
| IC8007 | 8-759-711-28 | IC NJM2058D | | | | | |
| IC8008 | 8-759-135-80 | IC LM358P | | | | | |
| IC8009 | 8-759-135-80 | IC LM358P | | | | | |
| IC8010 | 8-759-103-93 | IC LM393P | | | | | |
| IC8011 | 8-759-711-28 | IC NJM2058D | | | | | |
| | | <CHIP CONDUCTOR> | | | | | |
| JR8001 | 1-216-295-00 | SHORT 0 | | | | | |
| JR8002 | 1-216-295-00 | SHORT 0 | | | | | |
| JR8003 | 1-216-295-00 | SHORT 0 | | | | | |
| JR8004 | 1-216-295-00 | SHORT 0 | | | | | |
| | | <COIL> | | | | | |
| L5001 | 1-412-533-21 | INDUCTOR 47μH | | | | | |
| L5002 | 1-412-533-21 | INDUCTOR 47μH | | | | | |
| L5003 | 1-412-533-21 | INDUCTOR 47μH | | | | | |
| L5004 | 1-412-533-21 | INDUCTOR 47μH | | | | | |
| L5007 | 1-419-352-11 | COIL, HORIZONTAL LINEARITY | | | | | |
| L5009 | 1-412-524-11 | INDUCTOR 8.2μH | | | | | |
| L5010 | 1-412-533-21 | INDUCTOR 47μH | | | | | |
| L5011 | 1-412-533-21 | INDUCTOR 47μH | | | | | |
| L5012 | 1-412-533-21 | INDUCTOR 47μH | | | | | |
| L5013 | 1-412-533-21 | INDUCTOR 47μH | | | | | |
| L5018 | 1-411-594-11 | INDUCTOR 5mH | | | | | |
| L5019 | 1-459-109-00 | COIL,DUST CORE | | | | | |
| L5020 | 1-414-177-11 | INDUCTOR 1μH | | | | | |
| L8001 | 1-414-223-11 | INDUCTOR 470μH | | | | | |
| L8002 | 1-406-977-21 | INDUCTOR 100μH | | | | | |
| L8003 | 1-422-613-11 | COIL, AIR CORE | | | | | |
| L8004 | 1-412-521-31 | INDUCTOR 4.7μH | | | | | |
| | | <NEON LAMP> | | | | | |
| NL8001 | 1-517-778-21 | LAMP, NEON | | | | | |
| NL8002 | 1-517-778-21 | LAMP, NEON | | | | | |
| NL8003 | 1-517-778-21 | LAMP, NEON | | | | | |
| NL8004 | 1-517-778-21 | LAMP, NEON | | | | | |
| | | <IC LINK> | | | | | |
| PS5001 | 1-533-595-31 | LINK, IC | | | | | |
| PS5002 | 1-533-595-31 | LINK, IC | | | | | |
| PS5003 | 1-533-595-31 | LINK, IC | | | | | |
| PS5004 | 1-533-595-31 | LINK, IC | | | | | |
| PS5005 | 1-533-595-31 | LINK, IC | | | | | |
| PS5006 | 1-533-595-31 | LINK, IC | | | | | |
| PS5007 | 1-533-595-31 | LINK, IC | | | | | |
| PS5008 | 1-533-595-31 | LINK, IC | | | | | |
| PS8001 | 1-533-593-11 | LINK, IC | | | | | |
| | | <TRANSISTOR> | | | | | |
| Q5002 | 8-729-119-76 | TRANSISTOR 2SA1309A-QRSTA | | | | | |
| Q5004 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5005 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5006 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5008 | 8-729-119-80 | TRANSISTOR 2SC2688-LK | | | | | |
| Q5009 | 8-729-119-76 | TRANSISTOR 2SA1309A-QRSTA | | | | | |
| Q5010 | 8-729-119-76 | TRANSISTOR 2SA1309A-QRSTA | | | | | |
| Q5013 | 8-729-048-35 | TRANSISTOR 2SC3997S-SONY-YB | | | | | |
| Q5014 | 8-729-119-76 | TRANSISTOR 2SA1309A-QRSTA | | | | | |
| Q5015 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5016 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5019 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5022 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5023 | 8-729-119-76 | TRANSISTOR 2SA1309A-QRSTA | | | | | |
| Q5024 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5025 | 8-729-119-76 | TRANSISTOR 2SA1309A-QRSTA | | | | | |
| Q5026 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5027 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5029 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5030 | 8-729-119-76 | TRANSISTOR 2SA1309A-QRSTA | | | | | |
| Q5031 | 8-729-038-83 | TRANSISTOR 2SK2251-01-F19 | | | | | |
| Q5034 | 8-729-231-55 | TRANSISTOR 2SC2878AB-TPE2 | | | | | |
| Q5035 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA | | | | | |
| Q5036 | 8-729-119-76 | TRANSISTOR 2SA1309A-QRSTA | | | | | |
| Q5037 | 8-729-119-76 | TRANSISTOR 2SA1309A-QRSTA | | | | | |
| Q8001 | 8-729-119-80 | TRANSISTOR 2SC2688-LK | | | | | |
| Q8002 | 8-729-122-12 | TRANSISTOR 2SA1221-T-M | | | | | |
| Q8003 | 8-729-119-80 | TRANSISTOR 2SC2688-LK | | | | | |
| Q8004 | 8-729-823-81 | TRANSISTOR 2SC4632LS-CB7 | | | | | |
| Q8005 | 8-729-231-55 | TRANSISTOR 2SC2878AB-TPE2 | | | | | |
| Q8006 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | | | | |
| Q8007 | 8-729-048-35 | TRANSISTOR 2SC3997-YB | | | | | |
| Q8008 | 8-729-024-30 | TRANSISTOR IRF1640LF | | | | | |

KP-53HS10/61HS10

RM-Y902 RM-Y902



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------------|----------|----------|--------------|-----------------|----------|
| Q8009 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R5043 | 1-249-417-11 | CARBON 1K | 5% 1/4W |
| Q8010 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R5046 | 1-216-389-11 | METAL OXIDE 1 | 5% 3W |
| Q8013 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R5047 | 1-215-450-00 | METAL 16K | 1% 1/4W |
| Q8014 | 8-729-823-81 | TRANSISTOR 2SC4632LS-CB7 | | R5049 | 1-215-905-11 | METAL OXIDE 10 | 5% 3W |
| Q8015 | 8-729-140-93 | TRANSISTOR 2SB734-T-4 | | R5050 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| Q8016 | 8-729-140-96 | TRANSISTOR 2SD774-T-34 | | R5051 | 1-249-435-11 | CARBON 33K | 5% 1/4W |
| Q8017 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R5054 | 1-249-413-11 | CARBON 470 | 5% 1/4W |
| Q8018 | 8-729-231-55 | TRANSISTOR 2SC2878AB-TPE2 | | R5055 | 1-215-912-11 | METAL OXIDE 150 | 5% 3W |
| Q8019 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R5057 | 1-249-429-11 | CARBON 10K | 5% 1/4W |
| Q8020 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R5058 | 1-249-430-11 | CARBON 12K | 5% 1/4W |
| Q8021 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R5059 | 1-249-383-11 | CARBON 1.5 | 5% 1/4W |
| Q8022 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R5061 | 1-249-429-11 | CARBON 10K | 5% 1/4W |
| Q8023 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | | R5062 | 1-247-735-11 | SOLID 47 | 20% 1/2W |
| Q8024 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R5063 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| Q8025 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | | R5067 | 1-214-800-11 | METAL 2.2 | 1% 1/2W |
| Q8026 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R5068 | 1-249-429-11 | CARBON 10K | 5% 1/4W |
| Q8027 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R5069 | 1-249-429-11 | CARBON 10K | 5% 1/4W |
| Q8028 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R5070 | 1-260-321-71 | CARBON 270 | 5% 1/2W |
| Q8030 | 8-729-823-81 | TRANSISTOR 2SC4632LS-CB7 | | R5071 | 1-214-800-11 | METAL 2.2 | 1% 1/2W |
| Q8031 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R5072 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| | | <RESISTOR> | | R5073 | 1-215-433-00 | METAL 3.3K | 1% 1/4W |
| R5002 | 1-249-417-11 | CARBON 1K | 5% 1/4W | R5074 | 1-249-437-11 | CARBON 47K | 5% 1/4W |
| R5003 | 1-249-417-11 | CARBON 1K | 5% 1/4W | R5075 | 1-215-445-00 | METAL 10K | 1% 1/4W |
| R5004 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W | R5076 | 1-215-857-11 | METAL OXIDE 10 | 5% 1W |
| R5007 | 1-216-472-00 | METAL OXIDE 39 | 5% 3W | R5077 | 1-216-477-11 | METAL OXIDE 270 | 5% 3W |
| | | | (61HS10) | R5081 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| R5007 | 1-216-474-11 | METAL OXIDE 82 | 5% 3W | R5082 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| | | | (53HS10) | R5083 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| R5008 | 1-216-472-00 | METAL OXIDE 39 | 5% 3W | R5084 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| | | | (61HS10) | R5085 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| R5008 | 1-216-474-11 | METAL OXIDE 82 | 5% 3W | R5086 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| | | | (53HS10) | R5087 | 1-247-843-11 | CARBON 3.3K | 5% 1/4W |
| R5009 | 1-249-421-11 | CARBON 2.2K | 5% 1/4W | R5088 | 1-247-843-11 | CARBON 3.3K | 5% 1/4W |
| R5011 | 1-247-843-11 | CARBON 3.3K | 5% 1/4W | R5089 | 1-247-843-11 | CARBON 3.3K | 5% 1/4W |
| R5012 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W | R5090 | 1-247-843-11 | CARBON 3.3K | 5% 1/4W |
| R5013 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W | R5091 | 1-249-417-11 | CARBON 1K | 5% 1/4W |
| R5016 | 1-249-429-11 | CARBON 10K | 5% 1/4W | R5092 | 1-249-417-11 | CARBON 1K | 5% 1/4W |
| R5017 | 1-247-863-91 | CARBON 22K | 5% 1/4W | R5093 | 1-247-843-11 | CARBON 3.3K | 5% 1/4W |
| R5018 | 1-247-843-11 | CARBON 3.3K | 5% 1/4W | R5095 | 1-247-843-11 | CARBON 3.3K | 5% 1/4W |
| R5020 | 1-249-437-11 | CARBON 47K | 5% 1/4W | R5097 | 1-249-417-11 | CARBON 1K | 5% 1/4W |
| R5021 | 1-215-445-00 | METAL 10K | 1% 1/4W | R5098 | 1-249-405-11 | CARBON 100 | 5% 1/4W |
| R5022 | 1-247-863-91 | CARBON 22K | 5% 1/4W | R5099 | 1-249-417-11 | CARBON 1K | 5% 1/4W |
| R5023 | 1-247-863-91 | CARBON 22K | 5% 1/4W | R5100 | 1-249-405-11 | CARBON 100 | 5% 1/4W |
| R5026 | 1-216-462-00 | METAL OXIDE 8.2K | 5% 2W | R5101 | 1-214-808-11 | METAL 4.7 | 1% 1/2W |
| R5027 | 1-215-897-11 | METAL OXIDE 6.8K | 5% 2W | R5102 | 1-214-808-11 | METAL 4.7 | 1% 1/2W |
| R5028 | 1-249-377-11 | CARBON 0.47 | 5% 1/4W | R5103 | 1-214-808-11 | METAL 4.7 | 1% 1/2W |
| R5029 | 1-249-377-11 | CARBON 0.47 | 5% 1/4W | R5104 | 1-214-808-11 | METAL 4.7 | 1% 1/2W |
| R5030 | 1-249-437-11 | CARBON 47K | 5% 1/4W | R5105 | 1-214-808-11 | METAL 4.7 | 1% 1/2W |
| R5031 | 1-216-435-11 | METAL OXIDE 2.7K | 5% 1W | R5106 | 1-214-808-11 | METAL 4.7 | 1% 1/2W |
| R5033 | 1-249-417-11 | CARBON 1K | 5% 1/4W | R5107 | 1-249-417-11 | CARBON 1K | 5% 1/4W |
| R5034 | 1-249-429-11 | CARBON 10K | 5% 1/4W | R5108 | 1-249-417-11 | CARBON 1K | 5% 1/4W |
| R5035 | 1-249-429-11 | CARBON 10K | 5% 1/4W | R5109 | 1-214-808-11 | METAL 4.7 | 1% 1/2W |
| R5039 | 1-249-429-11 | CARBON 10K | 5% 1/4W | R5110 | 1-214-808-11 | METAL 4.7 | 1% 1/2W |
| R5040 | 1-249-417-11 | CARBON 1K | 5% 1/4W | R5111 | 1-214-808-11 | METAL 4.7 | 1% 1/2W |
| R5042 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W | R5112 | 1-214-808-11 | METAL 4.7 | 1% 1/2W |



| REF. NO. | PART NO. | DESCRIPTION | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | REMARK | | |
|----------|--------------|-------------|------|--------|----------|----------|--------------|-------------|--------|----|-------|
| R5113 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5191 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R5114 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5192 | 1-215-429-00 | METAL | 2.2K | 1% | 1/4W |
| R5117 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5193 | 1-215-465-00 | METAL | 68K | 1% | 1/4W |
| R5118 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | | | | | | |
| R5121 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5194 | 1-215-425-00 | METAL | 1.5K | 1% | 1/4W |
| | | | | | | R5195 | 1-215-449-00 | METAL | 15K | 1% | 1/4W |
| R5122 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5196 | 1-215-445-00 | METAL | 10K | 1% | 1/4W |
| R5123 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5197 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R5124 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5200 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R5127 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | | | | | | |
| R5128 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5203 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W |
| | | | | | | R5204 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R5129 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5205 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R5130 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5207 | 1-216-375-00 | METAL OXIDE | 3.3 | 5% | 2W |
| R5131 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5208 | 1-216-375-00 | METAL OXIDE | 3.3 | 5% | 2W |
| R5132 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | | | | | | |
| R5133 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5214 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| | | | | | | R5215 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R5134 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5216 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W |
| R5135 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5217 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R5136 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5218 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R5137 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | | | | | | |
| R5138 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R8001 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| | | | | | | R8002 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R5143 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R8003 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| R5144 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R8004 | 1-260-328-11 | CARBON | 1K | 5% | 1/2W |
| R5145 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R8005 | 1-215-925-11 | METAL OXIDE | 22K | 5% | 3W |
| R5146 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | | | | | |
| R5147 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R8006 | 1-260-123-11 | CARBON | 100K | 5% | 1/2W |
| | | | | | | R8007 | 1-215-925-11 | METAL OXIDE | 22K | 5% | 3W |
| R5148 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R8008 | 1-216-059-00 | RES-CHIP | 2.7K | 5% | 1/10W |
| R5149 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R8009 | 1-216-435-11 | METAL OXIDE | 2.7K | 5% | 1W |
| R5150 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R8010 | 1-216-025-00 | RES-CHIP | 100 | 5% | 1/10W |
| R5151 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | | | | | |
| R5152 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R8011 | 1-216-065-00 | RES-CHIP | 4.7K | 5% | 1/10W |
| | | | | | | R8012 | 1-215-918-00 | METAL OXIDE | 1.5K | 5% | 3W |
| R5153 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R8013 | 1-216-065-00 | RES-CHIP | 4.7K | 5% | 1/10W |
| R5154 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R8014 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R5155 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | R8015 | 1-216-049-00 | RES-CHIP | 1K | 5% | 1/10W |
| R5156 | 1-215-425-00 | METAL | 1.5K | 1% | 1/4W | | | | | | |
| R5165 | 1-260-312-11 | CARBON | 47 | 5% | 1/2W | R8016 | 1-215-918-00 | METAL OXIDE | 1.5K | 5% | 3W |
| | | | | | | R8017 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R5166 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | R8018 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R5167 | 1-260-312-11 | CARBON | 47 | 5% | 1/2W | R8019 | 1-215-905-11 | METAL OXIDE | 10 | 5% | 3W |
| R5168 | 1-260-312-11 | CARBON | 47 | 5% | 1/2W | R8020 | 1-215-918-00 | METAL OXIDE | 1.5K | 5% | 3W |
| R5169 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | | | | | |
| R5170 | 1-215-471-00 | METAL | 120K | 1% | 1/4W | R8021 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| | | | | | | R8022 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R5171 | 1-215-449-00 | METAL | 15K | 1% | 1/4W | R8023 | 1-215-870-11 | METAL OXIDE | 1.5K | 5% | 1W |
| R5172 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | R8024 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W |
| R5173 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | R8026 | 1-215-902-11 | METAL OXIDE | 47K | 5% | 2W |
| R5174 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W | | | | | | |
| R5175 | 1-216-395-00 | METAL OXIDE | 3.3 | 5% | 3W | R8027 | 1-216-059-00 | RES-CHIP | 2.7K | 5% | 1/10W |
| | | | | | | R8028 | 1-216-089-00 | RES-CHIP | 47K | 5% | 1/10W |
| R5177 | 1-215-469-00 | METAL | 100K | 1% | 1/4W | R8030 | 1-215-902-11 | METAL OXIDE | 47K | 5% | 2W |
| R5179 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | R8031 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R5180 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | R8032 | 1-215-918-00 | METAL OXIDE | 1.5K | 5% | 3W |
| R5181 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W | | | | | | |
| R5182 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | R8033 | 1-215-902-11 | METAL OXIDE | 47K | 5% | 2W |
| | | | | | | R8034 | 1-215-918-00 | METAL OXIDE | 1.5K | 5% | 3W |
| R5183 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W | R8035 | 1-215-918-00 | METAL OXIDE | 1.5K | 5% | 3W |
| R5184 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | R8036 | 1-216-071-00 | RES-CHIP | 8.2K | 5% | 1/10W |
| R5186 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | R8037 | 1-216-085-00 | RES-CHIP | 33K | 5% | 1/10W |
| R5187 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | | | | | | |
| R5188 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R8038 | 1-216-374-00 | METAL OXIDE | 2.7 | 5% | 2W |
| | | | | | | R8039 | 1-216-375-00 | METAL OXIDE | 3.3 | 5% | 2W |
| R5189 | 1-215-421-00 | METAL | 1K | 1% | 1/4W | R8041 | 1-215-902-11 | METAL OXIDE | 47K | 5% | 2W |
| R5190 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W | R8044 | 1-216-049-00 | RES-CHIP | 1K | 5% | 1/10W |



• The components identified by **■** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque **△** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

The components identified by shading and mark **△** are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|----------------|-----------|--------------|-------------|-----------------|
| R8046 | 1-216-025-00 | RES-CHIP | 100 5% 1/10W | R8125 | 1-208-822-11 | METAL CHIP | 47K 0.5% 1/10W |
| R8049 | 1-216-049-00 | RES-CHIP | 1K 5% 1/10W | R8126 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W |
| R8050 | 1-260-117-11 | CARBON | 33K 5% 1/2W | R8127 | 1-216-037-00 | RES-CHIP | 330 5% 1/10W |
| R8051 | 1-216-025-00 | RES-CHIP | 100 5% 1/10W | R8128 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R8055 | 1-260-087-11 | CARBON | 100 5% 1/2W | R8129 | 1-208-822-11 | METAL CHIP | 47K 0.5% 1/10W |
| R8057 | 1-216-045-00 | RES-CHIP | 680 5% 1/10W | R8132 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W |
| R8058 | 1-216-077-91 | RES-CHIP | 15K 5% 1/10W | R8133 | 1-208-832-11 | METAL CHIP | 120K 0.5% 1/10W |
| R8059 | 1-216-069-00 | RES-CHIP | 6.8K 5% 1/10W | R8134 | 1-208-834-11 | METAL CHIP | 150K 0.5% 1/10W |
| R8060 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R8135 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R8064 | 1-216-377-11 | METAL OXIDE | 4.7 5% 2W | R8136 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R8067 | 1-216-059-00 | RES-CHIP | 2.7K 5% 1/10W | R8137 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W |
| R8069 | 1-216-445-11 | METAL OXIDE | 12 5% 2W | R8138 | 1-216-025-00 | RES-CHIP | 100 5% 1/10W |
| R8070 | 1-260-316-51 | CARBON | 100 5% 1/2W | R8139 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R8071 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R8140 | 1-208-822-11 | METAL CHIP | 47K 0.5% 1/10W |
| R8074 | 1-216-059-00 | RES-CHIP | 2.7K 5% 1/10W | R8154 | 1-216-043-91 | RES-CHIP | 560 5% 1/10W |
| R8075 | 1-260-316-51 | CARBON | 100 5% 1/2W | R8155 | 1-216-049-00 | RES-CHIP | 1K 5% 1/10W |
| R8076 | 1-216-105-91 | RES-CHIP | 220K 5% 1/10W | R8156 | 1-214-745-00 | METAL | 4.7K 1% 1/4W |
| R8077 | 1-216-091-00 | RES-CHIP | 56K 5% 1/10W | R8157 | 1-208-774-11 | METAL CHIP | 470 0.5% 1/10W |
| R8080 | 1-216-063-91 | RES-CHIP | 3.9K 5% 1/10W | R8160 | 1-214-747-00 | METAL | 5.6K 1% 1/4W |
| R8081 | 1-216-077-91 | RES-CHIP | 15K 5% 1/10W | R8161 | 1-215-423-00 | METAL | 1.2K 1% 1/4W |
| R8082 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R8162 | 1-214-757-00 | METAL | 15K 1% 1/4W |
| R8083 | 1-216-077-91 | RES-CHIP | 15K 5% 1/10W | R8163 | 1-214-757-00 | METAL | 15K 1% 1/4W |
| R8084 | 1-216-049-00 | RES-CHIP | 1K 5% 1/10W | R8164 | 1-214-757-00 | METAL | 15K 1% 1/4W |
| R8085 | 1-249-377-11 | CARBON | 0.47 5% 1/4W | R8165 | 1-214-757-00 | METAL | 15K 1% 1/4W |
| R8086 | 1-216-049-00 | RES-CHIP | 1K 5% 1/10W | R8166 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W |
| R8087 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R8167 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| R8091 | 1-216-067-00 | RES-CHIP | 5.6K 5% 1/10W | R8168 | 1-208-802-11 | METAL CHIP | 6.8K 0.5% 1/10W |
| R8092 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R8170 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R8093 | 1-216-049-00 | RES-CHIP | 1K 5% 1/10W | R8171 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| R8094 | 1-216-067-00 | RES-CHIP | 5.6K 5% 1/10W | R8172 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R8095 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W | R8173 | 1-208-812-11 | METAL CHIP | 18K 0.5% 1/10W |
| R8096 | 1-216-045-00 | RES-CHIP | 680 5% 1/10W | R8174 | 1-216-025-00 | RES-CHIP | 100 5% 1/10W |
| R8097 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W | R8175 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R8099 | 1-216-059-00 | RES-CHIP | 2.7K 5% 1/10W | R8176 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| R8101 | 1-216-055-00 | RES-CHIP | 1.8K 5% 1/10W | R8177 | 1-216-462-00 | METAL OXIDE | 8.2K 5% 2W |
| R8102 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R8178 | 1-215-897-11 | METAL OXIDE | 6.8K 5% 2W |
| R8103 | 1-216-053-00 | RES-CHIP | 1.5K 5% 1/10W | R8181 | 1-215-900-11 | METAL OXIDE | 22K 5% 2W |
| R8105 | 1-216-689-11 | RES-CHIP | 39K 5% 1/10W | R8182 | 1-215-901-00 | METAL OXIDE | 33K 5% 2W |
| R8106 | 1-216-089-00 | RES-CHIP | 47K 5% 1/10W | R8183 | 1-260-292-11 | CARBON | 1 5% 1/2W |
| R8107 | 1-216-053-00 | RES-CHIP | 1.5K 5% 1/10W | R8186 | 1-216-037-00 | RES-CHIP | 330 5% 1/10W |
| R8108 | 1-216-055-00 | RES-CHIP | 1.8K 5% 1/10W | R8187 | 1-215-901-00 | METAL OXIDE | 33K 5% 2W |
| R8109 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W | R8188 | 1-216-466-71 | METAL OXIDE | 39K 5% 2W |
| R8110 | 1-208-810-11 | METAL CHIP | 15K 0.5% 1/10W | R8189 | 1-260-117-11 | CARBON | 33K 5% 1/2W |
| R8111 | 1-208-774-11 | METAL CHIP | 470 0.5% 1/10W | R8190 | 1-208-798-11 | METAL CHIP | 4.7K 0.5% 1/10W |
| R8112 | 1-216-077-91 | RES-CHIP | 15K 5% 1/10W | R8191 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W |
| R8113 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | R8192 | 1-208-802-11 | METAL CHIP | 6.8K 0.5% 1/10W |
| R8114 | 1-216-025-00 | RES-CHIP | 100 5% 1/10W | R8193 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W |
| R8115 | 1-216-089-00 | RES-CHIP | 47K 5% 1/10W | ■ R8194 △ | CARBON | 1/4W | |
| R8116 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | R8195 | 1-208-814-91 | METAL CHIP | 22K 0.5% 1/10W |
| R8117 | 1-208-806-11 | METAL CHIP | 10K 0.5% 1/10W | ■ R8196 △ | CARBON | 1/4W | |
| R8118 | 1-216-053-00 | RES-CHIP | 1.5K 5% 1/10W | R8197 | 1-260-087-11 | CARBON | 100 5% 1/2W |
| R8119 | 1-208-774-11 | METAL CHIP | 470 0.5% 1/10W | R8198 | 1-214-769-00 | METAL | 47K 1% 1/4W |
| R8120 | 1-216-049-00 | RES-CHIP | 1K 5% 1/10W | R8199 | 1-260-288-11 | CARBON | 0.47 5% 1/2W |
| R8121 | 1-249-377-11 | CARBON | 0.47 5% 1/4W | R8200 | 1-260-127-11 | CARBON | 220K 5% 1/2W |
| R8122 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | ■ R8201 △ | METAL | 1/4W | |
| R8123 | 1-208-822-11 | METAL CHIP | 47K 0.5% 1/10W | ■ R8202 △ | METAL | 1/4W | |
| | | | | R8203 | 1-208-826-11 | METAL CHIP | 68K 0.5% 1/10W |

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------------|--------------|-------------------------------|----------------------|----------|--------------|--|---------------|
| R8204 | 1-208-832-11 | METAL CHIP | 120K 0.5% 1/10W | D3502 | 8-719-073-01 | DIODE MA111-TX | |
| R8208 | 1-260-087-11 | CARBON | 100 5% 1/2W | D3503 | 8-719-158-15 | DIODE UDZ-TE-17-5.6B | |
| R8213 | 1-249-413-11 | CARBON | 470 5% 1/4W | D3504 | 8-719-158-15 | DIODE UDZ-TE-17-5.6B | |
| R8214 | 1-216-379-11 | METAL OXIDE | 6.8 5% 2W | D3505 | 8-719-977-28 | DIODE UDZ-TE-17-10B | |
| R8215 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | D3506 | 8-719-977-28 | DIODE UDZ-TE-17-10B | |
| R8216 | 1-216-093-91 | RES-CHIP | 68K 5% 1/10W | D3507 | 8-719-977-28 | DIODE UDZ-TE-17-10B | |
| R8217 | 1-216-079-00 | RES-CHIP | 18K 5% 1/10W | D3508 | 8-719-977-28 | DIODE UDZ-TE-17-10B | |
| R8218 | 1-216-067-00 | RES-CHIP | 5.6K 5% 1/10W | | | <JACK> | |
| R8219 | 1-216-067-00 | RES-CHIP | 5.6K 5% 1/10W | J3501 | 1-764-143-11 | JACK 3P (CONTROL S IN) | |
| R8220 | 1-216-079-00 | RES-CHIP | 18K 5% 1/10W | J3502 | 1-764-143-11 | JACK 3P (CONTROL S OUT) | |
| R8221 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W | J3503 | 1-793-795-11 | JACK BLOCK, PIN 2P (VIDEO 5 (DTV) HD/VD) | |
| R8222 | 1-216-093-91 | RES-CHIP | 68K 5% 1/10W | | | <TRANSISTOR> | |
| R8223 | 1-216-079-00 | RES-CHIP | 18K 5% 1/10W | Q3501 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| R8224 | 1-216-067-00 | RES-CHIP | 5.6K 5% 1/10W | Q3502 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| R8225 | 1-260-087-11 | CARBON | 100 5% 1/2W | Q3503 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| R8227 | 1-216-067-00 | RES-CHIP | 5.6K 5% 1/10W | Q3504 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | |
| R8228 | 1-216-067-00 | RES-CHIP | 5.6K 5% 1/10W | Q3505 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| R8229 | 1-216-093-91 | RES-CHIP | 68K 5% 1/10W | Q3506 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| R8230 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | Q3507 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | |
| | | <SPARK GAP> | | | | <RESISTOR> | |
| SG8002 | 1-519-422-11 | GAP, SPARK | | R3501 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| | | <TRANSFORMER> | | R3502 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| T5001 | 1-437-209-11 | TRANSFORMER, HORIZONTAL DRIVE | | R3503 | 1-216-009-91 | RES-CHIP | 22 5% 1/10W |
| T5002 | 1-431-966-11 | TRANSFORMER, FERRITE (HOT) | | R3504 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| T8001 Δ | 1-437-209-11 | TRANSFORMER, HORIZONTAL DRIVE | | R3505 | 1-216-009-91 | RES-CHIP | 22 5% 1/10W |
| T8002 Δ | 1-431-955-11 | TRANSFORMER, FERRITE (LOT) | | R3507 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| T8003 Δ | 1-453-285-11 | FBT ASSY NX-4007//J1P4 | | R3508 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| | | <THERMISTOR> | | R3510 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| TH5001 | 1-800-193-00 | THERMISTOR | | R3511 | 1-216-295-91 | SHORT | 0 |
| | | <CAPACITOR> | | R3512 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| | | <CONNECTOR> | | R3513 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| | | <DIODE> | | R3514 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| C3501 | 1-164-489-11 | CERAMIC CHIP | 0.22 μ F 10% 16V | R3515 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| C3502 | 1-163-038-91 | CERAMIC CHIP | 0.1 μ F 25V | R3516 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| C3504 | 1-107-823-11 | CERAMIC CHIP | 0.47 μ F 10% 16V | R3517 | 1-216-057-00 | RES-CHIP | 2.2K 5% 1/10W |
| C3505 | 1-107-823-11 | CERAMIC CHIP | 0.47 μ F 10% 16V | R3518 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| CN3501* | 1-564-522-11 | PLUG, CONNECTOR 7P | | | | <CAPACITOR> | |
| D3501 | 8-719-073-01 | DIODE MA111-TX | | | | <DIODE> | |

* A-1373-794-A U BOARD, COMPLETE

* A-1316-513-A G BOARD, COMPLETE

1-533-223-11 CLIP, FUSE
4-382-854-11 SCREW (M3X10), P, SW (+)



Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|--------------|-----------------|
| C6004 | 1-119-906-51 | CERAMIC | 2200pF 20% 250V |
| C6006 | 1-161-964-91 | CERAMIC | 0.0047μF 250V |
| C6007 | 1-161-964-91 | CERAMIC | 0.0047μF 250V |
| C6008 Δ | 1-104-350-11 | ELECT(BLOCK) | 1000μF 20% 250V |
| C6009 | 1-107-671-91 | ELECT | 22μF 20% 400V |
| C6010 Δ | 1-104-350-11 | ELECT(BLOCK) | 1000μF 20% 250V |
| C6012 | 1-126-968-11 | ELECT | 100μF 20% 50V |
| C6013 | 1-126-964-11 | ELECT | 10μF 20% 50V |
| C6014 | 1-104-664-11 | ELECT | 47μF 20% 25V |
| C6015 | 1-137-605-11 | MYLAR | 0.01μF 10% 250V |
| C6016 | 1-126-961-11 | ELECT | 2.2μF 20% 50V |
| C6017 | 1-126-968-11 | ELECT | 100μF 20% 50V |
| C6018 | 1-102-112-00 | CERAMIC | 330pF 10% 50V |
| C6019 | 1-102-112-00 | CERAMIC | 330pF 10% 50V |
| C6020 | 1-136-165-00 | MYLAR | 0.1μF 5% 50V |
| C6021 | 1-126-960-11 | ELECT | 1μF 20% 50V |
| C6022 | 1-137-219-11 | FILM | 0.015μF 5% 0V |
| C6023 | 1-115-405-11 | FILM | 0.039μF 3% 1KV |
| C6025 | 1-125-969-91 | CERAMIC | 680pF 10% 1KV |
| C6026 | 1-125-969-91 | CERAMIC | 680pF 10% 1KV |
| C6027 | 1-126-964-11 | ELECT | 10μF 20% 50V |
| C6028 | 1-136-479-11 | FILM | 0.001μF 2% 50V |
| C6029 | 1-102-112-00 | CERAMIC | 330pF 10% 50V |
| C6030 | 1-102-112-00 | CERAMIC | 330pF 10% 50V |
| C6031 | 1-126-960-11 | ELECT | 1μF 20% 50V |
| C6032 | 1-136-165-00 | MYLAR | 0.1μF 5% 50V |
| C6033 | 1-125-969-91 | CERAMIC | 680pF 10% 1KV |
| C6034 | 1-125-969-91 | CERAMIC | 680pF 10% 1KV |
| C6035 | 1-126-964-11 | ELECT | 10μF 20% 50V |
| C6036 | 1-136-165-00 | MYLAR | 0.1μF 5% 50V |
| C6037 | 1-126-964-11 | ELECT | 10μF 20% 50V |
| C6102 | 1-104-665-11 | ELECT | 100μF 20% 25V |
| C6103 | 1-104-664-11 | ELECT | 47μF 20% 25V |
| C6104 | 1-101-810-00 | CERAMIC | 100pF 5% 500V |
| C6105 | 1-101-810-00 | CERAMIC | 100pF 5% 500V |
| C6108 | 1-104-664-11 | ELECT | 47μF 20% 25V |
| C6113 | 1-107-639-11 | ELECT | 47μF 20% 160V |
| C6114 | 1-107-641-11 | ELECT | 220μF 20% 160V |
| C6115 | 1-104-665-11 | ELECT | 100μF 20% 25V |
| C6116 | 1-126-968-11 | ELECT | 100μF 20% 50V |
| C6117 | 1-128-546-11 | ELECT | 10000μF 20% 10V |
| C6118 | 1-126-943-11 | ELECT | 2200μF 20% 25V |
| C6119 | 1-126-943-11 | ELECT | 2200μF 20% 25V |
| C6120 | 1-128-549-11 | ELECT | 3300μF 20% 35V |
| C6121 | 1-128-549-11 | ELECT | 3300μF 20% 35V |
| C6122 | 1-126-943-11 | ELECT | 2200μF 20% 25V |
| C6123 | 1-107-641-11 | ELECT | 220μF 20% 160V |
| C6124 | 1-128-549-11 | ELECT | 3300μF 20% 35V |
| C6125 | 1-128-549-11 | ELECT | 3300μF 20% 35V |
| C6126 | 1-104-665-11 | ELECT | 100μF 20% 25V |
| C6127 | 1-107-639-11 | ELECT | 47μF 20% 160V |
| C6128 | 1-128-549-11 | ELECT | 3300μF 20% 35V |
| C6129 | 1-128-549-11 | ELECT | 3300μF 20% 35V |
| C6131 | 1-104-665-11 | ELECT | 100μF 20% 25V |
| C6132 | 1-104-665-11 | ELECT | 100μF 20% 25V |
| C6133 | 1-104-665-11 | ELECT | 100μF 20% 25V |
| C6134 | 1-126-968-11 | ELECT | 100μF 20% 50V |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|-------------|--------------|------------------------------|-----------------|
| C6135 | 1-126-968-11 | ELECT | 100μF 20% 50V |
| C6137 | 1-104-666-11 | ELECT | 220μF 20% 25V |
| C6140 | 1-104-665-11 | ELECT | 100μF 20% 25V |
| C6145 | 1-126-918-11 | ELECT | 4700μF 20% 6.3V |
| C6150 | 1-136-165-00 | MYLAR | 0.1μF 5% 50V |
| C6155 | 1-102-129-00 | CERAMIC | 0.01μF 10% 50V |
| C6156 | 1-102-050-00 | CERAMIC | 0.01μF 99% 500V |
| C6157 | 1-102-129-00 | CERAMIC | 0.01μF 10% 50V |
| C6158 | 1-102-129-00 | CERAMIC | 0.01μF 10% 50V |
| C6159 | 1-102-129-00 | CERAMIC | 0.01μF 10% 50V |
| C6160 | 1-102-129-00 | CERAMIC | 0.01μF 10% 50V |
| <CONNECTOR> | | | |
| CN6004* | 1-580-843-11 | PIN, CONNECTOR (POWER) | |
| CN6101* | 1-564-510-11 | PLUG, CONNECTOR 7P | |
| CN6102* | 1-691-757-11 | PIN, CONNECTOR (PC BOARD) 8P | |
| CN6103 | 1-695-915-11 | TAB (CONTACT) | |
| CN6104* | 1-564-512-11 | PLUG, CONNECTOR 9P | |
| CN6105* | 1-564-509-11 | PLUG, CONNECTOR 6P | |
| CN6106* | 1-573-964-11 | PIN, CONNECTOR (PC BOARD) 6P | |
| CN6107 | 1-695-915-11 | TAB (CONTACT) | |
| CN6108 | 1-695-915-11 | TAB (CONTACT) | |
| <DIODE> | | | |
| D6001 | 8-719-068-00 | DIODE ERC04-06SE | |
| D6002 Δ | 8-719-033-58 | DIODE RBV-1506 | |
| D6003 | 8-719-068-00 | DIODE ERC04-06SE | |
| D6004 | 8-719-110-31 | DIODE MTZJ-T-77-12B | |
| D6005 | 8-719-979-64 | DIODE μF4005PKG23 | |
| D6006 | 8-719-059-23 | DIODE P6KE200AG23 | |
| D6007 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6009 | 8-719-982-26 | DIODE MTZJ-T-77-33B | |
| D6010 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6011 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | |
| D6012 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6013 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6014 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6015 | 8-719-063-73 | DIODE D1NL20U-TR | |
| D6016 | 8-719-979-64 | DIODE μF4005PKG23 | |
| D6017 | 8-719-110-53 | DIODE MTZJ-T-77-20C | |
| D6018 | 8-719-979-64 | DIODE μF4005PKG23 | |
| D6019 | 8-719-110-53 | DIODE MTZJ-T-77-20C | |
| D6020 | 8-719-210-53 | DIODE 11ES4-TA1B | |
| D6021 | 8-719-110-53 | DIODE MTZJ-T-77-20C | |
| D6022 | 8-719-110-53 | DIODE MTZJ-T-77-20C | |
| D6023 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6024 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6025 | 8-719-979-64 | DIODE μF4005PKG23 | |
| D6026 | 8-719-110-53 | DIODE MTZJ-T-77-20C | |
| D6027 | 8-719-979-64 | DIODE μF4005PKG23 | |
| D6028 | 8-719-110-53 | DIODE MTZJ-T-77-20C | |
| D6029 | 8-719-110-53 | DIODE MTZJ-T-77-20C | |
| D6030 | 8-719-110-53 | DIODE MTZJ-T-77-20C | |
| D6031 | 8-719-210-53 | DIODE 11ES4-TA1B | |
| D6032 | 8-719-979-64 | DIODE μF4005PKG23 | |

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------|--------------|--------------------------|-------------------|----------|--------------|-------------|-------------------|
| D6033 | 8-719-991-33 | DIODE | 1SS133T-77 | IC6104 | 8-759-450-47 | IC | BA05T |
| D6034 | 8-719-991-33 | DIODE | 1SS133T-77 | IC6301 | 8-759-198-31 | IC | μ PC1093J-1-T |
| D6035 | 8-719-110-31 | DIODE | MTZJ-T-77-12B | | | | |
| D6101 | 8-719-210-53 | DIODE | 11ES4-TA1B | | | | |
| D6102 | 8-719-057-96 | DIODE | D10SC6M-4012 | | | | |
| D6103 | 8-719-052-90 | DIODE | D1NL40-TR2 | | | | |
| D6104 | 8-719-031-78 | DIODE | S2L40F | | | | |
| D6105 | 8-719-052-91 | DIODE | D4SBS4-F | | | | |
| D6106 | 8-719-052-90 | DIODE | D1NL40-TR2 | | | | |
| D6107 | 8-719-031-78 | DIODE | S2L40F | | | | |
| D6108 | 8-719-057-96 | DIODE | D10SC6M-4012 | | | | |
| D6109 | 8-719-049-92 | DIODE | SF10SC3L | | | | |
| D6110 | 8-719-982-27 | DIODE | MTZJ-T-77-33C | | | | |
| D6111 | 8-719-991-33 | DIODE | 1SS133T-77 | | | | |
| D6112 | 8-719-991-33 | DIODE | 1SS133T-77 | | | | |
| D6113 | 8-719-991-33 | DIODE | 1SS133T-77 | | | | |
| D6114 | 8-719-072-30 | DIODE | D25SC6MRF04 | | | | |
| D6116 | 8-719-072-29 | DIODE | D25SC6MF04 | | | | |
| D6117 | 8-719-988-31 | DIODE | D10SC6MR | | | | |
| D6119 | 8-719-110-31 | DIODE | MTZJ-T-77-12B | | | | |
| D6120 | 8-719-063-73 | DIODE | D1NL20U-TR | | | | |
| D6121 | 8-719-921-63 | DIODE | MTZJ-T-77-7.5B | | | | |
| D6122 | 8-719-991-33 | DIODE | 1SS133T-77 | | | | |
| D6123 | 8-719-991-33 | DIODE | 1SS133T-77 | | | | |
| D6124 | 8-719-991-33 | DIODE | 1SS133T-77 | | | | |
| D6125 | 8-719-991-33 | DIODE | 1SS133T-77 | | | | |
| | | <FUSE> | | | | | |
| F6001 Δ | 1-576-048-11 | FUSE, GLASS TUBE | 10A/125V | | | | |
| F6002 Δ | 1-533-759-11 | FUSE | 6.3A/125V | | | | |
| F6105 Δ | 1-533-790-31 | LINK, IC | 5A | | | | |
| F6106 Δ | 1-533-790-31 | LINK, IC | 5A | | | | |
| | | <FERRITE BEAD> | | | | | |
| FB6001 | 1-410-397-21 | FERRITE | 1.1 μ H | | | | |
| FB6002 | 1-410-397-21 | FERRITE | 1.1 μ H | | | | |
| FB6003 | 1-410-397-21 | FERRITE | 1.1 μ H | | | | |
| FB6004 | 1-410-397-21 | FERRITE | 1.1 μ H | | | | |
| FB6005 | 1-410-397-21 | FERRITE | 1.1 μ H | | | | |
| FB6006 | 1-410-397-21 | FERRITE | 1.1 μ H | | | | |
| FB6007 | 1-410-397-21 | FERRITE | 1.1 μ H | | | | |
| FB6008 | 1-410-397-21 | FERRITE | 1.1 μ H | | | | |
| FB6101 | 1-410-397-21 | FERRITE | 1.1 μ H | | | | |
| FB6102 | 1-410-397-21 | FERRITE | 1.1 μ H | | | | |
| | | <IC> | | | | | |
| IC6001 | 8-759-468-89 | IC | TOP209P | | | | |
| IC6002 | 8-759-185-47 | IC | IR2112 | | | | |
| IC6003 | 8-759-077-25 | IC | IR3M02 | | | | |
| IC6004 | 8-759-185-47 | IC | IR2112 | | | | |
| IC6005 Δ | 8-749-010-64 | PHOTO COUPLER | PC123FY2 | | | | |
| IC6011 Δ | 8-749-010-64 | PHOTO COUPLER | PC123FY2 | | | | |
| IC6101 | 8-749-920-61 | IC | SE135N-LF12 | | | | |
| IC6102 | 8-759-103-93 | IC | μ PC393C | | | | |
| IC6103 | 8-759-198-31 | IC | μ PC1093J-1-T | | | | |
| | | <COIL> | | | | | |
| L6001 Δ | 1-431-116-11 | TRANSFORMER, LINE FILTER | | | | | |
| L6002 Δ | 1-431-116-11 | TRANSFORMER, LINE FILTER | | | | | |
| L6103 | 1-412-523-25 | INDUCTOR | 6.8 μ H | | | | |
| L6104 | 1-412-523-25 | INDUCTOR | 6.8 μ H | | | | |
| L6105 | 1-412-525-31 | INDUCTOR | 10 μ H | | | | |
| L6106 | 1-412-525-31 | INDUCTOR | 10 μ H | | | | |
| L6107 | 1-406-659-11 | INDUCTOR | 10 μ H | | | | |
| L6108 | 1-412-525-31 | INDUCTOR | 10 μ H | | | | |
| L6109 | 1-412-525-31 | INDUCTOR | 10 μ H | | | | |
| L6110 | 1-412-525-31 | INDUCTOR | 10 μ H | | | | |
| L6111 | 1-412-525-31 | INDUCTOR | 10 μ H | | | | |
| L6112 | 1-412-525-31 | INDUCTOR | 10 μ H | | | | |
| | | <IC LINK> | | | | | |
| PS6101 Δ | 1-533-597-31 | LINK, IC | 5A | | | | |
| PS6102 Δ | 1-533-597-31 | LINK, IC | 5A | | | | |
| PS6103 Δ | 1-533-790-31 | LINK, IC | 7A | | | | |
| PS6104 Δ | 1-533-790-31 | LINK, IC | 7A | | | | |
| | | <TRANSISTOR> | | | | | |
| Q6001 | 8-729-423-33 | TRANSISTOR | 2SC3311A-QRSTA | | | | |
| Q6002 | 8-729-423-33 | TRANSISTOR | 2SC3311A-QRSTA | | | | |
| Q6003 | 8-729-423-33 | TRANSISTOR | 2SC3311A-QRSTA | | | | |
| Q6004 | 8-729-423-33 | TRANSISTOR | 2SC3311A-QRSTA | | | | |
| Q6005 | 8-729-119-76 | TRANSISTOR | 2SA1309A-QRSTA | | | | |
| Q6006 | 8-729-119-76 | TRANSISTOR | 2SA1309A-QRSTA | | | | |
| Q6007 | 8-729-044-42 | TRANSISTOR | IRFI644G-LF36 | | | | |
| Q6008 | 8-729-044-42 | TRANSISTOR | IRFI644G-LF36 | | | | |
| Q6009 | 8-729-044-42 | TRANSISTOR | IRFI644G-LF36 | | | | |
| Q6010 | 8-729-044-42 | TRANSISTOR | IRFI644G-LF36 | | | | |
| Q6011 | 8-729-140-97 | TRANSISTOR | 2SB734-T-2 | | | | |
| Q6012 | 8-729-119-76 | TRANSISTOR | 2SA1309A-QRSTA | | | | |
| Q6013 | 8-729-423-33 | TRANSISTOR | 2SC3311A-QRSTA | | | | |
| Q6101 | 8-729-119-76 | TRANSISTOR | 2SA1309A-QRSTA | | | | |
| Q6102 | 8-729-119-76 | TRANSISTOR | 2SA1309A-QRSTA | | | | |
| Q6103 | 8-729-423-33 | TRANSISTOR | 2SC3311A-QRSTA | | | | |
| Q6104 | 8-729-423-33 | TRANSISTOR | 2SC3311A-QRSTA | | | | |
| Q6106 | 8-729-119-76 | TRANSISTOR | 2SA1309A-QRSTA | | | | |
| | | <RESISTOR> | | | | | |
| R6001 Δ | 1-219-776-11 | CARBON | 2.2M 10% 1/2W | | | | |
| R6002 | 1-219-759-11 | CARBON | 1M 5% 1/2W | | | | |
| R6004 | 1-260-131-11 | CARBON | 470K 5% 1/2W | | | | |
| R6005 | 1-249-401-11 | CARBON | 47 5% 1/4W | | | | |
| R6006 Δ | 1-260-127-11 | CARBON | 220K 5% 1/2W | | | | |
| R6007 | 1-249-437-11 | CARBON | 47K 5% 1/4W | | | | |
| R6008 | 1-260-127-11 | CARBON | 220K 5% 1/2W | | | | |
| R6010 | 1-205-997-11 | CEMENTED | 2.2 5% 10W | | | | |
| R6011 | 1-249-437-11 | CARBON | 47K 5% 1/4W | | | | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|--------------|------------------|----------|--------------|---------------------------|-----------------|
| C2021 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | C2087 | 1-126-961-11 | ELECT | 2.2μF 20% 50V |
| C2022 | 1-104-664-11 | ELECT | 47μF 20% 25V | C2089 | 1-130-495-00 | MYLAR | 0.1μF 5% 50V |
| C2023 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | C2090 | 1-130-495-00 | MYLAR | 0.1μF 5% 50V |
| C2025 | 1-104-665-11 | ELECT | 100μF 20% 25V | C2091 | 1-130-495-00 | MYLAR | 0.1μF 5% 50V |
| C2028 | 1-164-690-91 | CERAMIC CHIP | 0.0022μF 5% 50V | C2092 | 1-130-495-00 | MYLAR | 0.1μF 5% 50V |
| C2029 | 1-126-963-11 | ELECT | 4.7μF 20% 50V | C2093 | 1-126-961-11 | ELECT | 2.2μF 20% 50V |
| C2030 | 1-163-133-00 | CERAMIC CHIP | 470pF 5% 50V | C2095 | 1-164-690-91 | CERAMIC CHIP | 0.0022μF 5% 50V |
| C2031 | 1-104-664-11 | ELECT | 47μF 20% 25V | C2096 | 1-130-495-00 | MYLAR | 0.1μF 5% 50V |
| C2032 | 1-126-933-11 | ELECT | 100μF 20% 16V | C2097 | 1-130-495-00 | MYLAR | 0.1μF 5% 50V |
| C2033 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | C2098 | 1-130-495-00 | MYLAR | 0.1μF 5% 50V |
| C2034 | 1-104-664-11 | ELECT | 47μF 20% 25V | C2099 | 1-130-495-00 | MYLAR | 0.1μF 5% 50V |
| C2035 | 1-164-690-91 | CERAMIC CHIP | 0.0022μF 5% 50V | | | <CONNECTOR> | |
| C2036 | 1-126-963-11 | ELECT | 4.7μF 20% 50V | CN2002* | 1-691-135-11 | PIN, CONNECTOR (PC BOARD) | 4P |
| C2037 | 1-126-964-11 | ELECT | 10μF 20% 50V | CN2003* | 1-564-513-11 | PLUG, CONNECTOR | 10P |
| C2038 | 1-126-964-11 | ELECT | 10μF 20% 50V | CN2004* | 1-564-510-11 | PLUG, CONNECTOR | 7P |
| C2039 | 1-126-960-11 | ELECT | 1μF 20% 50V | CN2005* | 1-691-757-11 | PIN, CONNECTOR (PC BOARD) | 8P |
| C2040 | 1-126-960-11 | ELECT | 1μF 20% 50V | | | <DIODE> | |
| C2041 | 1-104-664-11 | ELECT | 47μF 20% 25V | D2001 | 8-719-400-75 | DIODE | MA3091-TX |
| C2045 | 1-126-965-11 | ELECT | 22μF 20% 50V | D2002 | 8-719-400-75 | DIODE | MA3091-TX |
| C2046 | 1-104-664-11 | ELECT | 47μF 20% 25V | D2003 | 8-719-400-75 | DIODE | MA3091-TX |
| C2047 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | D2004 | 8-719-400-75 | DIODE | MA3091-TX |
| C2049 | 1-163-227-11 | CERAMIC CHIP | 10pF 0.50pF50V | D2008 | 8-719-073-01 | DIODE | MA1111-TX |
| C2050 | 1-163-091-00 | CERAMIC CHIP | 8pF 0.25pF50V | D2009 | 8-719-073-01 | DIODE | MA1111-TX |
| C2051 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | D2010 | 8-719-073-01 | DIODE | MA1111-TX |
| C2052 | 1-104-664-11 | ELECT | 47μF 20% 25V | D2012 | 8-719-073-01 | DIODE | MA1111-TX |
| C2053 | 1-104-664-11 | ELECT | 47μF 20% 25V | D2013 | 8-719-073-01 | DIODE | MA1111-TX |
| C2054 | 1-126-935-11 | ELECT | 470μF 20% 16V | D2014 | 8-719-073-01 | DIODE | MA1111-TX |
| C2055 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | D2017 | 8-719-073-01 | DIODE | MA1111-TX |
| C2056 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | D2019 | 8-719-988-61 | DIODE | ISS355TE-17 |
| C2057 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | D2020 | 8-719-073-01 | DIODE | MA1111-TX |
| C2058 | 1-163-133-00 | CERAMIC CHIP | 470pF 5% 50V | D2021 | 8-719-073-01 | DIODE | MA1111-TX |
| C2059 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | D2022 | 8-719-073-01 | DIODE | MA1111-TX |
| C2060 | 1-126-933-11 | ELECT | 100μF 20% 16V | D2023 | 8-719-073-01 | DIODE | MA1111-TX |
| C2062 | 1-164-690-91 | CERAMIC CHIP | 0.0022μF 5% 50V | D2024 | 8-719-988-61 | DIODE | ISS355TE-17 |
| C2063 | 1-164-690-91 | CERAMIC CHIP | 0.0022μF 5% 50V | D2025 | 8-719-400-75 | DIODE | MA3091-TX |
| C2064 | 1-126-964-11 | ELECT | 10μF 20% 50V | D2026 | 8-719-400-75 | DIODE | MA3091-TX |
| C2065 | 1-126-964-11 | ELECT | 10μF 20% 50V | D2027 | 8-719-400-75 | DIODE | MA3091-TX |
| C2066 | 1-104-664-11 | ELECT | 47μF 20% 25V | D2028 | 8-719-400-75 | DIODE | MA3091-TX |
| C2067 | 1-164-161-11 | CERAMIC CHIP | 0.0022μF 10% 50V | D2029 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2068 | 1-104-664-11 | ELECT | 47μF 20% 25V | D2030 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2069 | 1-164-161-11 | CERAMIC CHIP | 0.0022μF 10% 50V | D2031 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2070 | 1-130-495-00 | MYLAR | 0.1μF 5% 50V | D2032 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2071 | 1-128-549-11 | ELECT | 3300μF 20% 35V | D2033 | 8-719-977-28 | DIODE | UDZS-TE17-10B |
| C2072 | 1-130-495-00 | MYLAR | 0.1μF 5% 50V | D2034 | 8-719-977-28 | DIODE | UDZS-TE17-10B |
| C2073 | 1-104-664-11 | ELECT | 47μF 20% 25V | D2050 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2074 | 1-164-161-11 | CERAMIC CHIP | 0.0022μF 10% 50V | D2051 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2075 | 1-104-664-11 | ELECT | 47μF 20% 25V | D2052 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2076 | 1-164-161-11 | CERAMIC CHIP | 0.0022μF 10% 50V | D2053 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2077 | 1-128-549-11 | ELECT | 3300μF 20% 35V | D2054 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2078 | 1-104-664-11 | ELECT | 47μF 20% 25V | D2055 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2079 | 1-164-161-11 | CERAMIC CHIP | 0.0022μF 10% 50V | D2056 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2080 | 1-104-664-11 | ELECT | 47μF 20% 25V | D2057 | 8-719-402-92 | DIODE | MA3220M-TX |
| C2081 | 1-164-161-11 | CERAMIC CHIP | 0.0022μF 10% 50V | D2058 | 8-719-977-28 | DIODE | UDZS-TE17-10B |
| C2083 | 1-126-965-11 | ELECT | 22μF 20% 50V | | | | |
| C2084 | 1-104-664-11 | ELECT | 47μF 20% 25V | | | | |
| C2085 | 1-163-014-00 | CERAMIC CHIP | 0.0027μF 5% 50V | | | | |
| C2086 | 1-163-014-00 | CERAMIC CHIP | 0.0027μF 5% 50V | | | | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|--|---------------|----------|--------------|-------------|---------------|
| D2059 | 8-719-977-28 | DIODE UDZS-TE17-10B | | R2006 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| | | <FERRITE BEAD> | | R2007 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| FB2001 | 1-414-135-11 | FERRITE 0μH | | R2008 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| FB2002 | 1-414-551-11 | FERRITE 0μH | | R2009 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| FB2003 | 1-414-551-11 | FERRITE 0μH | | R2010 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W |
| FB2004 | 1-414-551-11 | FERRITE 0μH | | R2011 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W |
| | | <IC> | | R2012 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W |
| IC2001 | 8-759-634-51 | IC NJM4558D | | R2013 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W |
| IC2002 | 8-759-190-89 | IC TDA7265 | | R2014 | 1-216-689-11 | RES-CHIP | 39K 5% 1/10W |
| IC2003 | 8-759-352-91 | IC PST9143NL | | R2015 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| IC2004 | 8-759-544-72 | IC TDA7312 | | R2016 | 1-216-689-11 | RES-CHIP | 39K 5% 1/10W |
| IC2005 | 8-759-549-74 | IC TC9447F-003 | | R2017 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| IC2006 | 8-759-231-53 | IC MC7805CT | | R2018 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| IC2007 | 8-759-198-03 | IC PQ09RF21 | | R2019 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| IC2008 | 8-759-231-58 | IC MC7812CT | | R2020 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| IC2009 | 8-759-634-51 | IC NJM4558D | | R2021 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| | | <JACK> | | R2022 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| J2001 | 1-785-083-21 | JACK BLOCK, PIN 2P (AUDIO L (VAR/FIX)) | | R2023 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| J2002 | 1-785-083-11 | JACK BLOCK, PIN 2P (AUDIO R (VAR/FIX)) | | R2024 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| | | <COIL> | | R2025 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| L2003 | 1-414-175-11 | INDUCTOR 0.47μH | | R2026 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| | | <TRANSISTOR> | | R2027 | 1-216-077-91 | RES-CHIP | 15K 5% 1/10W |
| Q2001 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2028 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W |
| Q2002 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2029 | 1-216-077-91 | RES-CHIP | 15K 5% 1/10W |
| Q2003 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2030 | 1-216-083-00 | RES-CHIP | 27K 5% 1/10W |
| Q2004 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2031 | 1-216-083-00 | RES-CHIP | 27K 5% 1/10W |
| Q2005 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2032 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| Q2006 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2033 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| Q2007 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2034 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W |
| Q2008 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2035 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W |
| Q2009 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2036 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W |
| Q2010 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2037 | 1-216-079-00 | RES-CHIP | 18K 5% 1/10W |
| Q2011 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R2039 | 1-216-079-00 | RES-CHIP | 18K 5% 1/10W |
| Q2012 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2040 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| Q2013 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2041 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W |
| Q2015 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2042 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| Q2016 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R2043 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| Q2017 | 8-729-216-22 | TRANSISTOR 2SB709A-QRS-TX | | R2044 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W |
| Q2018 | 8-729-422-27 | TRANSISTOR 2SD601A-QRS-TX | | R2045 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| | | <RESISTOR> | | R2046 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2001 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W | R2047 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2002 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R2048 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| R2003 | 1-216-113-00 | RES-CHIP | 470K 5% 1/10W | R2049 | 1-216-085-00 | RES-CHIP | 33K 5% 1/10W |
| R2004 | 1-216-041-00 | RES-CHIP | 470 5% 1/10W | R2050 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |
| R2005 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | R2051 | 1-216-097-91 | RES-CHIP | 100K 5% 1/10W |
| | | | | R2052 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| | | | | R2053 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| | | | | R2054 | 1-216-077-91 | RES-CHIP | 15K 5% 1/10W |
| | | | | R2055 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| | | | | R2056 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W |
| | | | | R2057 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| | | | | R2058 | 1-216-075-00 | RES-CHIP | 12K 5% 1/10W |
| | | | | R2059 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| | | | | R2060 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| | | | | R2063 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W |
| | | | | R2064 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W |
| | | | | R2065 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|--------------------------------------|---------------|----------|----------|-------------|--------|
| R2066 | 1-215-865-11 | METAL OXIDE | 220 5% 1W | | | | |
| R2068 | 1-216-055-00 | RES-CHIP | 1.8K 5% 1/10W | | | | |
| R2069 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | | | | |
| R2071 | 1-216-055-00 | RES-CHIP | 1.8K 5% 1/10W | | | | |
| R2072 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | | | | |
| R2073 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | | | | |
| R2074 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | | | | |
| R2075 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W | | | | |
| R2076 | 1-216-081-00 | RES-CHIP | 22K 5% 1/10W | | | | |
| R2077 | 1-216-121-91 | RES-CHIP | 1M 5% 1/10W | | | | |
| R2079 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | | | | |
| R2081 | 1-216-065-91 | RES-CHIP | 4.7K 5% 1/10W | | | | |
| R2082 | 1-216-049-91 | RES-CHIP | 1K 5% 1/10W | | | | |
| R2083 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | | | | |
| R2084 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | | | | |
| R2085 | 1-216-035-00 | RES-CHIP | 270 5% 1/10W | | | | |
| R2086 | 1-216-035-00 | RES-CHIP | 270 5% 1/10W | | | | |
| R2087 | 1-215-911-11 | METAL OXIDE | 100 5% 3W | | | | |
| R2088 | 1-215-911-11 | METAL OXIDE | 100 5% 3W | | | | |
| R2089 | 1-215-886-11 | METAL OXIDE | 100 5% 2W | | | | |
| R2091 | 1-215-911-11 | METAL OXIDE | 100 5% 3W | | | | |
| R2092 | 1-215-911-11 | METAL OXIDE | 100 5% 3W | | | | |
| R2093 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | | | | |
| R2094 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | | | | |
| R2095 | 1-216-067-00 | RES-CHIP | 5.6K 5% 1/10W | | | | |
| R2096 | 1-216-067-00 | RES-CHIP | 5.6K 5% 1/10W | | | | |
| R2097 | 1-216-357-00 | METAL OXIDE | 4.7 5% 1W | | | | |
| R2098 | 1-216-357-00 | METAL OXIDE | 4.7 5% 1W | | | | |
| R2099 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W | | | | |
| R2100 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W | | | | |
| R2101 | 1-216-079-00 | RES-CHIP | 18K 5% 1/10W | | | | |
| R2102 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | | | | |
| R2103 | 1-216-079-00 | RES-CHIP | 18K 5% 1/10W | | | | |
| R2104 | 1-216-073-00 | RES-CHIP | 10K 5% 1/10W | | | | |
| R2105 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W | | | | |
| R2106 | 1-216-089-91 | RES-CHIP | 47K 5% 1/10W | | | | |
| R2107 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | | | | |
| R2108 | 1-216-025-91 | RES-CHIP | 100 5% 1/10W | | | | |
| | | <RELAY> | | | | | |
| RY2001 | 1-755-028-11 | RELAY | | | | | |
| RY2002 | 1-755-028-11 | RELAY | | | | | |
| | | <TERMINAL BOARD> | | | | | |
| TB2001 | 1-694-441-11 | TERMINAL, PUSH (CENTER SPEAKER IN) | | | | | |
| | | <CRYSTAL> | | | | | |
| X2001 | 1-781-590-21 | VIBRATOR, CRYSTAL 33.8688MHz | | | | | |
| | | <CAPACITOR> | | | | | |
| C3101 | 1-136-165-00 | MYLAR | 0.1µF 5% 50V | | | | |
| | | <CONNECTOR> | | | | | |
| CN3101* | 1-564-521-11 | PLUG, CONNECTOR 6P | | | | | |
| CN3103* | 1-564-518-11 | PLUG, CONNECTOR 3P | | | | | |
| CN3201* | 1-564-526-11 | PLUG, CONNECTOR 11P | | | | | |
| | | <DIODE> | | | | | |
| D3101 | 8-719-053-43 | DIODE SLR-325VCT31 | | | | | |
| D3102 | 8-719-053-43 | DIODE SLR-325VCT31 | | | | | |
| D3201 | 8-719-108-12 | DIODE RD9.1EW-T1 | | | | | |
| D3202 | 8-719-108-12 | DIODE RD9.1EW-T1 | | | | | |
| D3203 | 8-719-108-12 | DIODE RD9.1EW-T1 | | | | | |
| D3204 | 8-719-108-12 | DIODE RD9.1EW-T1 | | | | | |
| D3205 | 8-719-108-12 | DIODE RD9.1EW-T1 | | | | | |
| D3206 | 8-719-108-12 | DIODE RD9.1EW-T1 | | | | | |
| | | <JACK> | | | | | |
| J3201 | 1-565-931-11 | TERMINAL BLOCK, S 3P (VIDEO 2 INPUT) | | | | | |
| | | <RESISTOR> | | | | | |
| R3101 | 1-215-417-00 | METAL | 680 1% 1/4W | | | | |
| R3102 | 1-215-421-00 | METAL | 1K 1% 1/4W | | | | |
| R3103 | 1-215-423-00 | METAL | 1.2K 1% 1/4W | | | | |
| R3104 | 1-215-427-00 | METAL | 1.8K 1% 1/4W | | | | |
| R3105 | 1-215-433-00 | METAL | 3.3K 1% 1/4W | | | | |
| R3201 | 1-247-804-11 | CARBON | 75 5% 1/4W | | | | |
| R3202 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R3203 | 1-247-804-11 | CARBON | 75 5% 1/4W | | | | |
| R3204 | 1-247-804-11 | CARBON | 75 5% 1/4W | | | | |
| R3205 | 1-247-895-91 | CARBON | 470K 5% 1/4W | | | | |
| R3206 | 1-247-895-91 | CARBON | 470K 5% 1/4W | | | | |
| R3207 | 1-215-441-00 | METAL | 6.8K 1% 1/4W | | | | |
| R3209 | 1-215-451-00 | METAL | 18K 1% 1/4W | | | | |
| | | <SWITCH> | | | | | |
| S3101 | 1-572-198-11 | SWITCH, KEYBOARD (POWER) | | | | | |
| S3102 | 1-572-198-11 | SWITCH, KEYBOARD (CHANNEL +) | | | | | |
| S3103 | 1-572-198-11 | SWITCH, KEYBOARD (CHANNEL -) | | | | | |
| S3104 | 1-572-198-11 | SWITCH, KEYBOARD (VOLUME +) | | | | | |
| S3105 | 1-572-198-11 | SWITCH, KEYBOARD (VOLUME -) | | | | | |
| S3106 | 1-572-198-11 | SWITCH, KEYBOARD (TV/VIDEO) | | | | | |
| S3107 | 1-572-198-11 | SWITCH, KEYBOARD (FLASH FOCUS) | | | | | |
| S3108 | 1-572-198-11 | SWITCH, KEYBOARD (SET UP) | | | | | |



Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|-----------------------|---------------------------------|--------|
| | * A-1372-776-A | HC BOARD, COMPLETE ***** | |
| | | <CONNECTOR> | |
| CN3301 | * 1-564-518-11 | PLUG, CONNECTOR 3P | |
| | | <DIODE> | |
| D3301 | 8-719-066-43 | DIODE GP1U28Y | |
| D3302 | 8-719-109-89 | DIODE MTZJ-T-77-5.6B | |
| D3303 | 8-719-109-89 | DIODE MTZJ-T-77-5.6B | |
| | | <RESISTOR> | |
| R3301 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| R3302 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| ***** | | | |
| | * A-1390-933-A | S BOARD, COMPLETE ***** | |
| | | <CONNECTOR> | |
| CN3001 | * 1-564-506-11 | PLUG, CONNECTOR 3P | |
| | | <DIODE> | |
| D3001 | 8-719-109-89 | DIODE MTZJ-T-77-5.6 | |
| | | <SWITCH> | |
| S3001 | 1-528-911-21 | BATTERY, SOLAR | |
| ***** | | | |
| | | MISCELLANEOUS ***** | |
| | Δ 1-223-925-51 | RESISTOR ASSY (HIGH-VOLTAGE) | |
| | | FOCUS PACK | |
| | 1-251-321-12 | SELECTOR, ANTENNA | |
| | Δ 1-451-510-11 | DEFLECTION YORK | |
| | Δ 1-452-790-21 | NECK ASSY | |
| | Δ 1-453-285-11 | FBT ASSY NX-4007//J1P4 | |
| | 1-500-021-11 | CLAMP, SLEEVE FERRITE | |
| | 1-529-403-21 | SPEAKER (6.6cm) | |
| | 1-529-643-11 | SPEAKER (13cm) (53HS10) | |
| | 1-529-644-11 | SPEAKER (16cm) (61HS10) | |
| | 1-543-653-11 | CORE ASSY, DEAD (DIVISION TYPE) | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|-----------------------|--|--------|
| | * 1-556-945-21 | CABLE, P-P | |
| | * 1-557-056-31 | CABLE, P-P | |
| | Δ 1-790-130-11 | CORD, AC POWER(WITH CONNECTOR) | |
| | Δ 8-598-955-12 | BLOCK ASSY, HIGH-VOLTAGE | |
| | Δ 8-733-570-15 | CRT 07MXC2(G)(HEATER) | |
| | Δ 8-733-572-15 | CRT 07MXC3(R)(HEATER) (53HS10) | |
| | Δ 8-733-573-15 | CRT 07MXC4(R)(HEATER) (61HS10) | |
| | Δ 8-733-575-15 | CRT 07MAC3(B)(HEATER) (53HS10) | |
| | Δ 8-733-576-15 | CRT 07MAC4(B)(HEATER) (61HS10) | |
| ***** | | | |
| | | ACCESSORIES AND PACKING MATERIALS ***** | |
| | 1-475-898-11 | REMOTE COMMANDER (RM-Y902) | |
| | * 4-041-426-01 | BAG, PROTECTION (53HS10) | |
| | * 4-042-463-01 | SHEET, PROTECTION | |
| | 4-074-163-11 | MANUAL, INSTRUCTION | |
| | 4-074-163-21 | MANUAL, INSTRUCTION | |
| | 4-074-163-31 | MANUAL, INSTRUCTION | |
| | 4-074-163-41 | MANUAL, INSTRUCTION | |
| | * 4-075-779-01 | INDIVIDUAL CARTON (53HS10) | |
| | * 4-075-780-01 | BOARD BOTTOM (53HS10) | |
| | * 4-075-781-01 | TRAY (53HS10) | |
| | * 4-075-782-01 | CUSHION (UPPER) (ASSY) (53HS10) | |
| | * 4-075-783-01 | CUSHION (LEFT UPPER) (53HS10) | |
| | * 4-075-784-01 | CUSHION (RIGHT UPPER) (53HS10) | |
| | * 4-075-785-01 | CUSHION (LOWER) (ASSY) (53HS10) | |
| | * 4-075-786-01 | CUSHION (LEFT LOWER) (53HS10) | |
| | * 4-075-787-01 | CUSHION (RIGHT LOWER) (53HS10) | |
| | * 4-075-788-01 | INDIVIDUAL CARTON (61HS10) | |
| | * 4-075-789-01 | BOARD BOTTOM (61HS10) | |
| | * 4-075-790-01 | TRAY (61HS10) | |
| | * 4-075-791-01 | CUSHION (UPPER) (ASSY) (61HS10) | |
| | * 4-075-792-01 | CUSHION (LEFT UPPER) (61HS10) | |
| | * 4-075-793-01 | CUSHION (RIGHT UPPER) (61HS10) | |
| | * 4-075-794-01 | CUSHION (LOWER) (ASSY) (61HS10) | |
| | * 4-075-795-01 | CUSHION (LEFT LOWER) (61HS10) | |
| | * 4-075-796-01 | CUSHION (RIGHT LOWER) (61HS10) | |
| | * 4-076-420-01 | BAG, PROTECTION (61HS10) | |
| | | REMOTE COMMANDER ***** | |
| | 1-475-898-11 | REMOTE COMMANDER (RM-Y902) | |
| | 9-933-736-01 | COVER, BATTERY (FOR RM-Y902) | |

SERVICE MANUAL

RA-4B CHASSIS

| <i>MODEL NAME</i> | <i>REMOTE COMMANDER</i> | <i>DESTINATION</i> | <i>CHASSIS NO.</i> |
|-------------------|-------------------------|--------------------|--------------------|
| KP-53HS10 | RM-Y902 | US | SCC-P40A-A |
| KV-53HS10 | RM-Y902 | Canadian | SCC-P40A-A |
| KP-61HS10 | RM-Y902 | US | SCC-P40B-A |
| KV-61HS10 | RM-Y902 | Canadian | SCC-P40B-A |

CORRECTION - 1

SUBJECT: D BOARD CORRECTIONS - Q5031 VOLTAGE; WAVEFORMS

Correct the service manual as shown.
File this Correction with the service manual.

COLOR REAR VIDEO PROJECTOR

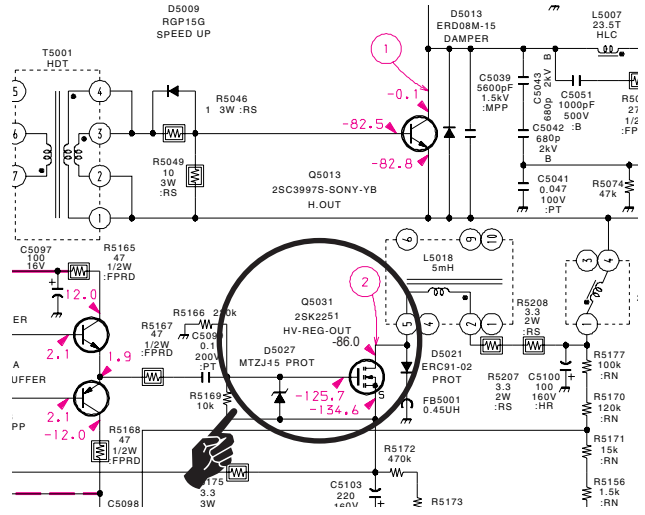
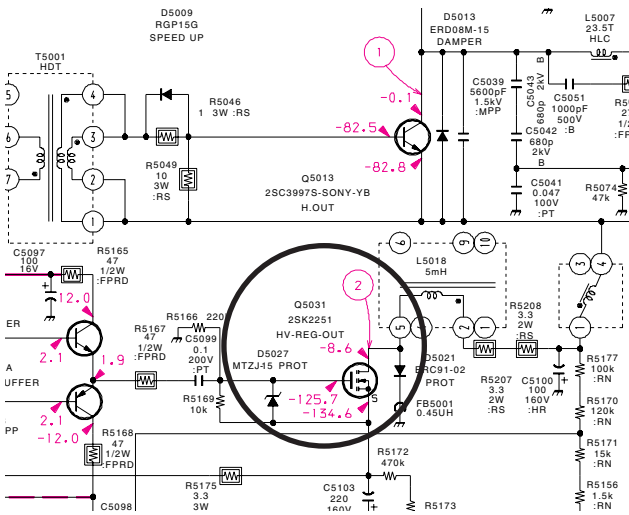
SONY®

✎: Corrected Item

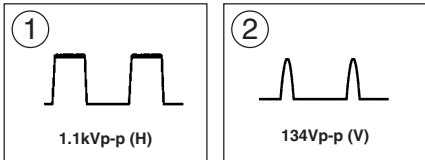
Section 6: Diagrams - D Board (Page 125-127)

INCORRECT

CORRECT



• D(1/2) BOARD WAVEFORMS



• D(1/2) BOARD WAVEFORMS

