

PVM-2042QM/2044QM

SERVICE MANUAL

6865

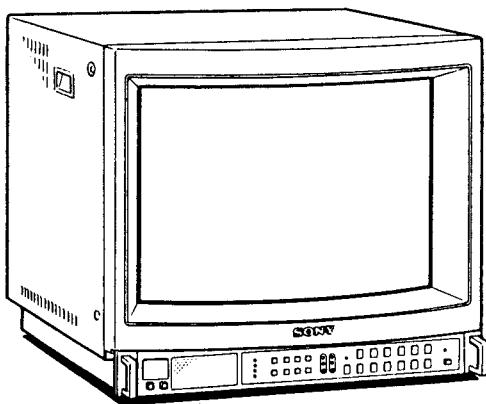
AEP Model

PVM-2042QM

Chassis No. SCC-C74C-A

PVM-2044QM

Chassis No. SCC-C74B-A



SPECIFICATIONS

Video signal

Frequency response

Line input: More than 7 MHz (-3 dB)
Y/C input: More than 8 MHz (-3 dB)
Component input (Y/R-Y/B-Y): More than 8 MHz
(-3 dB)

R.G.B. input (analog): More than 9 MHz (-3 dB)

Chrominance subcarrier attenuation

3.58 MHz: Less than -30 dB (comb filter)

4.43 MHz: Less than -36 dB (trap filter)

Band pass

3.58 MHz: 2 MHz equiband

4.43 MHz: 2 MHz equiband

Chrominance/luminance time error

Composite: Less than ±100 ns

Y/C Video: Less than ±50 ns

Component: Less than ±50 ns

Aperture correction

-4.5 to +6.5 dB (at 4.5 MHz)

Synchronization

AFC time constant: 1 msec

Line pull range

Horizontal: ±500 Hz

Vertical: 8 Hz

Picture performance

Normal scan 7% overscan of CRT effective screen area

Under scan 3% underscan of CRT effective screen area

H. linearity error Less than 8%

V. linearity error Less than 7%

Convergence Central area: 0.7 mm (Typical)

Peripheral area: 1.3 mm (Typical)

Raster size stability

H: 1.0%, V: 1.5%

High voltage regulation

4%

Audio output 0.6 W (Max.)

CRT EBU phosphor

Color temperature 6,500K/9,300K (+8MPCD), selectable

Inputs

For both models

VIDEO IN: BNC connector
AUDIO IN: Phono jack
VTR: 8-pin connector (See "VTR connector" on page 14.)
Y/C-INPUT
VIDEO: 4-pin DIN connector (See "Y/C-INPUT connector" on page 15.)
AUDIO: Phono jack

PVM-2044QM only

EXT SYNC: BNC connector
composite sync 1-4 Vp-p, negative, 75 ohms terminated,
automatically released when cable is connected to the output
connector.
ANALOG RGB/COMPONENT: BNC connector
R, G, B and Y channels: 0.7 Vp-p, ±6 dB, non composite
R-Y and B-Y channels: 0.525 Vp-p, ±6 dB
(Standard color bar signal of 75-percent chrominance)
When the composite signal is fed to the G or Y channels, the
monitor can be activated in the internal sync mode.
75 ohms terminated, automatically released when a cable is
connected to the output connector.
CTRL S: Minijack

PVM-2042QM only

EXT SYNC: BNC connector
composite sync 1-4 Vp-p, negative, 75 ohms terminated,
automatically released when cable is connected to the output
connector.
ANALOG RGB: BNC connector
0.7 Vp-p, ±6 dB, non composite
75 ohms terminated, automatically released when cable is
connected to the output connector.
DIGITAL RGB: 9-pin connector (See "DIGITAL RGB connector" on
page 14.)
CTRL S: Minijack

— Continued on next page —

TRINITRON® COLOR VIDEO MONITOR
SONY®



Outputs

For both models

VIDEO OUT: BNC connector
Loop-through
AUDIO OUT: Phono jack
Loop-through

PVM-2044QM only

EXT SYNC: BNC connector
Loop-through
ANALOG RGB/COMPONENT: BNC connector
Loop-through
CTRL S: Minijack
Loop-through

PVM-2042QM only

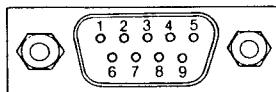
EXT SYNC: BNC connector
Loop-through
ANALOG RGB: BNC connector
Loop-through
CTRL S: Minijack
Loop-through

General

AC regulation range 220 - 240 V AC, 50/60 Hz
Power consumption Approx. 98 Wh
Operating temperature range 0°C to +35°C (32°F to 95°F)
Dimensions Approx. 452 × 458 × 513 mm (w/h/d)
(17 1/8" × 18 1/4" × 20 1/4" inches)
Weight Approx. 31 kg (68 lb 5 oz)
Supplied accessory Rack mounting bracket (for EIA standard racks)
(1 set)

Pin assignment

DIGITAL RGB connector (9-pin)



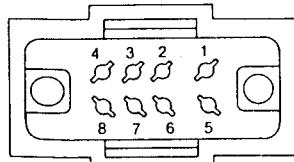
Pin No.	Signal	Signal level
1	GND (ground)	GND
2	GND for the signal	GND
3	Red input	Positive polarity (TTL level)
4	Green input	↑
5	Blue input	↑
6	Intensity	↑
7	NC (no connection)	↔
8	H-SYNC	Positive or negative polarity (TTL level)
9	V-SYNC	Same polarity as H-SYNC (TTL level)

Note

If the intensity function of Pin No. 6 is not used, set the internal switch on the Qd board to the B position, and connect the Pin No. 6 to the GND. With this setting, when the positive intensity signal synchronized to the characters on the screen is fed, the luminance of the characters will be increased.

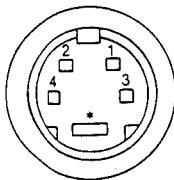
If the specific intensity function, such as that of an IBM microcomputer, is used, set the internal switch on the Qd board to the A position, and feed the intensity control signal to Pin No. 6.

VTR connector (8-pin)



Pin No.	Signal	Description
1	Audio input	-5 dBs, high input impedance (more than 47 kilohms)
2	Video input	Composite 1 Vp-p, sync negative, 75 ohms
3	GND	GND
4	NC	↔
5	GND	GND
6	GND	GND
7	GND	GND
8	GND	GND

Y/C (Y/C separate) INPUT connector (4-pin DIN)



Pin No.	Signal	Description
1	Y-input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub-carrier-input	300 mVp-p, burst Delay time between Y and C: within 0±100 nsec., 75 ohms
3	GND for Y-input	GND
4	GND for CHROMA-input	GND
*	Slot for internal switch	Press the switch inside this slot. The signal from Y/C-INPUT connector has priority over the one from VTR (8-pin) connector.

Design and specifications subject to change without notice.

Attaching the indication number (PVM-2044QM only)

- 1 Remove the screws and the left handle bracket.
- 2 Insert the indication number sheet.
- 3 Attach the left handle bracket with the screws.

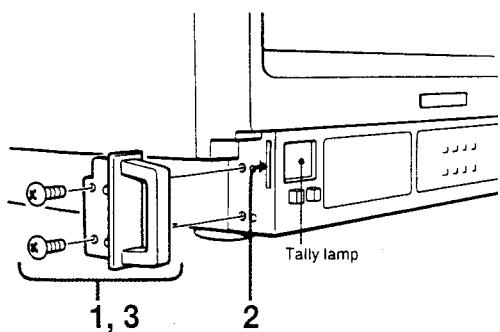


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WARNING !!

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.

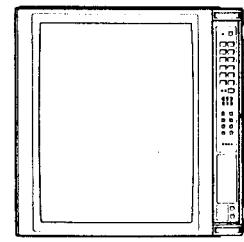
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  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.

SECTION 1 GENERAL

1-1. LOCATION AND FUNCTION PARTS AND CONTROLS

Front panel PVM-2044QM



① Tally lamp

Lights up when the video camera connected to this unit is selected, indicating that the picture is being recorded. The indication number can be attached on the lamp using the supplied sheets (see page 15).

② DEGAUSS button

Press this button momentarily. The screen will be demagnetized for approximately 5 seconds. Wait for 10 minutes or more before activating this button again.

③ 3.58 TRAP button (NTSC₅s only)

Normally set this button in released position (Δ OFF) to obtain fine picture detail without color spill or color noise. When a microcomputer, such as APPLE II, is connected and stripes appear, depress this button (= ON).

④ Color system indicators

The indicator of the color system being received lights up in red.

⑤ INPUT select buttons

Press to select the program to be monitored.
A: for a signal fed through the LINE A connectors.
B: for a signal fed through the LINE B connectors.
Y/C/MT/R: for a signal fed through the Y/C:INPUT
connectors or VTR connector.

When both the Y/C:INPUT and VTR connectors are connected to video equipment, the input signal fed through the Y/C:INPUT connector has priority over the one fed through the VTR connector.
ANALOG RGB/COMPONENT: for a signal fed through the ANALOG RGB/COMPONENT connectors.
For connection, refer to the explanation of ANALOG RGB/COMPONENT connectors on page 11.

⑥ BLUE ONLY button

Depress to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" control adjustments and observation of VTR noise.

*"Phase" control adjustment is effective only for the NTSC signals.

⑦ UNDER SCAN button

Depress for underscanning. The display size is reduced by approximately 3% so that four corners of the raster are visible.

⑧ HV DELAY button

Depress to observe the horizontal and vertical sync signals at the same time.
The horizontal sync signal is displayed in the left quarter of the screen; the vertical signal is displayed near the center of the screen.

⑨ EXT SYNC (external sync) button

Normally keep this button released (INT). The monitor operates on the sync signal from the displayed composite video signal.
To operate the monitor on an external sync signal led through the EXT SYNC connector on the rear panel, depress the button (EXT).

⑩ BIAS and GAIN adjustment controls

Used for white balance adjustment.
Gain and BIAS controls are provided for the R (red), G (green) and B (blue) screens.

BIAS: Adjust the white balance and brightness of the screen at the lowlight with these controls.
GAIN: Adjust the white balance and contrast of the screen at the highlight with these controls.

⑪ Response indicator

Flashes when the MEMORY (PVM-2044QM only), RESET, APERTURE, BRIGHT, CHROMA, PHASE, CONTRAST, or VOL button is pressed.

⑫ MEMORY button and RESET button

After setting the APERTURE, BRIGHT, CHROMA, and PHASE controls to the desired levels, press the MEMORY button with a pencil or a similar object so that these levels can be memorized and the response indicator lights up.
When the RESET button is pressed, the above control settings, and not the factory set levels, will be restored.
To change the memorized levels, repeat the above operations.
To release the memorized levels and restore the factory set levels, while pressing the MEMORY button, press the RESET button.

⑬ APERTURE buttons

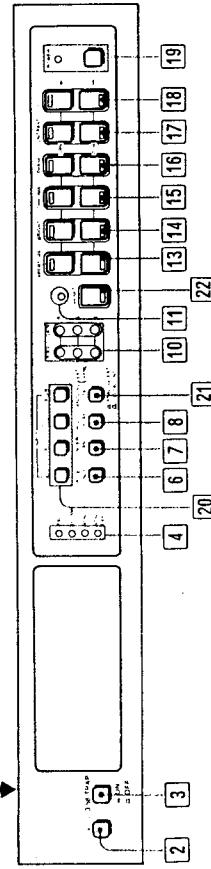
Press + for more sharpness or - for less.

⑭ BRIGHT (brightness) buttons

Press + for more brightness or - for less.

⑮ COLOR SYSTEM SELECTOR

Depress to select the color system to be monitored.
A: for a signal fed through the LINE A connectors.
B: for a signal fed through the LINE B connectors.
Y/C/MT/R: for a signal fed through the Y/C:INPUT
connectors or VTR connector.



Front panel PVM-2042QM

[5] CHROMA buttons

Press + for more color intensity or - for less.

[6] PHASE buttons

This button is effective only for the NTSCs₅₈ and NTSC_{4.43} color system.

Press GRN (green) to make the skin tones greenish or PUR (purple) to make them purplish.

Note

The APERTURE, CHROMA, PHASE control settings have no effect on the pictures of analog RGB or digital RGB signals.

[7] CONTRAST buttons

Press + to make the contrast, color intensity and brightness stronger or - to make them weaker.

[8] VOL (volume) buttons

Press + for more volume or - for less.

[9] POWER switch and indicator

Depress to turn the monitor on. The indicator will light up in green.

Press the switch again to turn the monitor off.

[10] INPUT select buttons

Press to select the program to be monitored.

A: for a signal fed through the LINE A connectors.

B: for a signal fed through the LINE B connectors, YIC/VTR; for a signal feed through the YIC/INPUT connectors or VTR connector.

When both the YIC/INPUT and VTR connectors are connected to video equipment, the input signal fed through the YIC/INPUT connector has priority over the one fed through the VTR connector.

RGB: for a signal feed through the ANALOG RGB connectors or DIGITAL RGB connector.

[11] ANALOG/DIGITAL (EXT SYNC) button

This button functions as ANALOG/DIGITAL selector and EXT SYNC selector.

As ANALOG/DIGITAL selector

Depress to monitor a signal fed through the ANALOG RGB connectors.

Release to monitor a signal fed through the DIGITAL RGB connector.

For EXT SYNC selector

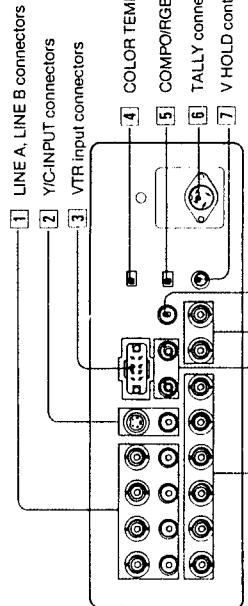
Depress to operate the monitor on an external sync signal fed through the EXT SYNC connector on the rear panel (EXT).

Release to operate the monitor on the sync signal from the displayed composite video signal (INT).

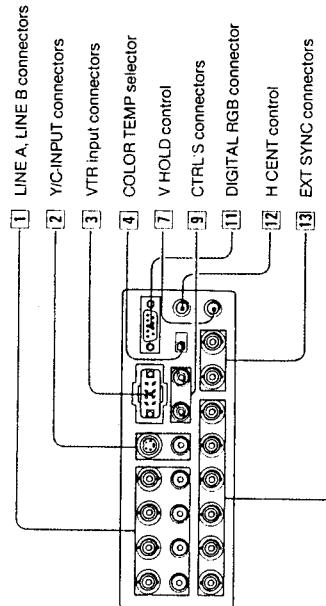
[12] RESET button

Press to return the PHASE, CHROMA, BRIGHT and APERTURE control settings to the factory set levels.

Rear panel PVM-2042QM



Rear panel PVM-2042QM



Picture Adjustment Buttons

The picture adjustment buttons of each monitor operate in the following input mode (indicated as "yes").

Model	Input mode	Aperture	Bright	Chroma	Phase	Contrast	VOL
PVM-2042QM	• LINE A, LINE B	Yes	Yes	Yes	Yes (NTSC only)	Yes	Yes
	• YIC						
PVM-2042QM	Analog RGB	No	Yes	No	No	Yes	Yes
	Component	Yes	Yes	Yes	No	Yes	Yes
PVM-2042QM	• LINE A, LINE B	Yes	Yes	Yes	Yes (NTSC only)	Yes	Yes
	• YIC						
PVM-2042QM	VTR						
	Digital RGB	No	Yes	No	No	Yes	No
PVM-2042QM	Analog RGB						

[1] LINE A, LINE B connectors

Two groups (A and B) of line input connectors for the composite video and audio signals and their loop-through output connectors.
To monitor the input signal fed through these connectors, press the A or B input select button on the front panel.

VIDEO IN (BNC type): Connect to the video output of a video equipment, such as a VTR or a color video camera. For a loop-through connection, connect to the video output of another monitor.
VIDEO OUT (BNC type): Loop-through output of the VIDEO IN connector. Connect to the video input for a VTR or another monitor.

When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the VIDEO IN connector is output from this connector.

AUDIO IN (phono jack): Connect to the audio output of a VTR or to a microphone via a suitable microphone amplifier. For a loop-through connection, connect to the audio output of another monitor.

AUDIO OUT (phono jack): Loop-through output of the AUDIO IN jack. Connect to the audio input of a VTR or another monitor.

[2] Y/C INPUT connectors

VIDEO (4-pin DIN): Connect to the Y/C separate output of a video camera or a VTR.

AUDIO (phono jack): Connect to the audio output of a video camera or a VTR.
To monitor the input signal fed through these connectors, press the Y/C/VTR button on the front panel.

[3] VTR input connectors (8-pin)

Line input for the video and audio signals. When connected to the 8-pin TV connector of a VTR, the video and audio playback signal from the VTR can be input through a single cable.
To monitor the input signal fed through this connector, press the Y/C/VTR button on the front panel, with the Y/C INPUT connectors connected to no outputs.

When both VTR and Y/C INPUT connectors are connected to video equipment, the input signal fed through the Y/C INPUT connectors has priority over the one fed through the VTR connectors.

[4] COLOR TEMP (temperature) selector

Select the color temperature position: 9300K or 6500K.

[5] COMPO (component)/RGB selector

Set to COMPO to monitor component signal fed through the R/R-Y, G/Y, B/B-Y connectors.
Set to RGB to monitor analog RGB signal fed through the R/R-Y, G/Y, B/B-Y connectors.

[6] TALLY connector (4-pin)

Connect the tally signal of a video camera.

[1] DIGITAL RGB connector (9-pin)

Connect with a microcomputer having a digital (TTL level) RGB video output.

To monitor the input signal fed through this connector, press the RGB button and keep the ANALOG/DIGITAL (EXT SYNC) button released.

Note

For connection, be sure to use an optional SMF-520 connecting cable.

[2] H CENT (horizontal centering) control

When a digital RGB signal is monitored, turn to center the picture if it is decentered.

[3] CTRL S (control S) connectors (minijack)

For remote control of the APERTURE, BRIGHT, CHROMA, PHASE, CONTRAST and VOL control buttons.

IN: Connect to the "control S" output of other equipment.
OUT: Connect to the CTRL S IN connector of another monitor by using a connecting cord (miniplug — miniplug).

[4] ANALOG RGB/COMPONENT connectors (BNC type)
R/R-Y IN, G/Y IN, B/B-Y IN:

To monitor the analog RGB signal, connect to the analog RGB signal outputs of a video camera having no sync signal.
Set the COMPO/RGB selector on the rear panel to RGB and press the ANALOG RGB/COMPONENT button on the front panel. When the EXT SYNC button is released, the monitor operates on the sync signal from the G channel.

To monitor the component signal, connect to the R/Y/Y/B/Y component signal outputs of a BETACAM video camera. Set the COMPO/RGB selector on the rear panel to COMPO and press the ANALOG RGB/COMPONENT button on the front panel. When the EXT SYNC button is released, the monitor operates on the sync signal from the Y channel.

R/R-Y OUT, G/Y OUT, B/B-Y OUT:
Loop-through outputs of the R/R-Y IN, G/Y IN, B/B-Y IN connectors.

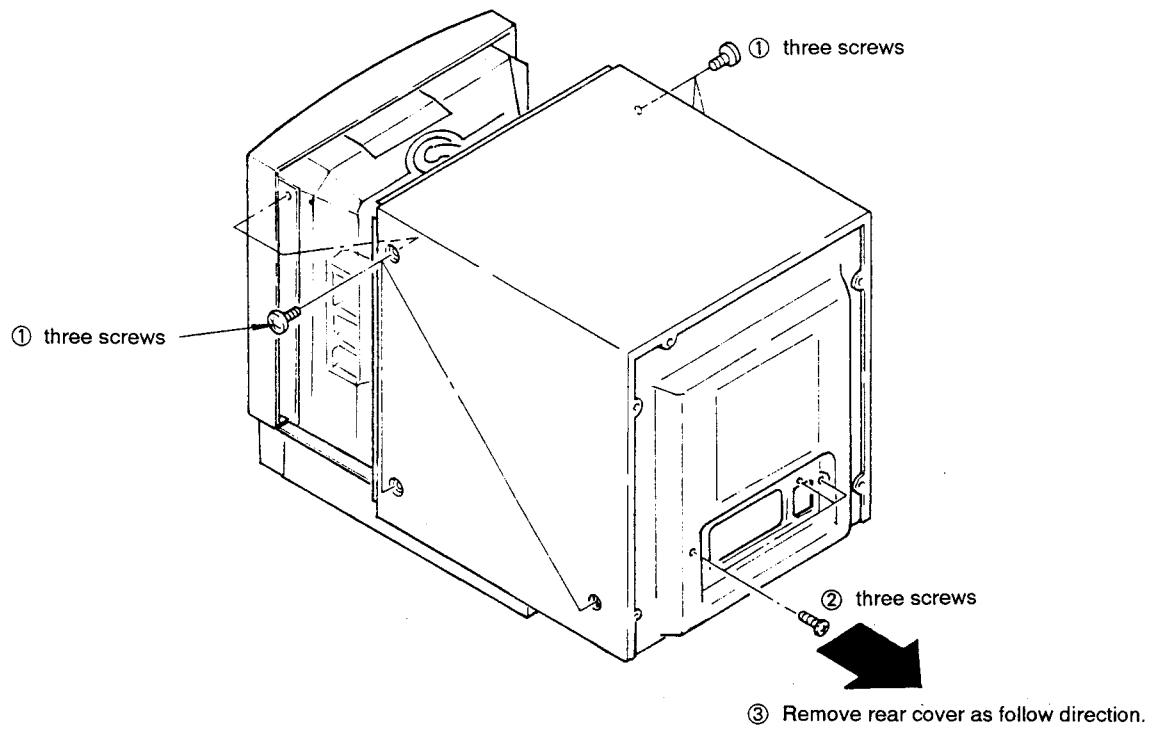
For RGB signal, connect to the analog RGB signal inputs of a video camera.

For component signal, connect to the R/Y/Y/B/Y component signal inputs of a BETACAM video camera. When the cables are connected to these connectors, the 75-ohms termination of the input is automatically released, and the signal inputs to the R/R-Y IN, G/Y IN, B/B-Y IN connectors are output from these connectors.

AUDIO IN (phone jack): Connect to the audio output of video equipment when the analog RGB or component signal is input.

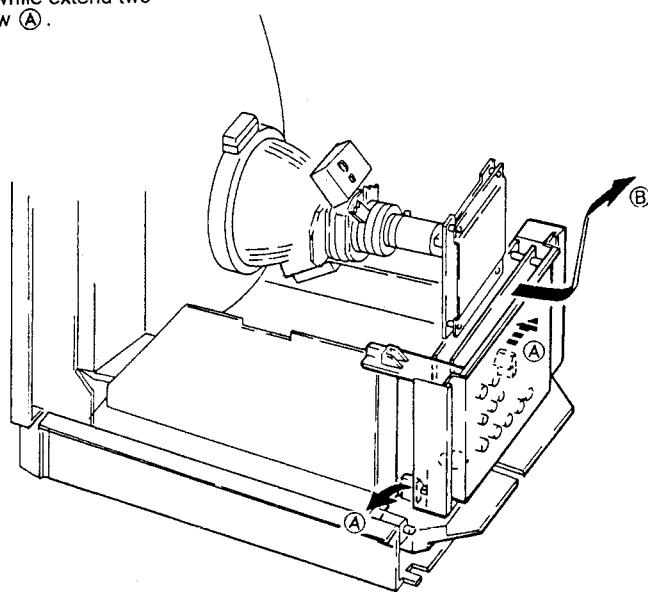
SECTION 2 DISASSEMBLY

2-1. REAR COVER REMOVAL

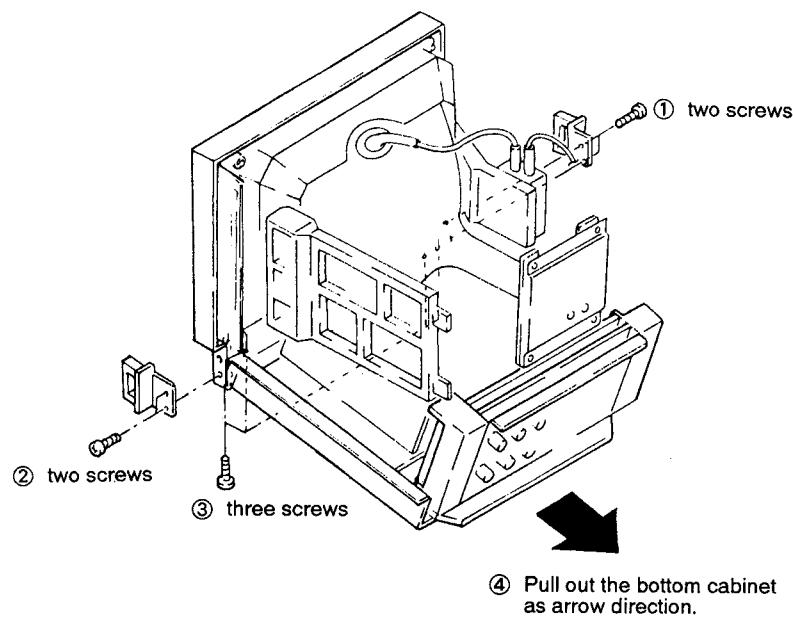


2-2. TERMINAL BRACKET REMOVAL

- ① Remove the terminal bracket as arrow ⑧ while extend two claws as arrow ④.

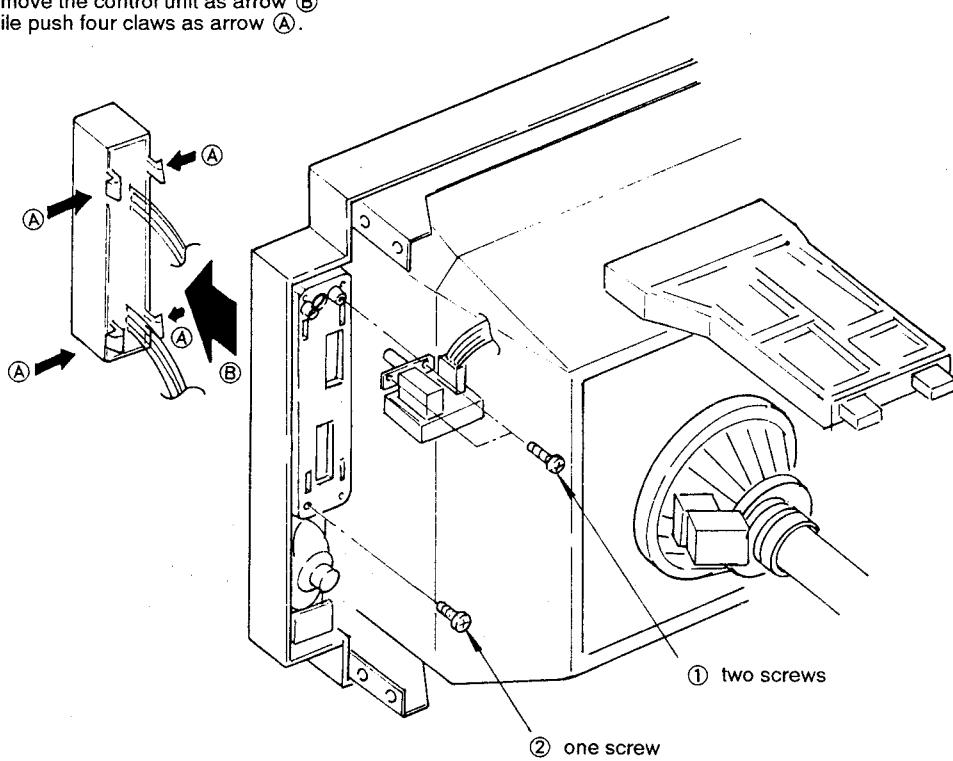


2-3. CABINET ASSY, BOTTOM REMOVAL



2-4. CONTROL UNIT REMOVAL

- ③ Remove the control unit as arrow ⑧ while push four claws as arrow ④.

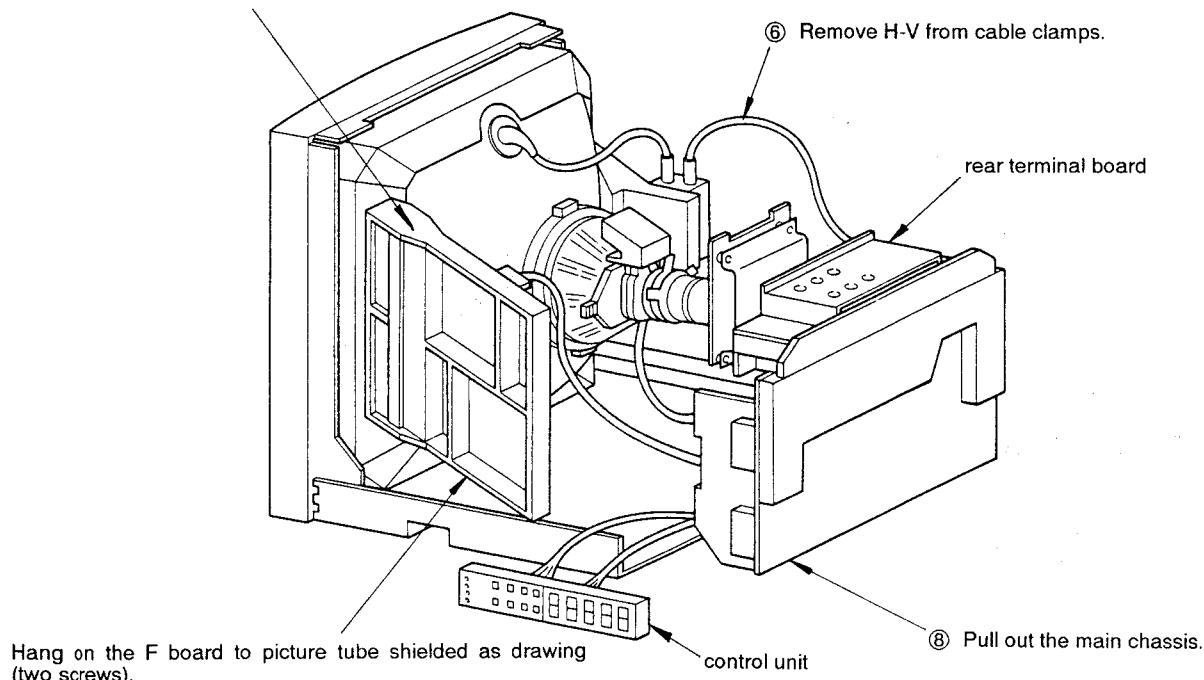


2-5. SERVICE POSITION

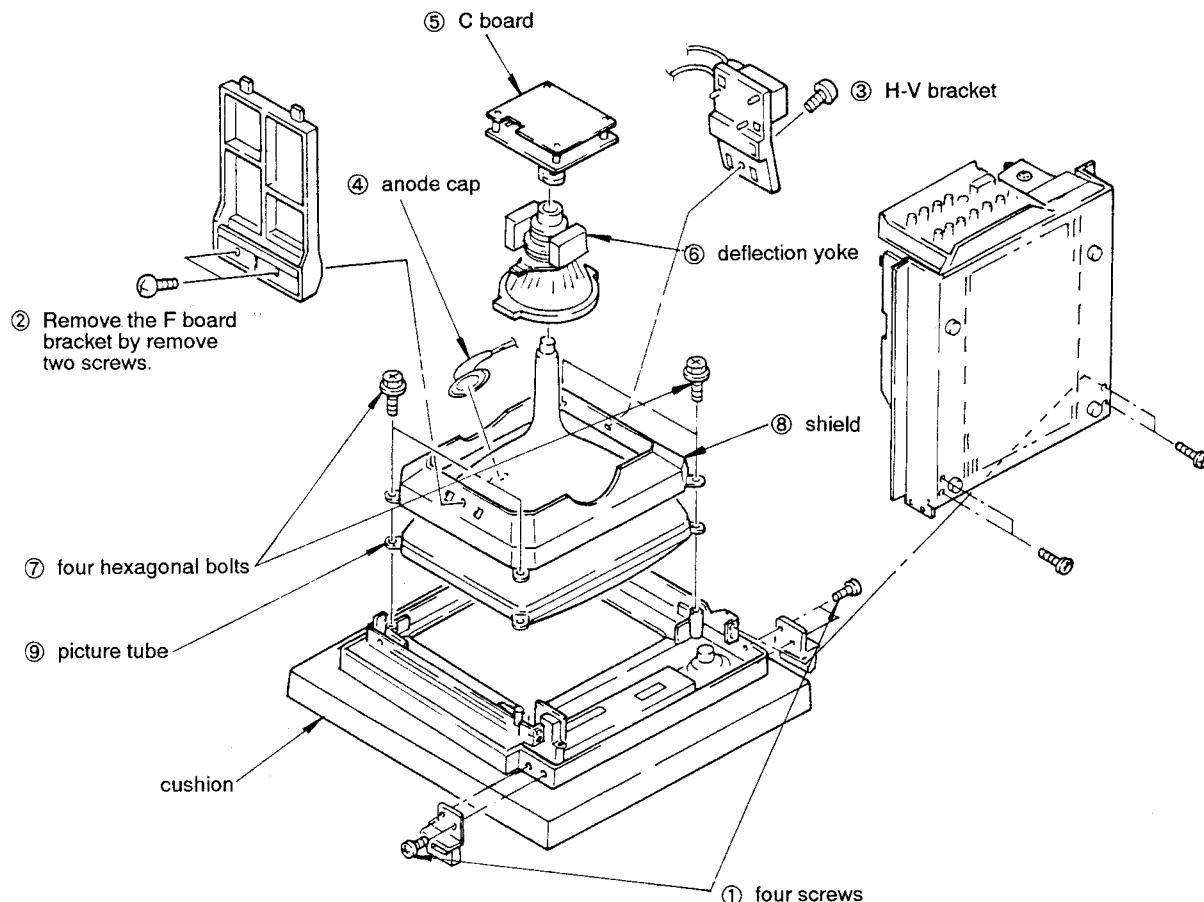
Remove the connectors and chassis in order as follows.

- ① A-4, A-5 (from control panel)
- ② A-2 (from speaker)
- ③ C536 (A board) next earth lead wire (from picture tube)
- ④ T-3 (from H board)
- ⑤ P-4 (from H board)

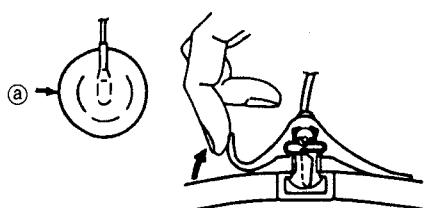
- ⑦ Remove F-5 to A-1 connector from F board bracket.



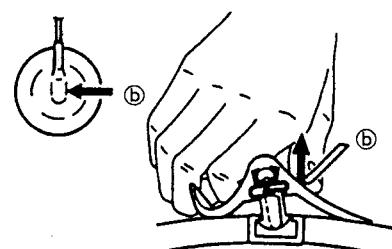
2-6. PICTURE TUBE REMOVAL



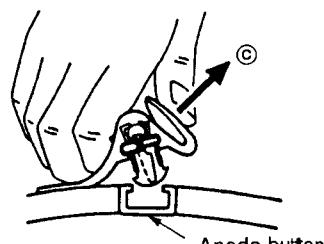
- REMOVAL OF ANODE-CAP
- REMOVING PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by the arrow ①.



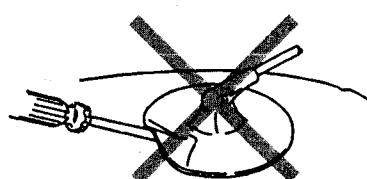
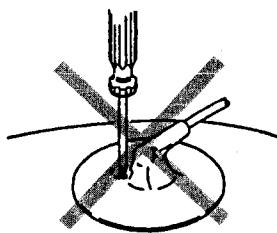
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②.



③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ③.

- HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material !
- ② Don't press the rubber hardly not to hurt inside of anode-caps !
A metal fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly !
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted:

CONTRAST control 80%

BRIGHTNESS control 50%

Perform the adjustments in order as follows:

3-1. Beam Landing

3-2. Convergence

3-3. Focus

3-4. White Balance

Note: Test Equipment Required.

1. Color Bar/Pattern Generator

2. Degausser

3. Color Analyzer

4. Luminance Level Meter

5. Oscilloscope

Preparation

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3-1. BEAM LANDING

- Receive an entirely white signal with the pattern generator.
CONTRAST MAX.
BRIGHTNESS set easy to observe
- Adjust the focus and the horizontal convergence roughly.
- Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Fig. 3-1.
- Switch over the pattern generator to green.
- Move the deflection yoke backward, and adjust with the purity control so that green is in the center and blue and red are at the sides, evenly. (Fig. 3-2)
- Move the deflection yoke forward, and adjust so that the entire screen becomes green. Repeat 5 to 7 as to red and blue.
- When landing at the corners is not right, correct by using the magnet. (Fig. 3-3)
- When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.

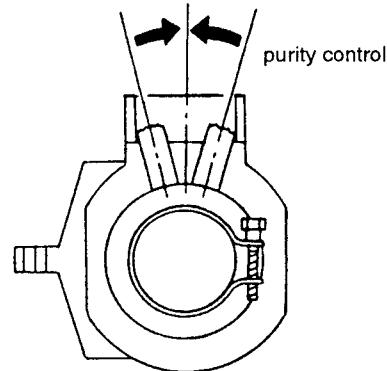


Fig. 3-1

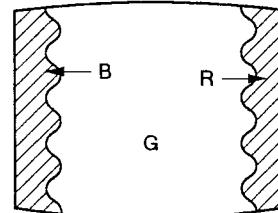


Fig. 3-2

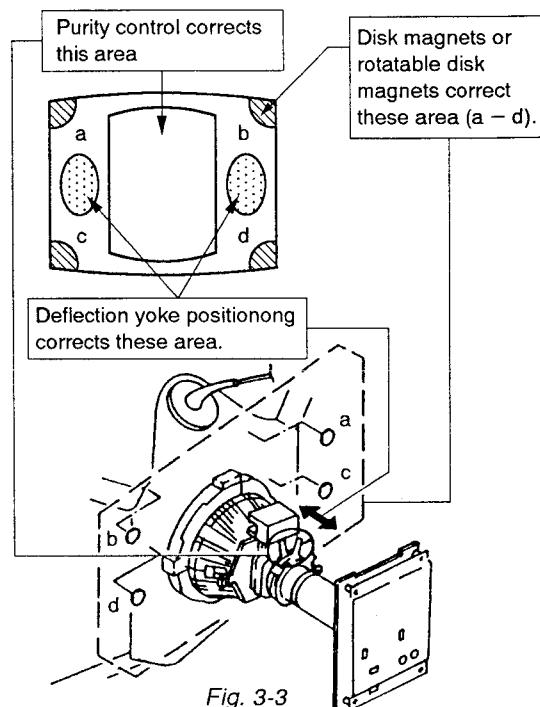
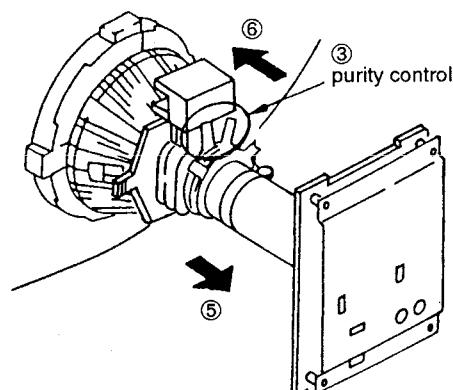


Fig. 3-3



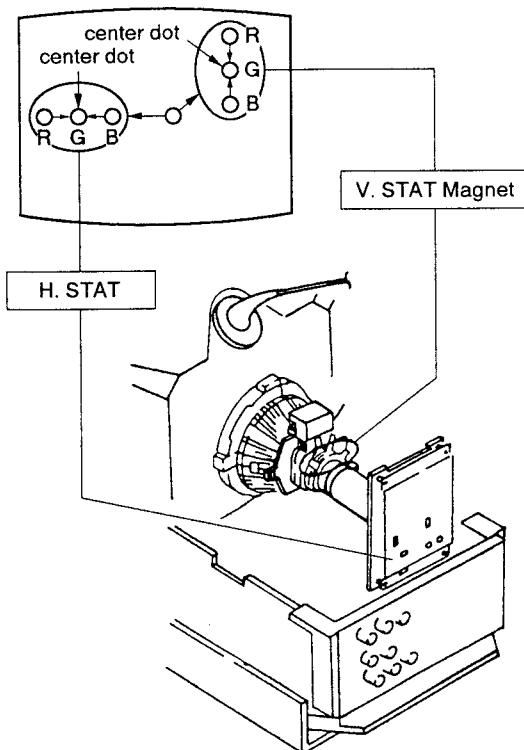
3-2. CONVERGENCE

(1) Horizontal and Vertical Static Convergence Adjustment on the Center of Screen.

- Before starting, perform V. SIZE, V. CENT, H. SIZE, H. CENT and Screen Distortion adjustment rightly.

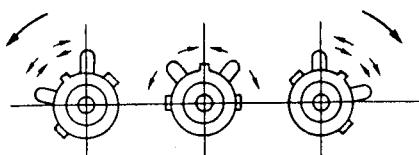
(Static Convergence Adjustment)

- Receive a dot signal and Set CONTRAST to normal.
- Adjust H. STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
- Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)



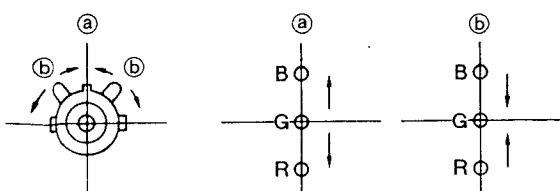
* If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform adjustment using V. STAT at the same time while tracking.

(Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.)

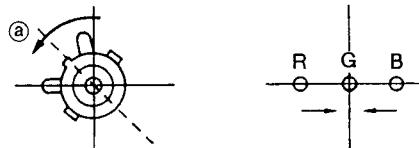


- When the V. STAT magnet is moved in the direction of arrow ① and ②, red, green and blue dots move as shown below.

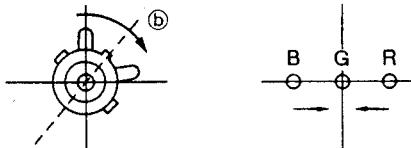
- When moving the V. STAT Magnet open or close.



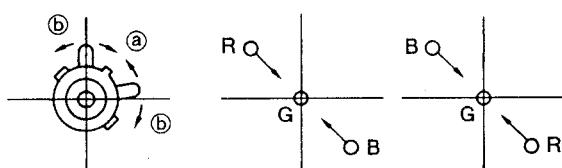
- When moving the V. STAT magnet counterclockwise.



- When moving the V. STAT magnet clockwise.



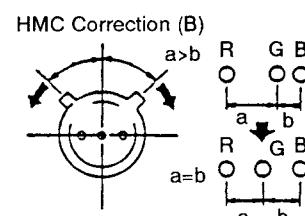
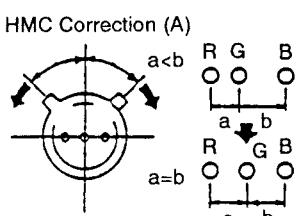
- When tilt the V. STAT magnet and open or close.



* If the red and green dots do not coincide with blue dot, adjustment with BMC (6-poles) magnet.

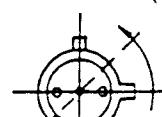
• HMC and VMC correction for BMC (6-Poles) magnet.

- HMC (Horizontal Misconvergence) correction and motion of the Electron Beam with the BMC (6-poles) magnet.



- VMC (Vertical Misconvergence) correction and motion of the Electron Beam with the BMC (6-poles) magnet.

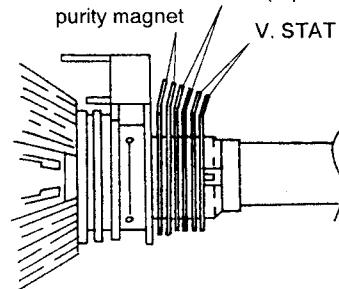
VMC Correction (A)



VMC Correction (B)



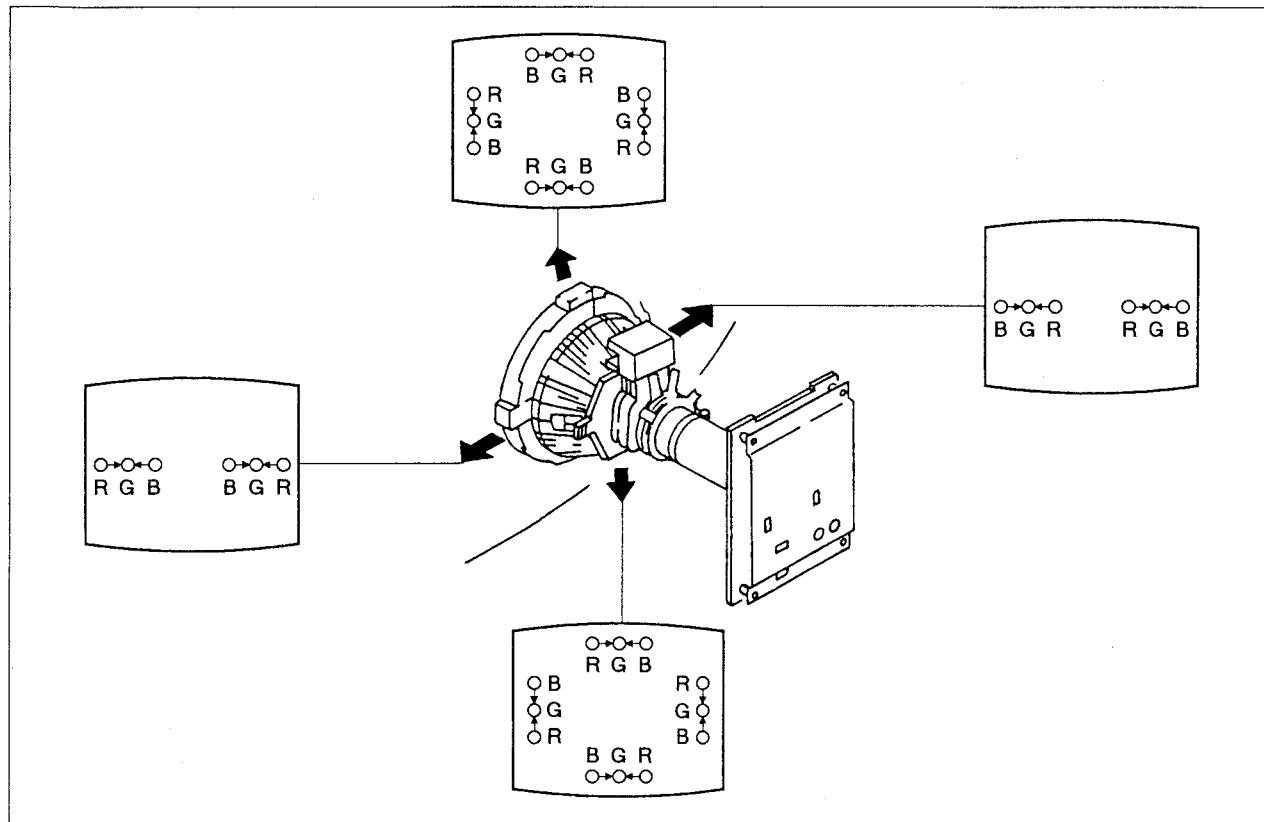
BMC (6-poles) magnet
purity magnet
V. STAT



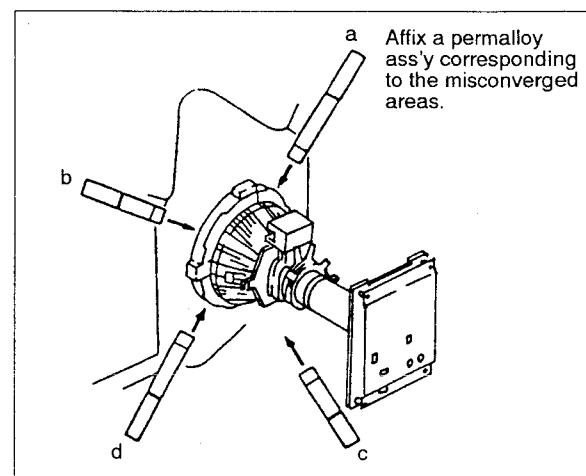
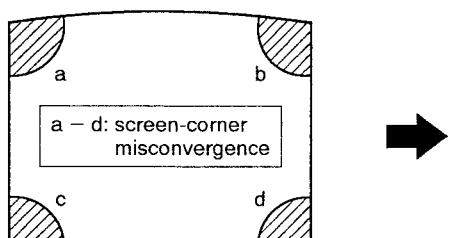
**(2) Horizontal and Vertical Dynamic Convergence
Adjustment the environs of the Screen**

(Dynamic Convergence Adjustment)

1. Loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.



(3) Screen-corner Convergence



3-3. FOCUS

1. Receive the broadcast.
2. CONTRAST Normal
3. Adjust RV707 so that the focus on the center of screen becomes to the best.

3-4. WHITE BALANCE

- Screen voltage Adjustment

1. Receive dot signal patterns.
 2. Set both BRIGHT and CHROMA to 50%.
 3. Use an external DC power supply to apply a voltage of 180 ± 1 VDC to the respective cathodes of R, G, and B.
 4. While observing the screen, adjust RV709 (G2VR) to the point just prior to where the retrace lines disappear.

- White Balance Adjustment

1. Input signals generated by a monoscope.
 2. Set the COLOR TEMP switch to 6500°K.
 3. Set BRIGHT, CONTRAST, and CHROMA as follows:
BRIGHT: 50%
CONTRAST: 0%
CHROMA: 50%
 4. Adjust RV1710 (SUB-BRIGHT), while changing the gray scale of the monoscope signals from 0 IRE to CUT OFF and from 10 IRE to the point where the luminance is barely visible.
 5. Input all-white signals.
 6. Set BRIGHT, CONTRAST, and CHROMA as follows.
BRIGHT: 50%
CONTRAST: 70%
CHROMA: 50%
 7. Secure the photoreceptor of the luminance meter to the surface of the receiving tube.
 8. Adjust the LUMINANCE of the Pattern Generator to 8 NIT.
 9. With the COLOR TEMP set to 6500°K, adjust RV1705 (R BKG) and RV1704 (B BKG) on the V board to obtain the white balance at the cut off point.
 10. Adjust the LUMINANCE of the Pattern Generator so that the former setting of 100 IRE is restored.
 11. With the COLOR TEMP set to 6500°K, adjust RV1701 (R DRV) and RV1700 (B DRV) on the V board to obtain the white balance in highlighted mode.
 12. Repeat Steps 7 through 11 until optimum white balance is achieved.
 13. Set the COLOR TEMP switch to 9300°K.
 14. Set BRIGHT, CONTRAST, and CHROMA as follows:
BRIGHT: 50%
CONTRAST: 70%
CHROMA: 50%
 15. Secure the photoreceptor of the luminance metre to the surface of the receiving tube.
 16. Adjust the LUMINANCE of the Pattern Generator to 8 NIT.
 17. With the COLOR TEMP set to 9300°K, adjust RV1707 (R BKG) and RV1706 (B BKG) on the V board to obtain the white balance at the cut off point.

MEMO

SECTION 4

SAFETY RELATED ADJUSTMENTS

B+ MAX CONFIRMATION (☒ R690)

The following adjustments should always be performed when replacing the following components (marked with ☒ on the schematic diagram).

on F board : IC601, IC602, IC651, D654, D655, C658, C659, R634, R652, R653, R654, R655, R656, R657, R665, R671, R690, RV601

1. Supply $130\pm5\%$ V AC to with variable auto-transformer.
2. Receive a dot signal.
3. • CONTRASTMinimum
• BRIGHTNESSMinimum
4. Connect a digital multimeter to TP91.
5. Confirm the voltage of TP91 is less than 118.0V DC when rotate RV601 on F board fully clockwise.
6. If step 5 is not satisfied, readjustment should be performed by altering the resistance value of R690 (☒).

**CONFIRMATION WHEN REPLACING H.V.R
(High Voltage Resistor)**

The following adjustment should be confirm the output voltage when replacing HVR.

1. Receive an entire white signal.
2. • CONTRASTMaximum
• BRIGHTNESSMaximum
3. Connect a digital multimeter to the A-20 connector side lead of R804.
4. Confirm the voltage is 16.0 ± 3.0 V DC.

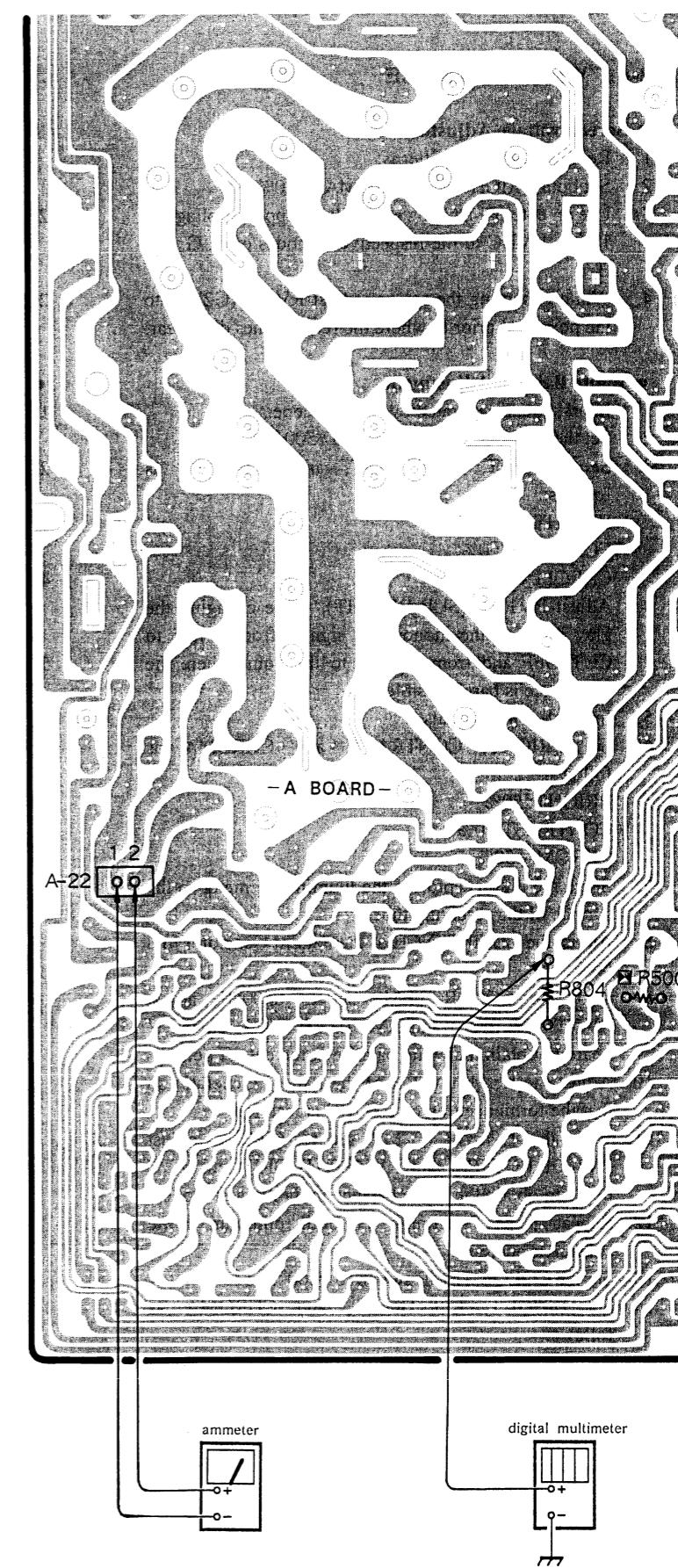
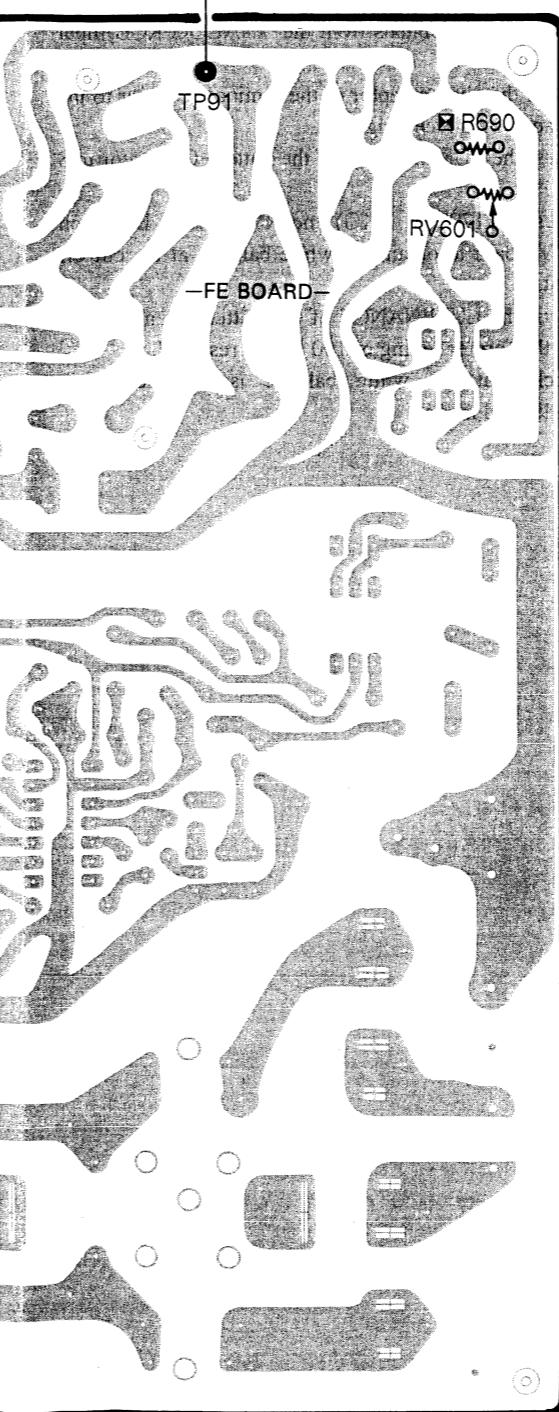
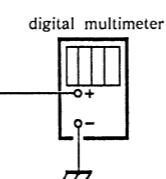
**☒ R500, CONFIRMATION METHOD (HOLD-DOWN
CONFIRMATION) AND READJUSTMENTS**

The following adjustments should always be performed when replacing the following components (marked with ☒ on the schematic diagram).

on A board : IC501, Q503, Q504, Q505, Q506, D509, D510, C505, C520, C524, C525, C526, C527, C528, C529, C530, C531, R500, R506, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R528, R804, HVR

on P board : NL901, C905

1. Receive an entire white signal.
2. • CONTRASTMaximum
• BRIGHTNESSMaximum
3. Connect a digital multimeter to the A-20 connector side lead of R804.
4. Confirm the voltage is 16.0 ± 3.0 V DC.
5. Receive a dot signal.
6. Disconnect A-22 connector (ABL JIG) on A board and connect an ammeter.
7. Adjust BRIGHTNESS and CONTRAST so that the current to $180\pm30\mu A$.
8. Apply an external DC voltage gradually to the A-20 connector side lead of R804, and when the voltage becomes 19.2 ± 0.1 V DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
9. Receive an entire white signal.
10. Adjust with BRIGHTNESS and CONTRAST volumes so that the current to $1,020\pm40\mu A$.
11. Apply DC voltage to the A-20 connector side lead of R804, and when the voltage becomes 18.3 ± 0.1 V DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
12. When step 4 to 11 is not satisfied, readjustment should be performed by altering the resistance value of R500 (☒).

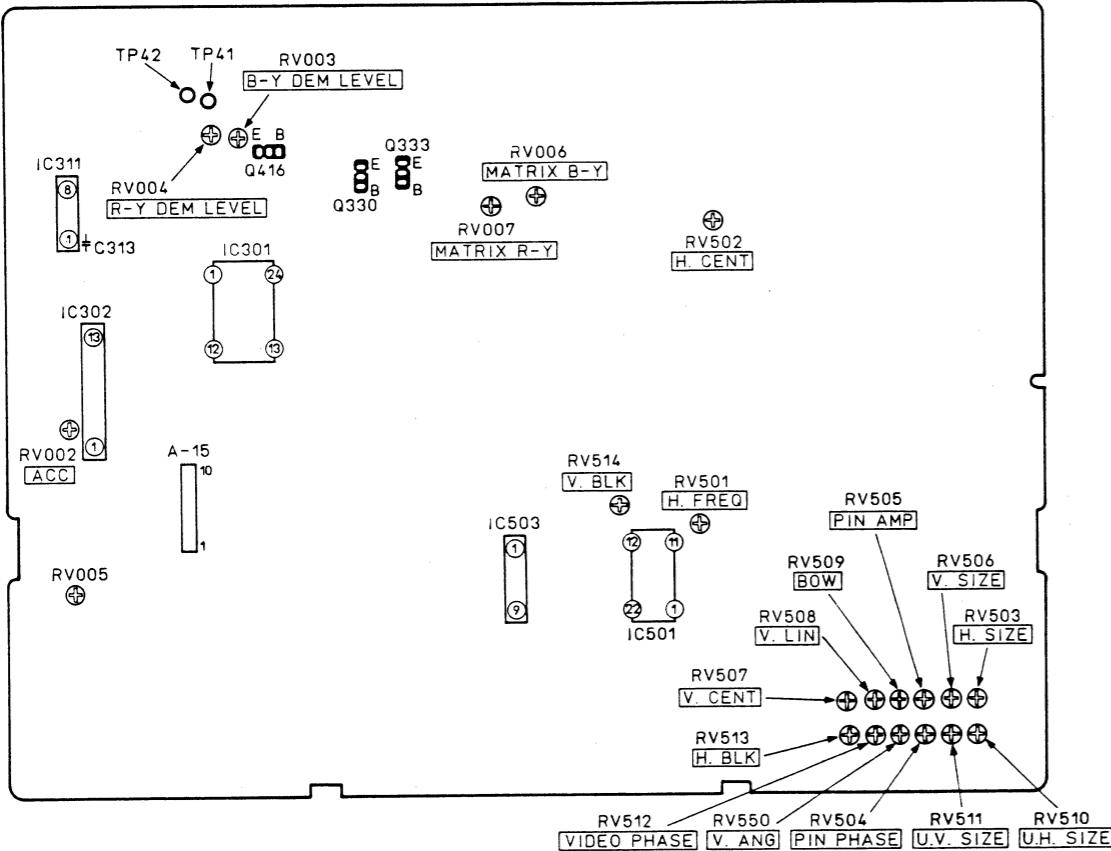


SECTION 5

CIRCUIT ADJUSTMENTS

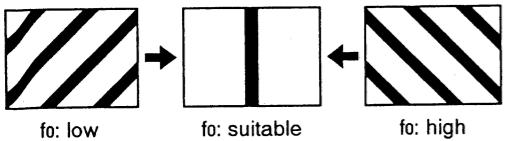
5-1. A BOARD ADJUSTMENTS

A BOARD—COMPONENT SIDE—



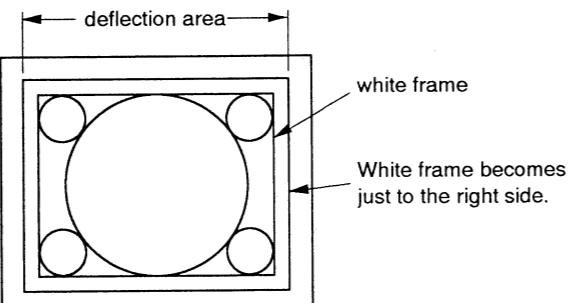
HORIZONTAL OSCILLATION FREQUENCY ADJUSTMENT (RV501)

1. Receive a monoscope signal.
2. Connect pin ① of IC501 to ground with $100 \mu\text{F}/16\text{ V}$ electrolytic capacitor.
3. Adjust RV501 so that the screen streaming to stops.

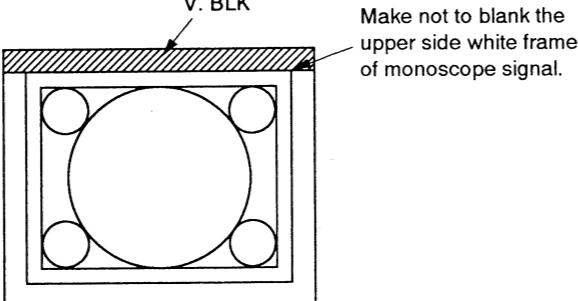


U/H, SIZE, VIDEO PHASE, H-V BLK ADJUSTMENTS (RV510, RV512, RV513, RV514)

1. Receive a monoscope signal.
2. Set U/S (Under Scan) switch to Under mode.
3. • CONTRAST Minimum
• BRIGHTNESS Maximum
4. Adjust RV510 (U. H. SIZE) so that the white frame of monoscope signal becomes visible.
5. Adjust RV512 (Video Phase) so that the white frame of monoscope signal becomes to the right side just on the screen.

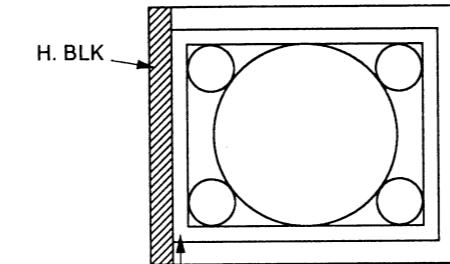


6. V. BLK Adjustment (RV514)
 - (I) Adjust RV514 (V. BLK) so that the upper side white frame of monoscope signal is not blanked.



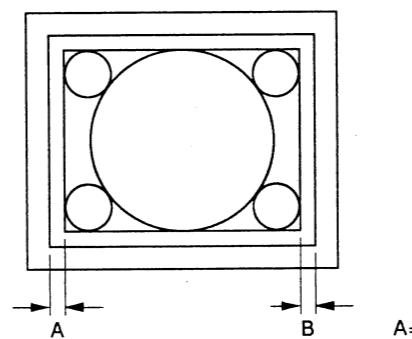
7. H. BLK Adjustment (RV513)

- (I) Adjust with RV513 (H. BLK) so that the vertical line of the white frame of monoscope signal is blanked as following figure.

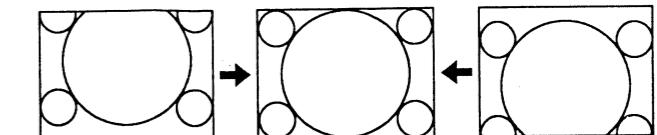


8. Screen Phase Adjustment (RV512)

- (I) Adjust RV512 (Video Phase) so as to equalize the width of the white frame of monoscope signal on both sides of screen right and left.



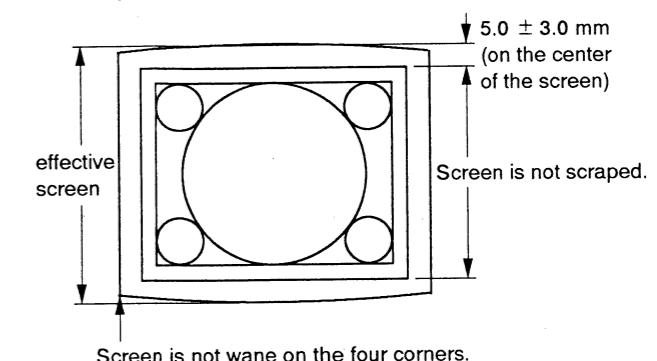
5. Adjust RV507 (V. CENT) the vertical position.



6. Adjust RV506 (V. SIZE) so that the vertical size of monoscope signal becomes 11.75 ± 0.2 frames.

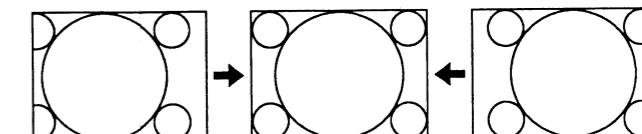
7. Set U/S (Under Scan) switch to Under mode.

8. Adjust with RV511 (U.V. SIZE) as follows.

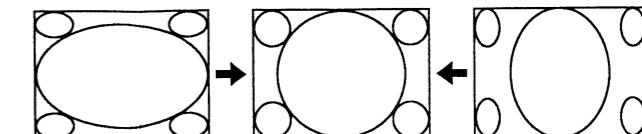


HORIZONTAL DEFLECTION PART ADJUSTMENTS (RV502, RV503, RV504, RV505, RV509, RV510, RV550)

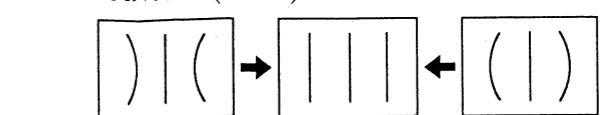
1. Receive a monoscope signal.
2. • CONTRAST 70%
• BRIGHTNESS 50%
3. H. CENT Adjustment (RV502)
 - (I) Adjust RV502 (H. CENT) the horizontal position.



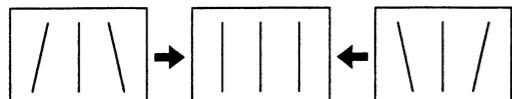
4. H. SIZE Adjustment (RV503)
 - (I) Adjust RV503 (H. SIZE) the horizontal size.



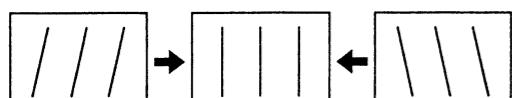
5. PIN AMP, PIN PHASE, V. ANG, BOW Adjustments (RV505, RV504, RV509, RV550)
 - PIN AMP (RV505)



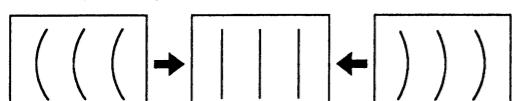
• PIN PHASE (RV504)



• V. ANG (RV550)



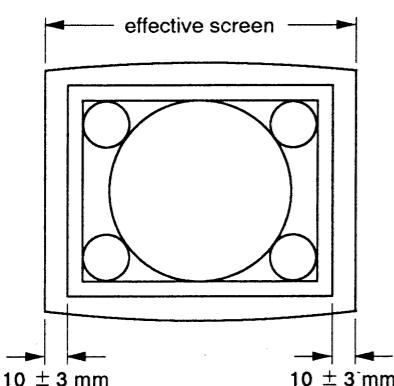
• BOW (RV509)



6. Adjust RV503 (H. SIZE) so that the horizontal size becomes 15.75 ± 0.2 frames.

7. Set U/S (Under Scan) switch to Under mode.

8. Adjust RV510 (U.H. SIZE) the Under H. SIZE as follows.

**H-VDELAY ADJUSTMENT (VR1, VR2)**

1. Receive a monoscope signal.

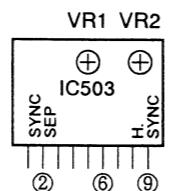
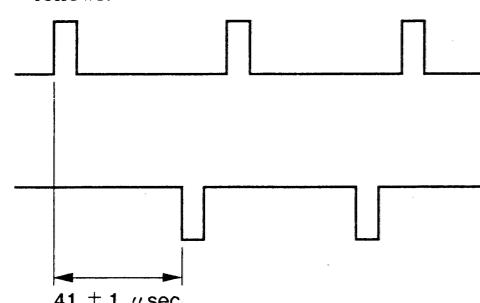
2. • CONTRAST 70%
• BRIGHTNESS 50%

3. Set H-V DELAY switch to DELAY mode.

4. H. DELAY Adjustment (VR1)

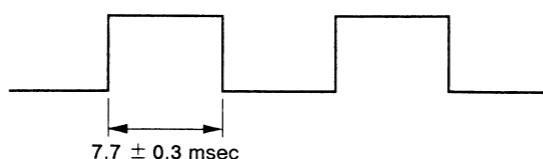
(1) Connect an oscilloscope to pin ② (SYNC SEP) and pin ⑨ (H. SYNC) of IC503.

(2) Adjust VR1 of IC503 to become $41 \pm 1 \mu\text{sec}$ as follows.

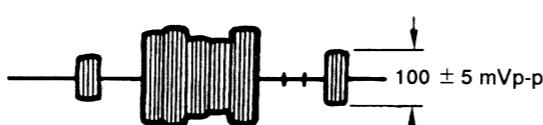


5. V. DELAY Adjustment (VR2)

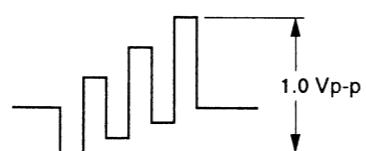
- (1) Connect an oscilloscope to pin ⑥ of IC503.
- (2) Adjust VR2 of IC503 to become 7.7 ± 0.3 msec as follows.

**ACC ADJUSTMENT (RV002)**

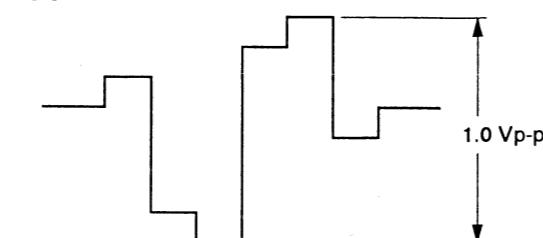
1. Receive a color-bar signal (EIA color-bar).
2. Connect an oscilloscope to pin ② of IC311.
3. Adjust RV002 so that the burst signal level becomes $100 \pm 5 \text{ mVp-p}$.

**B-Y DEM LEVEL ADJUSTMENT (RV003)**

1. Receive a color-bar signal (75% chroma color-bar).
2. Connect an oscilloscope to TP42 (B-Y).
3. Adjust RV003 so that the B-Y waveform becomes 1.0 Vp-p .

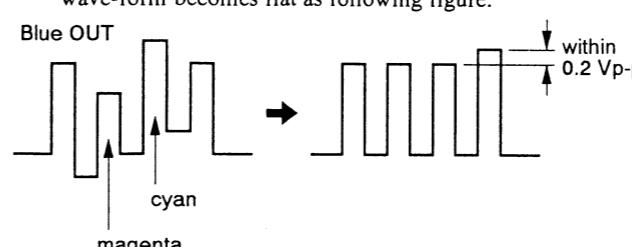
**R-Y DEM LEVEL ADJUSTMENT (RV004)**

1. Receive a color-bar signal (75% chroma color-bar).
2. Connect an oscilloscope to TP41 (R-Y).
3. Adjust RV004 so that the R-Y waveform becomes 1.0 Vp-p .

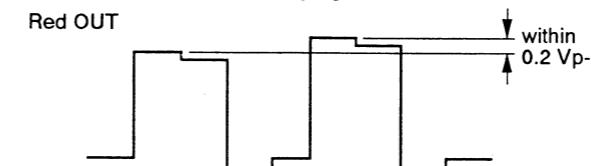
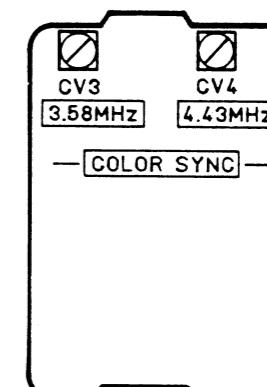
**MATRIX ADJUSTMENT (RV006, RV007)**

1. Receive a color-bar signal.

white peak: 75%
black level: 0%
chroma max.: 75%
chroma min.: 0%
2. CONTRAST 70%
3. Connect an oscilloscope to pin ⑤ (B OUT) of A-15.
4. Adjust RV006 (B-Y) so that the BLUE OUT wave-form becomes flat as following figure.



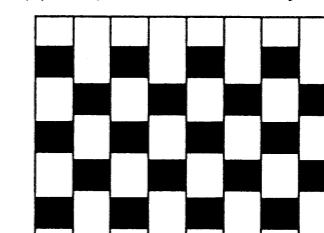
5. When there is difference between cyan portion and magenta portion, adjust with RV006 while tracking with PHASE volume for user control.
6. Connect an oscilloscope to pin ⑧ (R OUT) of A-15.
7. Adjust RV007 (R-Y) so that the RED OUT wave-form becomes flat as following figure.

**5-2. XA BOARD ADJUSTMENT**

XA BOARD
—COMPONENT SIDE—

COLOR SYNCHRONIZATION (CW) ADJUSTMENT (CV3, CV4)

1. Short-circuit pins ⑨ and ⑩ of IC301 on A board.
2. Connect pin ③ of IC311 on A board to +12 V line via $4.7 \text{ k}\Omega$ resistor.
3. Short-circuit base and emitter of Q416 on A board.
4. 3.58 MHz Adjustment (CV3)
 - (1) Receive a color-bar signal (EIA color-bar).
 - (2) Adjust CV3 the color synchronization.

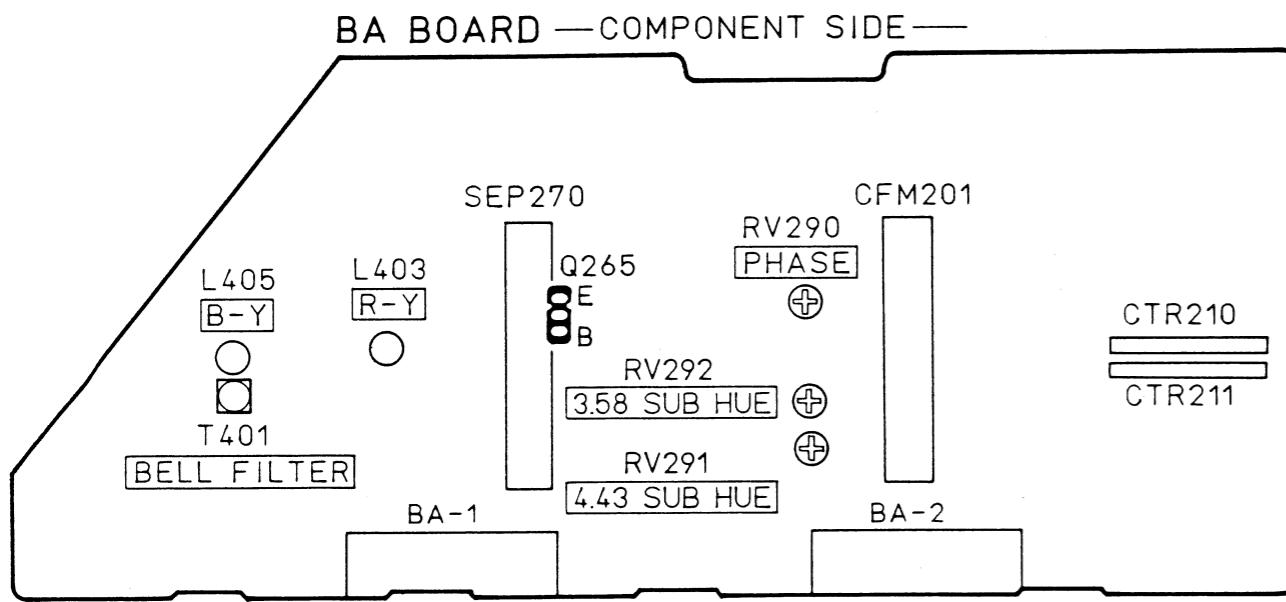


Adjust so that color stripes disappear and the hue change is stabilized extremely.

5. 4.43 MHz Adjustment (CV4)
 - (1) Receive a color-bar signal (EBU color-bar).
 - (2) Adjust CV4 the color synchronization.
6. Remove the short-circuit positions pins ⑨ and ⑩ of IC301 and base and emitter of Q416.

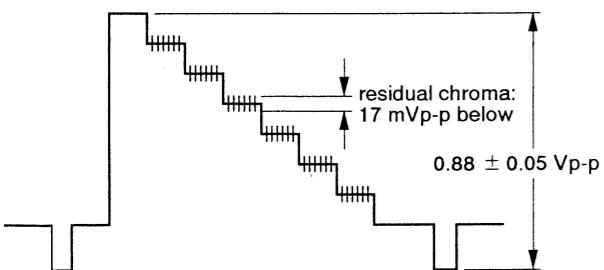
CAUTION: This adjustment (XA board adjustment) should be made earlier than all adjustments of color.

5-3. BA BOARD ADJUSTMENTS



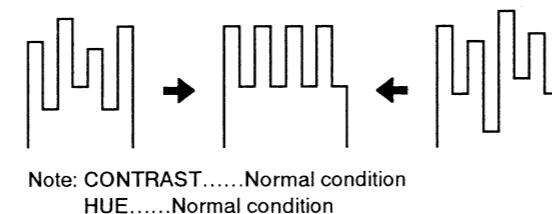
NTSC 3.58 MHz ADJUSTMENT (RV292)

1. Receive NTSC 3.58 color-bar signal.
2. Connect to pin ⑪ (Y-OUT) of BA-2 connector.
3. Confirm the Y-OUT is 0.88 ± 0.05 Vp-p.
4. Confirm the residual chroma is 17 mVp-p below. When it is above 17 mVp-p, adjust with RV1 and T1 inside CFM201 while tracking.

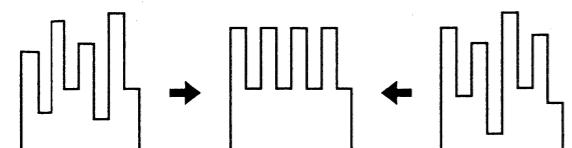


NTSC 4.43 MHz ADJUSTMENT (RV291)

1. Receive NTSC 4.43 color-bar signal.
2. Confirm the voltage on pin ④ of CTR210 is above 5.0 V DC, and on pin ⑤ of CTR210 is below 0.1 V DC.
3. Connect an oscilloscope to pin ⑤ of A-15 connector.
4. Adjust RV291 (4.43 SUB HUE) so that the BLUE OUT waveform level becomes flat as following figure.

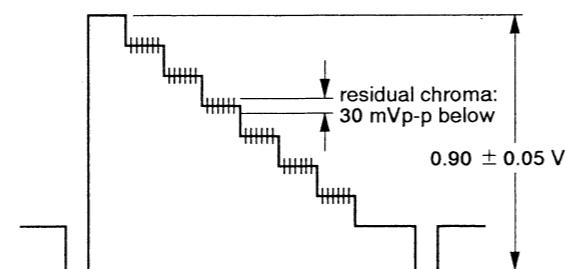


5. Connect an oscilloscope to pin ⑤ (B-OUT) of A-15 connector.
6. Adjust RV292 (3.58 SUB HUE) so that the BLUE OUT waveform level becomes flat as following figure.



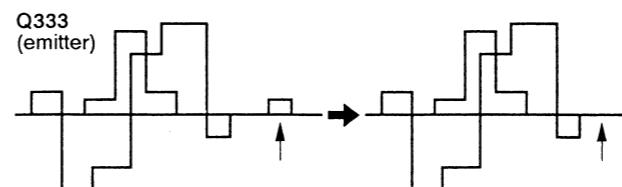
PAL ADJUSTMENTS (RV290)

1. Receive PAL 4.43 color-bar signal.
2. Confirm the voltage on pin ④ of CTR210 is above 5.0 V DC, and on pin ⑤ of CTR210 is below 1.0 V DC.
3. Connect an oscilloscope to pin ⑪ of BA-2 connector.
4. Confirm the Y-OUT is 0.90 ± 0.05 Vp-p and the residual chroma is below 30 mVp-p.

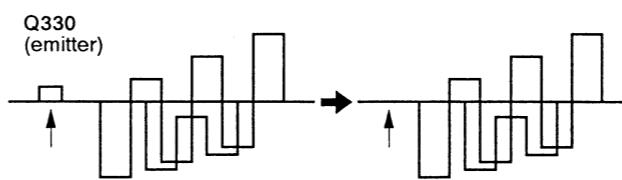


5. ANTI-PAL Adjustment (RV290)

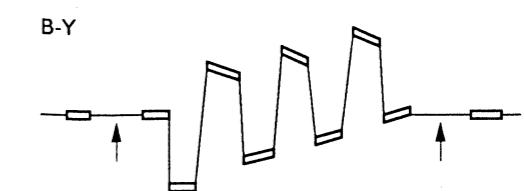
- (1) Receive the special PAL color-bar.
- (2) Connect an oscilloscope to emitter of Q333 on A board, and adjust RV290 (PHASE) so that R-Y anti-PAL portion becomes flat as following figure.



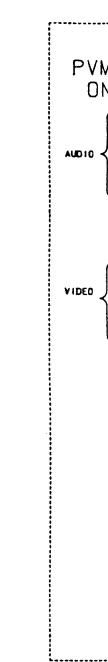
- (3) Connect an oscilloscope to emitter of Q330 on A board, and adjust RV2 inside SEP270 so that B-Y anti-PAL portion becomes flat as following figure.



- (4) Adjust L405 (B-Y) so that the non-colored portion level becomes flat.

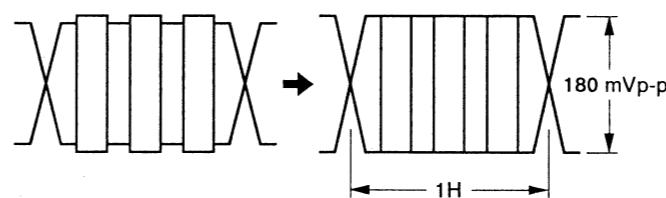


6-1. FR

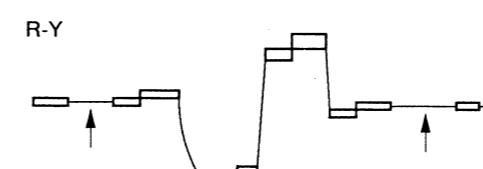


SECAM ADJUSTMENTS (T401, L403, L405)

1. Receive SECAM color-bar.
2. Bell Filter Adjustment (T401)
 - (1) Connect an oscilloscope to emitter of Q265.
 - (2) Adjust T401 (Bell Filter) so that the chroma waveform becomes smooth.



3. Color Balance Adjustment (L403)
 - (1) Connect an oscilloscope to pin ⑦ (R-Y) of BA-1 connector.
 - (2) Adjust L403 (R-Y) so that the non-colored portion level becomes flat.

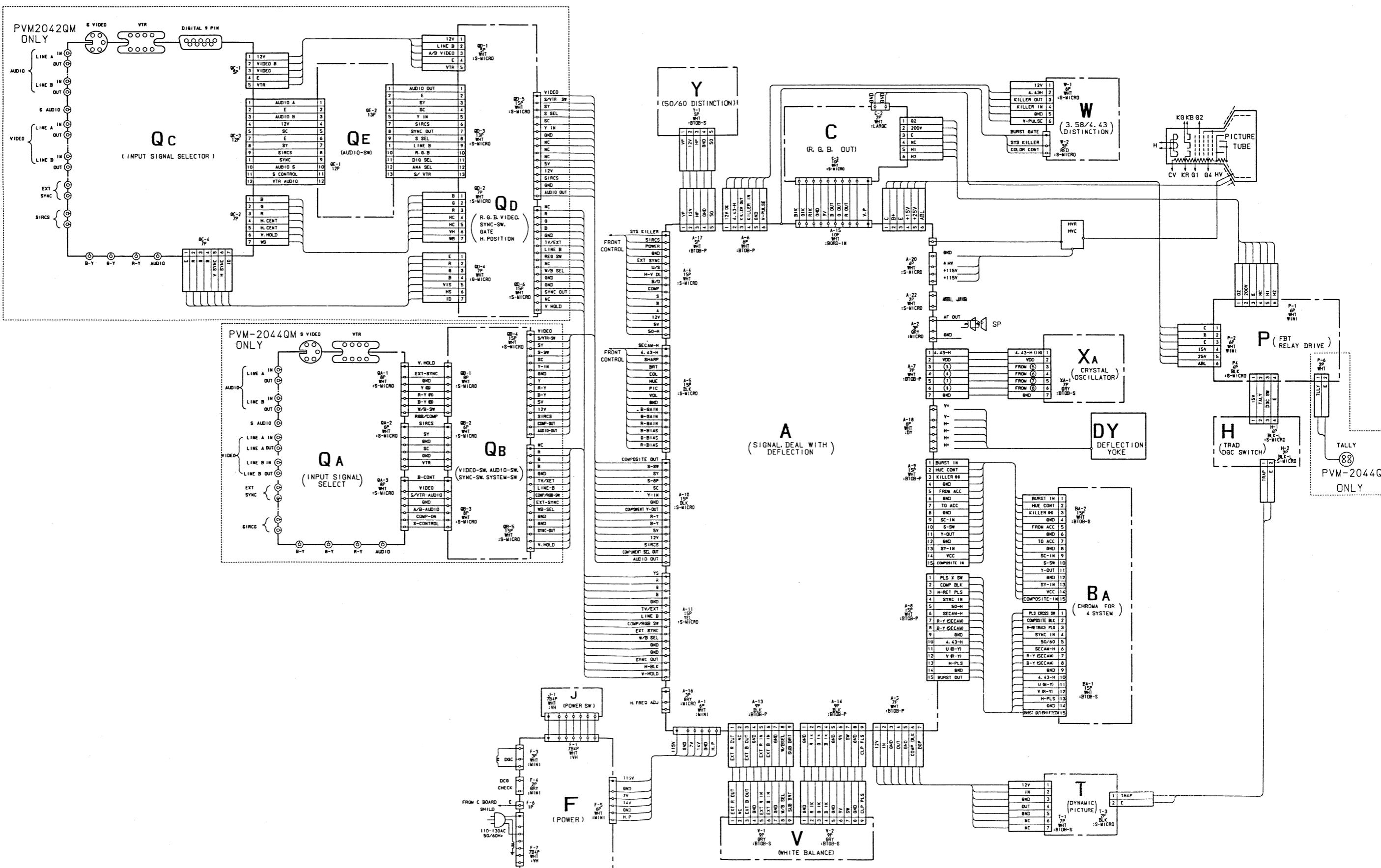


- (3) Connect an oscilloscope to pin ⑧ (B-Y) of BA-1 connector.

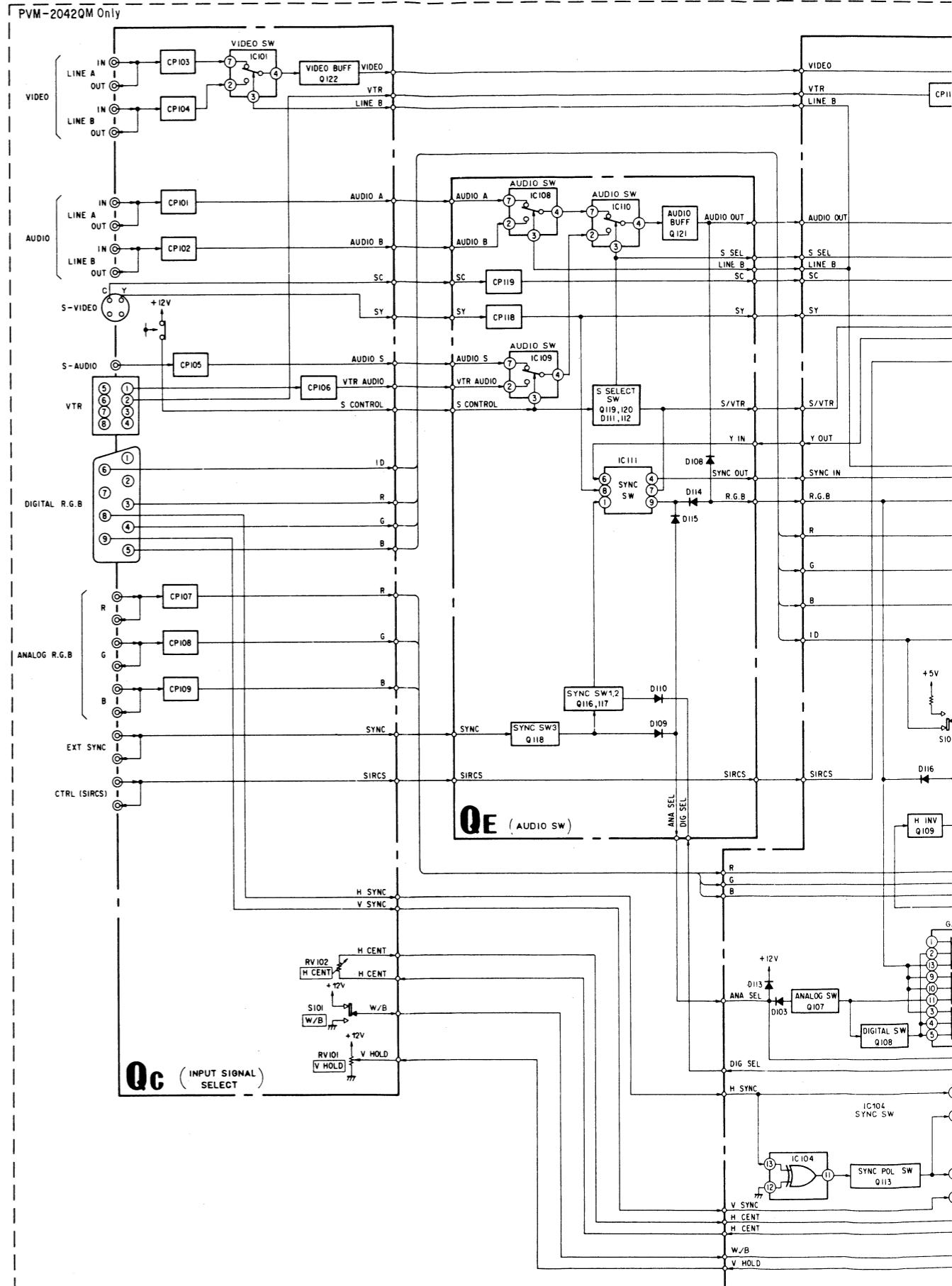
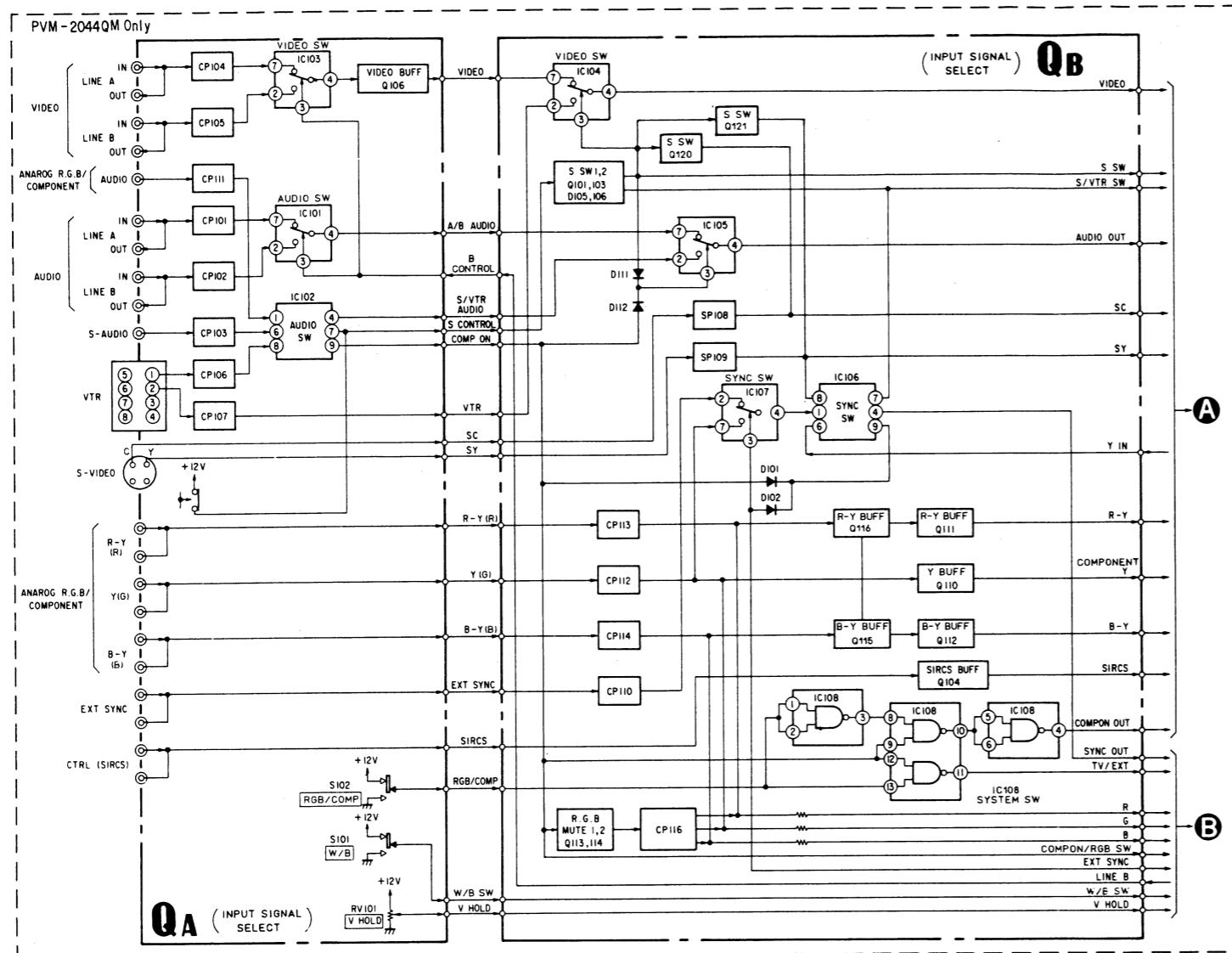
SECTION 6

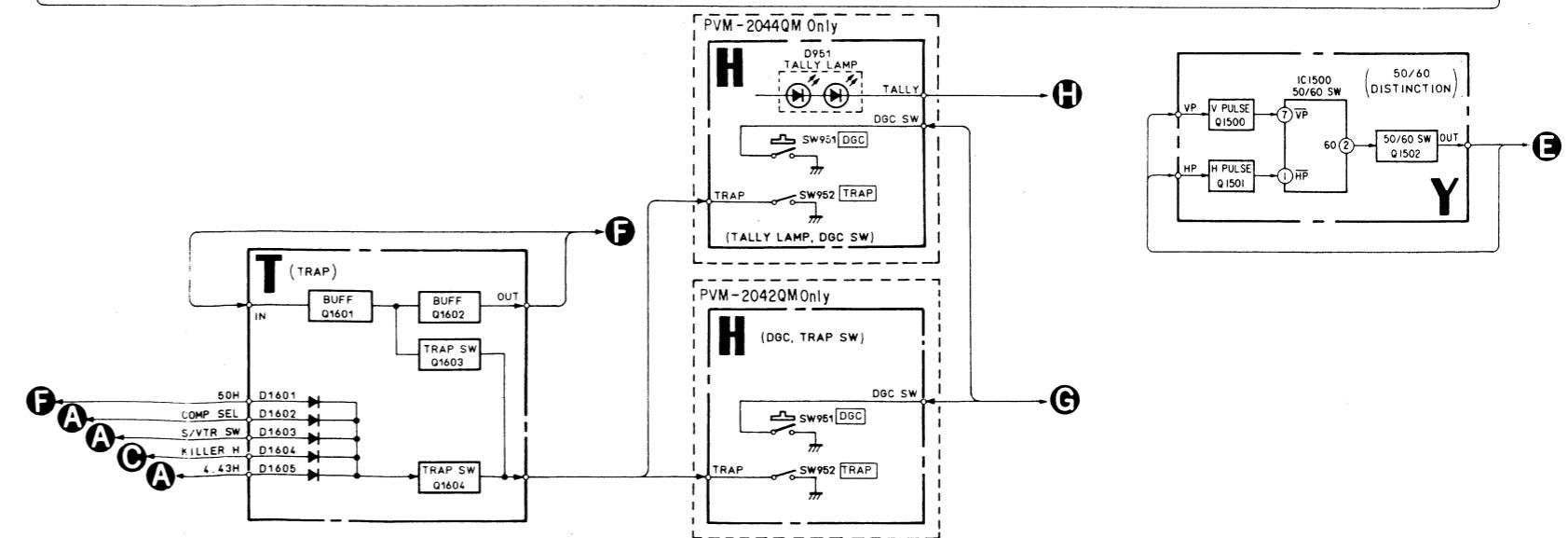
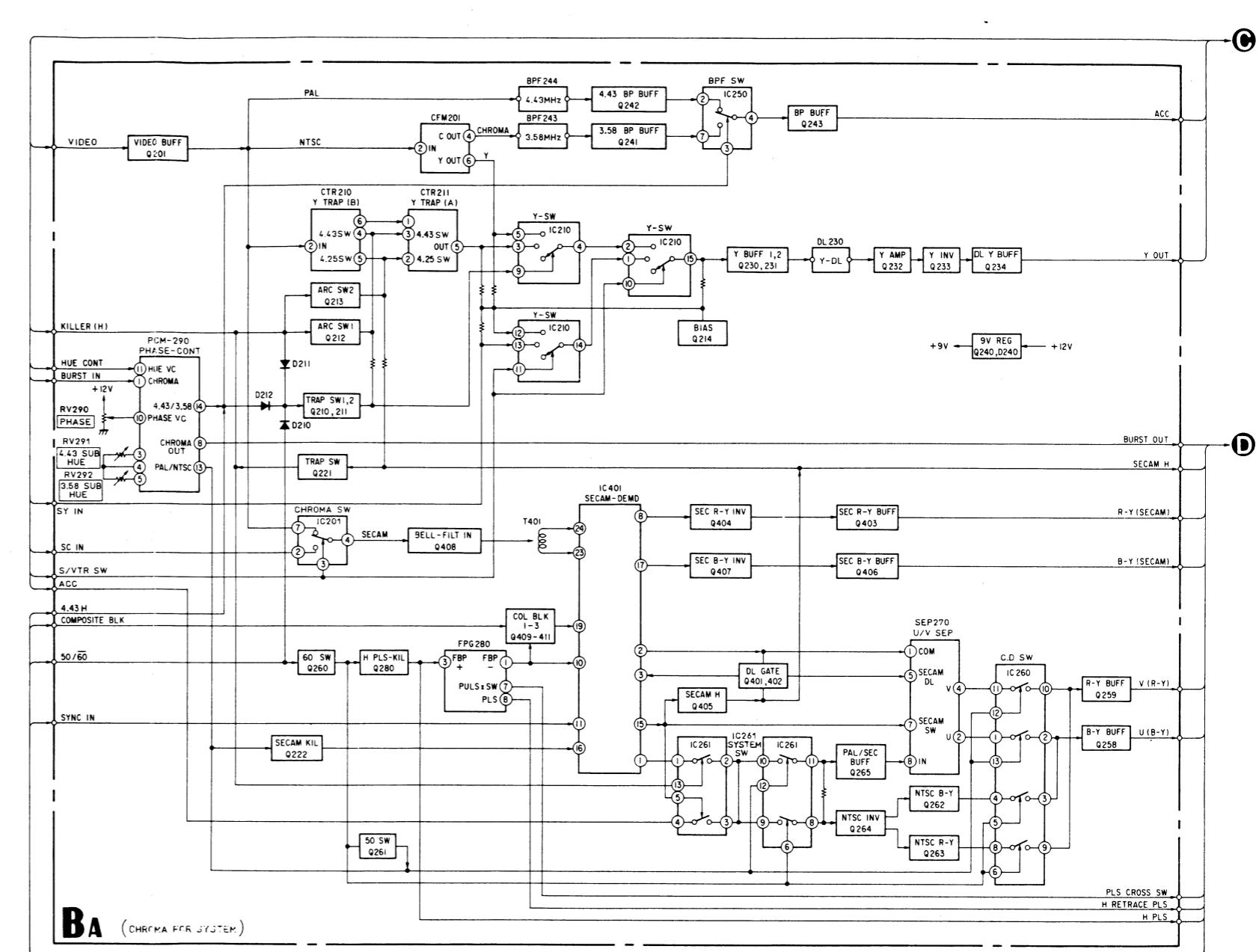
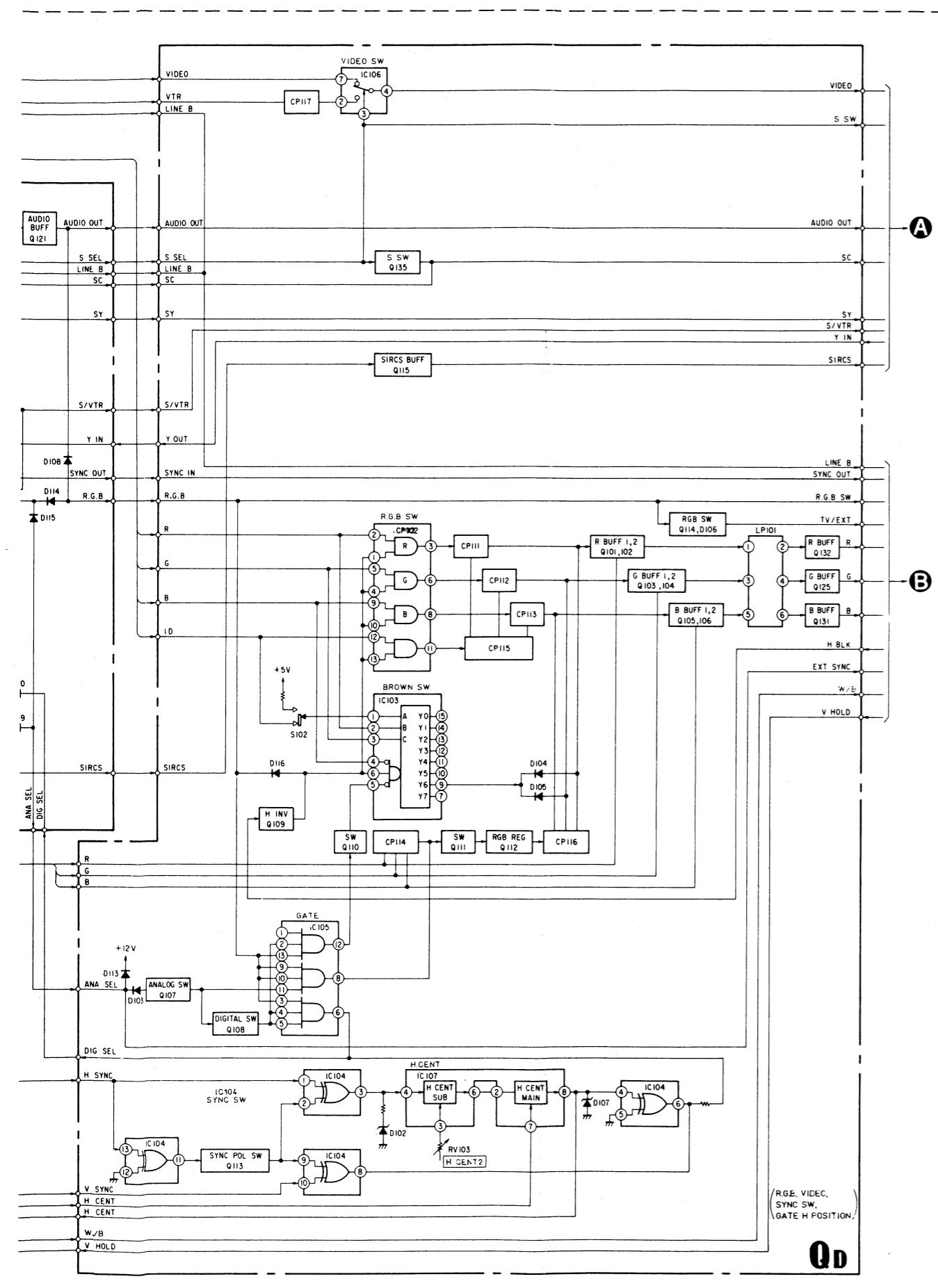
DIAGRAMS

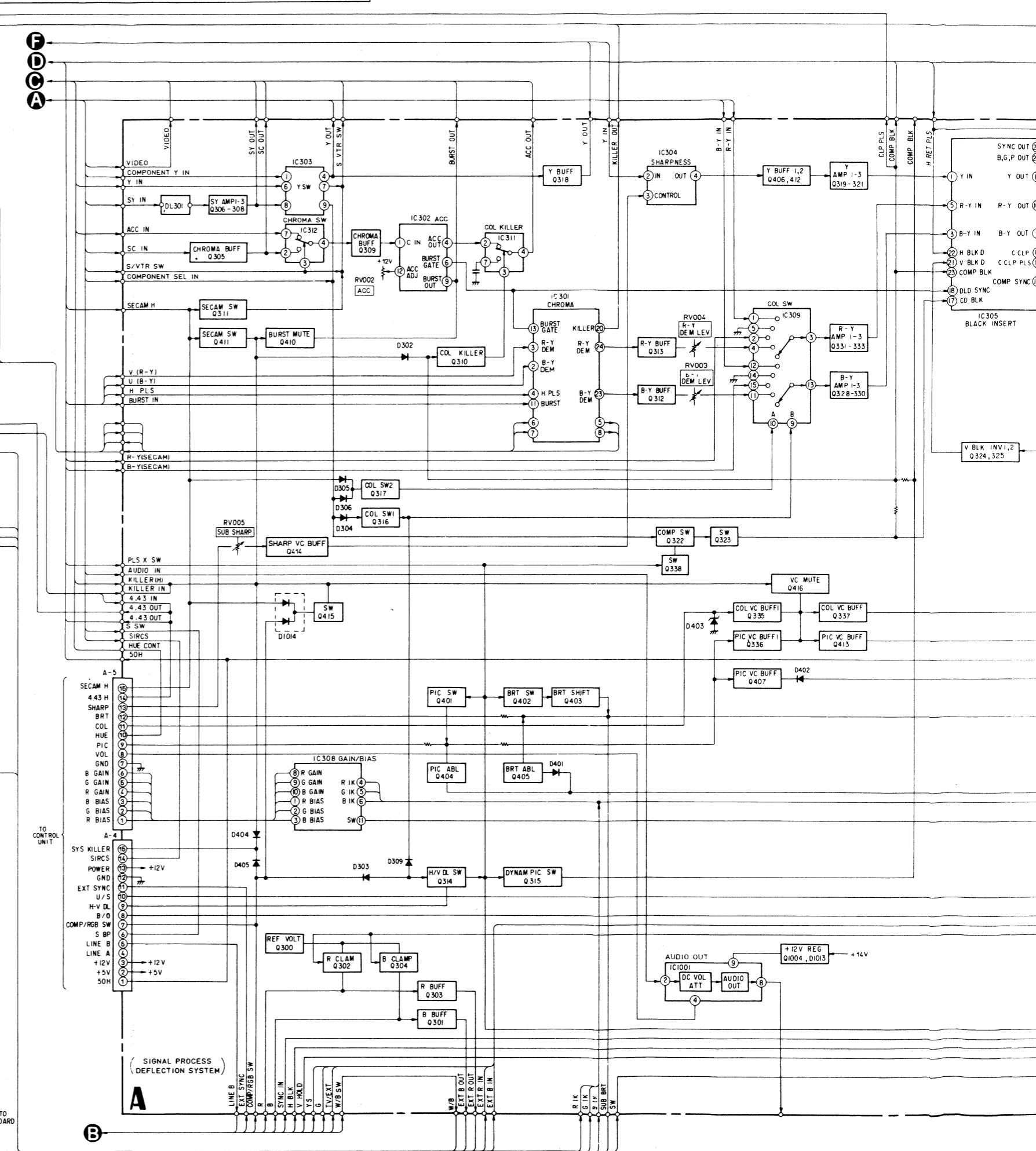
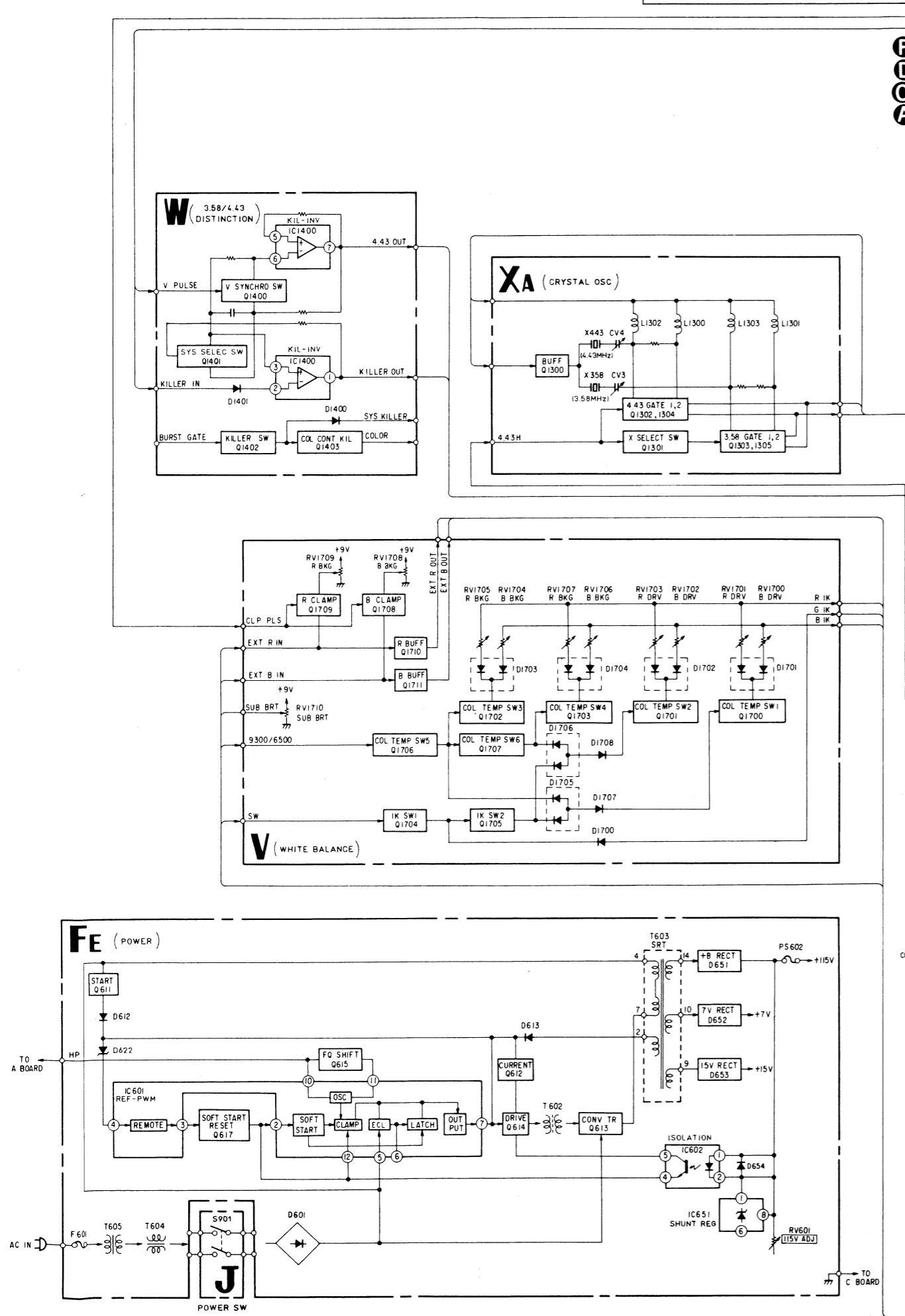
6-1. FRAME SCHEMATIC DIAGRAM

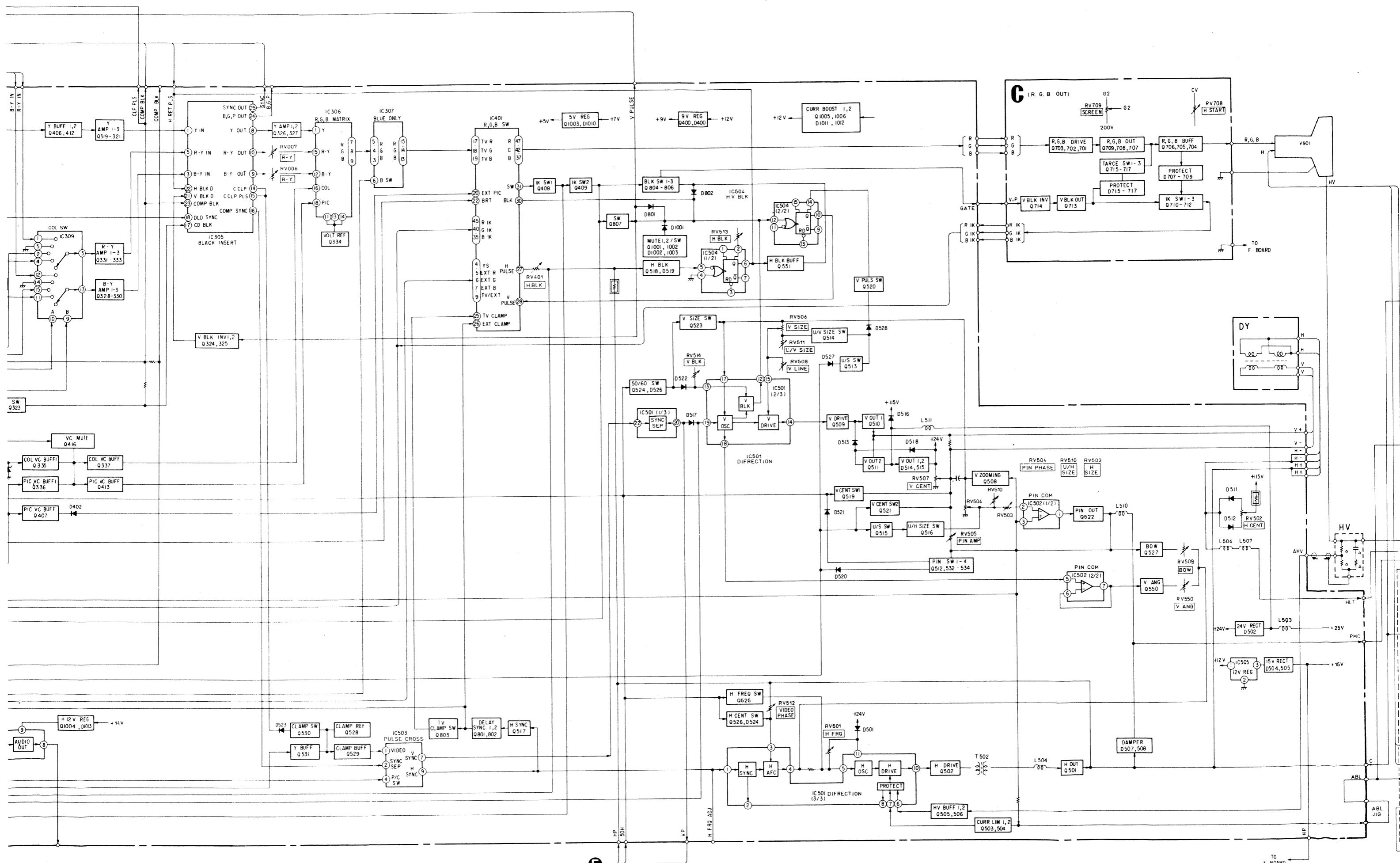


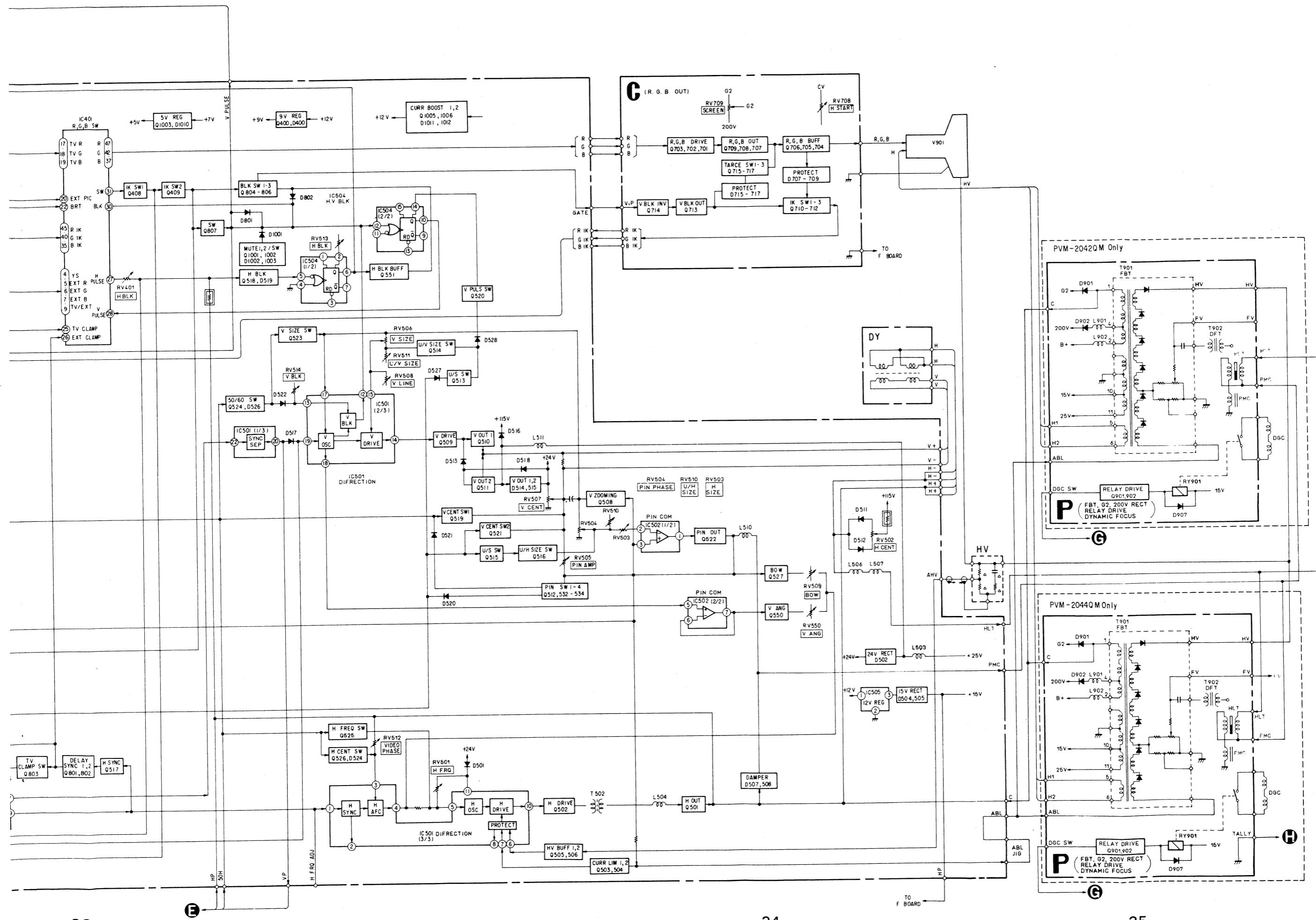
6-2. BLOCK DIAGRAMS









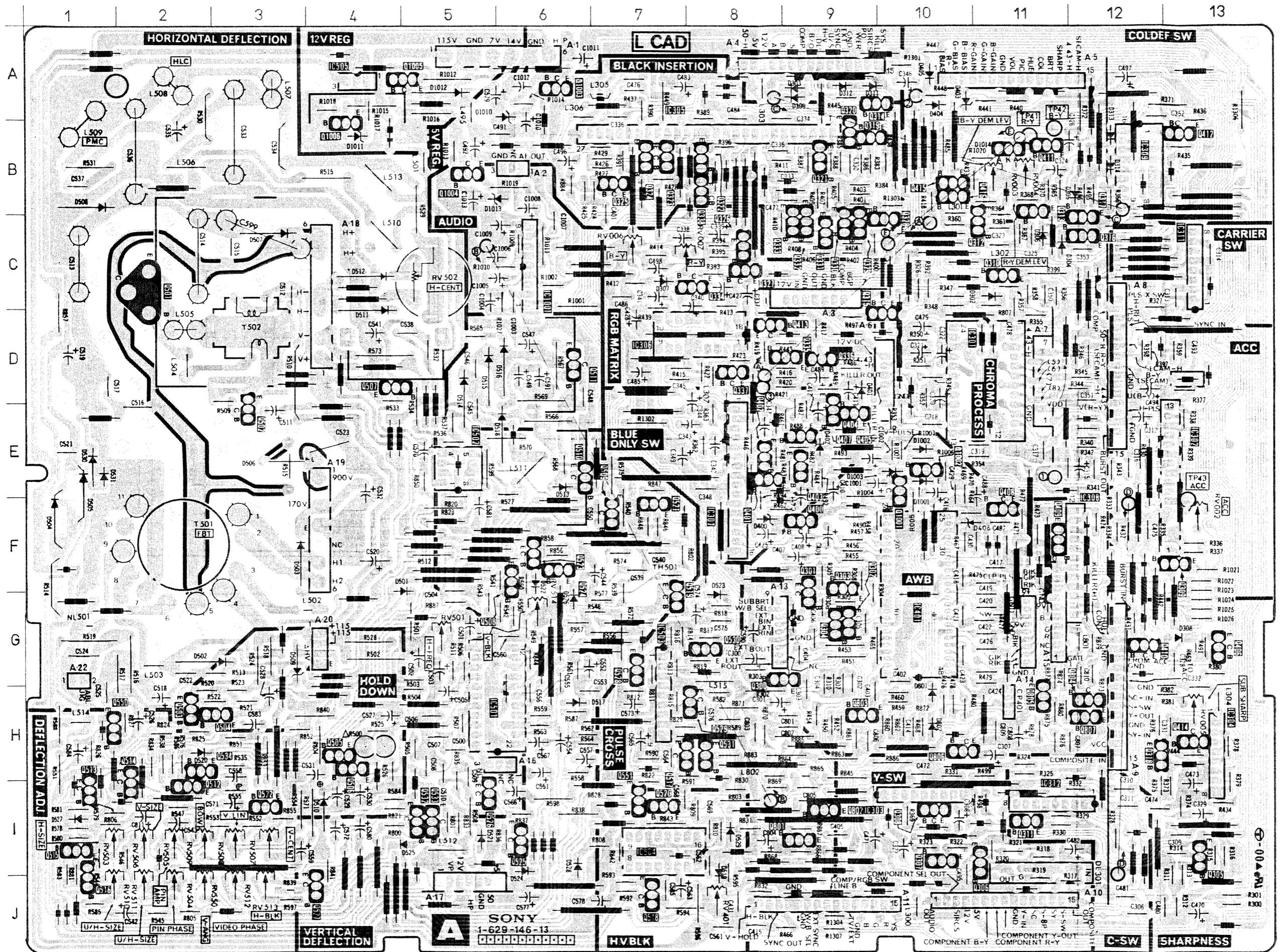


6-3. PRINTED WIRING BOARDS - Conductor Side -
- A Board -

PVM-2042QM/2044QM PVM-2042QM/2044QM

A

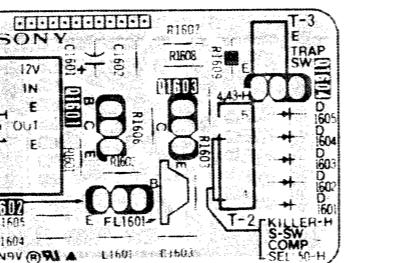
[SIGNAL PROCESS, DEFLECTION SYSTEM]



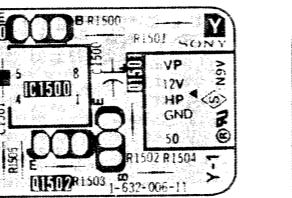
IC	
Q330	C-9
Q331	C-9
Q332	C-9
Q333	C-8
Q334	C-8
Q335	D-9
IC301	D-11
IC302	E-13
IC303	I-10
IC304	H-13
IC305	B-7
IC306	D-8
IC307	Q336
IC308	D-8
IC309	Q337
IC311	B-12
IC312	Q338
IC401	F-9
IC501	E-8
IC502	C-13
IC503	Q400
IC504	E-8
IC505	E-9
IC1001	G-10
Q300	H-5
Q301	E-9
Q302	G-9
Q303	G-9
Q304	G-9
Q305	I-13
Q306	I-11
Q307	I-10
Q308	I-10
Q309	I-13
Q310	F-6
Q311	E-6
Q312	D-6
Q313	I-2
Q314	I-1
Q315	I-1
Q316	J-1
Q317	H-7
Q318	J-7
Q319	G-7
Q320	I-7
Q321	F-7
Q322	I-3
Q323	F-6
Q324	F-6
Q325	I-6
Q326	I-5
Q327	G-7
Q328	H-8
Q329	G-8

IC		Q330	C-9	Q531	H-8	D516	D-6
IC301 D-11		Q331	C-9	Q532	I-5	D517	H-6
IC302 E-13		Q332	C-9	Q533	I-5	D518	E-6
IC303 I-10		Q333	C-9	Q534	H-2	D519	J-8
IC304 H-13		Q334	C-8	Q550	H-1	D520	H-2
IC305 B-7		Q335	D-9	Q551	I-7	D521	I-5
IC306 D-8		Q336	D-9	Q801	I-9	D522	F-6
IC307 E-8		Q337	D-8	Q802	I-9	D523	G-8
IC308 F-12		Q338	B-8	Q803	H-9	D524	J-6
IC309 B-12		Q400	F-9	Q804	H-12	D526	G-6
IC311 C-13		Q401	E-8	Q805	H-11	D527	I-1
IC312 I-11		Q402	E-8	Q806	H-10	D528	I-6
IC401 G-10		Q403	E-9	Q807	H-12	D529	I-8
IC501 H-5		Q404	E-9	Q1001	E-10	D530	E-1
IC502 E-5		Q405	E-9	Q1002	E-10	D531	E-1
IC503 H-7		Q406	G-13	Q1003	A-6	D801	H-10
IC504 I-7		Q407	E-9	Q1004	B-5	D802	H-10
IC505 A-4		Q408	F-11	Q1005	A-4	D1001	E-10
IC1001 C-6		Q409	F-11	Q1006	B-4	D1002	E-10
		Q410	G-12			D1003	E-10
		Q411	B-11			D1010	A-6
		Q412	B-13			D1011	B-4
		Q413	D-8	DIODE		D1012	A-5
		Q414	H-13			D1013	B-5
		Q415	B-10	D302	C-11	D1014	B-11
		Q416	B-10	D303	A-9		
		Q501	C-2	D304	C-12		
		Q502	E-3	D305	B-11		
		Q503	H-2	D306	C-11		
		Q504	H-2	D307	C-7		
		Q505	H-4	D308	G-13	VARIABLE RESISTOR	
		Q506	H-4	D309	A-9	RV002	E-13
		Q507	D-4	D311	A-9	RV003	B-11
		Q508	F-6	D312	A-9	RV004	B-11
		Q509	F-7	D400	F-8	RV005	H-13
		Q510	E-6	D401	D-9	RV006	C-7
		Q511	D-6	D402	E-9	RV007	C-7
		Q512	I-2	D403	A-10	RV501	G-5
		Q513	I-1	D404	A-10	RV502	C-5
		Q514	I-2	D405	A-10	RV503	I-1
		Q515	I-1	D501	G-4	RV504	J-2
		Q516	J-1	D502	G-2	RV505	I-2
		Q517	H-7	D503	F-3	RV506	I-2
		Q518	J-7	D504	F-1	RV507	I-3
		Q519	G-7	D505	E-1	RV508	I-3
		Q520	I-7	D506	E-3	RV509	I-2
		Q521	F-7	D507	C-3	RV510	J-1
		Q522	I-3	D508	B-1	RV511	J-2
		Q523	F-6	D509	G-3	RV512	J-3
		Q524	F-6	D510	I-4	RV513	J-3
		Q525	I-6	D511	D-4	RV514	G-6
		Q526	I-5	D512	C-4	RV550	J-2
		Q528	G-7	D513	E-6		
		Q529	H-8	D514	D-5		
		Q530	C-8	D515	D-4		

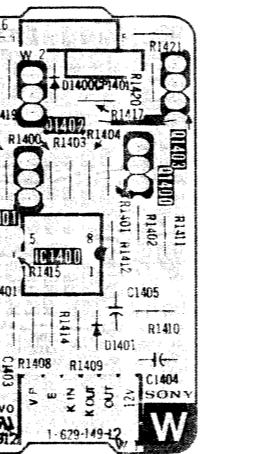
Board –



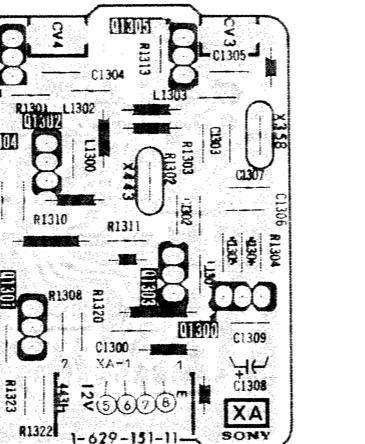
Board –



Board –



- XA Board -



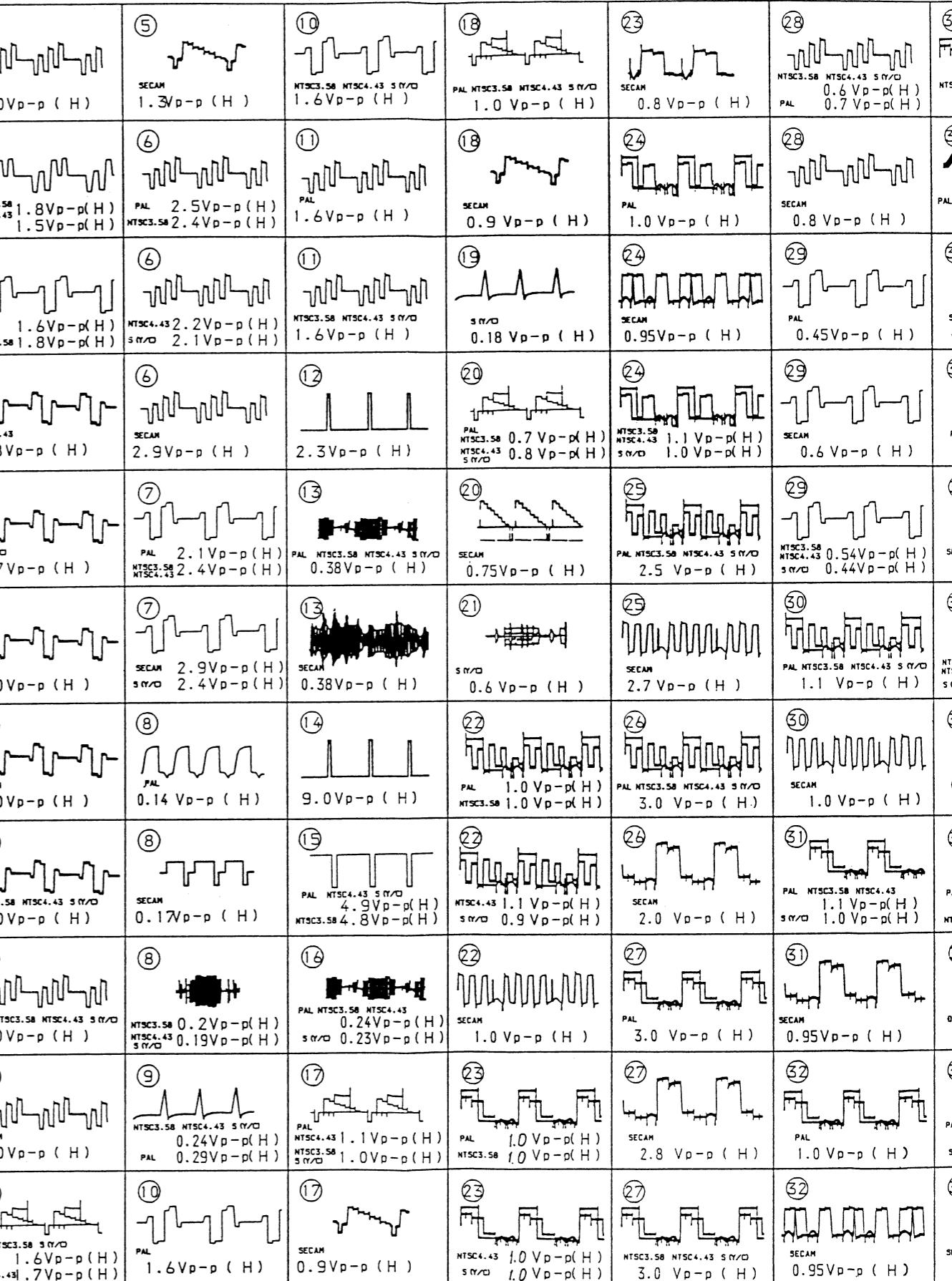
[TRAP]

3.58/4.43

A CRYSTAL
OSC

Y [50/60
DISTINCTION]

STANDARD WAVEFORMS



T

[TRAP]

W

3.58/4.43
DISTINCT

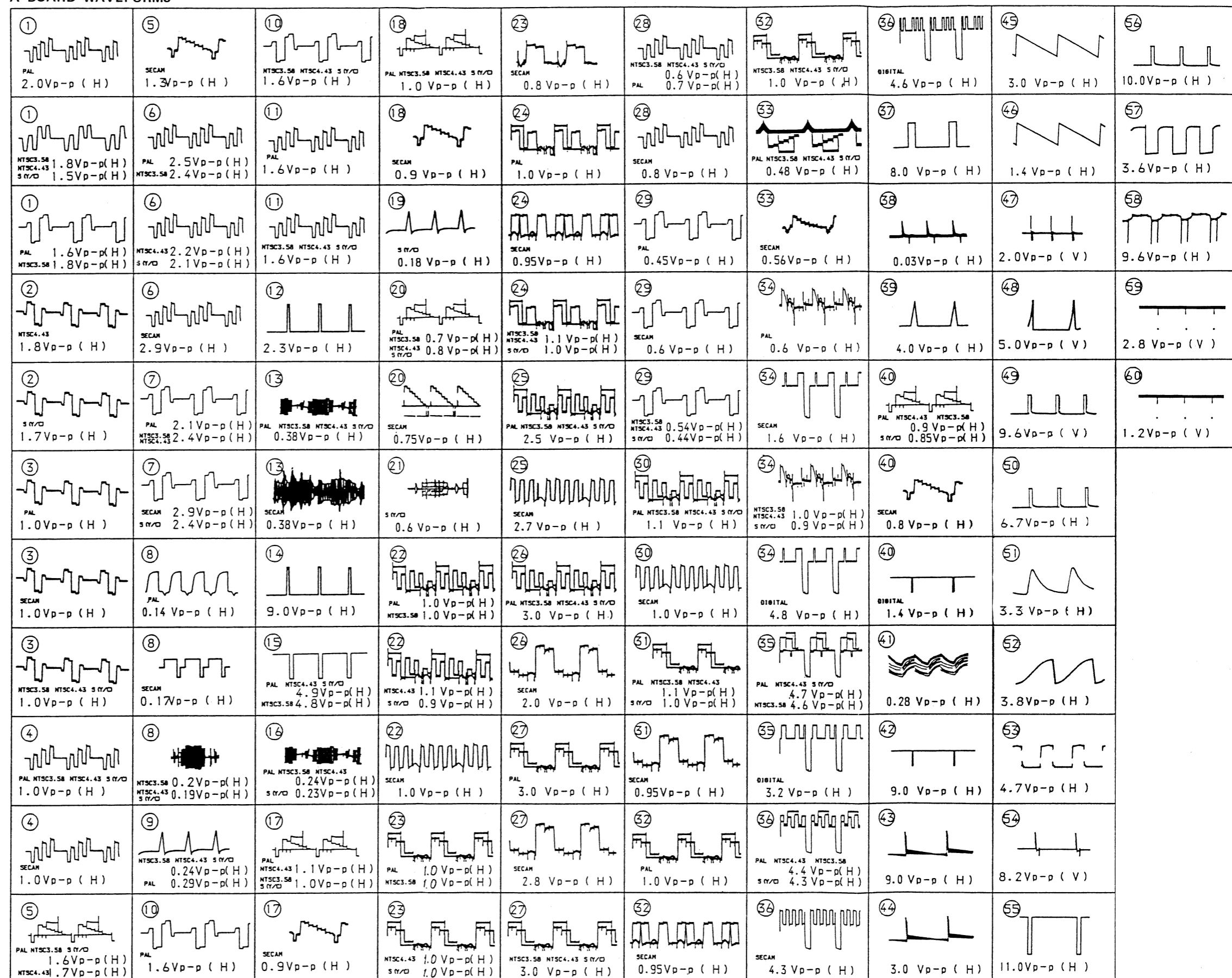
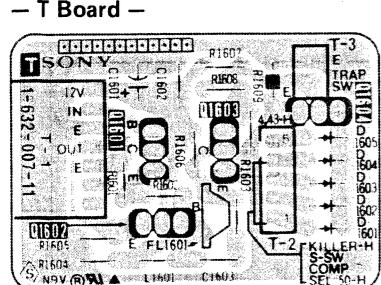
X

A CRYST
OSC

Y

[50/60
DISTINCTION]

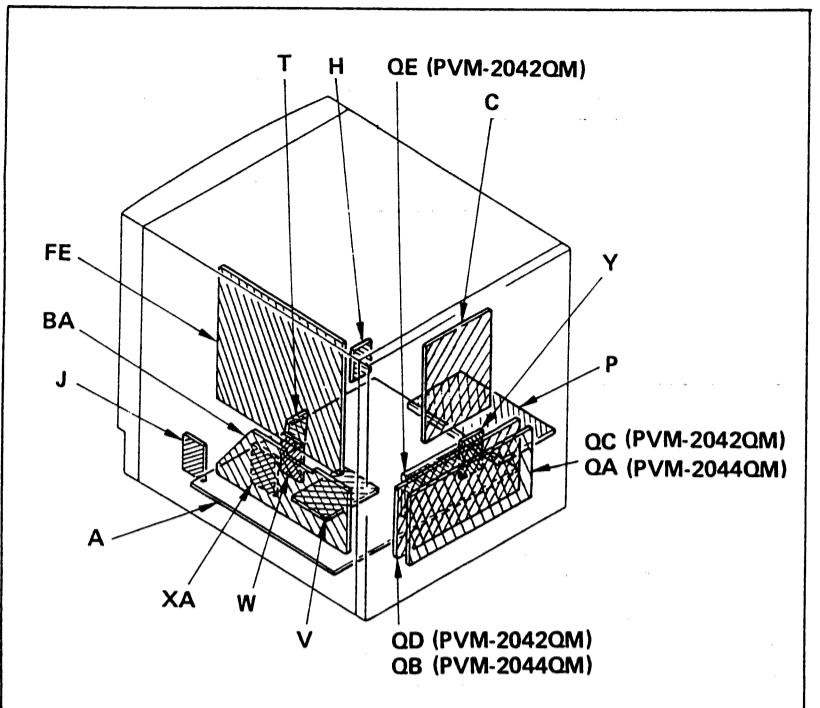
A BOARD WAVEFORMS



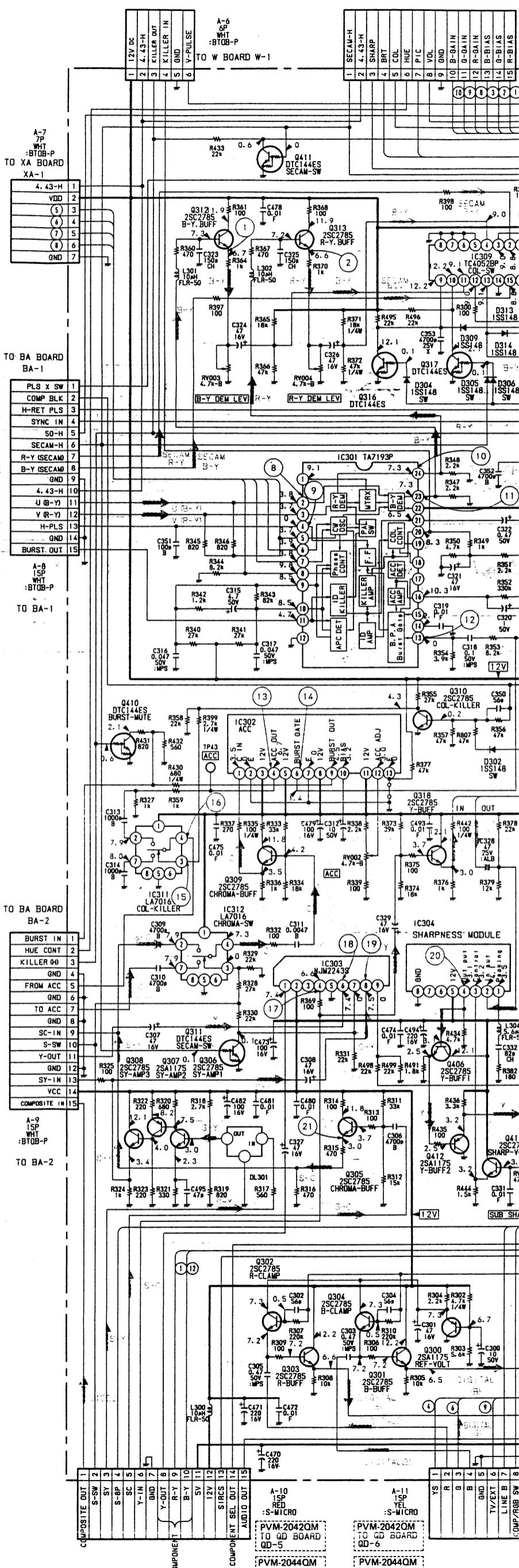
-39-

-40-

6-4. CIRCUIT BOARDS LOCATION



6-5. SCHEMATIC DIAGRAMS



Note:

- All capacitors are in μF unless otherwise noted. μF : μF
- 50 WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm
Rating electrical power $1/4 \text{ W}$

- All resistors are in ohms.
- : nonflammable resistor.
- : fuseable resistor.
- : internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- 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 R500 and R690 adjust on Page 17 and 18.)
- When replacing the part in below table, be sure to perform the related adjustment.

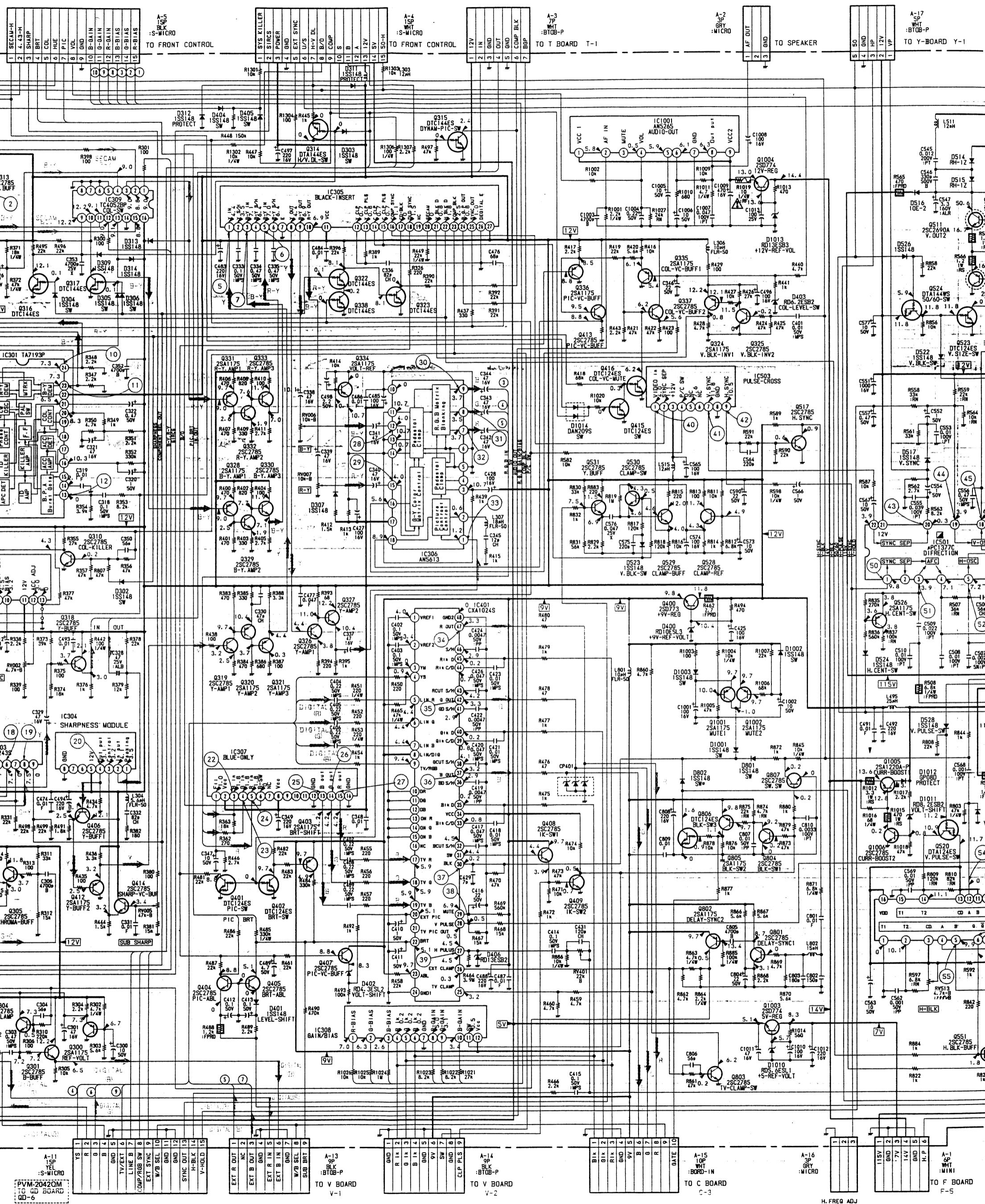
Part replaced ()	Adjustment ()
IC601, IC602, IC651, D654, D655, C658, C659, R634, R652, R653, R654, R655, R656, R657, R665, R671, R690, RV601	R690 (B+ MAX)
IC501, Q503, Q504, Q505, Q506, D509, D510, C505, C520, C524, C525, C526, C527, C528, C529, C530, C531, R500, R506, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R528, R804, NL501, HVR	R500 (HOLD-DOWN)

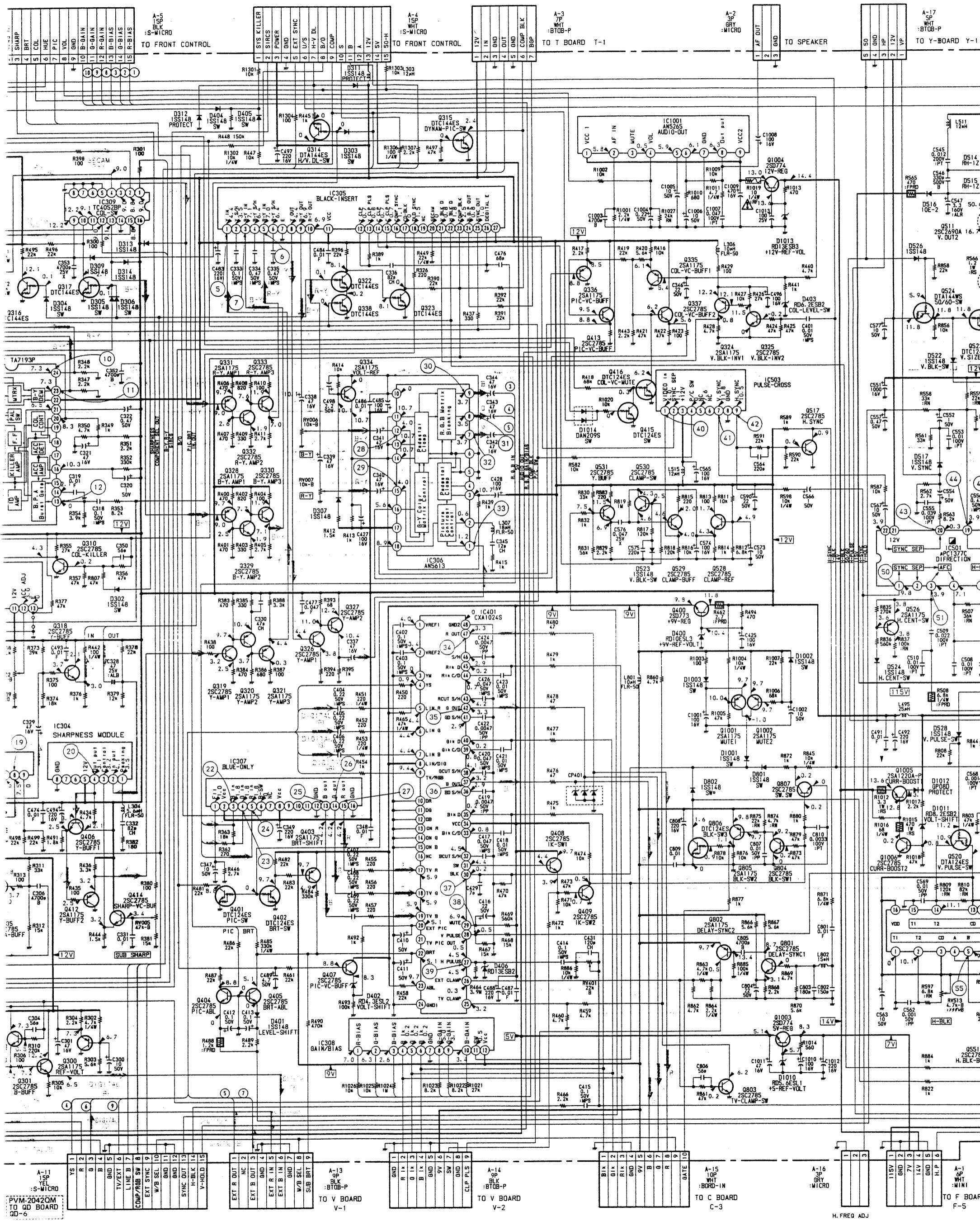
- All voltages are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Readings are taken with a NTSC 3.58 color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- : B+ bus.
- : B- bus.
- : signal path.
- No mark : with NTSC 3.58 color-bar signal received or common voltage.
- For the respective voltage ratings in PAL, SECAM, NTSC 4.43, S-VIDEO, and DIGITAL modes, see the table.

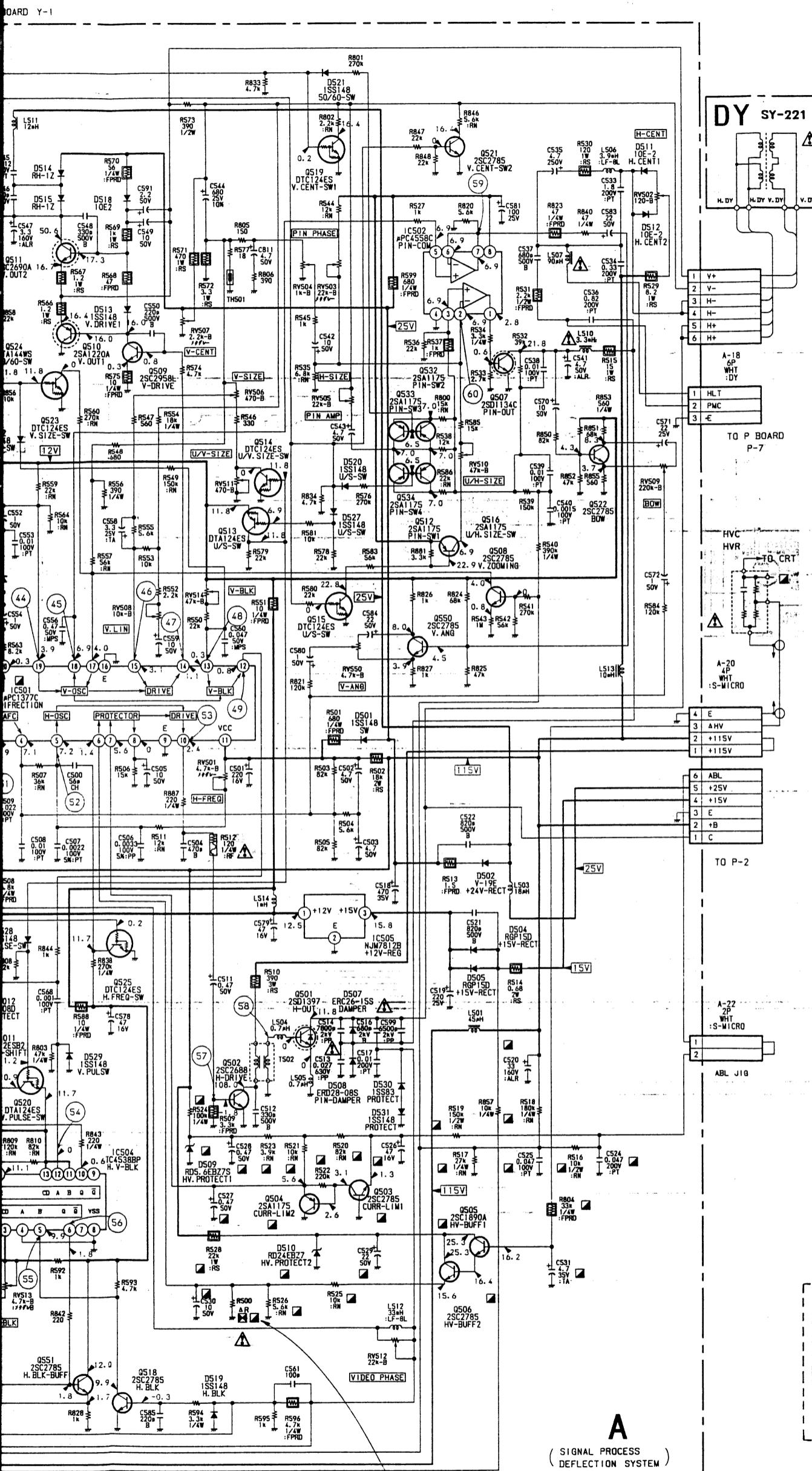
Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
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 components identified by shading and mark are critical for safety. Replace only with part number specified.

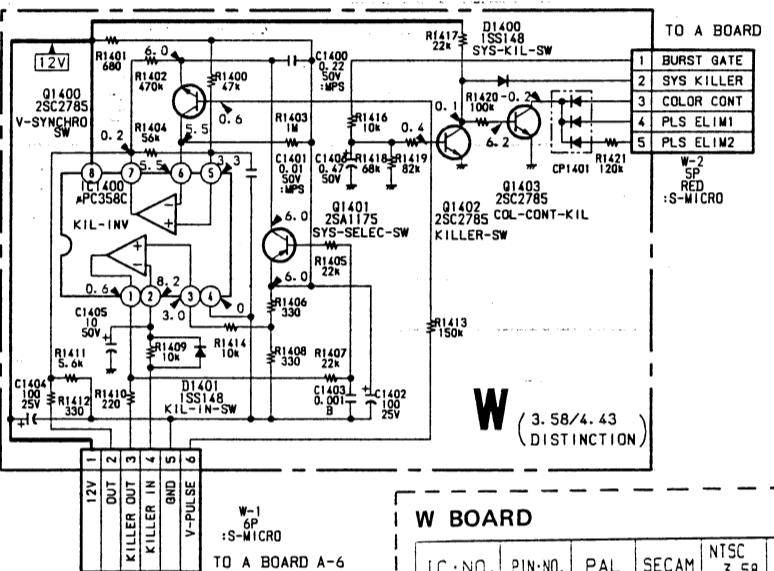
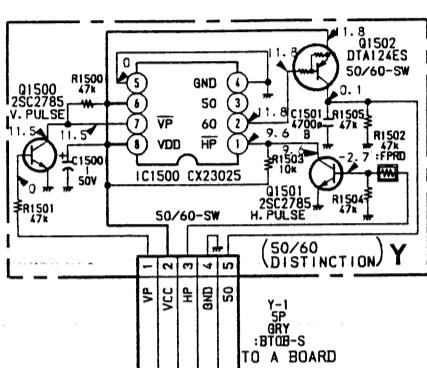
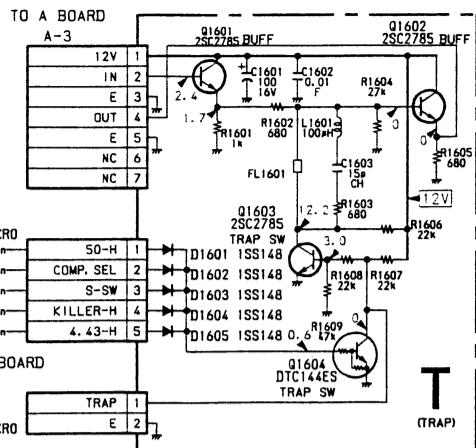






(SIGNAL PROCESS DEFLECTION SYSTEM)

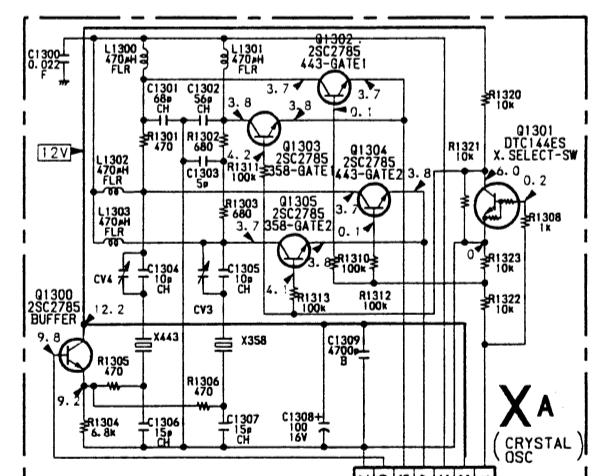
R500 : See page 17, 18



IC · NO.	PIN · NO.	PAL	SECAM	NTSC 3.58	NTSC 4.43
IC1400	(1)	3.6	10.8	0.6	0.6
	(2)	6.2	2.0	6.2	6.2
	(3)	9.2	■	3.5	8.2
	(7)	10.8	■	0.2	0.6

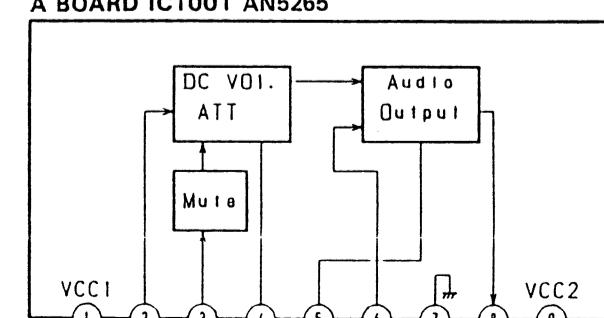
O·NO.	PAL	SECAM	NTSC 3.58	NTSC 4.43
Q1400	E 6.0	■	6.0	6.0
	C 5.5	●	5.5	5.5
	B 0.6	—	0.6	—
Q1401	E —	—	—	—
	C 6.0	●	6.0	6.0
	B 10.8	—	5.4	5.4
Q1403	E —	—	—	—
	C 6.0	●	6.2	6.1
	B —	—	-0.2	—

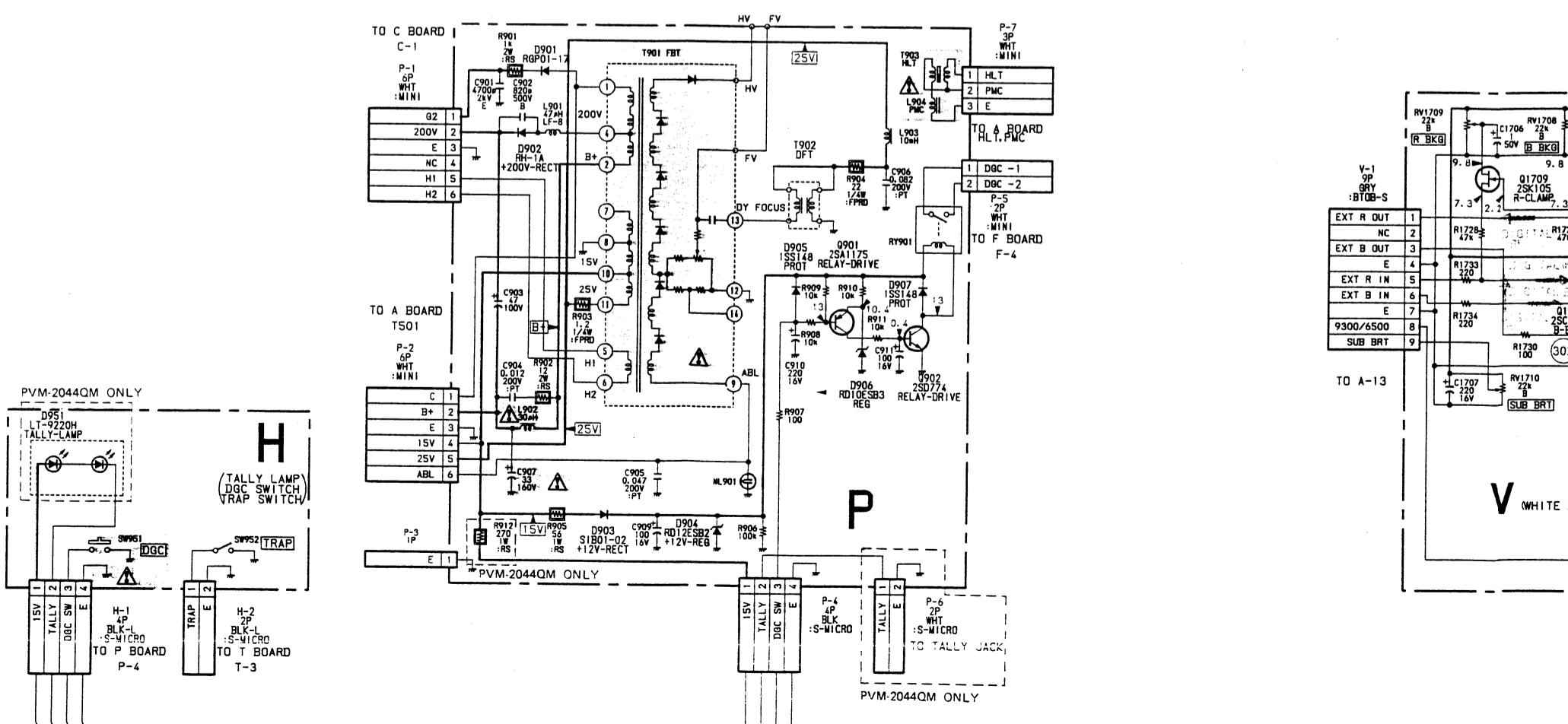
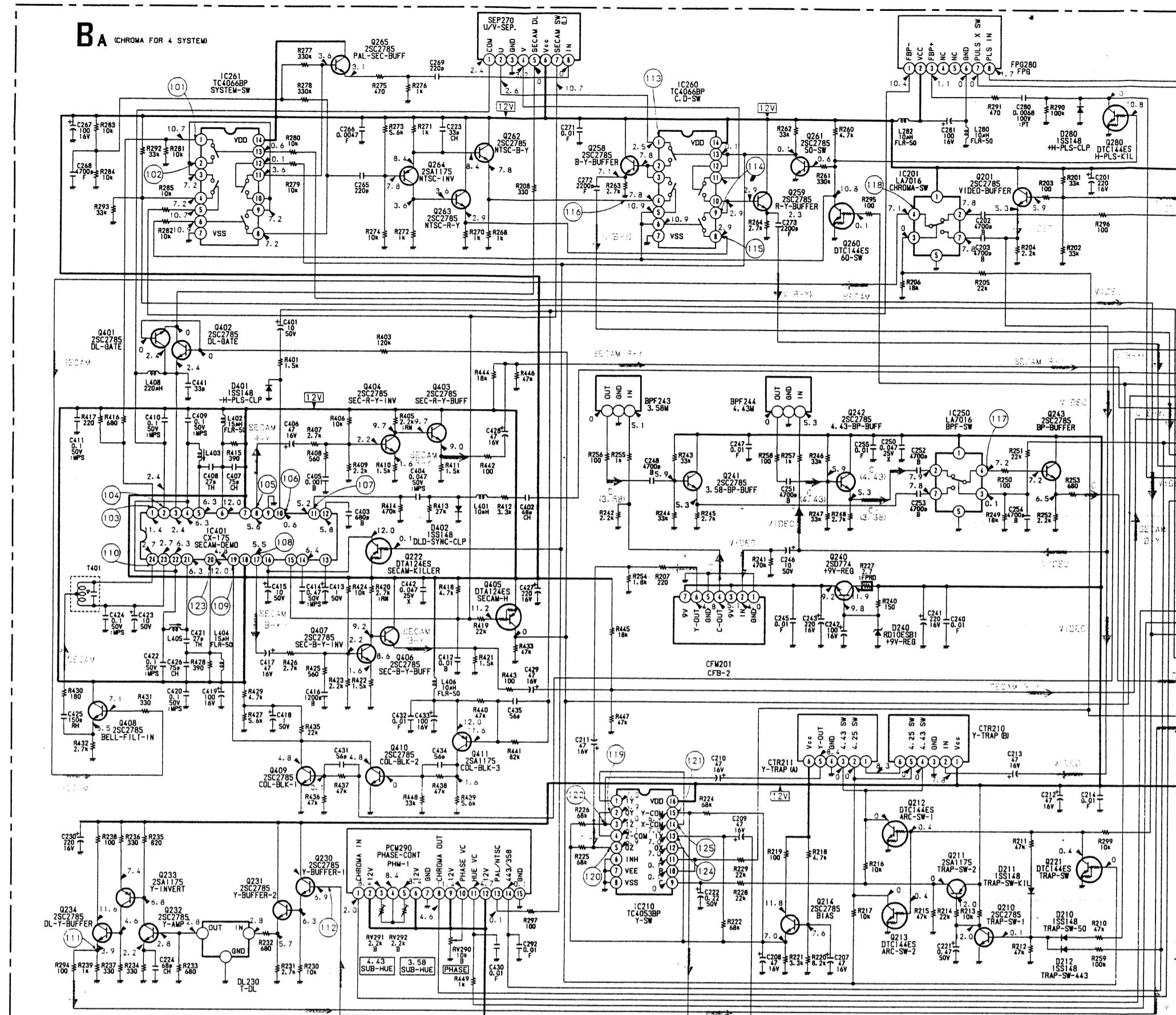
■ MEASUREMENT IMPOSSIBILITY.

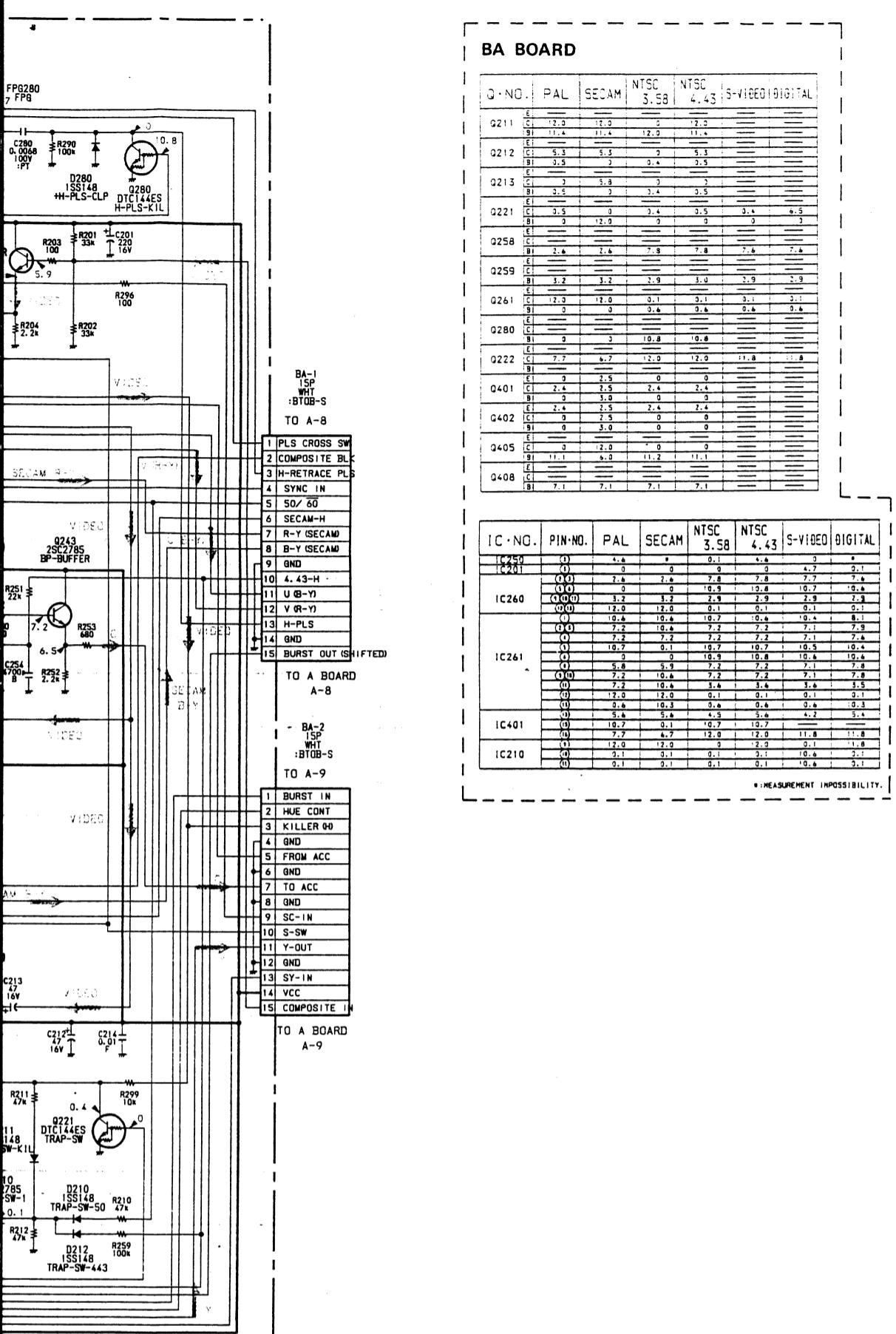


XA BOARD						
Q. NO.	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	DIGITAL
Q1301	E	—	—	—	—	—
	C	0.1	*	0.1	5.8	*
	B	10.2	*	0.2	0.2	*
Q1302	E	—	—	—	—	—
	C	—	—	—	—	—
	B	4.0	*	4.2	0.2	*
Q1304	E	—	—	—	—	—
	C	—	—	—	—	—
	B	3.8	*	4.3	3.2	*
Q1305	E	—	—	—	—	—
	C	—	—	—	—	—
	B	0.1	*	0.1	4.2	*

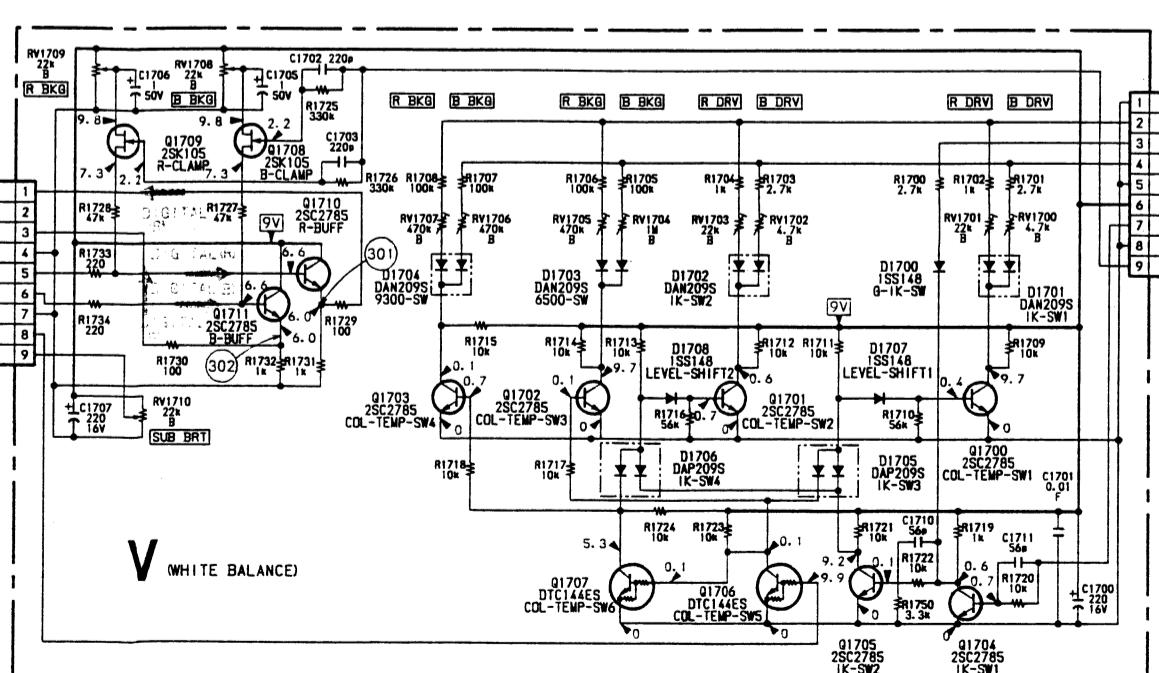
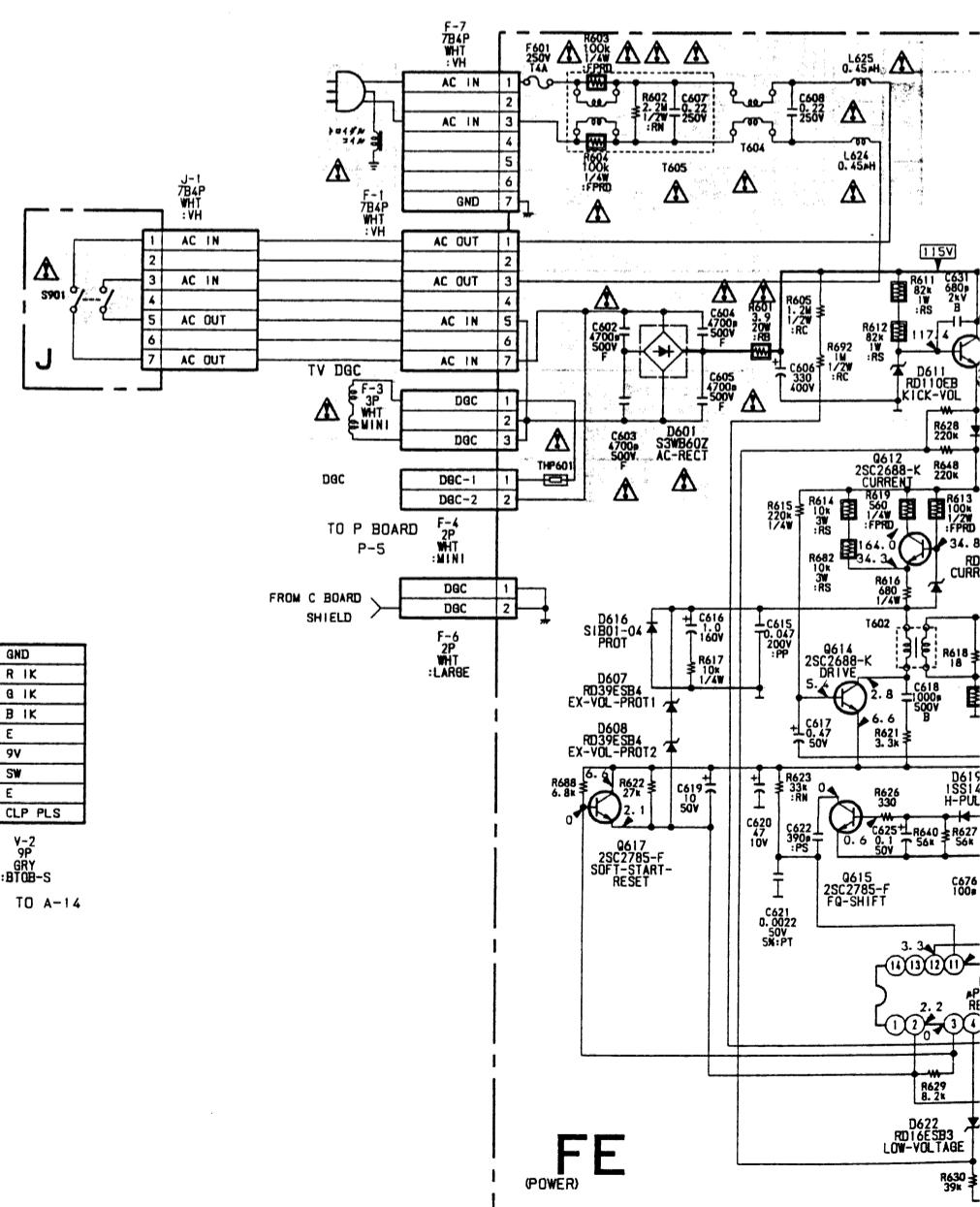
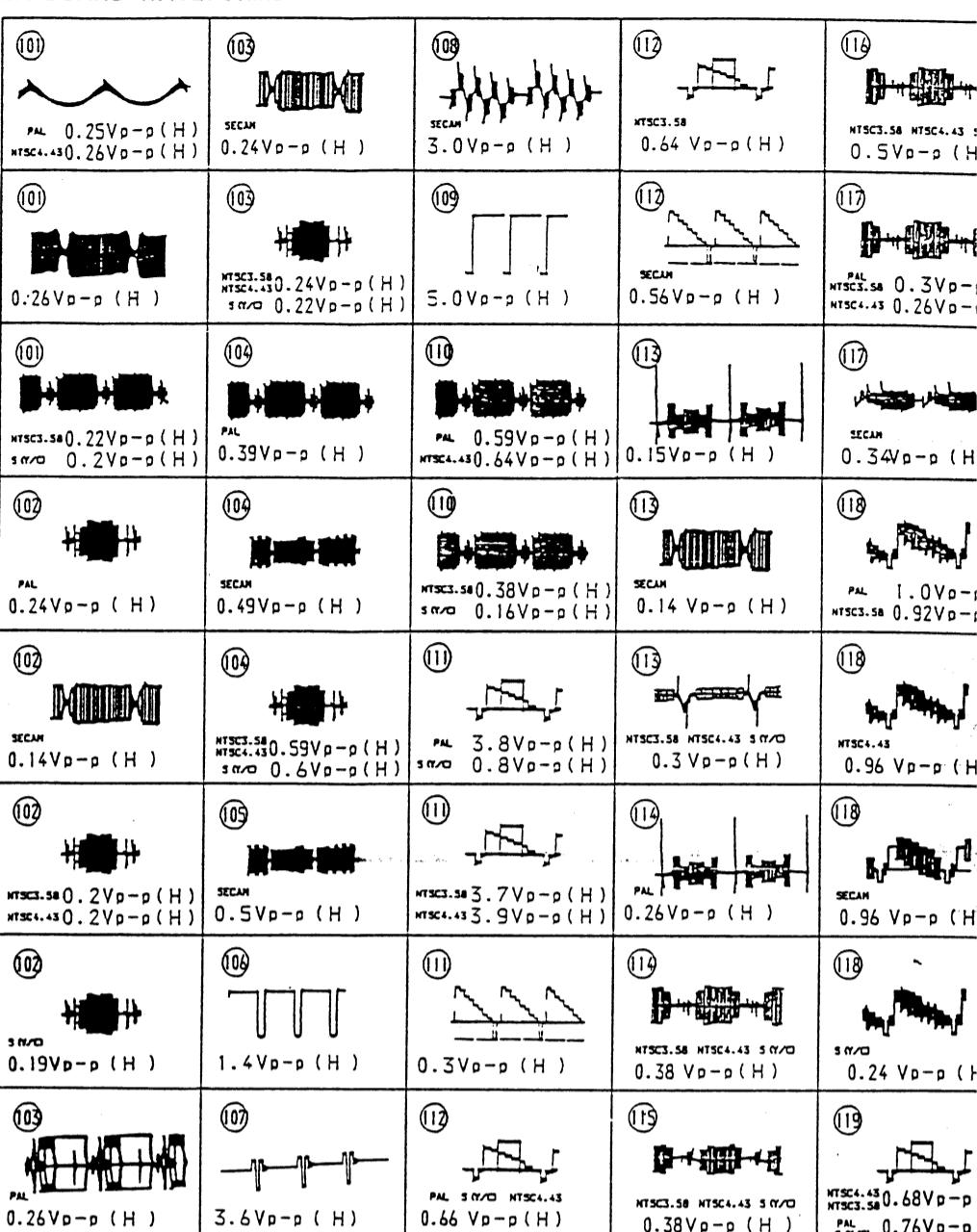
A BOARD IC1001 AN5265

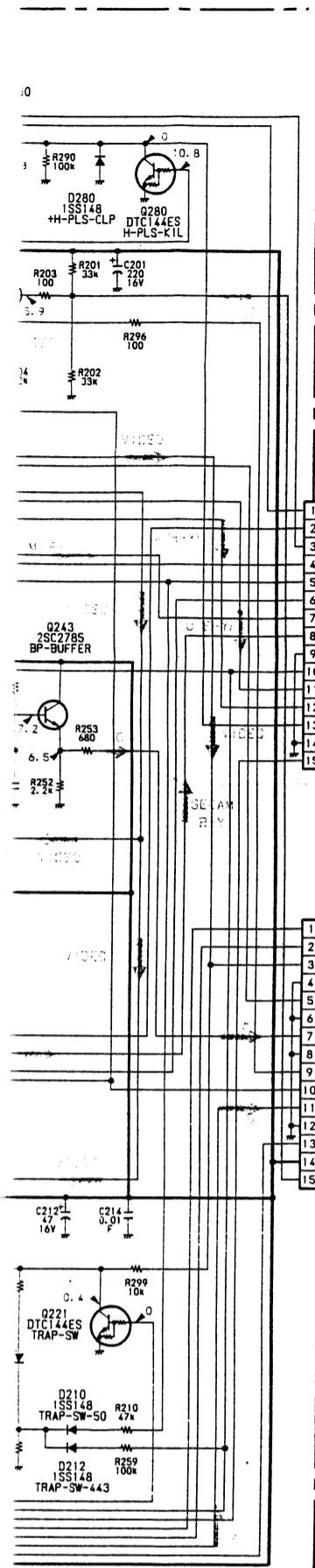




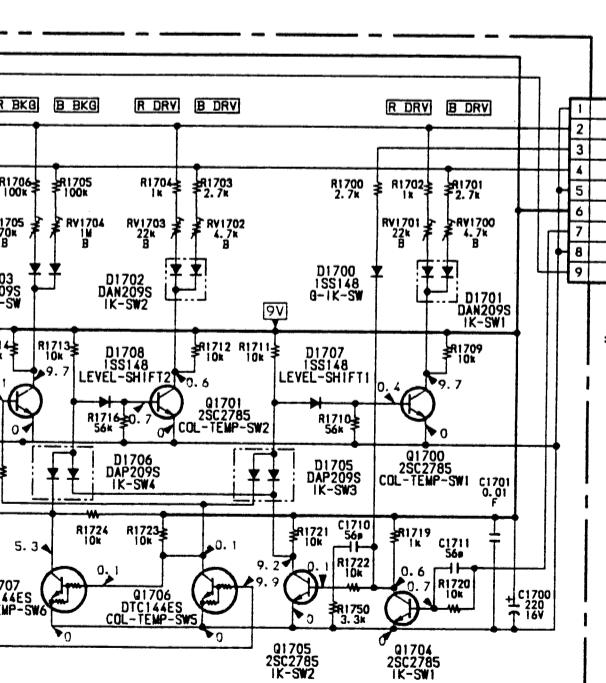


BA BOARD WAVEFORMS

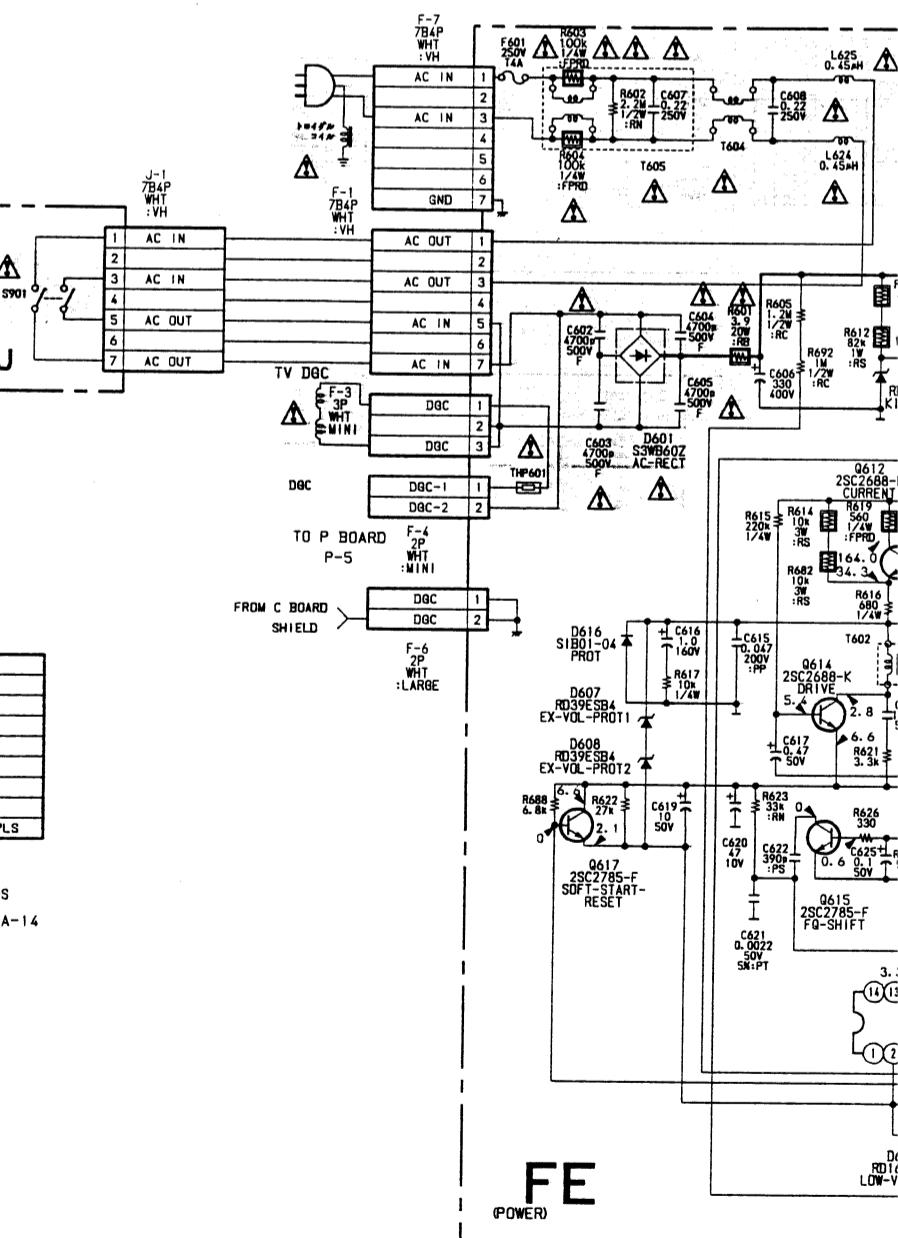
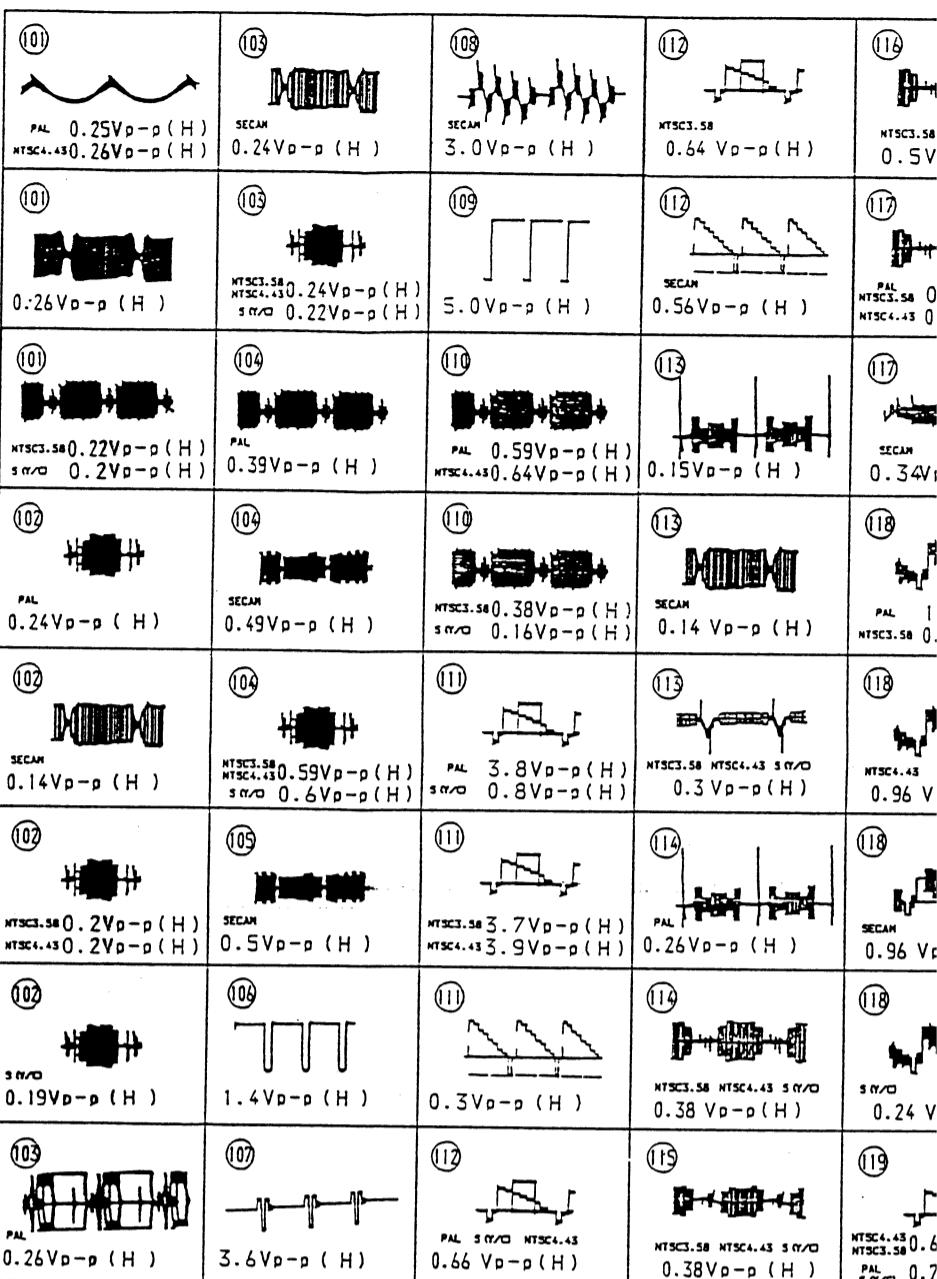


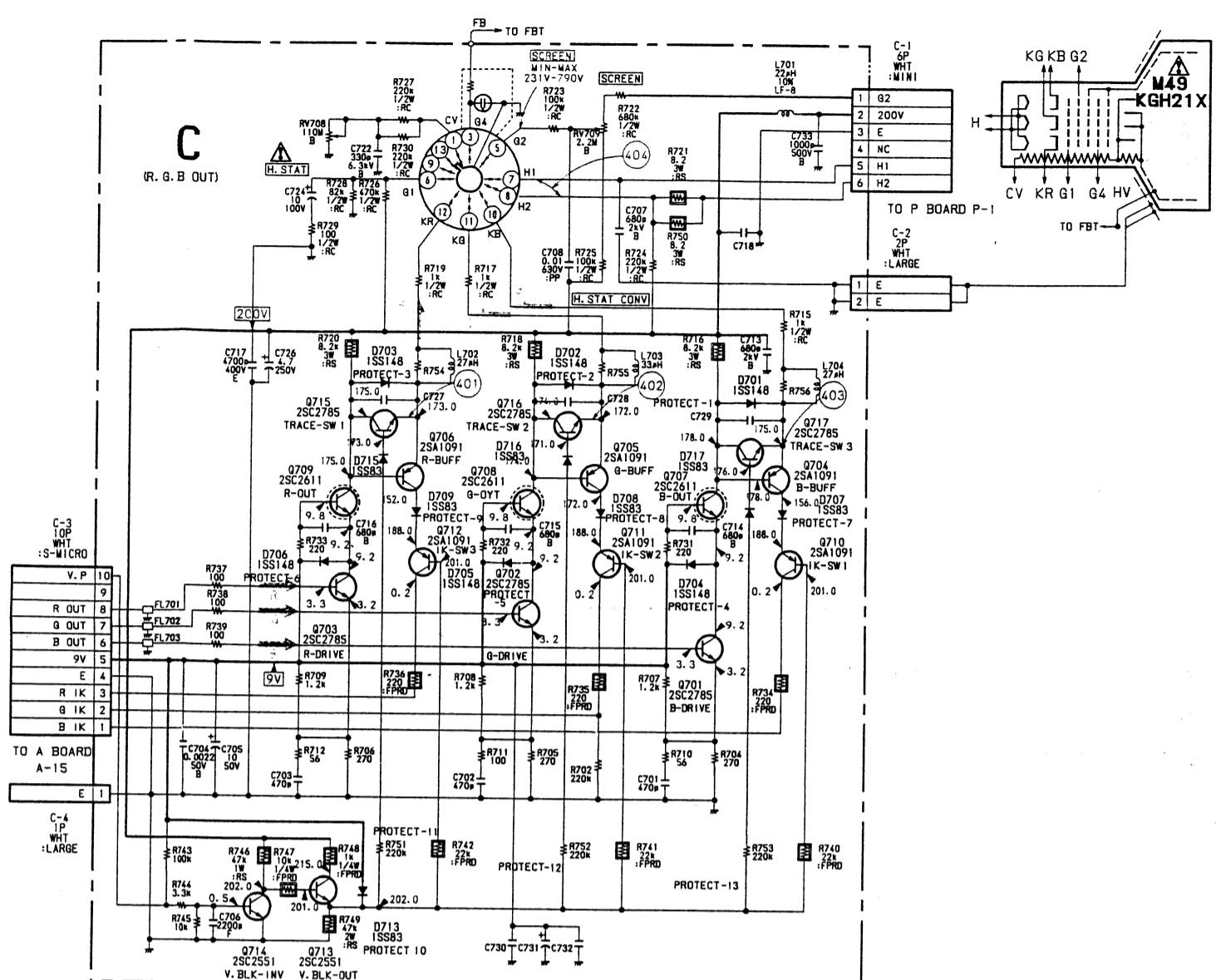
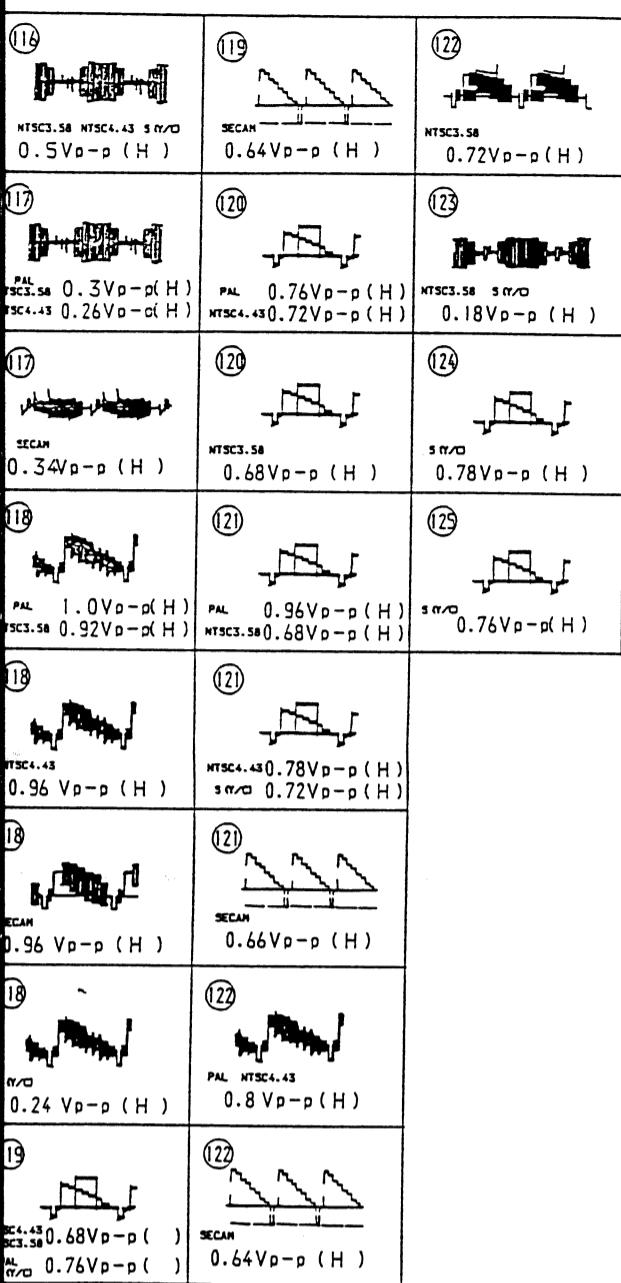


IC-N.O.	PIN-N.O.	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	DIGITAL
IC250	(1)	4.6	*	0.1	4.1	3	*
IC261	(1)	3	0	0.2	4.7	0.1	*
IC260	(1)	2.6	2.4	7.8	7.8	7.7	7.6
IC261	(2)	2	0	10.9	10.8	10.7	10.6
IC260	(3)	3.2	3.2	2.9	2.9	2.9	2.9
IC261	(4)	12.0	12.0	0.1	0.1	0.1	0.1
IC261	(5)	10.6	10.6	10.7	10.6	10.4	6.1
IC261	(6)	7.2	10.6	7.2	7.2	7.1	7.9
IC261	(7)	7.2	7.2	7.2	7.2	7.1	7.4
IC261	(8)	10.7	0.1	10.5	10.7	10.5	10.5
IC261	(9)	0	0	0.5	10.8	10.4	10.6
IC261	(10)	5.8	5.9	7.2	7.2	7.1	7.6
IC261	(11)	7.2	10.6	7.2	7.2	7.1	7.8
IC261	(12)	12.0	12.0	0.1	0.1	0.1	0.1
IC261	(13)	0.6	0.3	0.6	0.6	0.6	0.3
IC261	(14)	3.2	3.2	5.5	5.5	4.2	5.4
IC401	(1)	10.7	0.1	10.7	10.7	10.7	10.7
IC401	(2)	7.7	4.7	12.0	12.0	11.8	11.8
IC401	(3)	12.0	12.0	0	12.0	0.1	11.8
IC401	(4)	0.1	0.1	0.1	0.1	0.1	0.1
IC401	(5)	5.1	3.1	0.1	3.1	10.6	0.1
IC210	(1)	0.1	0.1	0.1	0.1	0.1	0.1
IC210	(2)	10.6	10.6	10.7	10.7	10.7	10.7
IC210	(3)	7.2	10.6	7.2	7.2	7.1	7.8
IC210	(4)	10.7	0.1	10.5	10.7	10.5	10.5
IC210	(5)	0	0	0.5	10.8	10.4	10.6
IC210	(6)	5.8	5.9	7.2	7.2	7.1	7.6
IC210	(7)	7.2	10.6	7.2	7.2	7.1	7.8
IC210	(8)	12.0	12.0	0.1	0.1	0.1	0.1
IC210	(9)	0.6	0.3	0.6	0.6	0.6	0.3
IC210	(10)	3.2	3.2	5.5	5.5	4.2	5.4

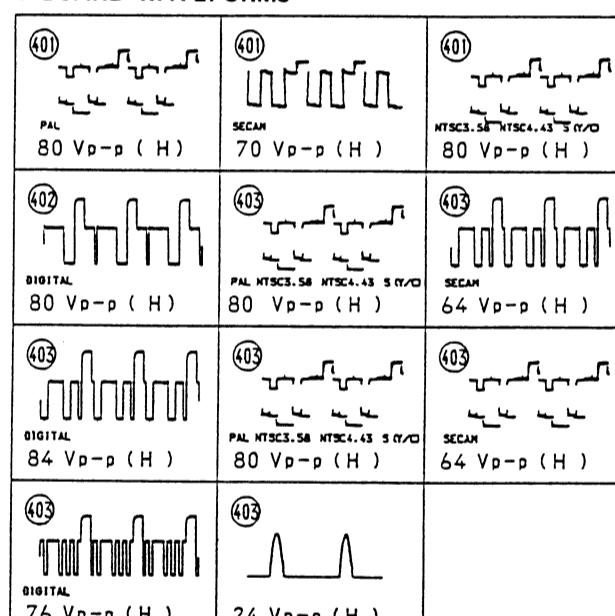


BA BOARD WAVEFORMS





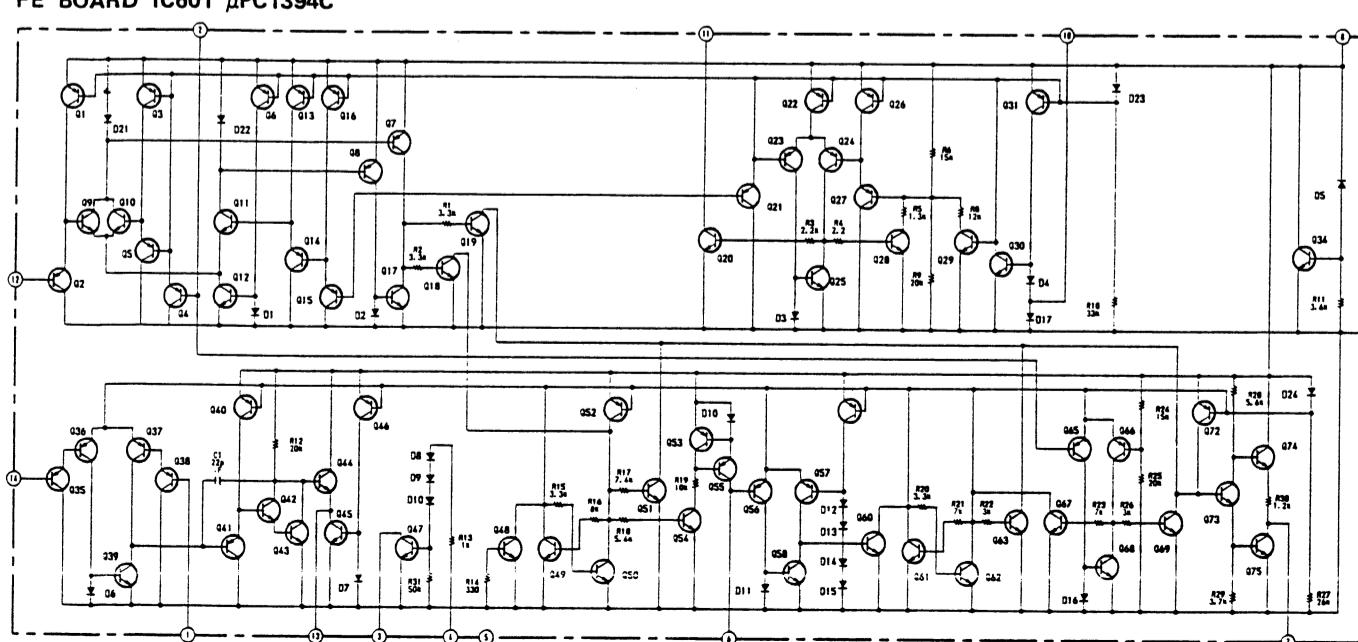
C BOARD WAVEFORMS



C BOARD

Q. NO.	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	DIGITAL
Q704	E1: 1.75 B1: 1.55	E1: 1.75 B1: 1.77	E1: 1.75 B1: 1.77	E1: 1.75 B1: 1.77	E1: 1.75 B1: 1.77	E1: 1.75 B1: 1.79
Q705	E1: 1.71 B1: 1.73	E1: 1.71 B1: 1.79				
Q706	E1: 1.48 B1: 1.48	E1: 1.48 B1: 1.50				
Q707	E1: 1.71 B1: 1.77	E1: 1.71 B1: 1.79				
Q708	E1: 1.73 B1: 1.73					
Q709	E1: 1.73 B1: 1.73					
Q710	E1: 1.90 B1: 1.90					
Q711	E1: 1.90 B1: 1.90					
Q712	E1: 1.71 B1: 1.71					
Q713	E1: 1.73 B1: 1.73					
Q714	E1: 1.71 B1: 1.71					
Q715	E1: 1.73 B1: 1.73					
Q716	E1: 1.71 B1: 1.70					
Q717	E1: 1.75 B1: 1.75					
Q718	E1: 1.77 B1: 1.77					
Q719	E1: 1.71 B1: 1.71					
Q720	E1: 1.73 B1: 1.73					
Q721	E1: 1.71 B1: 1.71					
Q722	E1: 1.73 B1: 1.73					
Q723	E1: 1.71 B1: 1.71					
Q724	E1: 1.73 B1: 1.73					
Q725	E1: 1.71 B1: 1.71					
Q726	E1: 1.73 B1: 1.73					
Q727	E1: 1.71 B1: 1.71					
Q728	E1: 1.73 B1: 1.73					
Q729	E1: 1.71 B1: 1.71					
Q730	E1: 1.73 B1: 1.73					
Q731	E1: 1.71 B1: 1.71					
Q732	E1: 1.73 B1: 1.73					

FE BOARD IC601 μPC1394C



BA

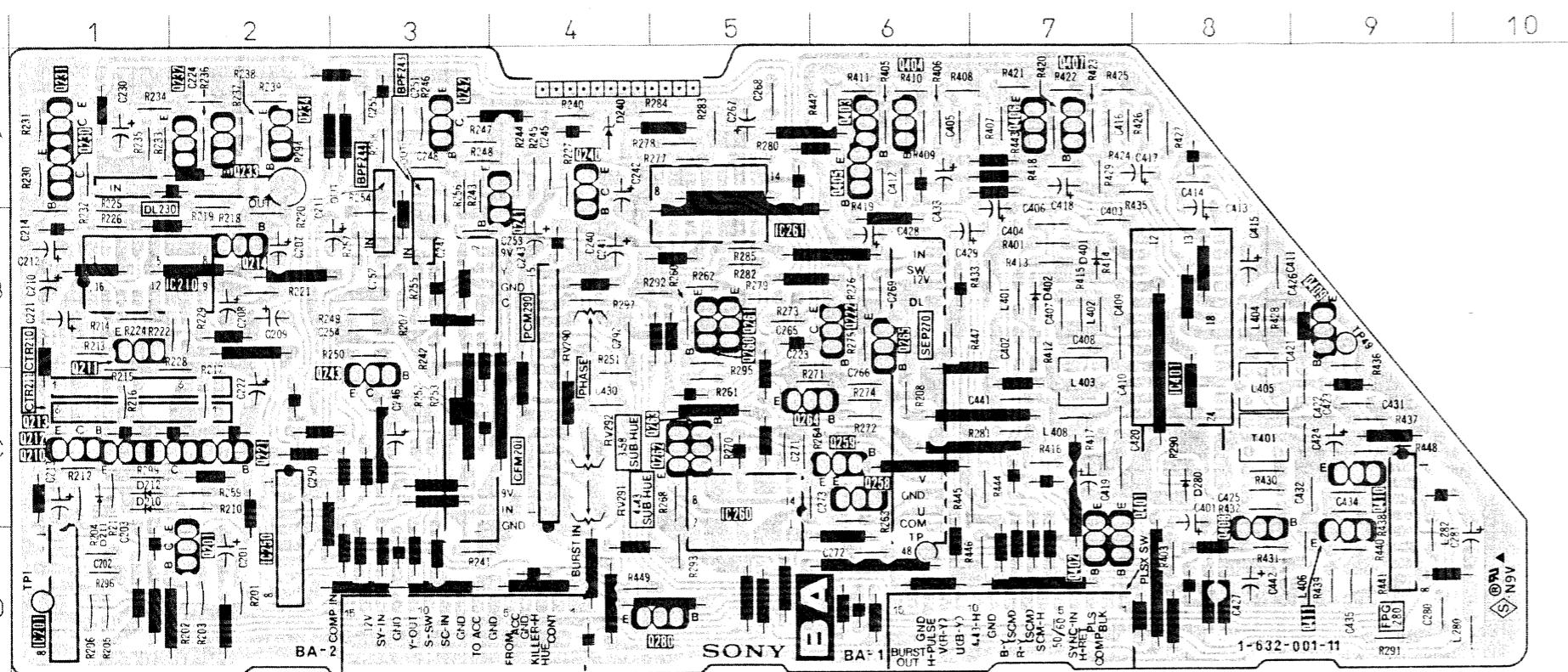
[CHROMA FOR 4 SYSTEM]

J

[POWER SW]

PFBT' G2, 200V RECT,
RELAY DRIVE,
DYNAMIC FOCUS**H**TALL LAMP
DGC SWITCH
TRAP SWITCH

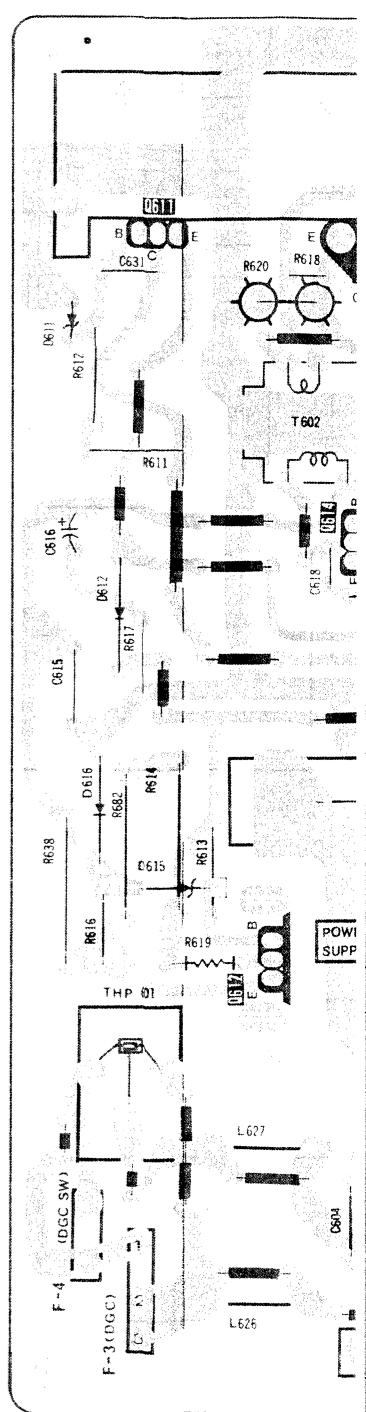
- BA Board -



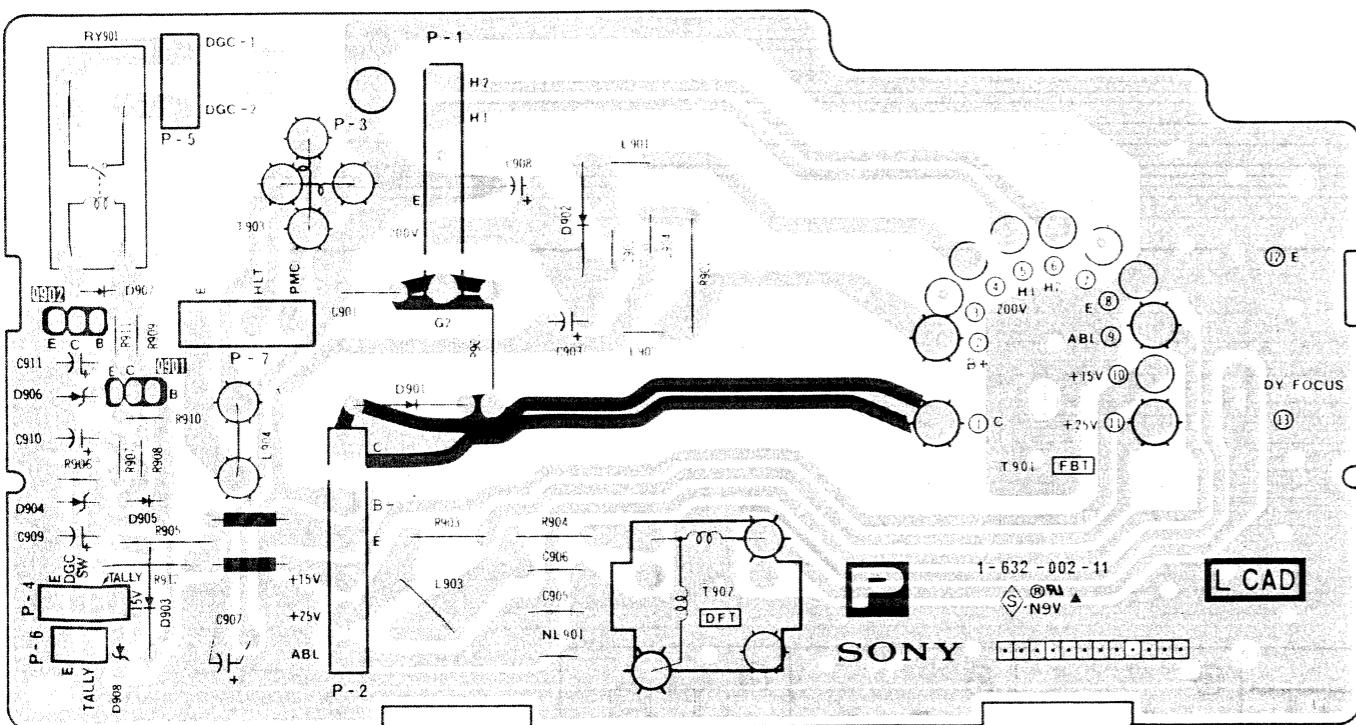
BA Board

IC		DIODE
IC201	D-1	D210 C-1
IC210	B-1	D211 C-1
IC250	D-2	D212 C-1
IC260	C-5	D240 A-4
IC261	B-5	D261 B-5
IC401	B-8	D280 C-8
		D401 B-7
		D402 B-7
TRANSISTOR		VARIABLE RESISTOR
Q201	D-2	RV290 B-4
Q210	C-1	RV291 C-4
Q211	B-1	RV292 C-4
Q212	C-1	
Q213	C-1	
Q214	B-2	
Q215	C-2	
Q221	B-6	
Q222	A-1	
Q230	A-1	
Q231	A-1	
Q232	A-2	
Q233	A-2	
Q234	A-2	

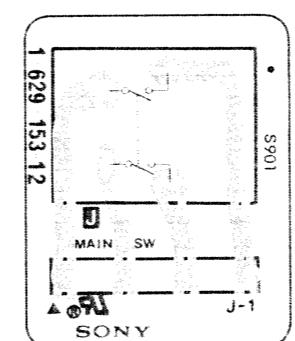
- FE Board -



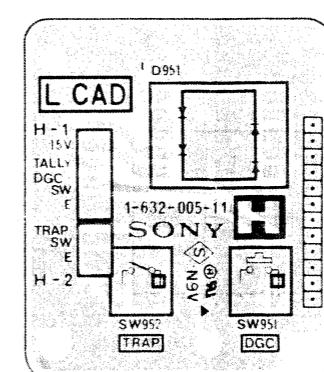
- P Board -



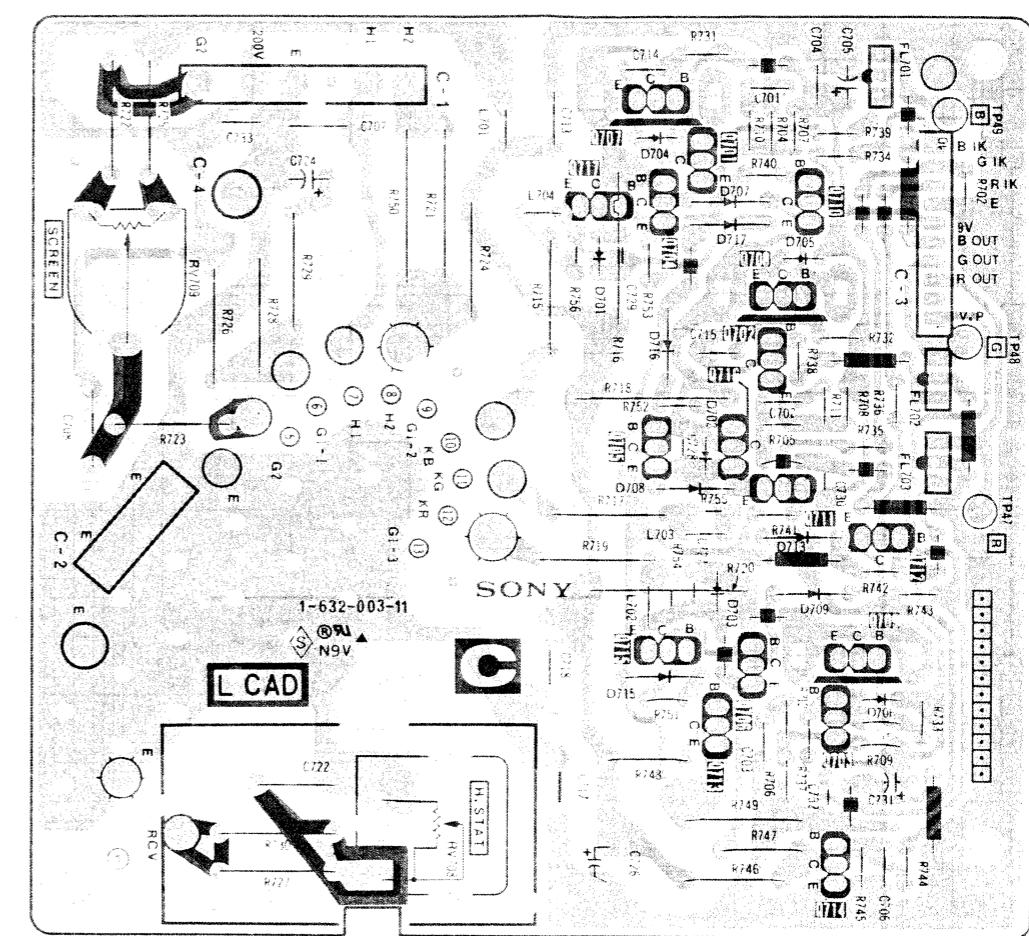
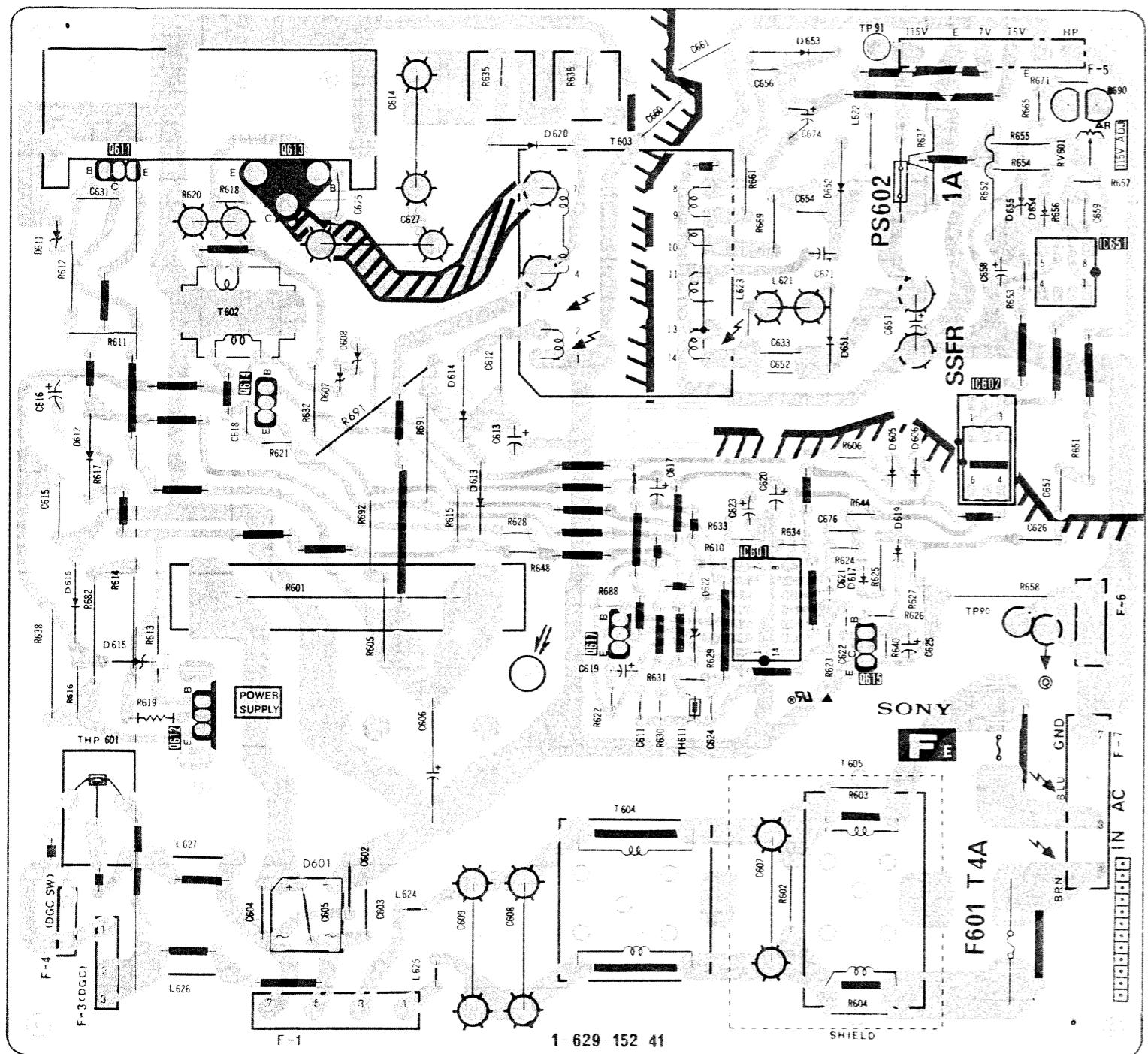
- J Board -



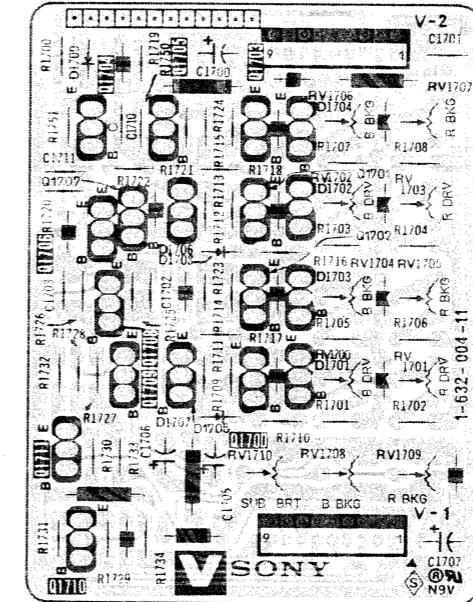
- H Board -



— FE Board —



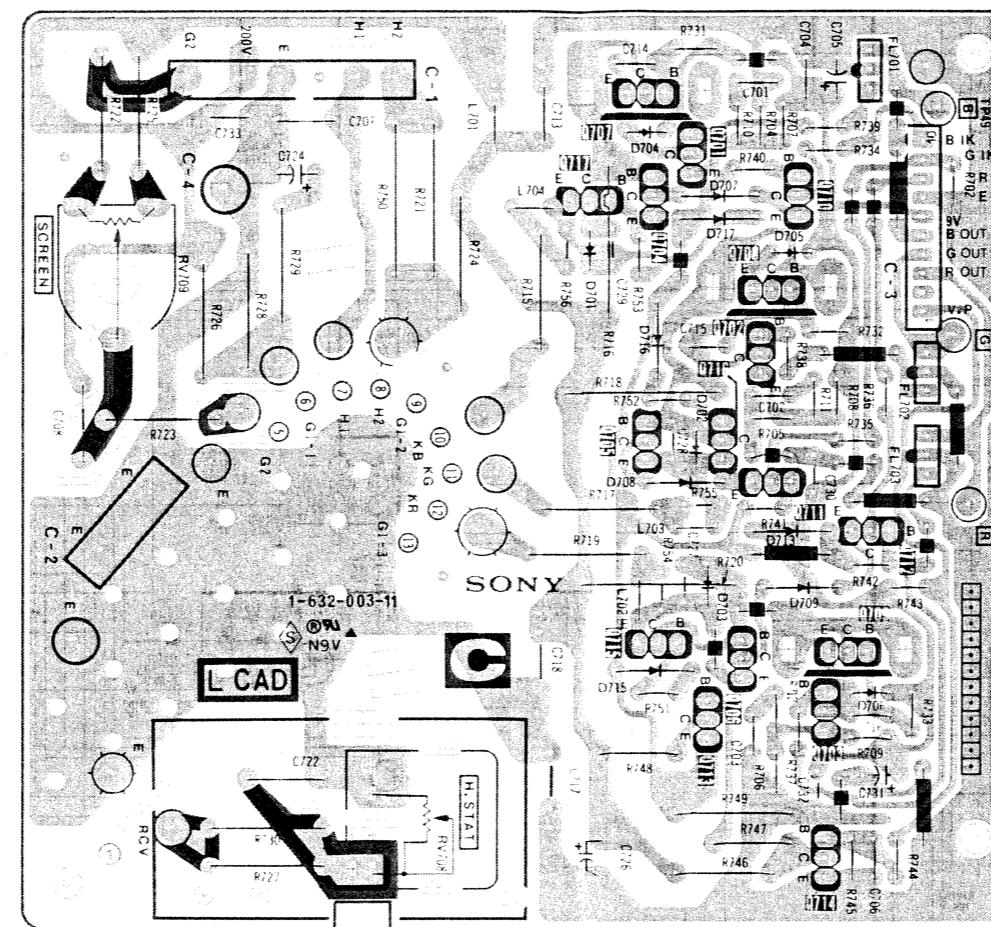
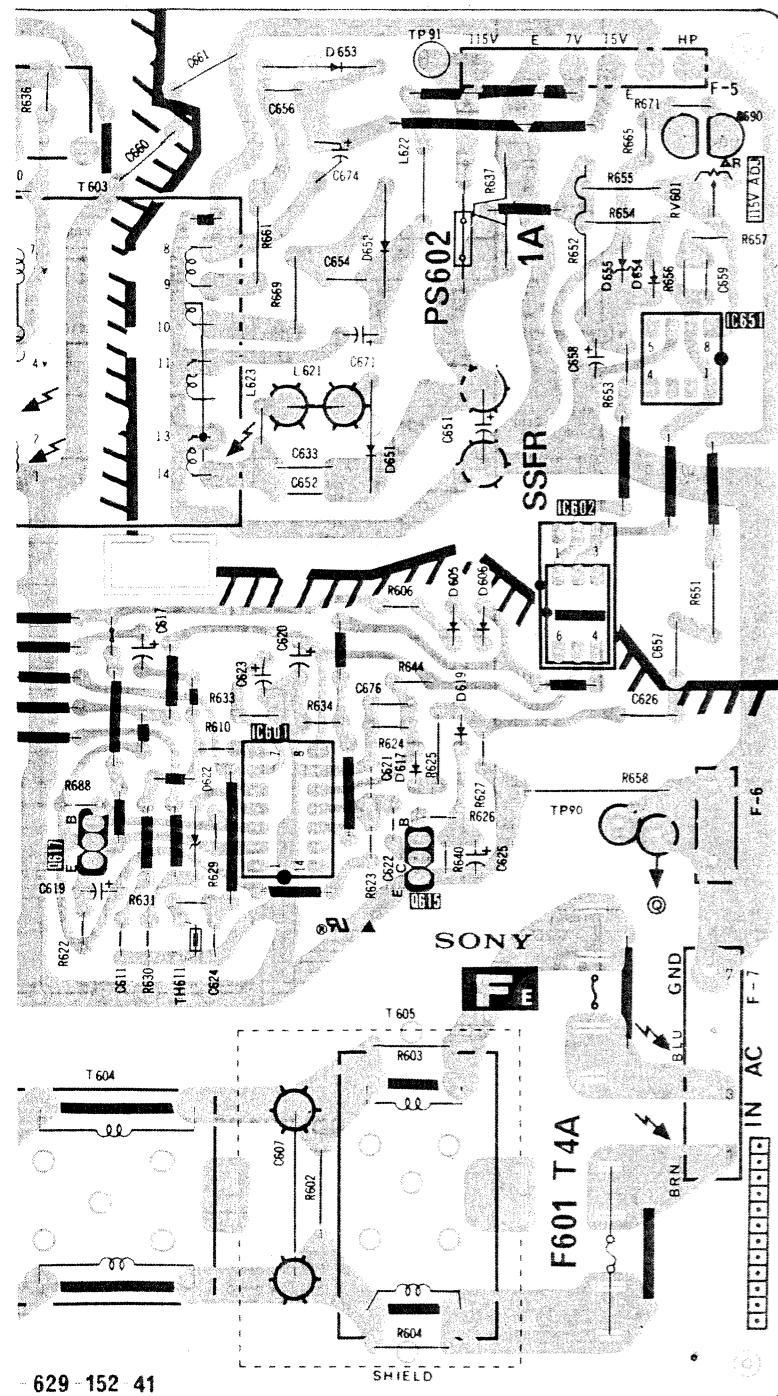
— V Board —



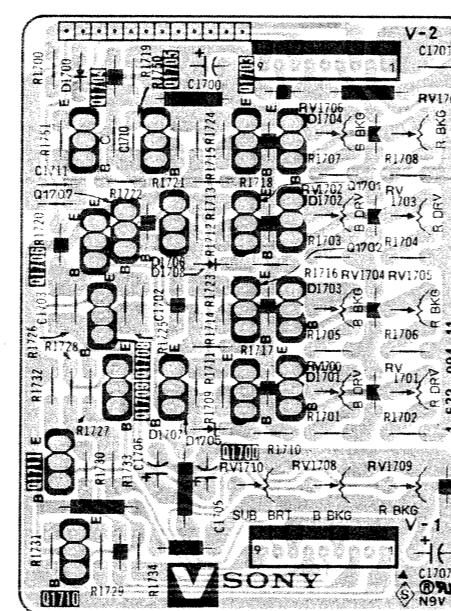
FE [POWER]

[R·G·B OUT] [WHITE BALANCE]

- C Board -



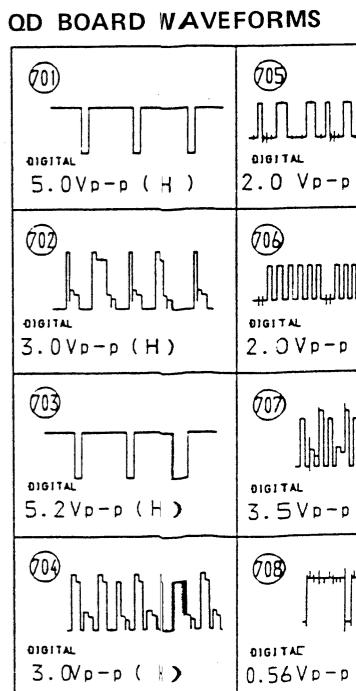
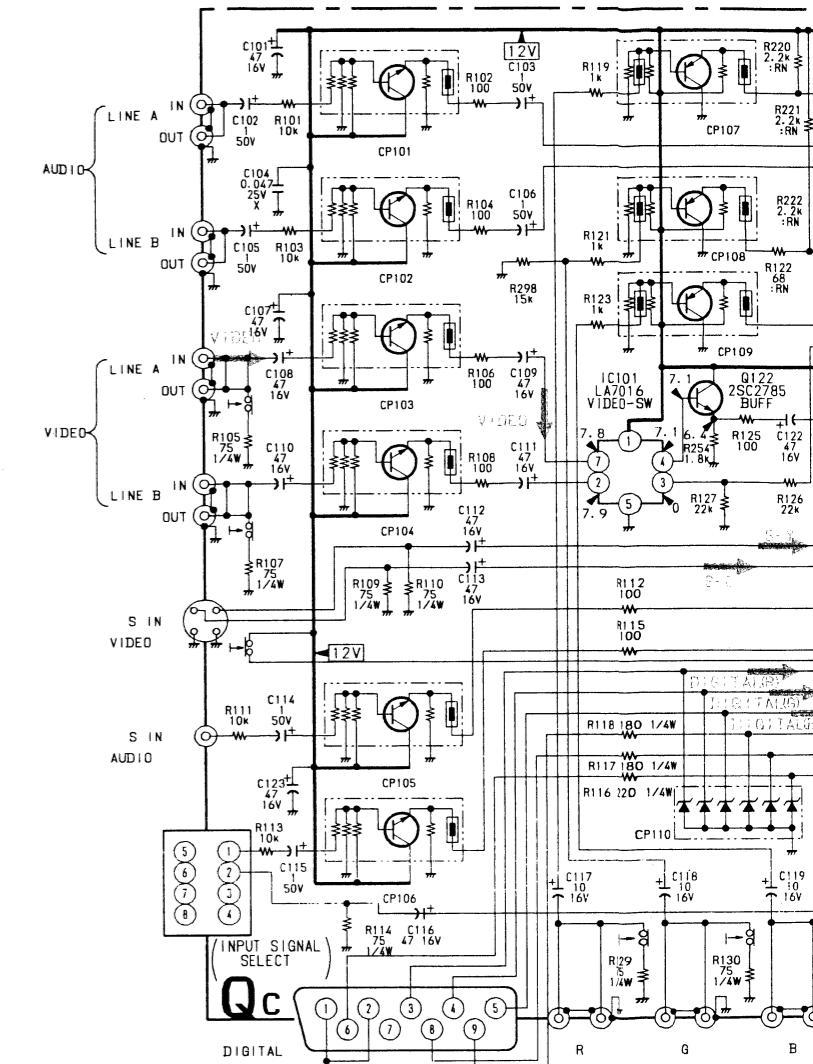
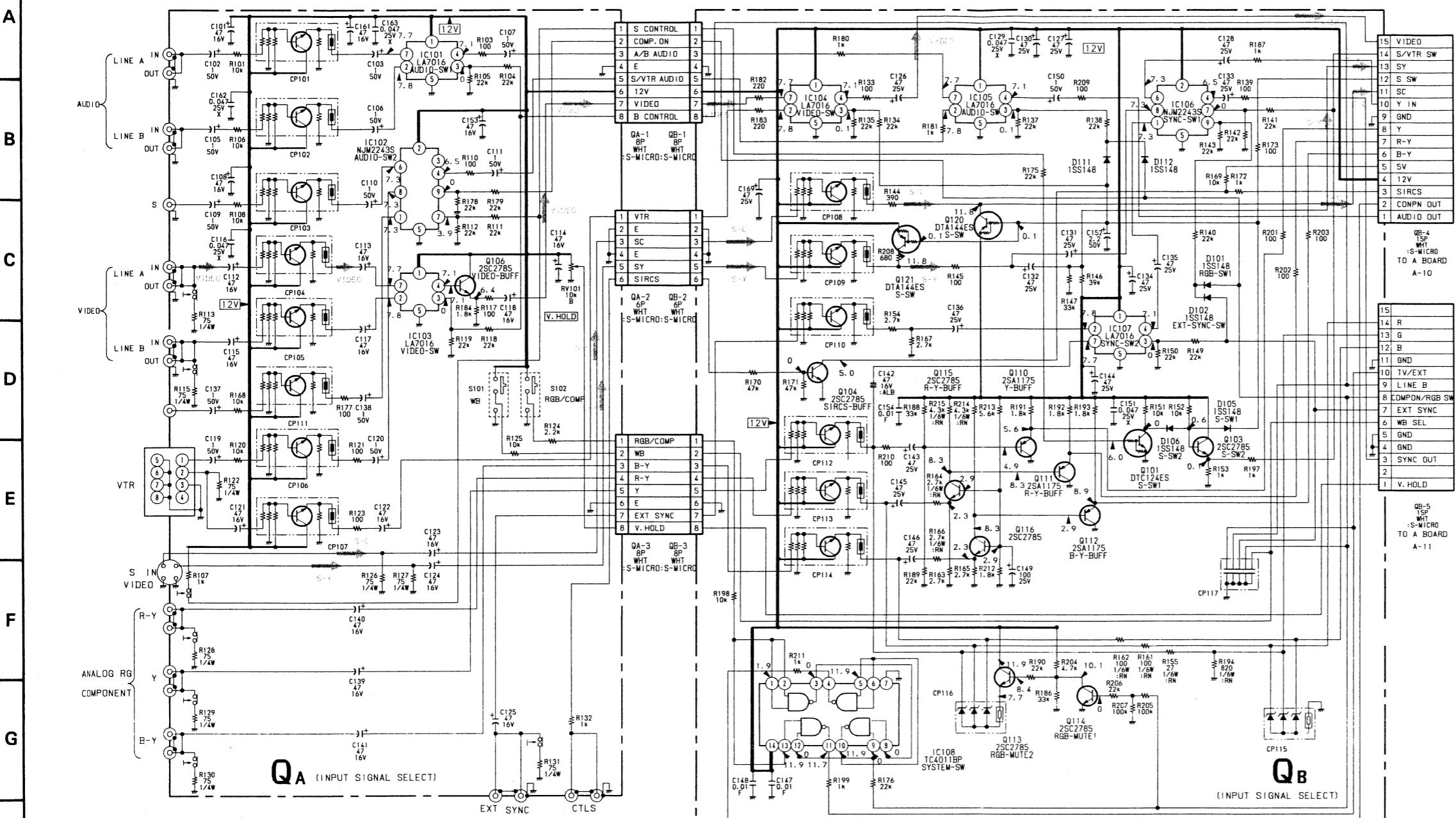
- V Board -



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

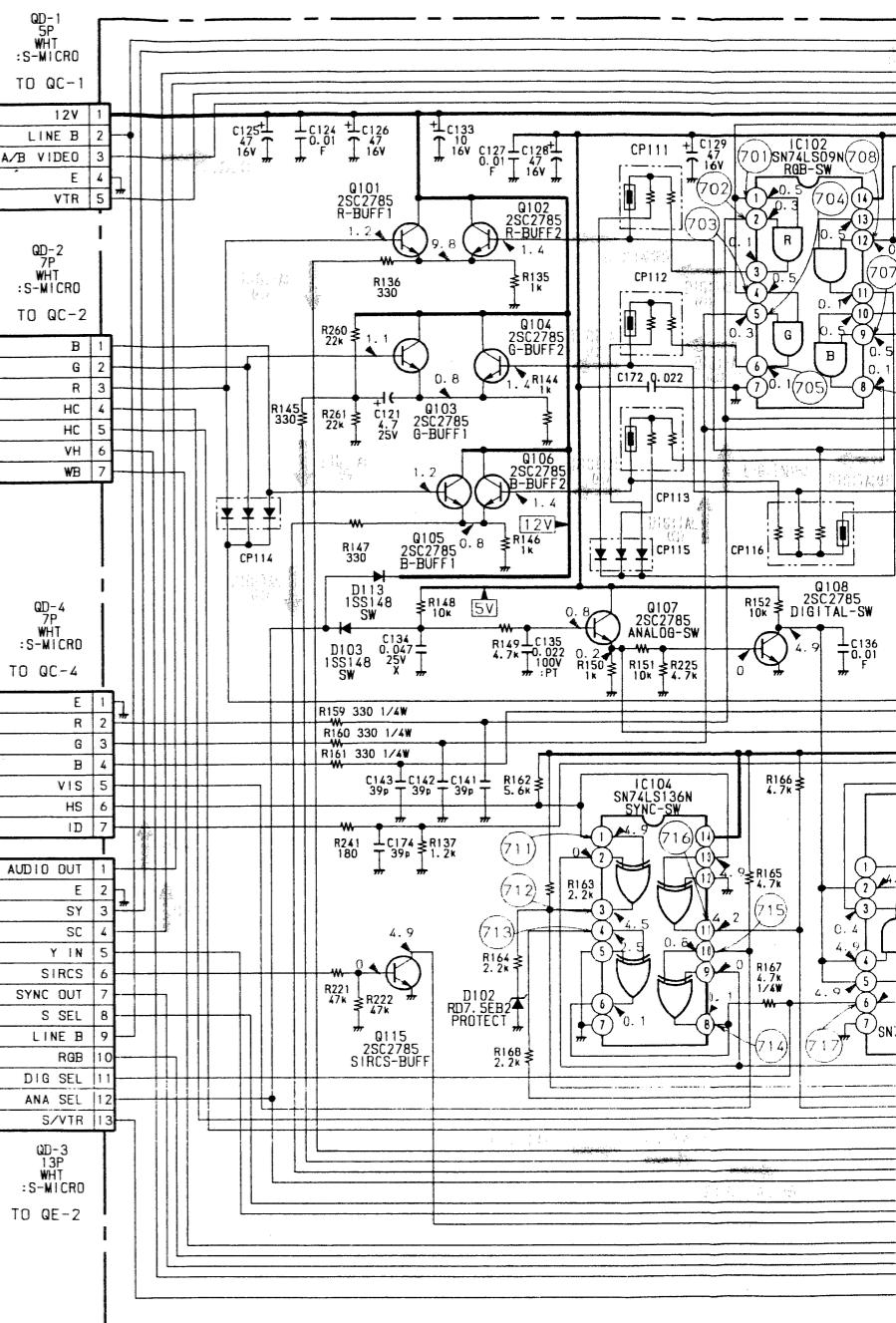
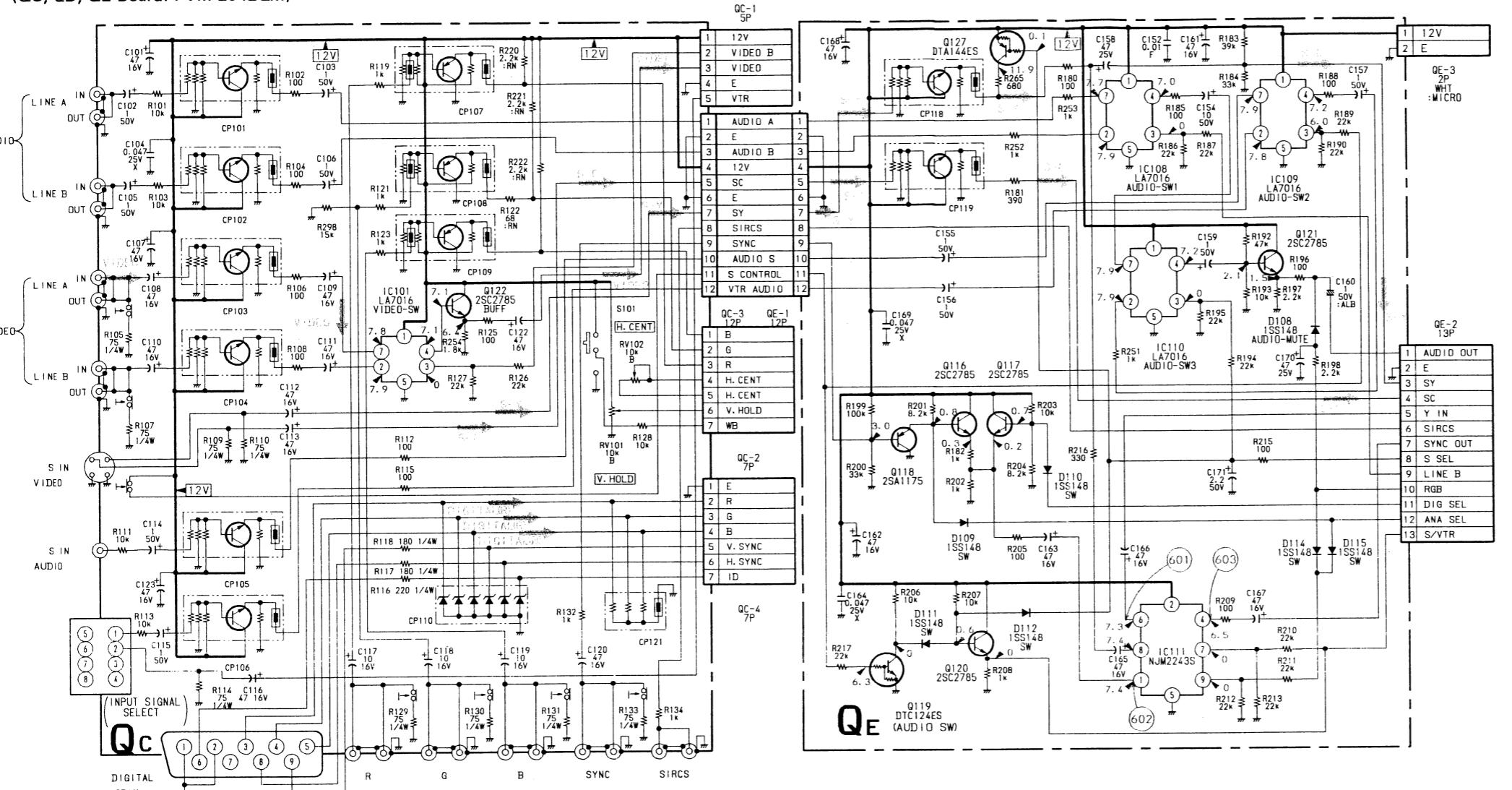
(QA, QB Board: PVM-2044QM)

(QC, QD, QE Board: PVM-2042QM)

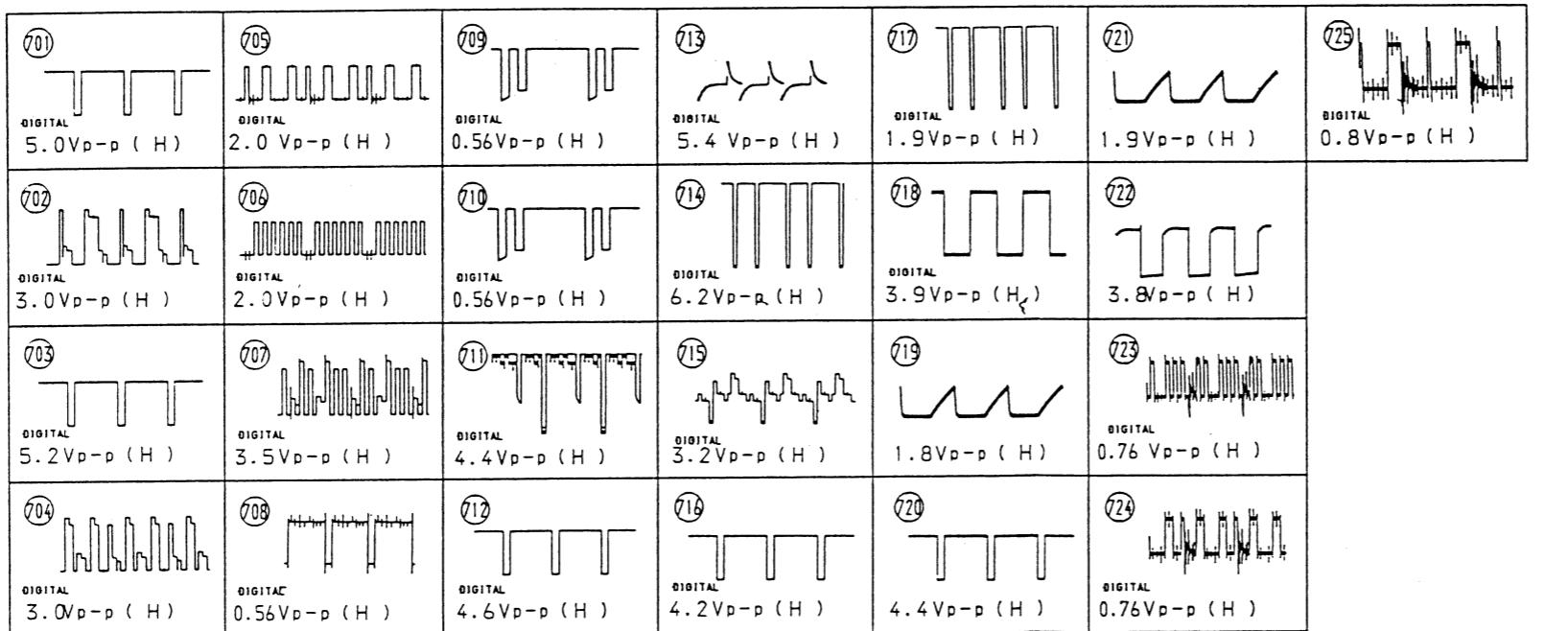


13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

(QC, QD, QE Board: PVM-2042QM)



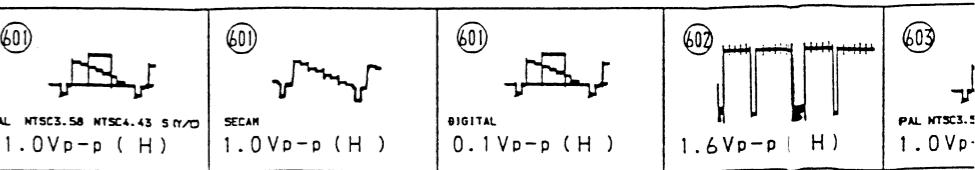
QD BOARD WAVEFORMS



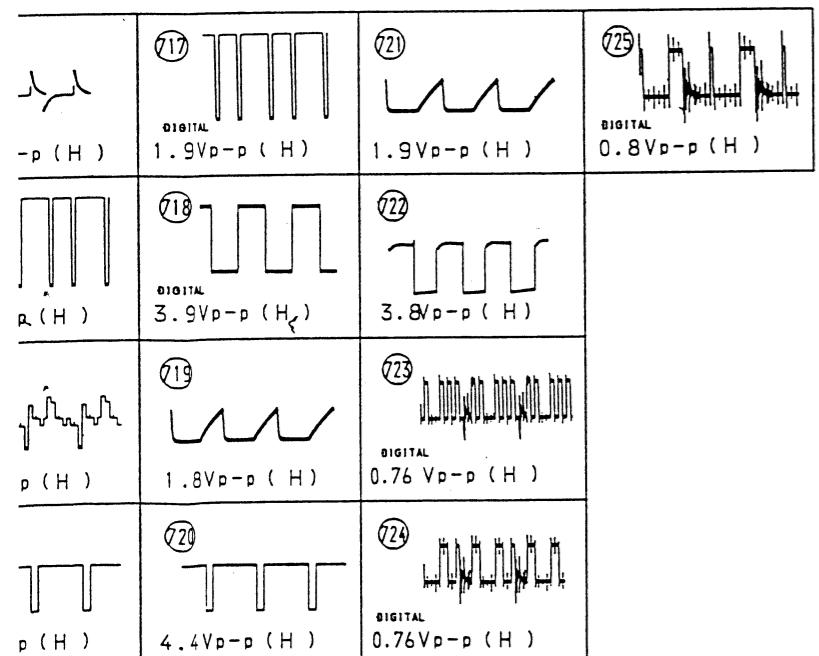
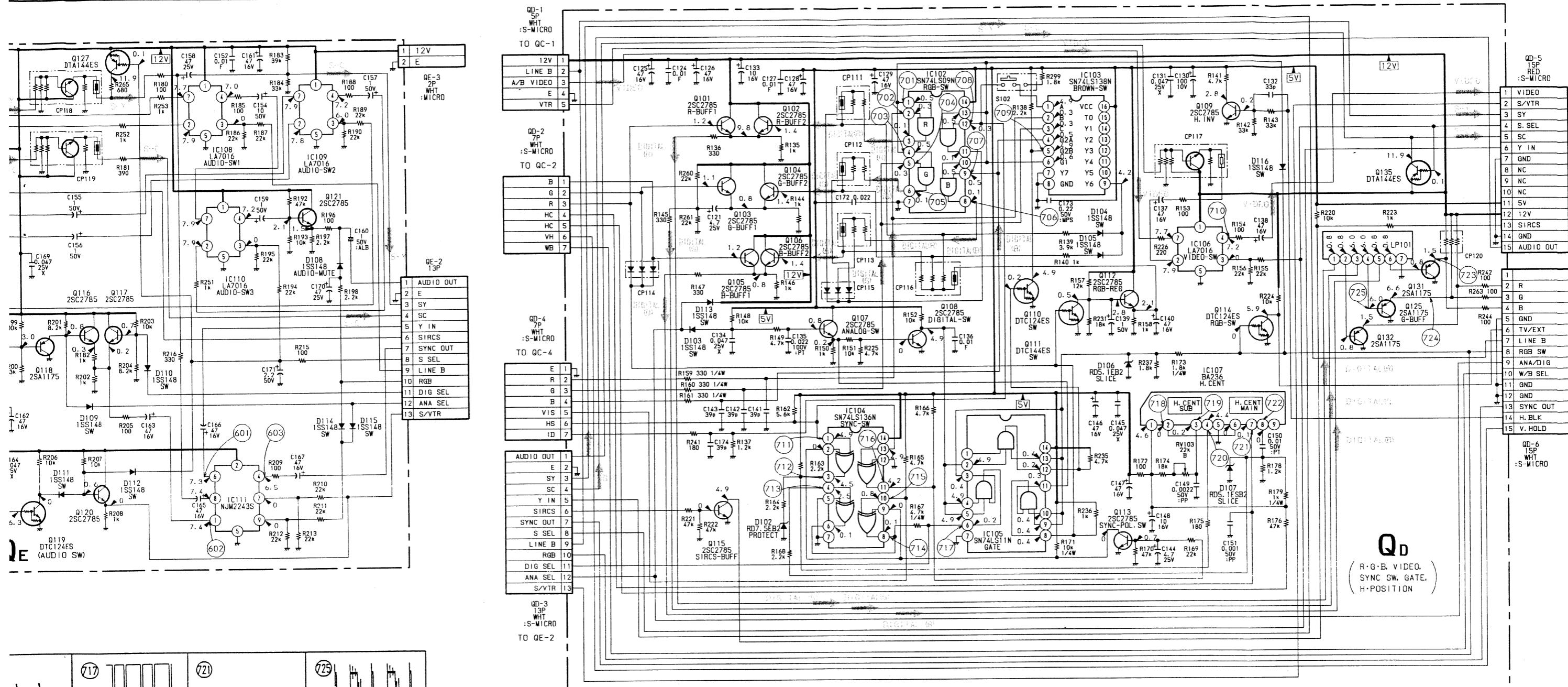
QD BOARD

IC-N.O.	PIN-N.O.	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	DIGITAL	Q-N.O.	PAL	SECAM	NTSC 3.58	NTSC 4.43	
IC104	(1)	4.8	4.8	4.9	4.8	4.4	4.2	IC105	E	0.8	D.8	C.8	0.8
	(2)	4.4	4.4	4.5	4.4	4.1	4.1		(E)	1.1	1.1	1.1	1.1
	(3)	0.1	0.1	0.1	0.1	0.2	0.1	IC106	E	0.8	D.8	C.8	0.8
	(4)	0.8	0.8	0.8	0.8	3.2	2.4		(B)	1.4	1.4	1.4	1.4
	(5)	4.1	4.1	4.2	4.1	3.6	3.9	IC107	C	0.5	D.5	C.5	0.5
	(6)	4.6	4.6	4.5	4.6	4.4	4.1		(C)	0.4	D.4	C.4	0.4
	(7)	0.4	0.4	0.4	0.4	0.4	0.4		(P)	0.4	C.4	0.2	0.4
	(8)	0.2	0.2	0.2	0.2	0.2	0.2						
	(9)	0.4	0.4	0.4	0.4	0.4	0.4						
	(10)	0.4	0.4	0.4	0.4	0.4	0.4						
	(11)	0.6	0	0	0	0	0						
	(12)	0.2	0.2	0.2	0.2	0.2	0.2						
	(13)	4.4	4.4	4.4	4.4	4.1	4.1						
	(14)	0.1	0.1	0.1	0.1	0.1	0.1						
	(15)	0	0	0	0	0	0						

QE BOARD WAVEFORMS

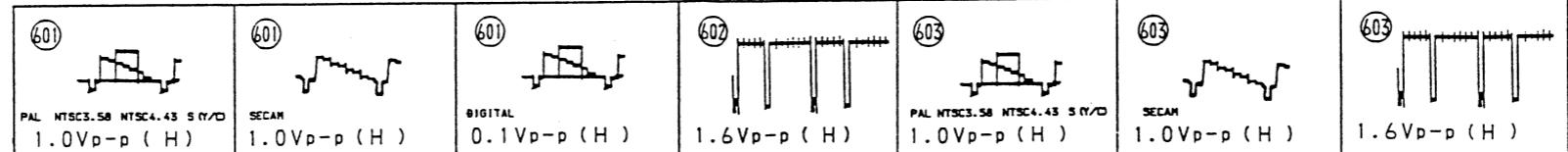


20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

**OD BOARD**

IC-N.O.	PIN-N.O.	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	DIGITAL
(1)	4.8	4.8	4.9	4.8	4.4	4.2	
(1)	4.4	4.4	4.5	4.4	4.1	4.2	
(1)	0.1	0.1	0.1	0.1	0.2	0.1	
(1)	0.8	0.8	0.8	0.8	0.4	0.4	
(1)	4.1	4.1	4.2	4.1	3.8	3.9	
(1)	4.6	4.6	4.9	4.8	4.4	4.1	
(1)	0.4	0.4	0.4	0.4	0.4	0.4	
(1)	0.2	0.2	0.2	0.2	0.2	0.2	
(1)	0.4	0.4	0.4	0.4	0.4	0.4	
(1)	0.4	0.4	0.4	0.4	0.4	0.4	
(1)	0	0	0	0	0	0.1	
(1)	0.2	0.2	0.2	0.2	0.2	0.2	
(1)	4.4	4.4	4.4	4.4	4.1	4.1	
(1)	0.1	0.1	0.1	0.1	0.1	0.1	

Q-N.O.	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	DIGITAL
Q105	E 0.8	E 0.8	E 0.8	E 0.8	E 0.8	1.0
	B 1.1		1.1	1.1	1.1	1.2
	E 0.8	E 0.8	E 0.8	E 0.8	E 0.8	1.0
Q106	P 1.4		1.4	1.4	1.4	1.6
	E 0.5	E 0.5	2.8	0.5	0.5	4.2
Q109						
Q110	R 0.4	0.4	0.2	0.2	0.4	0.5

QE BOARD WAVEFORMS

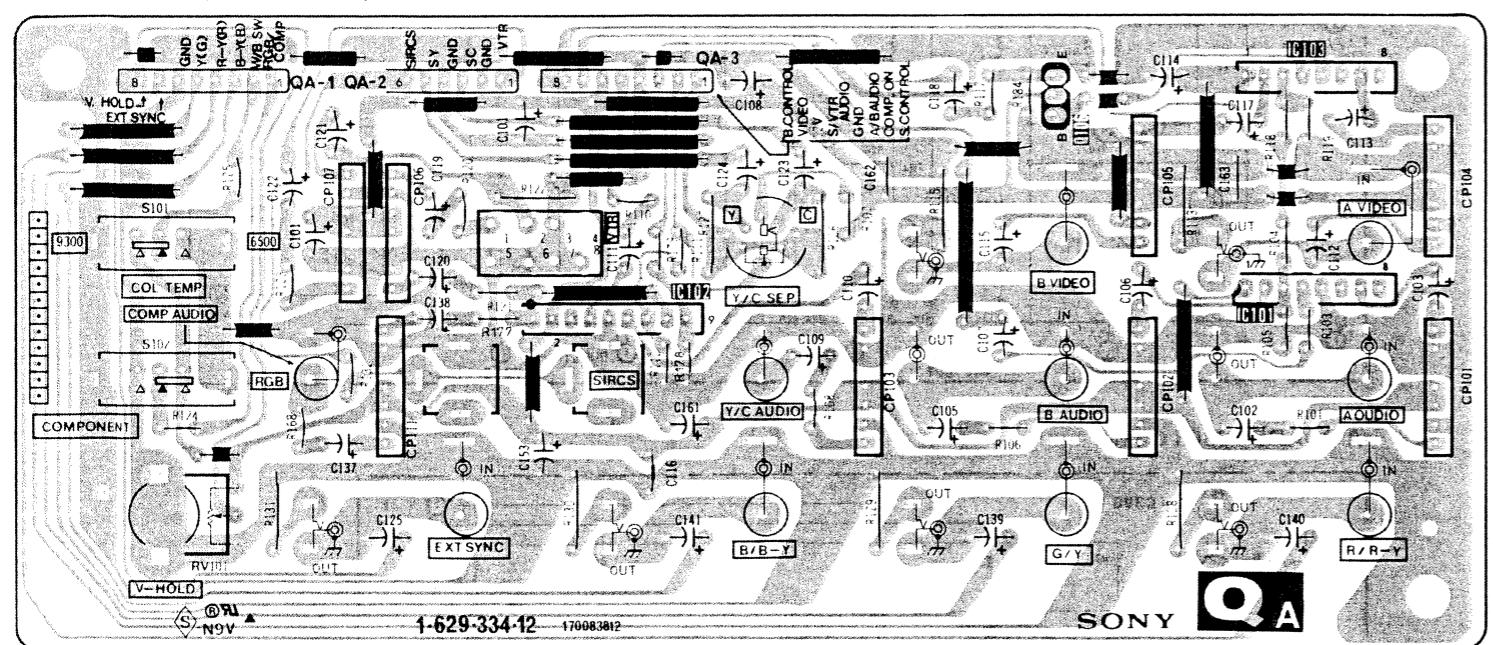
PVM-2042QM/2044QM

PVM-2042QM/2044QM

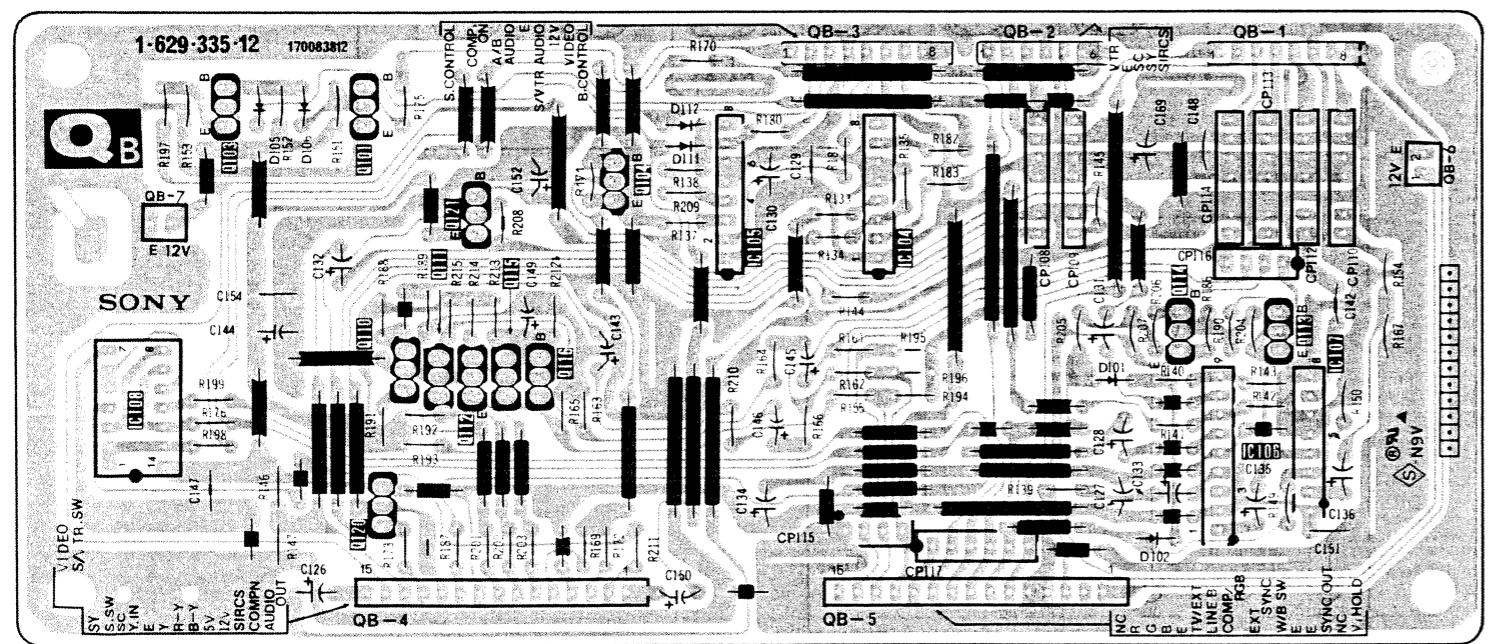
QA [INPUT
SIGNAL SELECT]

QB INPUT SIGNAL SELECT,
SYSTEM SW

– QA Board – (PVM-2044QM)



– QB Board – (PVM-2044QM)

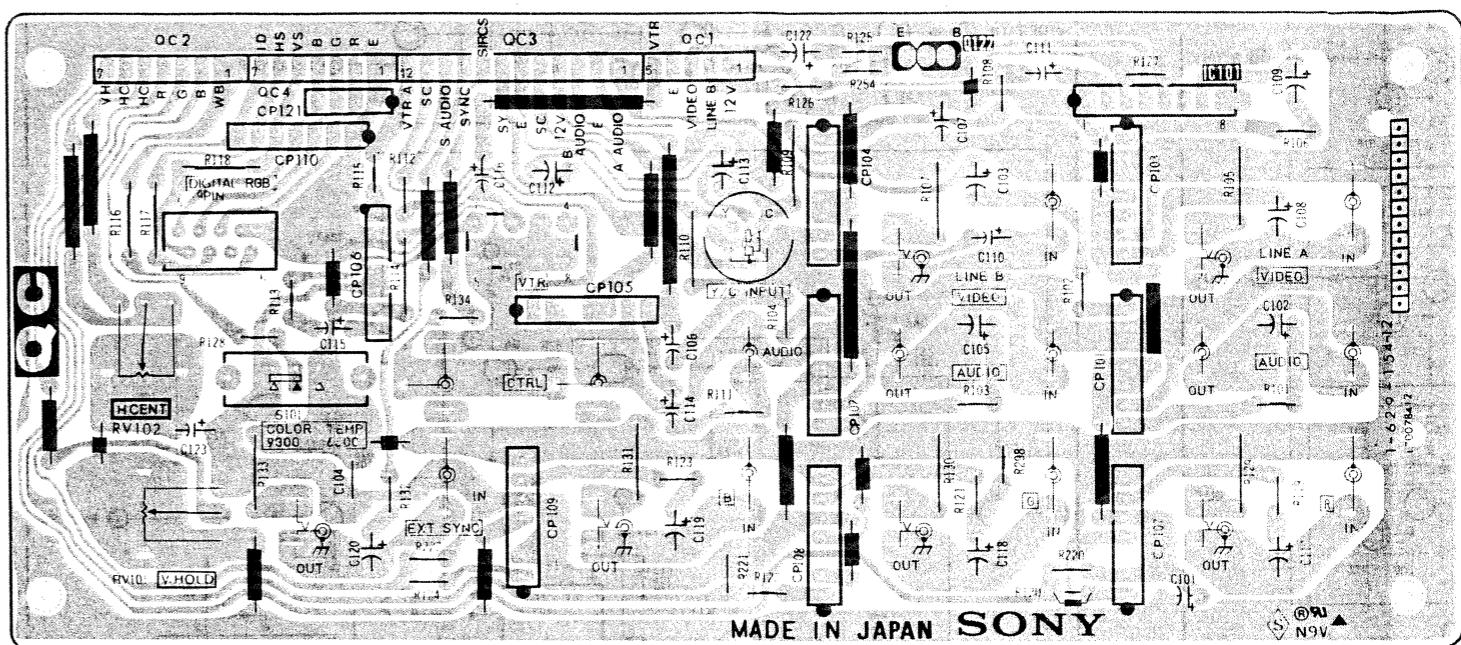


Qc [INPUT SIGNAL SELECT]

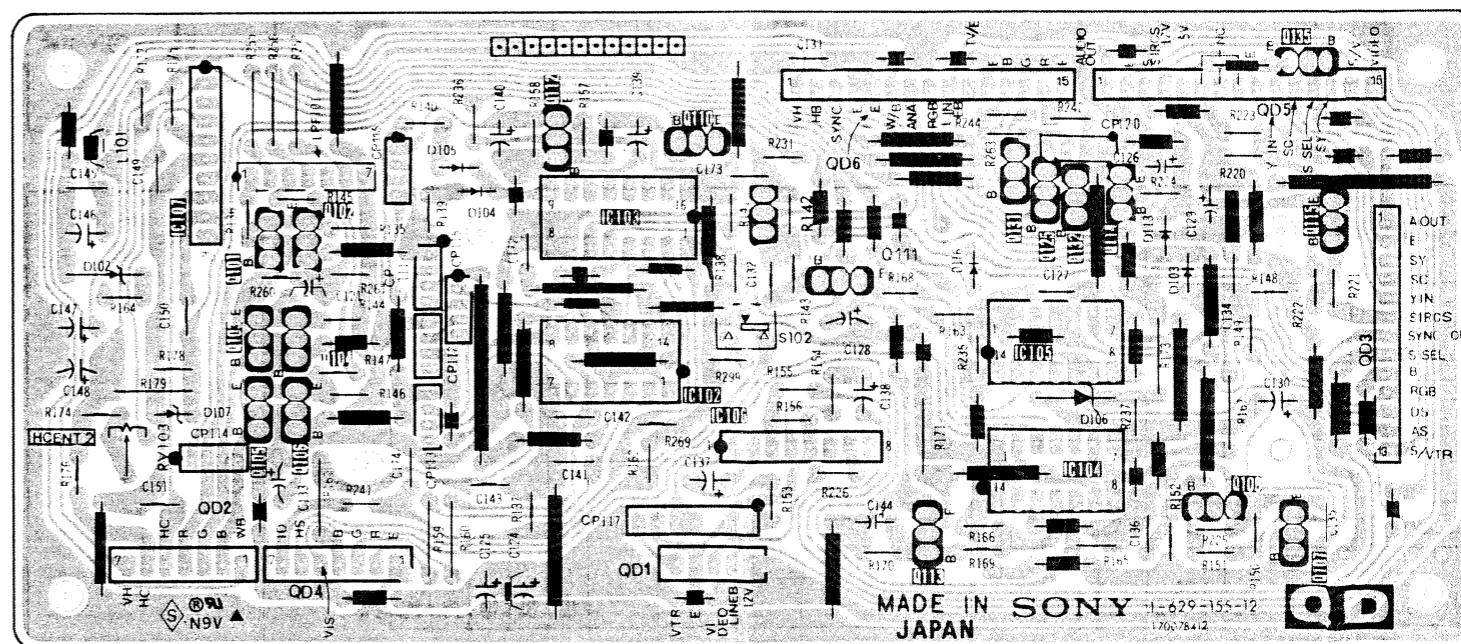
QD [R·G·B, VIDEO, SYNC SW]
GATE, H·POSITION

QE [AUDIO SW]

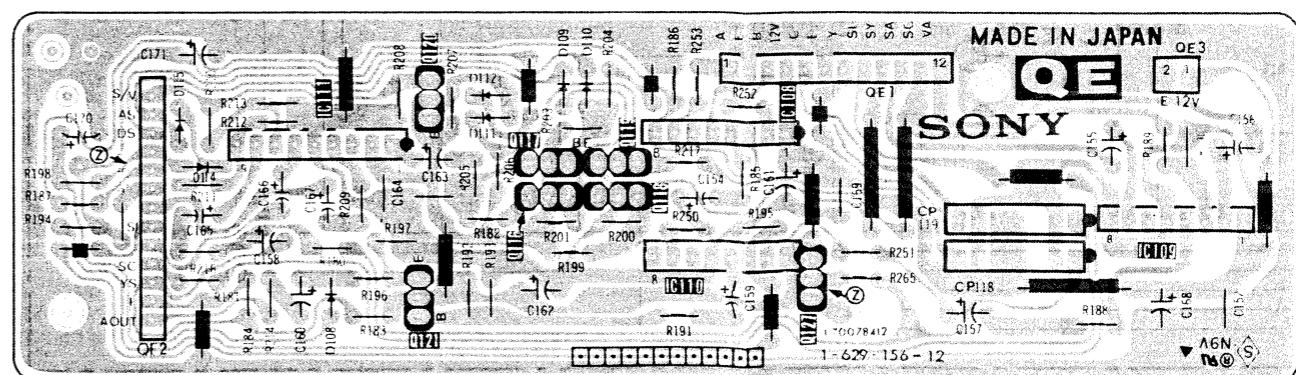
– QC Board –(RVM-2042QM)



– QD Board – (PVM-2042QM)



– QE Board – (PVM-2042QM)



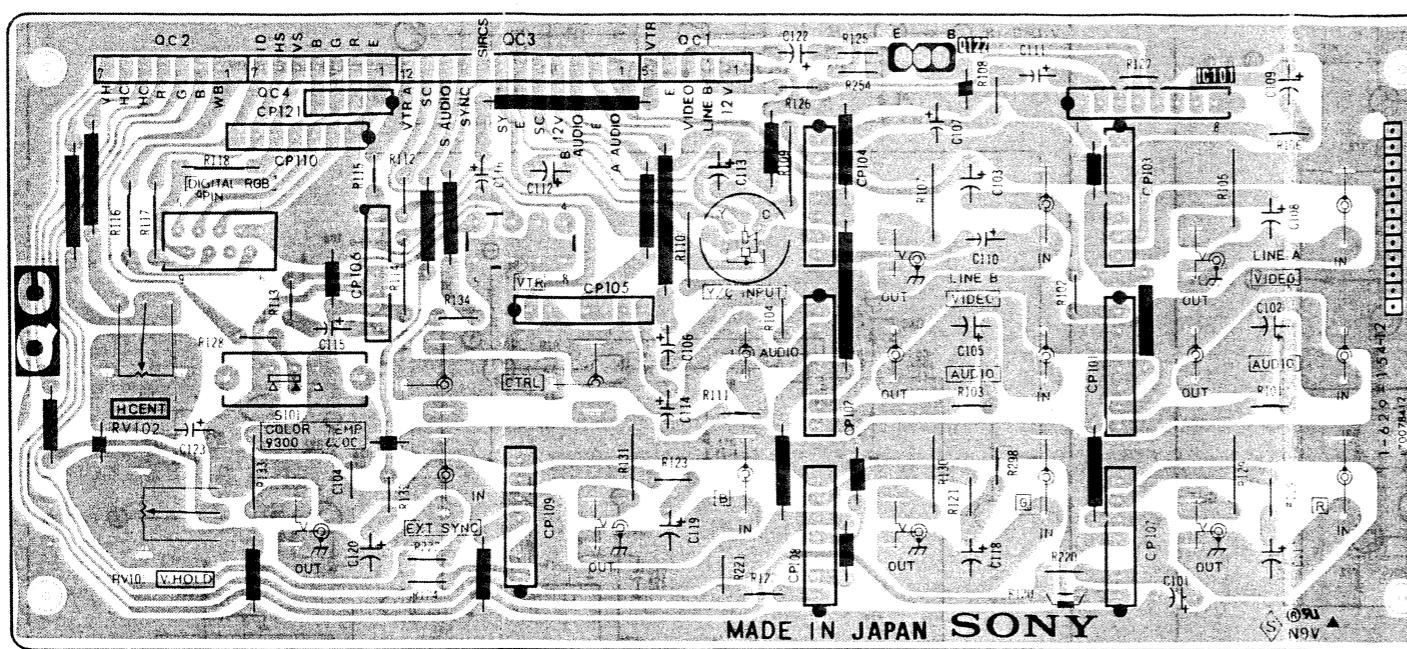
SELECT,

Qc [INPUT SIGNAL SELECT]

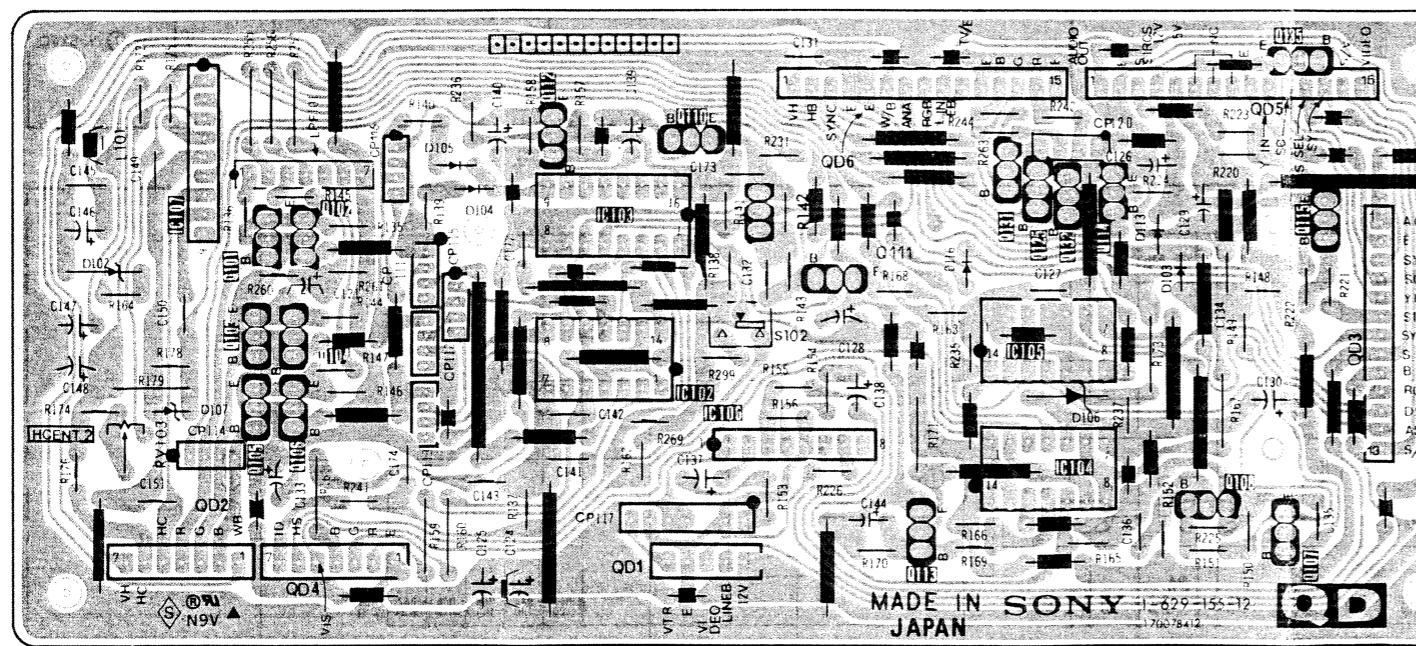
QD R·G·B, VIDEO, SYNC S
GATE, H·POSITION

QE [AUDIO]

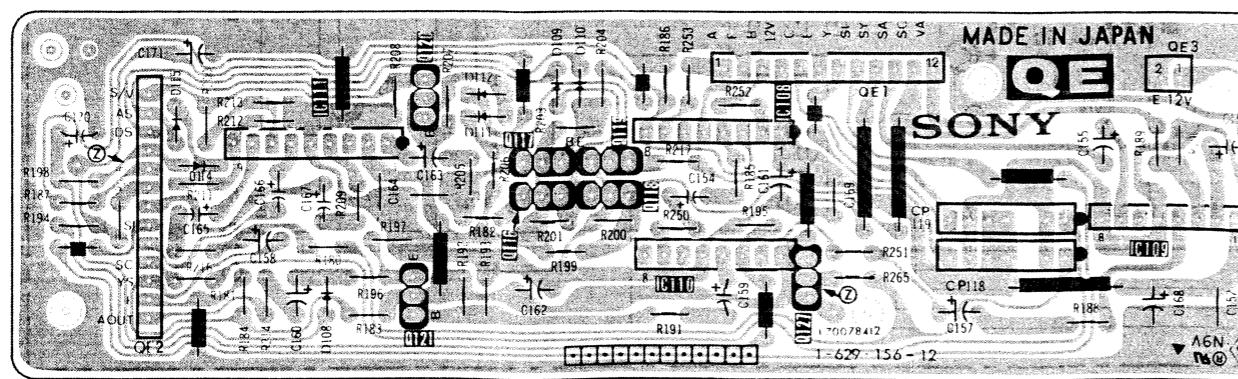
– QC Board –(RVM-2042QM)



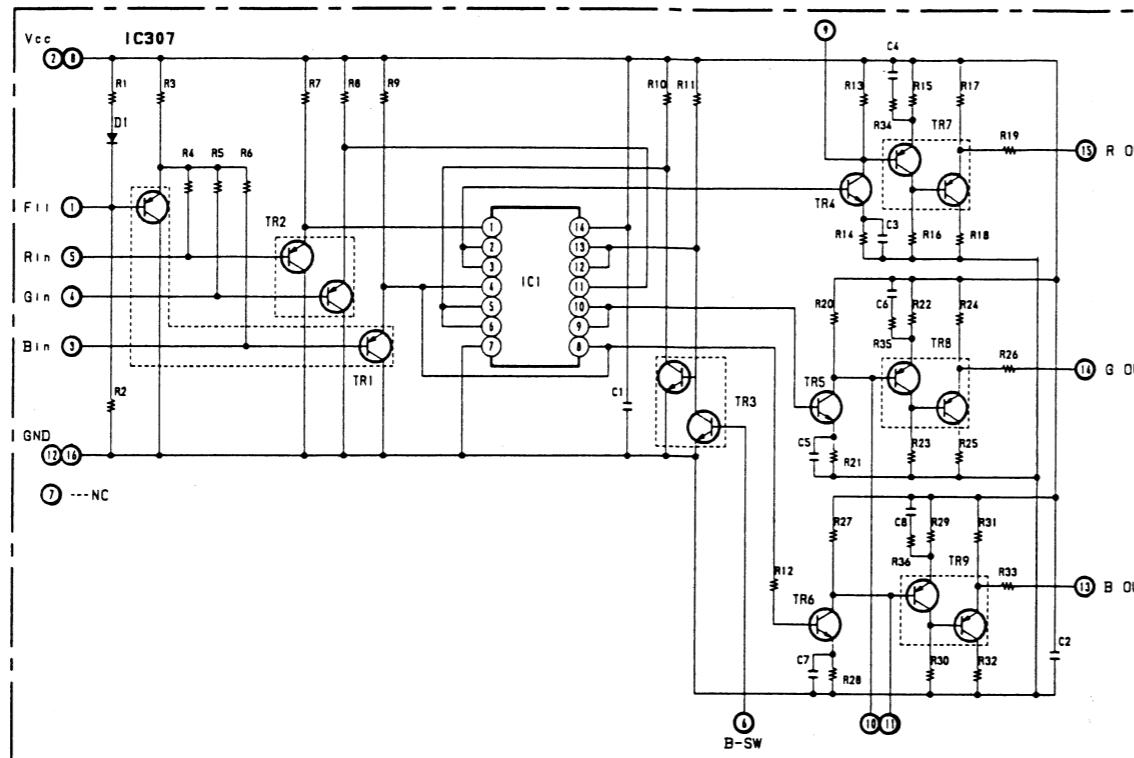
– QD Board – (PVM-2042QM)



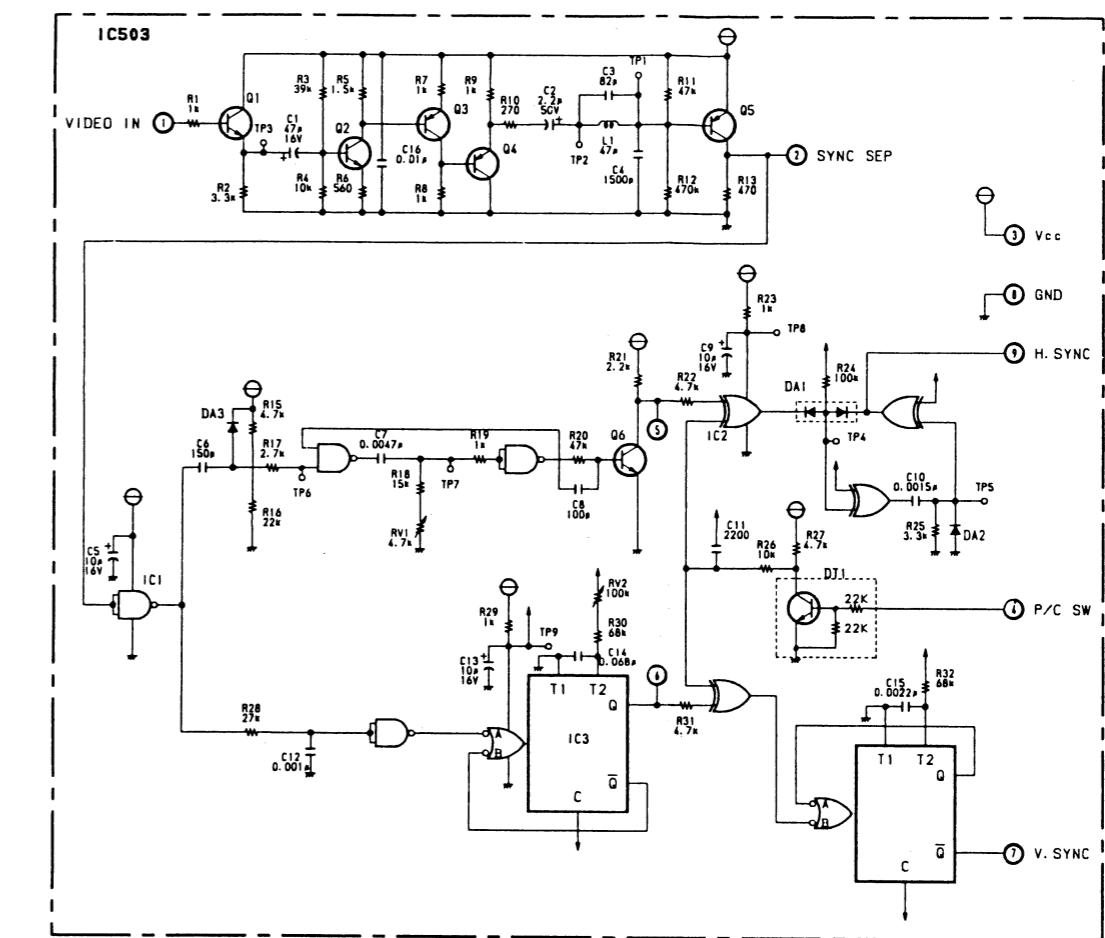
– QE Board – (PVM-2042QM)



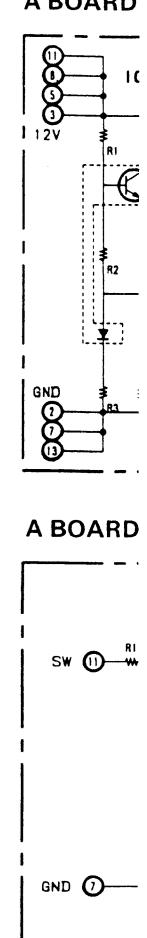
A BOARD IC307 BOM-1



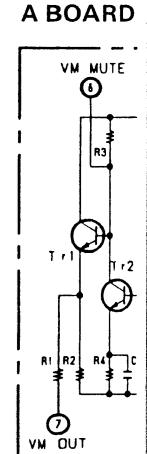
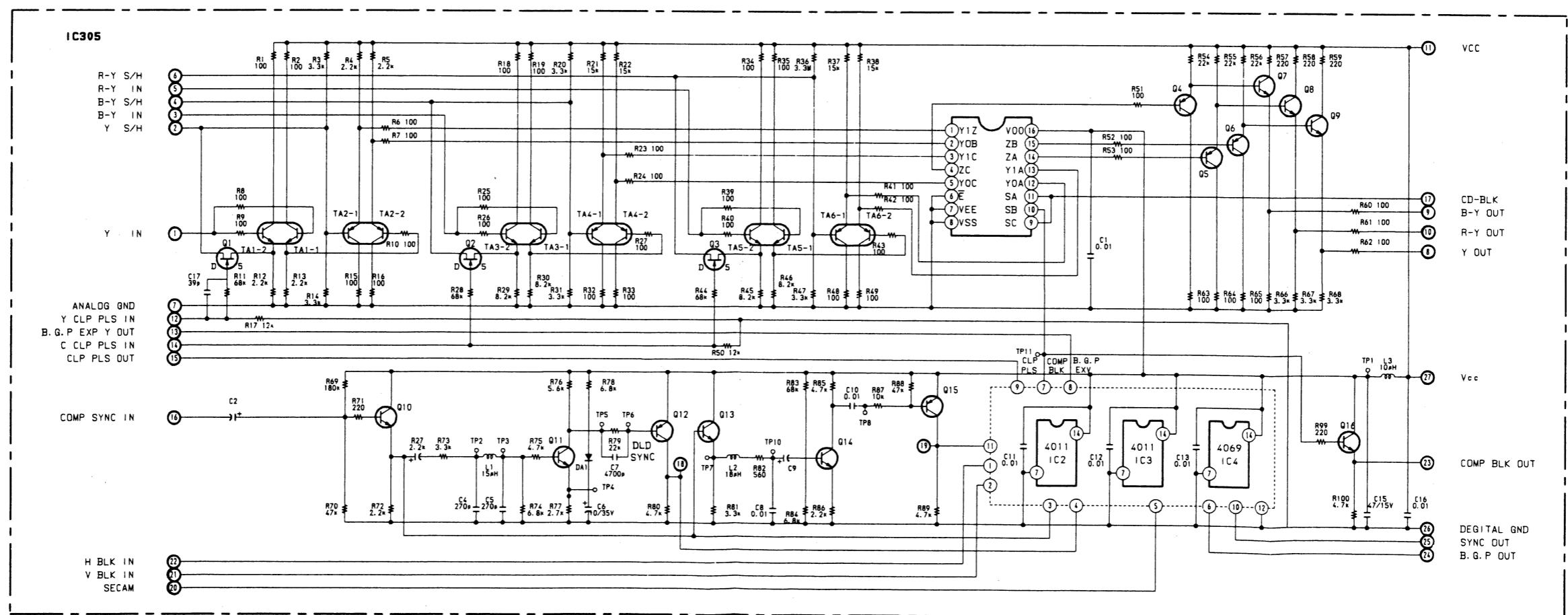
A BOARD IC503 BX7574



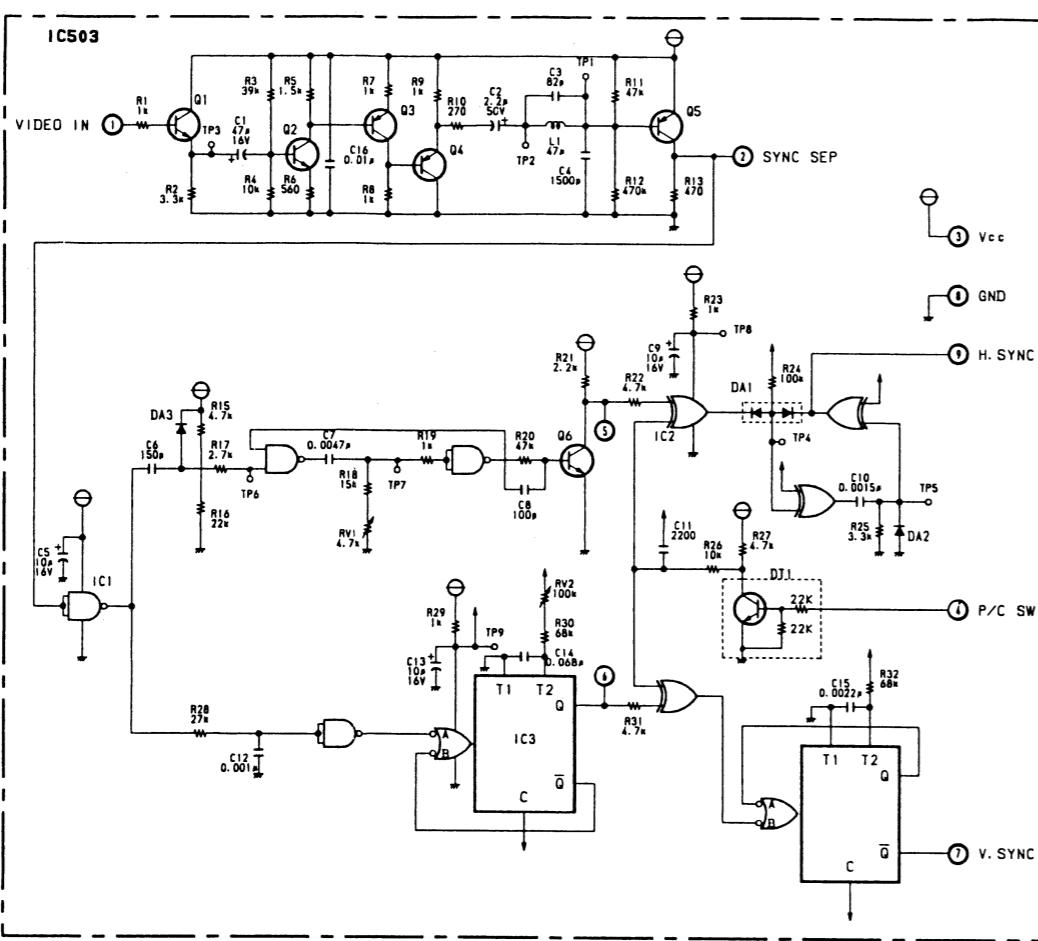
A BOARD



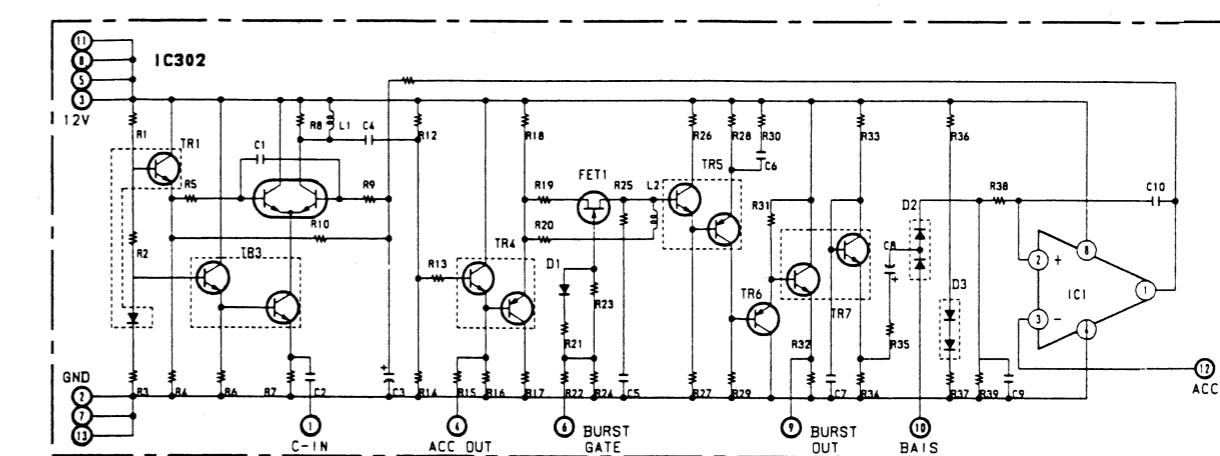
A BOAED IC305 BX-7573



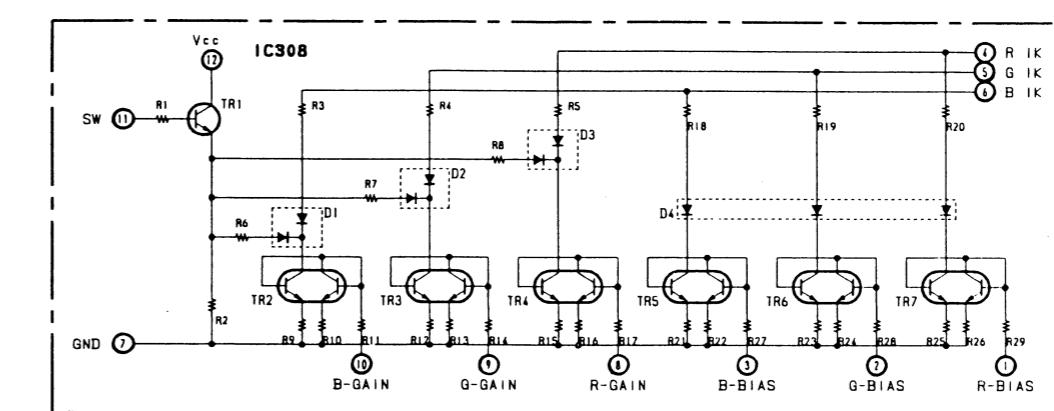
A BOARD IC503 BX7574



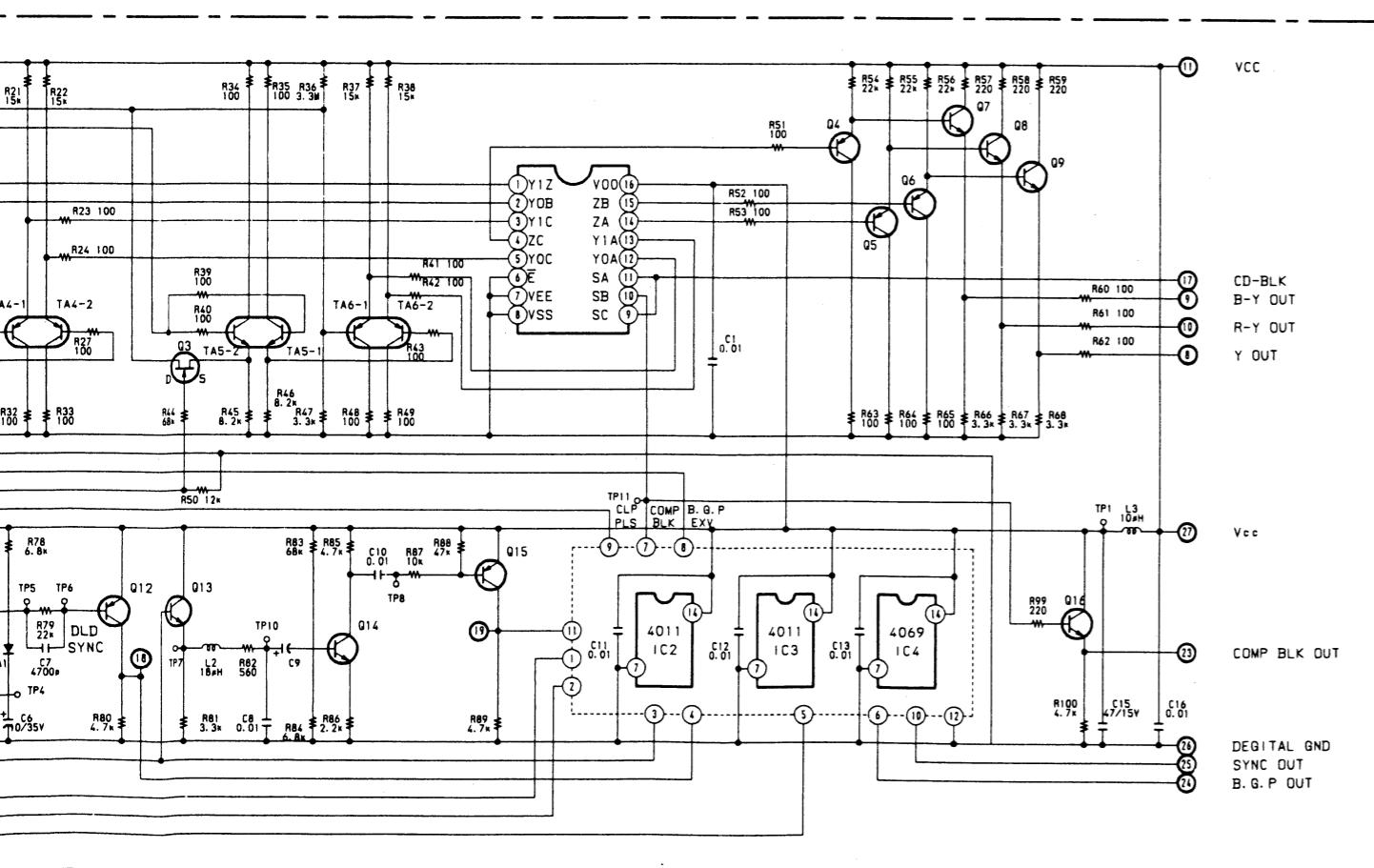
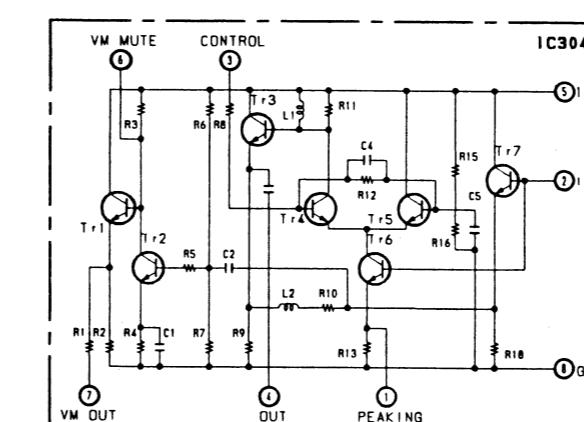
A BOARD IC302 ACC-1



A BOARD IC308 GBM-1

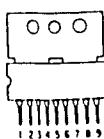


A BOARD IC304

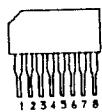


6-6. SEMICONDUCTORS

AN5265



LA7016



2SA1091
2SC1890A
2SC2551

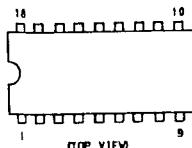
DA709S



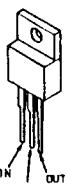
PC111S



AN5613



NJM7812B



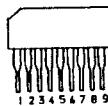
ZSA1175
ZSA1175-HFE
2SC2785
2SC2785-HFE

DA709S

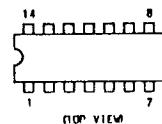


RD10ES-B1
RD10ES-B3
RD10ES-L3
RD12ES-B2
RD13ES-B2
RD13ES-B3
RD15ES-B2
RD18ES-B2
RD24EBZ7
RD39ES-B4
RD4.3ES-L2
RD5.1EB2
RD5.1ES-B2
RD5.6ES-B2
RD5.6ES-L1
RD6.2ES-B2
RD6.8ES-B2
RD7.5ES-B2
RD8.2ES-B2
ISS148

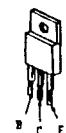
BA236
NJM2243S



SN74LS09N
SN74LS11N
SN74LS136N
TC4066BP
μPC1394C

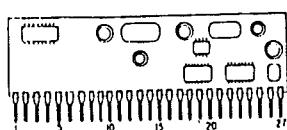


LETTER SIDE
2SA1220A
2SD1134



ERB44-06
ERD28-08S
GP08DPKG23
RD110EB
RGP01-17PKG23
RGP10T
RGP15J
10E2
10ES-B1
15S83

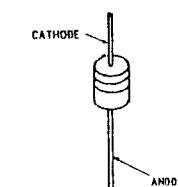
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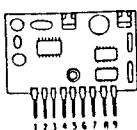
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TC4052BP
TC4053BP
TC4538BP



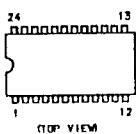
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2SC2611
2SC2688
2SC2690A



BX7574



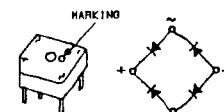
TA7193P



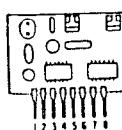
LETTER SIDE
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2SD1397



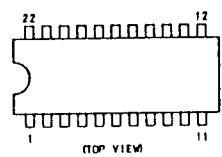
S3WB60Z



BX7595



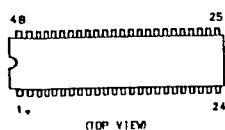
μPC1377C



2SC3460
2SD1397

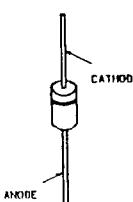
ERC25-06S
RH-1A
RH-1Z
RU2AM
SIB01-02
SIB01-04
SIB01-06

CXA1024S

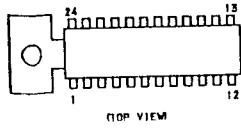


DTA124ES
DTA144ES
DTC124ES
DTC144ES

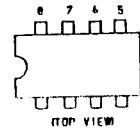
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2SD773-4
2SD774



CX175



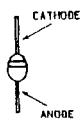
CX-23025
IR9431
μPC358C
μPC4558C



2SK105A-30



ERC26-155
V19E



SECTION 7

EXPLODED VIEWS

NOTE:

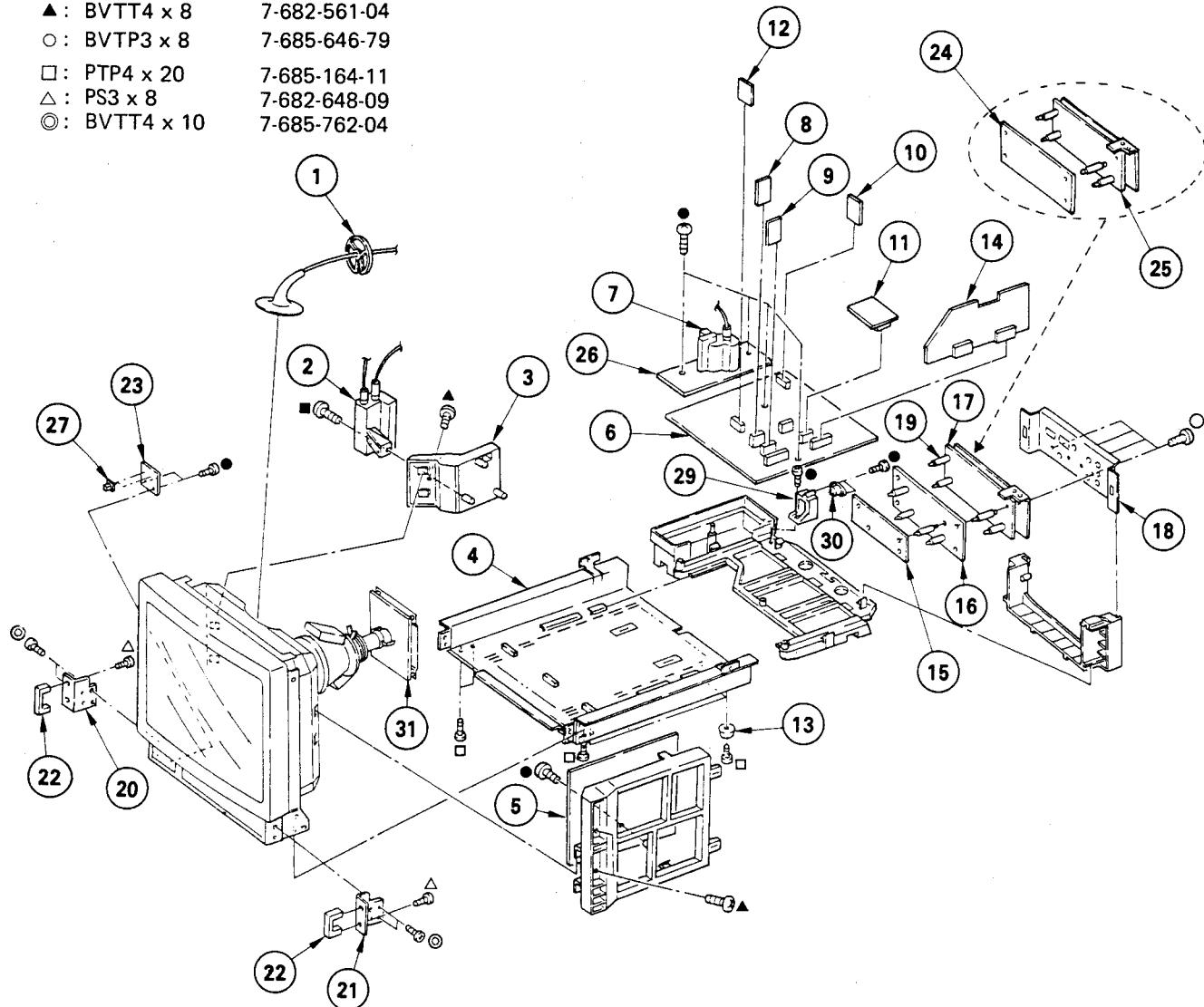
- Items with no part number and no description are not stocked because they are seldom required for routine service.
 - The construction parts of an assembled part are indicated with a collation number in the remark column.

- 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  are critical for safety.
Replace only with part number specified.

7-1. CHASSIS

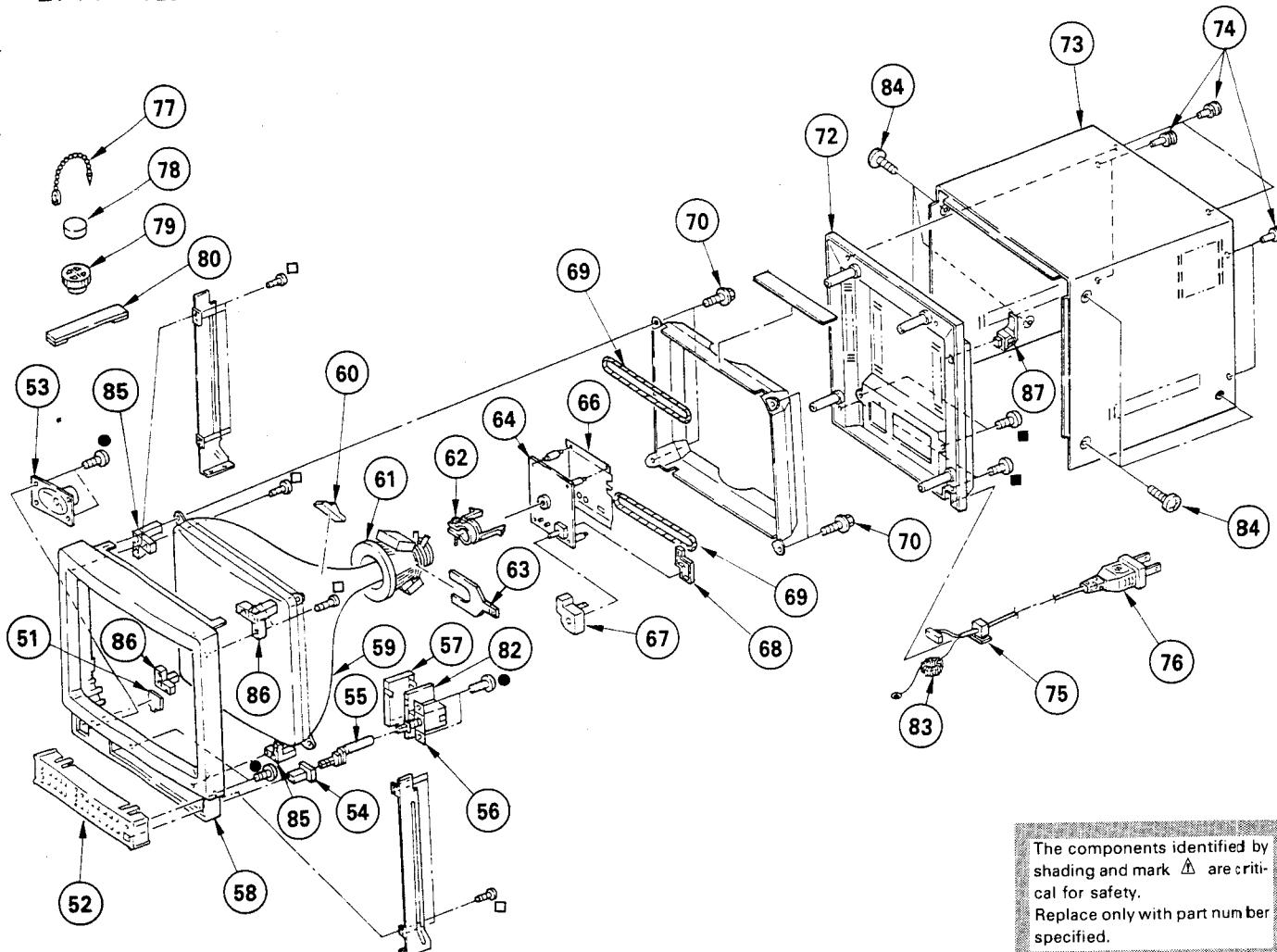
- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79
- ▲ : BVT4 x 8 7-682-561-04
- : BVTP3 x 8 7-685-646-79
- : PTP4 x 20 7-685-164-11
- △ : PS3 x 8 7-682-648-09
- ◎ : BVT4 x 10 7-685-762-04



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	*3-704-372-01	HOLDER, HV CABLE		16	*A-1270-248-A	QD BOARD, COMPLETE (PVM-2042QM ONLY)	
2 Δ	.1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		17	*A-1270-247-A	QC BOARD, COMPLETE (PVM-2042QM ONLY)	
3	*4-391-842-01	BRACKET, HVR		18	4-391-843-01	PLATE, TERMINAL (PVM-2042QM ONLY)	
4	X-4391-818-1	CABINET ASSY, BOTTOM			4-391-843-11	PLATE, TERMINAL (PVM-2042QM ONLY)	
5	*A-1245-479-A	FE BOARD, COMPLETE		19	*3-682-419-01	HOLDER, P.C.B (PVM-2042QM ONLY)	
6	*A-1296-593-A	A BOARD, COMPLETE	8,9	20	*4-393-373-01	BRACKET (LEFT), HANDLE	
7 Δ	.1-439-468-11	TRANSFORMER ASSY, FLYBACK (NX-2310)		21	*4-393-372-01	BRACKET (RIGHT), HANDLE	
8	*1-629-149-11	W BOARD		22	4-382-597-91	HANDLE	
9	*1-629-151-11	XA BOARD		23	*1-632-005-11	II BOARD	
10	*1-632-006-11	Y BOARD		24	*A-1270-246-A	QB BOARD, COMPLETE (PVM-2044QM ONLY)	
11	*1-632-004-11	V BOARD		25	*A-1270-245-A	QA BOARD, COMPLETE (PVM-2044QM ONLY)	
12	*1-632-007-11	T BOARD		26	*1-632-002-11	P BOARD	
13	4-901-947-01	LEG		27	4-374-839-01	BUTTON (A)	
14	*A-1135-613-A	BA BOARD, COMPLETE (PVM-2042QM ONLY)	10-12,26,31	28	4-393-343-01	HOLDER, CONNECTOR (PVM-2044QM ONLY)	
	*A-1135-614-A	BA BOARD, COMPLETE (PVM-2044QM ONLY)	10-12,26,31	30	1-509-718-00	DIN 4P SOCKET (PVM-2044QM ONLY)	
15	*A-1270-249-A	QE BOARD, COMPLETE (PVM-2042QM ONLY)		31	*A-1331-036-A	C BOARD, COMPLETE	

7-2. PICTURE TUBE

- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79
- : PTP4 x 20 7-685-164-11



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	4-393-331-01	COVER, LAMP, TALLY (PVM-2044QM ONLY)		70	4-307-249-00	SCREW (5), TAPPING	
52	1-466-076-11	CONTROL UNIT (PVM-2042QM ONLY)		72	4-393-309-11	COVER, REAR (PVM-2042QM ONLY)	
	1-466-198-11	CONTROL UNIT (PVM-2044QM ONLY)		73	4-393-309-01	COVER, REAR (PVM-2044QM ONLY)	
53	1-544-063-11	SPEAKER		74	4-393-344-01	COVER, TOP	
54	4-374-839-11	BUTTON (A)		75 Δ	*4-364-745-01	RIVET, NYLON	
55	4-391-824-01	JOINT		76 Δ	.1-574-389-12	BUSHING, AC CORD	
56 Δ	.1-554-967-12	SWITCH, PUSH (AC POWER) (1 KEY)		77	4-308-870-00	CORD, POWER (WITH CONNECTOR)	
57	*1-391-820-01	COVER, AC SWITCH		78	1-452-032-00	CLIP, LEAD WIRE	
58	X-4391-817-1	BEZEL ASSY (PVM-2042QM ONLY)		79	1-452-094-00	MAGNET, DISK; 10MM ϕ	
	X-4391-813-1	BEZEL ASSY (PVM-2044QM ONLY)	51	80	X-4309-608-0	MAGNET, ROTATABLE DISK; 15MM ϕ	
59 Δ	.8-736-122-05	PICTURE TUBE (M49KGH21X)		82	*1-629-153-11	PERMALLOY ASSY, CONVERGENCE	
60	3-703-961-01	SPACER, DY		83	1-543-604-11	J BOARD	
61 Δ	.1-451-349-11	DEFLECTION YOKE (Y20FZA)		84	4-847-802-11	CORE, RING	
62	*1-382-050-01	BAND, C PCB BOARD		85	4-393-334-01	SCREW (OS), CASE, CLAW	
63	1-452-277-00	MAGNET, BMC		86	4-393-333-01	BRACKET (B), PICTURE TUBE	
64	*1-1331-036-A	C BOARD, COMPLETE		87	4-329-439-00	BRACKET (A), PICTURE TUBE	
66	*4-391-835-01	PLATE (C), SHIELD (PVM-2042QM ONLY)				CLAMPER, FEEDER	
67	*4-379-167-01	COVER (MAIN), CV					
68	*4-379-160-01	COVER (REAR LID), CV					
69 Δ	.1-426-450-11	COIL, DEMAGNETIZATION					

SECTION 8

ELECTRICAL PARTS LIST

NOTE :

The components identified by shading and mark  are critical for safety.

**Replace only with part number
specified.**

- 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.

RESISTORS

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

BA

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<MODULE>							
CTR210	1-236-366-11	MODULE, TRAP		Q262	8-729-119-78	TRANSISTOR 2SC2785-HFE	
CTR211	1-236-365-11	MODULE, TRAP		Q263	8-729-119-78	TRANSISTOR 2SC2785-HFE	
PCM290	1-808-628-11	MODULE, PHASE PHM-1		Q264	8-729-119-76	TRANSISTOR 2SA1175-HFE	
SEP270	1-808-654-11	MODULE		Q265	8-729-119-78	TRANSISTOR 2SC2785-HFE	
<DIODE>							
D210	8-719-911-19	DIODE ISS119		Q280	8-729-900-89	TRANSISTOR DTC144ES	
D211	8-719-911-19	DIODE ISS119		Q401	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D212	8-719-911-19	DIODE ISS119		Q402	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D240	8-719-110-16	DIODE RD10ES-B1		Q403	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D280	8-719-911-19	DIODE ISS119		Q404	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D401	8-719-911-19	DIODE ISS119		Q405	8-729-900-63	TRANSISTOR DTA124ES	
D402	8-719-911-19	DIODE ISS119		Q406	8-729-119-78	TRANSISTOR 2SC2785-HFE	
<DELAY LINE>							
DL230	1-415-632-11	DELAY LINE, Y		Q407	8-729-119-78	TRANSISTOR 2SC2785-HFE	
<RESISTOR>							
<IC>							
FPG280	8-749-920-73	IC BX7595		R201	1-249-435-11	CARBON	33K 5% 1/4W
IC201	8-759-800-81	IC LA7016		R202	1-249-435-11	CARBON	33K 5% 1/4W
IC210	8-759-240-53	IC TC4053BP		R203	1-249-405-11	CARBON	100 5% 1/4W
IC250	8-759-800-81	IC LA7016		R204	1-249-421-11	CARBON	2.2K 5% 1/4W
IC260	8-759-208-14	IC TC4066BPHB		R205	1-249-433-11	CARBON	22K 5% 1/4W
IC261	8-759-208-14	IC TC4066BPHB		R206	1-249-432-11	CARBON	18K 5% 1/4W
IC401	8-751-750-00	IC CX175		R207	1-249-409-11	CARBON	220 5% 1/4W
<COIL>							
L280	1-410-509-11	INDUCTOR	10UH	R208	1-249-411-11	CARBON	330 5% 1/4W
L281	1-410-478-11	INDUCTOR	47UH	R209	1-215-894-11	METAL OXIDE	2.2K 5% 2W F
L282	1-410-470-11	INDUCTOR	10UH	R210	1-249-437-11	CARBON	47K 5% 1/4W
L401	1-410-087-31	INDUCTOR	10MMH	R211	1-249-437-11	CARBON	47K 5% 1/4W
L402	1-408-411-00	INDUCTOR	15UH	R212	1-249-437-11	CARBON	47K 5% 1/4W
L403	1-404-496-00	COIL		R213	1-249-429-11	CARBON	10K 5% 1/4W
L404	1-408-411-00	INDUCTOR	15UH	R214	1-249-433-11	CARBON	22K 5% 1/4W
L405	1-404-496-00	COIL		R215	1-249-437-11	CARBON	47K 5% 1/4W
L406	1-410-470-11	INDUCTOR	10UH	R216	1-249-429-11	CARBON	10K 5% 1/4W
L408	1-410-336-11	INDUCTOR	220UH	R217	1-249-429-11	CARBON	10K 5% 1/4W
<TRANSISTOR>							
Q201	8-729-119-78	TRANSISTOR 2SC2785-HFE		R218	1-249-425-11	CARBON	4.7K 5% 1/4W
Q210	8-729-119-78	TRANSISTOR 2SC2785-HFE		R219	1-249-405-11	CARBON	100 5% 1/4W
Q211	8-729-119-76	TRANSISTOR 2SA1175-HFE		R220	1-249-428-11	CARBON	8.2K 5% 1/4W
Q212	8-729-900-89	TRANSISTOR DTC144ES		R221	1-249-423-11	CARBON	3.3K 5% 1/4W
Q213	8-729-900-89	TRANSISTOR DTC144BS		R222	1-249-439-11	CARBON	68K 5% 1/4W
Q214	8-729-119-78	TRANSISTOR 2SC2785-HFE		R223	1-249-439-11	CARBON	68K 5% 1/4W
Q221	8-729-900-89	TRANSISTOR DTC144ES		R224	1-249-439-11	CARBON	68K 5% 1/4W
Q222	8-729-900-63	TRANSISTOR DTA124ES		R225	1-249-439-11	CARBON	68K 5% 1/4W
Q230	8-729-119-78	TRANSISTOR 2SC2785-HFE		R226	1-249-439-11	CARBON	68K 5% 1/4W
Q231	8-729-119-78	TRANSISTOR 2SC2785-HFE		R227	1-249-386-11	CARBON	2.7 5% 1/4W F
Q232	8-729-119-78	TRANSISTOR 2SC2785-HFE		R228	1-249-433-11	CARBON	22K 5% 1/4W
Q233	8-729-119-76	TRANSISTOR 2SA1175-HFE		R229	1-249-433-11	CARBON	22K 5% 1/4W
Q234	8-729-119-78	TRANSISTOR 2SC2785-HFE		R230	1-249-429-11	CARBON	10K 5% 1/4W
Q240	8-729-140-96	TRANSISTOR 2SD774-34		R231	1-249-422-11	CARBON	2.7K 5% 1/4W
Q241	8-729-119-78	TRANSISTOR 2SC2785-HFE		R232	1-249-415-11	CARBON	680 5% 1/4W
Q242	8-729-119-78	TRANSISTOR 2SC2785-HFE		R233	1-249-415-11	CARBON	680 5% 1/4W
Q243	8-729-119-78	TRANSISTOR 2SC2785-HFE		R234	1-249-411-11	CARBON	330 5% 1/4W
Q258	8-729-119-78	TRANSISTOR 2SC2785-HFE		R235	1-249-416-11	CARBON	820 5% 1/4W
Q259	8-729-119-78	TRANSISTOR 2SC2785-HFE		R236	1-249-411-11	CARBON	330 5% 1/4W
Q260	8-729-900-89	TRANSISTOR DTC144ES		R237	1-249-411-11	CARBON	330 5% 1/4W
Q261	8-729-119-78	TRANSISTOR 2SC2785-HFE		R238	1-249-405-11	CARBON	100 5% 1/4W
				R239	1-249-417-11	CARBON	1K 5% 1/4W
				R240	1-249-407-11	CARBON	150 5% 1/4W
				R241	1-247-895-00	CARBON	470K 5% 1/4W
				R242	1-249-421-11	CARBON	2.2K 5% 1/4W
				R243	1-249-435-11	CARBON	33K 5% 1/4W
				R244	1-249-435-11	CARBON	33K 5% 1/4W
				R245	1-249-422-11	CARBON	2.7K 5% 1/4W
				R246	1-249-435-11	CARBON	33K 5% 1/4W
				R247	1-249-435-11	CARBON	33K 5% 1/4W

B

C

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
R248	1-249-422-11	CARBON	2.7K 5% 1/4W	R424	1-249-429-11	CARBON	10K 5% 1/4W				
R249	1-249-432-11	CARBON	18K 5% 1/4W	R425	1-249-414-11	CARBON	560 5% 1/4W				
R250	1-249-405-11	CARBON	100 5% 1/4W	R426	1-249-422-11	CARBON	2.7K 5% 1/4W				
R251	1-249-433-11	CARBON	22K 5% 1/4W	R427	1-249-426-11	CARBON	5.6K 5% 1/4W				
R252	1-249-421-11	CARBON	2.2K 5% 1/4W	R428	1-249-412-11	CARBON	390 5% 1/4W				
R253	1-249-415-11	CARBON	680 5% 1/4W	R429	1-249-425-11	CARBON	4.7K 5% 1/4W				
R254	1-249-420-11	CARBON	1.8K 5% 1/4W	R430	1-249-408-11	CARBON	180 5% 1/4W				
R255	1-249-417-11	CARBON	1K 5% 1/4W	R431	1-249-411-11	CARBON	330 5% 1/4W				
R256	1-249-405-11	CARBON	100 5% 1/4W	R432	1-249-422-11	CARBON	2.7K 5% 1/4W				
R257	1-249-417-11	CARBON	1K 5% 1/4W	R433	1-249-437-11	CARBON	47K 5% 1/4W				
R258	1-249-405-11	CARBON	100 5% 1/4W	R435	1-249-433-11	CARBON	22K 5% 1/4W				
R259	1-249-441-11	CARBON	100K 5% 1/4W	R436	1-249-437-11	CARBON	47K 5% 1/4W				
R260	1-249-425-11	CARBON	4.7K 5% 1/4W	R437	1-249-437-11	CARBON	47K 5% 1/4W				
R261	1-247-891-00	CARBON	330K 5% 1/4W	R438	1-249-437-11	CARBON	47K 5% 1/4W				
R262	1-249-435-11	CARBON	33K 5% 1/4W	R439	1-249-426-11	CARBON	5.6K 5% 1/4W				
R263	1-249-422-11	CARBON	2.7K 5% 1/4W	R440	1-249-437-11	CARBON	47K 5% 1/4W				
R264	1-249-422-11	CARBON	2.7K 5% 1/4W	R441	1-249-440-11	CARBON	82K 5% 1/4W				
R268	1-249-417-11	CARBON	1K 5% 1/4W	R442	1-249-405-11	CARBON	100 5% 1/4W				
R270	1-249-417-11	CARBON	1K 5% 1/4W	R443	1-249-405-11	CARBON	100 5% 1/4W				
R271	1-249-417-11	CARBON	1K 5% 1/4W	R444	1-249-432-11	CARBON	18K 5% 1/4W				
R272	1-249-417-11	CARBON	1K 5% 1/4W	R445	1-249-432-11	CARBON	18K 5% 1/4W				
R273	1-249-426-11	CARBON	5.6K 5% 1/4W	R446	1-249-437-11	CARBON	47K 5% 1/4W				
R274	1-249-429-11	CARBON	10K 5% 1/4W	R447	1-249-437-11	CARBON	47K 5% 1/4W				
R275	1-249-413-11	CARBON	470 5% 1/4W	R448	1-249-435-11	CARBON	33K 5% 1/4W				
R276	1-249-417-11	CARBON	1K 5% 1/4W	R449	1-249-417-11	CARBON	1K 5% 1/4W				
R277	1-247-891-00	CARBON	330K 5% 1/4W	RV290	1-228-994-00	RES, ADJ, CARBON	10K				
R278	1-247-891-00	CARBON	330K 5% 1/4W	RV291	1-228-991-00	RES, ADJ, CARBON	2.2K				
R279	1-249-429-11	CARBON	10K 5% 1/4W	RV292	1-228-991-00	RES, ADJ, CARBON	2.2K				
R280	1-249-429-11	CARBON	10K 5% 1/4W	<VARIABLE RESISTOR>							
R281	1-249-429-11	CARBON	10K 5% 1/4W	T401	1-404-584-11	COIL					
R282	1-249-429-11	CARBON	10K 5% 1/4W	*****							
R283	1-249-429-11	CARBON	10K 5% 1/4W	*****							
R284	1-249-429-11	CARBON	10K 5% 1/4W	*****							
R285	1-249-429-11	CARBON	10K 5% 1/4W	*****							
R290	1-249-441-11	CARBON	100K 5% 1/4W	<COIL>							
R291	1-249-413-11	CARBON	470 5% 1/4W	*****							
R292	1-249-435-11	CARBON	33K 5% 1/4W	*****							
R293	1-249-435-11	CARBON	33K 5% 1/4W	*****							
R294	1-249-405-11	CARBON	100 5% 1/4W	*****							
R295	1-249-405-11	CARBON	100 5% 1/4W	*****							
R296	1-249-405-11	CARBON	100 5% 1/4W	*****							
R297	1-249-405-11	CARBON	100 5% 1/4W	*****							
R299	1-249-429-11	CARBON	10K 5% 1/4W	*****							
R401	1-249-419-11	CARBON	1.5K 5% 1/4W	*****							
R403	1-247-881-00	CARBON	120K 5% 1/4W	*****							
R405	1-215-429-00	METAL	2.2K 1% 1/6W	*****							
R406	1-249-429-11	CARBON	10K 5% 1/4W	*****							
R407	1-249-422-11	CARBON	2.7K 5% 1/4W	*****							
R408	1-249-414-11	CARBON	560 5% 1/4W	*****							
R409	1-249-421-11	CARBON	2.2K 5% 1/4W	*****							
R410	1-249-419-11	CARBON	1.5K 5% 1/4W	<CONNETER>							
R411	1-249-419-11	CARBON	1.5K 5% 1/4W	C1	*1-508-768-00	PIN, CONNECTOR (5MM PITCH)	1P				
R412	1-249-423-11	CARBON	3.3K 5% 1/4W	C2	*1-526-798-51	SOCKET, PICTURE TUBE					
R413	1-249-434-11	CARBON	27K 5% 1/4W	C3	*4-341-751-01	EYELET (EY16)					
R414	1-247-895-00	CARBON	470K 5% 1/4W	C4	*4-341-752-01	EYELET (EY14,EY15)					
R415	1-249-412-11	CARBON	390 5% 1/4W	C5	*4-379-160-01	COVER (REAR LID), CV					
R416	1-249-415-11	CARBON	680 5% 1/4W	<CAPACITOR>							
R417	1-249-409-11	CARBON	220 5% 1/4W	C701	1-102-824-00	CERAMIC	470PF 5% 50V				
R418	1-249-425-11	CARBON	4.7K 5% 1/4W	C702	1-102-824-00	CERAMIC	470PF 5% 50V				
R419	1-249-433-11	CARBON	22K 5% 1/4W	C703	1-102-824-00	CERAMIC	470PF 5% 50V				
R420	1-215-431-00	METAL	2.7K 1% 1/6W	C704	1-102-121-00	CERAMIC	0.0022MF 10% 50V				
R421	1-249-419-11	CARBON	1.5K 5% 1/4W	C705	1-123-875-11	ELECT	10MP 20% 50V				
R422	1-249-419-11	CARBON	1.5K 5% 1/4W	C706	1-101-002-00	CERAMIC	0.0022MF 10% 50V				
R423	1-249-421-11	CARBON	2.2K 5% 1/4W	C707	1-162-116-00	CERAMIC	680PF 10% 2KV				
				C708	1-136-601-11	FILM	0.01MF 10% 630V				
				C713	1-162-116-00	CERAMIC	680PF 10% 2KV				

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

C P

REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C714	1-102-116-00	CERAMIC	680PF	10%	50V	R708	1-249-418-11	CARBON	1.2K	5%	1/4W
C715	1-102-116-00	CERAMIC	680PF	10%	50V	R709	1-249-418-11	CARBON	1.2K	5%	1/4W
C716	1-102-116-00	CERAMIC	680PF	10%	50V	R710	1-249-402-11	CARBON	56	5%	1/4W
C717	1-162-599-12	CERAMIC	0.0047MF	20%	400V	R711	1-249-405-11	CARBON	100	5%	1/4W
C722	1-162-622-11	CERAMIC	330PF	10%	6.3KV	R712	1-249-402-11	CARBON	56	5%	1/4W
C724	1-124-667-11	ELECT	10MF	20%	100V	R715	1-202-818-00	SOLID	1K	10%	1/2W
C726	1-123-946-00	ELECT	4.7MF	20%	250V	R716	1-216-486-00	METAL OXIDE	8.2K	5%	3W
C733	1-162-318-11	CERAMIC	0.001MF	10%	500V	R717	1-202-818-00	SOLID	1K	10%	1/2W
		<DIODE>				R718	1-216-486-00	METAL OXIDE	8.2K	5%	3W
						R719	1-202-818-00	SOLID	1K	10%	1/2W
D701	8-719-911-19	DIODE	ISS119			R720	1-216-486-00	METAL OXIDE	8.2K	5%	3W
D702	8-719-911-19	DIODE	ISS119			R721	1-216-397-11	METAL OXIDE	4.7	5%	3W
D703	8-719-911-19	DIODE	ISS119			R722	1-202-842-11	SOLID	220K	10%	1/2W
D704	8-719-911-19	DIODE	ISS119			R723	1-202-838-00	SOLID	100K	10%	1/2W
D705	8-719-911-19	DIODE	ISS119			R724	1-202-842-11	SOLID	220K	10%	1/2W
D706	8-719-911-19	DIODE	ISS119			R725	1-202-838-00	SOLID	100K	10%	1/2W
D707	8-729-901-83	DIODE	ISS83			R726	1-202-846-00	SOLID	470K	10%	1/2W
D708	8-729-901-83	DIODE	ISS83			R727	1-202-842-11	SOLID	220K	10%	1/2W
D709	8-729-901-83	DIODE	ISS83			R728	1-202-837-00	SOLID	82K	10%	1/2W
D713	8-729-901-83	DIODE	ISS83			R729	1-202-549-00	SOLID	100	10%	1/2W
D715	8-729-901-83	DIODE	ISS83			R730	1-202-842-11	SOLID	220K	10%	1/2W
D716	8-729-901-83	DIODE	ISS83			R731	1-249-409-11	CARBON	220	5%	1/4W
D717	8-729-901-83	DIODE	ISS83			R732	1-249-409-11	CARBON	220	5%	1/4W
		<FILTER>				R733	1-249-409-11	CARBON	220	5%	1/4W
						R734	1-249-409-11	CARBON	220	5%	1/4W
FL701	1-236-388-11	FILTER, EMI				R735	1-249-409-11	CARBON	220	5%	1/4W
FL702	1-236-388-11	FILTER, EMI				R736	1-249-409-11	CARBON	220	5%	1/4W
FL703	1-236-388-11	FILTER, EMI				R737	1-249-405-11	CARBON	100	5%	1/4W
		<COIL>				R738	1-249-405-11	CARBON	100	5%	1/4W
						R739	1-249-405-11	CARBON	100	5%	1/4W
L701	1-408-121-00	INDUCTOR	22UH			R740	1-249-433-11	CARBON	22K	5%	1/4W
L702	1-408-414-00	INDUCTOR	27UH			R741	1-249-433-11	CARBON	22K	5%	1/4W
L703	1-410-476-11	INDUCTOR	33UH			R742	1-249-433-11	CARBON	22K	5%	1/4W
L704	1-408-414-00	INDUCTOR	27UH			R743	1-249-441-11	CARBON	100K	5%	1/4W
		<TRANSISTOR>				R744	1-249-423-11	CARBON	3.3K	5%	1/4W
Q701	8-729-119-78	TRANSISTOR	2SC2785-HFE			R745	1-249-429-11	CARBON	10K	5%	1/4W
Q702	8-729-119-78	TRANSISTOR	2SC2785-HFE			R746	1-215-902-11	METAL OXIDE	47K	5%	1W
Q703	8-729-119-78	TRANSISTOR	2SC2785-HFE			R747	1-247-725-11	CARBON	10K	5%	1/4W
Q704	8-729-200-17	TRANSISTOR	2SA1091			R748	1-247-713-11	CARBON	1K	5%	1/4W
Q705	8-729-200-17	TRANSISTOR	2SA1091			R749	1-215-902-11	METAL OXIDE	47K	5%	2W
Q706	8-729-200-17	TRANSISTOR	2SA1091			R750	1-215-905-11	METAL OXIDE	10	5%	3W
Q707	8-729-326-11	TRANSISTOR	2SC2611			R751	1-247-887-00	CARBON	220K	5%	1/4W
Q708	8-729-326-11	TRANSISTOR	2SC2611			R752	1-247-887-00	CARBON	220K	5%	1/4W
Q709	8-729-326-11	TRANSISTOR	2SC2611			R753	1-247-887-00	CARBON	220K	5%	1/4W
Q710	8-729-200-17	TRANSISTOR	2SA1091					<VARIABLE RESISTOR>			
Q711	8-729-200-17	TRANSISTOR	2SA1091			RV708A	1-230-619-11	RES, ADJ, METAL GLAZE	110M		
Q712	8-729-200-17	TRANSISTOR	2SA1091			RV709	1-226-114-00	RES, ADJ, METAL GLAZE	2.2M		
Q713	8-729-255-12	TRANSISTOR	2SC2551					*****			
Q714	8-729-255-12	TRANSISTOR	2SC2551			*1-632-002-11	P BOARD				
Q715	8-729-178-55	TRANSISTOR	2SC2785-E					*****			
Q716	8-729-178-55	TRANSISTOR	2SC2785-E			*4-341-751-01	EYELET (EY5, EY6, EY7, EY8, EY9, EY10, EY11)				
Q717	8-729-178-55	TRANSISTOR	2SC2785-E			*4-341-752-01	EYELET (EY12, EY13)				
		<RESISTOR>				*4-341-752-01	EYELET (EY1, EY2, EY3, EY4)				
		<CAPACITOR>									
R702	1-247-887-00	CARBON	220K	5%	1/4W	C901	1-162-114-00	CERAMIC	0.0047MF		2K
R704	1-249-410-11	CARBON	270	5%	1/4W	C902	1-102-212-00	CERAMIC	820PF	10%	500V
R705	1-249-410-11	CARBON	270	5%	1/4W	C903	1-124-931-11	ELECT	47MF	20%	100V
R706	1-249-410-11	CARBON	270	5%	1/4W	C904	1-108-693-11	MYLAR	0.012MF	10%	200V
R707	1-249-418-11	CARBON	1.2K	5%	1/4W						

PVM-2042QM/2044QM

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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
C905	1-108-700-11	MYLAR	0.047MF	10%	200V			<TRANSFORMER>			
C906	1-106-389-00	MYLAR	0.082MF	10%	200V			T901 Δ.1-439-468-11 TRANSFORMER ASSY FLYBACK (NX-2310)			
C907 Δ	1-123-935-51	ELECT	33MF	20%	160V			T902 1-413-059-00 TRANSFORMER, FERRITE (DFT)			
C908	1-123-948-00	ELECT	22MF	20%	250V			T903 Δ.1-460-017-11 TRANSFORMER			
C909	1-126-101-11	ELECT	100MF	20%	16V			*****			
C910	1-124-120-11	ELECT	220MF	20%	16V			*1-632-006-11 Y BOARD			
C911	1-126-101-11	ELECT	100MF	20%	16V			*****			
		<DIODE>						*1-632-006-11 Y BOARD			
D901	8-719-300-65	DIODE ES1F						*****			
D902	8-719-300-76	DIODE RH-1A						<CAPACITOR>			
D903	8-719-200-02	DIODE 10E2						C1500 1-124-499-11 ELECT			
D904	8-719-110-31	DIODE RD12ES-B2						1MF 20% 50V			
D905	8-719-911-19	DIODE ISS119						C1501 1-102-125-00 CERAMIC			
		0.0047MF 10% 50V						*****			
D906	8-719-110-18	DIODE RD10ES-B3						<IC>			
D907	8-719-911-19	DIODE ISS119						IC1500 8-759-909-70 IC CX23025			
		<COIL>						<TRANSISTOR>			
L901	1-408-072-00	INDUCTOR	47UH					Q1500 8-729-119-78 TRANSISTOR 2SC2785-HFE			
L902 Δ	1-459-407-11	COIL, FERRITE CHOKE						Q1501 8-729-119-78 TRANSISTOR 2SC2785-HFE			
L903	1-459-104-00	COIL, DUST CORE						Q1502 8-729-900-63 TRANSISTOR DTA124ES			
L904 Δ	1-459-106-11	COIL, DUST, CORE						<NEON LAMP>			
NL901	1-519-108-99	LAMP, NEON						<RESISTOR>			
		<CONNECTOR>						R1500 1-249-437-11 CARBON			
P1	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P						47K 5% 1/4W			
P2	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P						R1501 1-249-437-11 CARBON			
P3	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P						47K 5% 1/4W			
P4	*1-564-507-11	PLUG, CONNECTOR 4P						R1502 1-249-437-11 CARBON			
P5	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P						47K 5% 1/4W			
P6	*1-564-505-11	PLUG, CONNECTOR 2 (PVM-2044QM ONLY)						R1503 1-249-429-11 CARBON			
P7	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P						47K 5% 1/4W			
		<TRANSISTOR>						<CONNECTOR>			
Q901	8-729-119-76	TRANSISTOR 2SA1175-HFE						R1505 1-249-437-11 CARBON			
Q902	8-729-140-96	TRANSISTOR 2SD774-34						47K 5% 1/4W			
		<RESISTOR>						<TRANSISTOR>			
R901	1-215-892-11	METAL OXIDE	1K	5%	2W	F		*1-632-007-11 T BOARD			
R902	1-216-445-11	METAL OXIDE	12	5%	2W	F		*****			
R903	1-249-448-11	CARBON	1.2	5%	1/4W	F		*1-564-505-11 PLUG, CONNECTOR 2P			
R904	1-247-692-11	CARBON	22	5%	1/4W	F		*1-564-508-11 PLUG, CONNECTOR 5P			
R905	1-216-425-11	METAL OXIDE	56	5%	1W	F		*1-565-483-11 CONNECTOR, BOARD TO BOARD 7P			
R906	1-249-441-11	CARBON	100K	5%	1/4W			<CAPACITOR>			
R907	1-249-405-11	CARBON	100	5%	1/4W			C1601 1-126-101-11 ELECT			
R908	1-249-429-11	CARBON	10K	5%	1/4W			100MF 20% 16V			
R909	1-249-429-11	CARBON	10K	5%	1/4W			C1602 1-101-004-00 CERAMIC			
R910	1-249-429-11	CARBON	10K	5%	1/4W			0.01MF 10% 50V			
R911	1-249-429-11	CARBON	10K	5%	1/4W			C1603 1-102-951-00 CERAMIC			
R912	1-216-429-00	METAL OXIDE	270	5%	1W	F		15PF 5% 50V			
		(PVM-2044QM ONLY)						<DIODE>			
		<RELAY>						D1601 8-719-911-19 DIODE ISS119			
		<CONNECTOR>						D1602 8-719-911-19 DIODE ISS119			
		<TRANSISTOR>						D1603 8-719-911-19 DIODE ISS119			
		<RESISTOR>						D1604 8-719-911-19 DIODE ISS119			
		<CAPACITOR>						D1605 8-719-911-19 DIODE ISS119			
		<INDUCTOR>						<RELAY>			
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		<TRANSISTOR>						FL1601 1-236-547-11 TRAP, LC			
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		<CONNECTOR>						<			

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
<COIL>											
L1601	1-410-482-31	INDUCTOR	100UH	<RESISTOR>							
<TRANSISTOR>											
Q1601	8-729-119-78	TRANSISTOR	2SC2785-HFE	R1700	1-249-422-11	CARBON	2.7K 5% 1/4W				
Q1602	8-729-119-78	TRANSISTOR	2SC2785-HFE	R1701	1-249-425-11	CARBON	4.7K 5% 1/4W				
Q1603	8-729-119-78	TRANSISTOR	2SC2785-HFE	R1702	1-249-417-11	CARBON	1K 5% 1/4W				
Q1604	8-729-900-89	TRANSISTOR	DTC144ES	R1703	1-249-422-11	CARBON	2.7K 5% 1/4W				
<RESISTOR>											
R1601	1-249-417-11	CARBON	1K 5% 1/4W	R1704	1-249-417-11	CARBON	1K 5% 1/4W				
R1602	1-249-415-11	CARBON	680 5% 1/4W	R1705	1-249-441-11	CARBON	100K 5% 1/4W				
R1603	1-249-415-11	CARBON	680 5% 1/4W	R1706	1-249-441-11	CARBON	100K 5% 1/4W				
R1604	1-249-434-11	CARBON	27K 5% 1/4W	R1707	1-249-441-11	CARBON	100K 5% 1/4W				
R1605	1-249-415-11	CARBON	680 5% 1/4W	R1708	1-249-441-11	CARBON	100K 5% 1/4W				
R1606	1-249-433-11	CARBON	22K 5% 1/4W	R1709	1-249-429-11	CARBON	10K 5% 1/4W				
R1607	1-249-433-11	CARBON	22K 5% 1/4W	R1710	1-249-438-11	CARBON	56K 5% 1/4W				
R1608	1-249-433-11	CARBON	22K 5% 1/4W	R1711	1-249-429-11	CARBON	10K 5% 1/4W				
R1609	1-249-437-11	CARBON	47K 5% 1/4W	R1712	1-249-429-11	CARBON	10K 5% 1/4W				

*1-632-004-11	V BOARD			R1713	1-249-429-11	CARBON	10K 5% 1/4W				

<CAPACITOR>											
C1700	1-124-120-11	ELECT	220MF	20%	16V	R1714	1-249-429-11	CARBON	10K 5% 1/4W		
C1701	1-101-004-00	CERAMIC	0.01MF			R1715	1-249-429-11	CARBON	10K 5% 1/4W		
C1702	1-102-978-00	CERAMIC	220PF	5%	50V	R1716	1-249-438-11	CARBON	56K 5% 1/4W		
C1703	1-102-978-00	CERAMIC	220PF	5%	50V	R1717	1-249-429-11	CARBON	10K 5% 1/4W		
C1705	1-124-499-11	ELECT	1MF	20%	50V	R1718	1-249-429-11	CARBON	10K 5% 1/4W		
C1706	1-124-499-11	ELECT	1MF	20%	50V	R1719	1-249-417-11	CARBON	1K 5% 1/4W		
C1707	1-124-120-11	ELECT	220MF	20%	16V	R1720	1-249-429-11	CARBON	10K 5% 1/4W		
C1710	1-101-884-00	CERAMIC	56PF	5%	50V	R1721	1-249-429-11	CARBON	10K 5% 1/4W		
C1711	1-101-884-00	CERAMIC	56PF	5%	50V	R1722	1-249-429-11	CARBON	10K 5% 1/4W		
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D1700	8-719-911-19	DIODE	ISS119	<VARIABLE RESISTOR>							
D1701	8-729-936-56	DIODE	DAN209S	RV1700	1-228-993-00	RES, ADJ, CARBON	4.7K				
D1702	8-729-936-56	DIODE	DAN209S	RV1701	1-228-994-00	RES, ADJ, CARBON	10K				
D1703	8-729-936-56	DIODE	DAN209S	RV1702	1-228-993-00	RES, ADJ, CARBON	4.7K				
D1704	8-729-936-56	DIODE	DAN209S	RV1703	1-228-994-00	RES, ADJ, CARBON	10K				
D1704	8-729-936-56	DIODE	DAN209S	RV1704	1-237-524-21	RES, ADJ, CARBON	1M				
D1705	8-719-933-28	DIODE	DAP209S	RV1705							
D1706	8-719-933-28	DIODE	DAP209S	RV1706	1-228-999-00	RES, ADJ, CARBON	470K				
D1707	8-719-911-19	DIODE	ISS119	RV1707	1-228-999-00	RES, ADJ, CARBON	470K				
D1708	8-719-911-19	DIODE	ISS119	RV1708	1-228-995-00	RES, ADJ, CARBON	22K				
<TRANSISTOR>											
Q1700	8-729-119-78	TRANSISTOR	2SC2785-HFE	RV1709	1-228-995-00	RES, ADJ, CARBON	22K				
Q1701	8-729-119-78	TRANSISTOR	2SC2785-HFE	<CONNECTOR>							
Q1702	8-729-119-78	TRANSISTOR	2SC2785-HFE	V1	*1-563-720-11	SOCKET, CONNECTOR (PC BOARD)	9P				
Q1703	8-729-119-78	TRANSISTOR	2SC2785-HFE	V2	*1-563-720-11	SOCKET, CONNECTOR (PC BOARD)	9P				
Q1704	8-729-119-78	TRANSISTOR	2SC2785-HFE	*****							
Q1705	8-729-119-78	TRANSISTOR	2SC2785-HFE	*A-1245-479-A FE BOARD, COMPLETE							
Q1706	8-729-900-89	TRANSISTOR	DTC144ES	*****							
Q1707	8-729-900-89	TRANSISTOR	DTC144ES	*****							
Q1708	8-729-115-30	TRANSISTOR	2SK105A-30	*****							
Q1709	8-729-115-30	TRANSISTOR	2SK105A-30	*****							
Q1710	8-729-119-78	TRANSISTOR	2SC2785-HFE	*****							

F E

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

REF. NO. PART NO.	DESCRIPTION	REMARK	REF. NO. PART NO.	DESCRIPTION	REMARK
*4-341-751-01	EYELET		D652	8-719-200-02	DIODE 10E2
*4-341-752-01	EYELET		D653	8-719-300-76	DIODE RH-1A
4-363-414-00	SPACER, MICA		D654	8-719-911-19	DIODE ISS119
			D655	8-719-110-41	DIODE RD15ES-B2
<CAPACITOR>					
C602 A. 1-161-830-51	CERAMIC	0.0047MF	500V	F1	*1-568-106-11 PIN, CONNECTOR 7P
C603 A. 1-161-830-51	CERAMIC	0.0047MF	500V	F3	*1-508-765-00 PIN, CONNECTOR (5MM PITCH) 3P
C604 A. 1-161-830-51	CERAMIC	0.0047MF	500V	F4	*1-508-786-00 PIN, CONNECTOR (5MM PITCH) 2P
C605 A. 1-161-830-51	CERAMIC	0.0047MF	500V	F5	*1-508-768-00 PIN, CONNECTOR (5MM PITCH) 6P
C606 1-125-222-41	ELECT(BLOCK)	330MF	20% 400V	F6	*1-506-371-00 PIN, CONNECTOR 2P
C607 A. 1-136-360-51	FILM	0.22MF	20% 250V	F7	*1-568-106-11 PIN, CONNECTOR 7P
C608 A. 1-136-360-51	FILM	0.22MF	20% 250V		
C611 1-102-973-00	CERAMIC	100PF	5%		
C612 1-161-754-00	CERAMIC	0.001MF	10% 3KV		
C613 1-123-946-00	ELECT	4.7MF	20% 250V		
C614 1-136-067-00	FILM	0.0036MF	3% 2KV		
C615 1-129-765-00	FILM	0.047MF	10% 200V		
C616 1-124-798-11	ELECT	1MF	20% 160V		
C617 1-124-902-00	ELECT	0.47MF	20% 50V		
C618 1-102-318-11	CERAMIC	0.001MF	10% 500V		
C619 1-123-875-11	ELECT	10MF	20% 50V	I601 A. 1-532-350-11	FUSE, TIME-LAG 4A/250V
C620 1-124-446-11	ELECT	47MF	20% 10V	*1-533-189-11	HOLDER, FUSE; F601
C621 1-130-475-00	FILM	0.0022MF	5% 50V		
C622 1-104-067-00	POLYSTYRENE	390PF	5% 50V		
C623 1-126-233-11	ELECT	22MF	20% 25V		
C624 1-162-318-11	CERAMIC	0.001MF	10% 500V	L621	1-407-365-00 COIL,CHOKE
C625 1-124-463-00	ELECT	0.1MF	20% 50V	L622	1-408-226-00 INDUCTOR 82UH
C626 1-161-973-00	CERAMIC	220PF	10% 400V	L623	1-410-397-21 FERRITE BEAD INDUCTOR
C627 1-136-066-00	FILM	0.003MF	3% 2KV	L624 A. 1-410-396-41	FERRITE BEAD INDUCTOR
C628 1-162-116-00	CERAMIC	680PF	10% 2KV	L625 A. 1-410-396-41	FERRITE BEAD INDUCTOR
C633 1-162-131-11	CERAMIC	220PF	10% 2KV		
C651 1-125-494-11	ELECT(BLOCK)	560MF	20% 160V		
C654 1-102-030-00	CERAMIC	330PF	10% 500V		
C656 1-102-030-00	CERAMIC	330PF	10% 500V		
C657 1-161-973-00	CERAMIC	220PF	10% 400V		
C658 1-124-499-11	ELECT	1MF	20% 50V	Q611	8-729-119-80 TRANSISTOR 2SC2688-LK
C659 1-108-614-11	MYLAR	0.001MF	10% 100V	Q612	8-729-119-80 TRANSISTOR 2SC2688-LK
C660 A. 1-162-578-51	CERAMIC	0.0047MF	20% 400V	Q613	8-729-802-14 TRANSISTOR 2SC3460
C661 A. 1-162-578-51	CERAMIC	0.0047MF	20% 400V	Q614	8-729-119-80 TRANSISTOR 2SC2688-LK
C671 1-126-103-11	ELECT	470MF	20% 16V	Q615	8-729-119-78 TRANSISTOR 2SC2785-HFE
C674 1-126-105-11	ELECT	1000MF	20% 35V	Q617	8-729-119-78 TRANSISTOR 2SC2785-HFE
C675 1-162-116-00	CERAMIC	680PF	10% 2KV		
C676 1-102-973-00	CERAMIC	100PF	5% 50V		
<DIODE>					
D601 A. 8-719-503-06	DIODE S3WB60Z			R601 A. 1-205-712-11	WIREWOUND 3.9 5% 20W F
D605 8-719-911-19	DIODE ISS119			R602 A. 1-214-945-21	METAL 2.2M 1% 1/2W
D606 8-719-911-19	DIODE ISS119			R603 A. 1-246-521-75	CARBON 100K 5% 1/4W
D607 8-719-110-90	DIODE RD39ES-B4			R604 A. 1-246-521-75	CARBON 100K 5% 1/4W
D608 8-719-110-90	DIODE RD39ES-B4			R605 1-202-720-00	SOLID 1.2M 10% 1/2W
D611 8-719-118-34	DIODE RD110E-B			R606	1-249-423-11 CARBON 3.3K 5% 1/4W
D612 8-719-300-33	DIODE RU-3AM			R610	1-249-405-11 CARBON 100 5% 1/4W
D613 8-719-200-02	DIODE 10E2			R611	1-216-444-11 METAL OXIDE 82K 5% 1W F
D614 8-719-300-33	DIODE RU-3AM			R612	1-216-444-11 METAL OXIDE 82K 5% 1W F
D615 8-719-109-97	DIODE RD6.8ES-B2			R613	1-249-496-11 CARBON 100K 5% 1/2W F
D616 8-719-300-33	DIODE RU-3AM			R614	1-215-923-00 METAL OXIDE 10K 5% 3W F
D617 8-719-911-19	DIODE ISS119			R615	1-247-887-00 CARBON 220K 5% 1/4W
D619 8-719-911-19	DIODE ISS119			R616	1-247-711-11 CARBON 680 5% 1/4W
D620 8-719-300-33	DIODE RU-3AM			R617	1-247-725-11 CARBON 10K 5% 1/4W
D622 8-719-110-49	DIODE RD18ES-B2			R618	1-249-396-11 CARBON 18 5% 1/4W
D651 8-719-300-33	DIODE RU-3AM			R619	1-247-710-11 CARBON 560 5% 1/4W F

QA

QB

REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R117	1-249-405-11	CARBON	100	5%	1/4W						
R118	1-249-433-11	CARBON	22K	5%	1/4W	CP116	1-232-096-00	COMPOSITION CIRCUIT BLOCK			
R119	1-249-433-11	CARBON	22K	5%	1/4W						
R120	1-249-429-11	CARBON	10K	5%	1/4W						
R121	1-249-405-11	CARBON	100	5%	1/4W						
R122	1-247-104-00	CARBON	75	5%	1/4W	D101	8-719-911-19	DIODE ISS119			
R123	1-249-405-11	CARBON	100	5%	1/4W	D102	8-719-911-19	DIODE ISS119			
R124	1-249-421-11	CARBON	2.2K	5%	1/4W	D105	8-719-911-19	DIODE ISS119			
R125	1-249-429-11	CARBON	10K	5%	1/4W	D106	8-719-911-19	DIODE ISS119			
R126	1-247-104-00	CARBON	75	5%	1/4W	D111	8-719-911-19	DIODE ISS119			
R127	1-247-104-00	CARBON	75	5%	1/4W	D112	8-719-911-19	DIODE ISS119			
R128	1-247-104-00	CARBON	75	5%	1/4W						
R129	1-247-104-00	CARBON	75	5%	1/4W						
R130	1-247-104-00	CARBON	75	5%	1/4W						
R131	1-247-104-00	CARBON	75	5%	1/4W						
R132	1-249-417-11	CARBON	1K	5%	1/4W	IC104	8-759-800-81	IC LA7016			
R168	1-249-429-11	CARBON	10K	5%	1/4W	IC105	8-759-800-81	IC LA7016			
R177	1-249-405-11	CARBON	100	5%	1/4W	IC106	8-759-710-31	IC NJM2243S			
R178	1-249-433-11	CARBON	22K	5%	1/4W	IC107	8-759-800-81	IC LA7016			
R179	1-249-433-11	CARBON	22K	5%	1/4W	IC108	8-759-240-11	IC TC4011BP			
R184	1-249-420-11	CARBON	1.8K	5%	1/4W						
		<VARIABLE RESISTOR>									
RV101	1-228-848-00	RES, VAR, CARBON 10K				Q101	8-729-900-36	TRANSISTOR DTC124ES			
						Q103	8-729-119-78	TRANSISTOR 2SC2785-HFE			
						Q104	8-729-119-78	TRANSISTOR 2SC2785-HFE			
						Q110	8-729-119-76	TRANSISTOR 2SA1175-HFE			
						Q111	8-729-119-76	TRANSISTOR 2SA1175-HFE			
		<SWITCH>				Q112	8-729-119-76	TRANSISTOR 2SA1175-HFE			
S101	1-570-145-11	SWITCH, SLIDE				Q113	8-729-119-78	TRANSISTOR 2SC2785-HFE			
S102	1-570-145-11	SWITCH, SLIDE				Q114	8-729-119-78	TRANSISTOR 2SC2785-HFE			
						Q115	8-729-119-78	TRANSISTOR 2SC2785-HFE			
						Q116	8-729-119-78	TRANSISTOR 2SC2785-HFE			

*A-1270-246-A QB BOARD, COMPLETE (PVM-20440M ONLY)											
		*****				Q120	8-729-900-65	TRANSISTOR DTA144ES			
						Q121	8-729-900-65	TRANSISTOR DTA144ES			
		<CAPACITOR>									
C126	1-124-477-11	ELECT	47MF	20%	25V						
C127	1-124-477-11	ELECT	47MF	20%	25V						
C128	1-124-477-11	ELECT	47MF	20%	25V						
C129	1-161-021-11	CERAMIC	0.047MF	10%	25V						
C130	1-124-477-11	ELECT	47MF	20%	25V	R133	1-249-405-11	CARBON	100	5%	1/4W
						R134	1-249-433-11	CARBON	22K	5%	1/4W
C131	1-124-477-11	ELECT	47MF	20%	25V	R135	1-249-433-11	CARBON	22K	5%	1/4W
C132	1-124-477-11	ELECT	47MF	20%	25V	R137	1-249-433-11	CARBON	22K	5%	1/4W
C133	1-124-477-11	ELECT	47MF	20%	25V	R138	1-249-433-11	CARBON	22K	5%	1/4W
C134	1-124-477-11	ELECT	47MF	20%	25V	R139	1-249-405-11	CARBON	100	5%	1/4W
C135	1-124-477-11	ELECT	47MF	20%	25V	R140	1-249-433-11	CARBON	22K	5%	1/4W
						R141	1-249-433-11	CARBON	22K	5%	1/4W
C136	1-124-477-11	ELECT	47MF	20%	25V	R142	1-249-433-11	CARBON	22K	5%	1/4W
C142	1-124-631-11	ELECT	47MF	20%	16V	R143	1-249-433-11	CARBON	22K	5%	1/4W
C143	1-124-477-11	ELECT	47MF	20%	25V	R144	1-249-412-11	CARBON	390	5%	1/4W
C144	1-124-477-11	ELECT	47MF	20%	25V	R145	1-249-405-11	CARBON	100	5%	1/4W
C145	1-124-477-11	ELECT	47MF	20%	25V	R146	1-249-436-11	CARBON	39K	5%	1/4W
						R147	1-249-435-11	CARBON	33K	5%	1/4W
C146	1-124-477-11	ELECT	47MF	20%	25V	R149	1-249-433-11	CARBON	22K	5%	1/4W
C147	1-101-004-00	CERAMIC	0.01MF		50V	R150	1-249-433-11	CARBON	22K	5%	1/4W
C148	1-101-004-00	CERAMIC	0.01MF		50V	R151	1-249-429-11	CARBON	10K	5%	1/4W
C149	1-124-478-11	ELECT	100MF	20%	25V	R152	1-249-429-11	CARBON	10K	5%	1/4W
C150	1-124-499-11	ELECT	1MF	20%	50V	R153	1-249-417-11	CARBON	1K	5%	1/4W
						R154	1-249-422-11	CARBON	2.7K	5%	1/4W
C151	1-161-021-11	CERAMIC	0.047MF	10%	25V	R155	1-215-383-00	METAL	27	1%	1/6W
C152	1-124-925-11	ELECT	2.2MF	20%	50V	R161	1-215-397-00	METAL	100	1%	1/6W
C154	1-101-004-00	CERAMIC	0.01MF		50V	R162	1-215-397-00	METAL	100	1%	1/6W
C169	1-124-477-11	ELECT	47MF	20%	25V						
		<COMPOSITION CIRCUIT BLOCK>									

QB

Qc

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R163	1-249-422-11	CARBON	2.7K 5% 1/4W	C110	1-124-589-11	ELECT	47MF 20% 16V
R164	1-215-431-00	METAL	2.7K 1% 1/6W	C111	1-124-589-11	ELECT	47MF 20% 16V
R165	1-249-422-11	CARBON	2.7K 5% 1/4W	C112	1-124-589-11	ELECT	47MF 20% 16V
R166	1-215-431-00	METAL	2.7K 1% 1/6W	C113	1-124-589-11	ELECT	47MF 20% 16V
R167	1-249-422-11	CARBON	2.7K 5% 1/4W	C114	1-126-160-11	ELECT	1MF 20% 50V
				C115	1-126-160-11	ELECT	1MF 20% 50V
R169	1-249-429-11	CARBON	10K 5% 1/4W	C116	1-124-589-11	ELECT	47MF 20% 16V
R170	1-249-437-11	CARBON	47K 5% 1/4W	C117	1-126-157-11	ELECT	10MF 20% 16V
R171	1-249-437-11	CARBON	47K 5% 1/4W	C118	1-126-157-11	ELECT	10MF 20% 16V
R172	1-249-417-11	CARBON	1K 5% 1/4W	C119	1-126-157-11	ELECT	10MF 20% 16V
R173	1-249-405-11	CARBON	100 5% 1/4W	C120	1-124-589-11	ELECT	47MF 20% 16V
R175	1-249-433-11	CARBON	22K 5% 1/4W	C122	1-124-589-11	ELECT	47MF 20% 16V
R176	1-249-433-11	CARBON	22K 5% 1/4W	C123	1-124-589-11	ELECT	47MF 20% 16V
R180	1-249-417-11	CARBON	1K 5% 1/4W				
R181	1-249-417-11	CARBON	1K 5% 1/4W				
R182	1-249-409-11	CARBON	220 5% 1/4W				
R183	1-249-409-11	CARBON	220 5% 1/4W				
R186	1-249-435-11	CARBON	33K 5% 1/4W				
R187	1-249-417-11	CARBON	1K 5% 1/4W				
R188	1-249-435-11	CARBON	33K 5% 1/4W				
R189	1-249-433-11	CARBON	22K 5% 1/4W				
R190	1-249-433-11	CARBON	22K 5% 1/4W				
R191	1-249-420-11	CARBON	1.8K 5% 1/4W				
R192	1-249-420-11	CARBON	1.8K 5% 1/4W				
R193	1-249-420-11	CARBON	1.8K 5% 1/4W				
R194	1-215-419-00	METAL	820 1% 1/6W				
R197	1-249-417-11	CARBON	1K 5% 1/4W				
R198	1-249-429-11	CARBON	10K 5% 1/4W				
R199	1-249-417-11	CARBON	1K 5% 1/4W				
R201	1-249-405-11	CARBON	100 5% 1/4W				
R202	1-249-405-11	CARBON	100 5% 1/4W				
R203	1-249-405-11	CARBON	100 5% 1/4W				
R204	1-249-425-11	CARBON	4.7K 5% 1/4W				
R205	1-249-441-11	CARBON	100K 5% 1/4W				
R206	1-249-433-11	CARBON	22K 5% 1/4W				
R207	1-249-441-11	CARBON	100K 5% 1/4W				
R208	1-249-415-11	CARBON	680 5% 1/4W				
R209	1-249-405-11	CARBON	100 5% 1/4W				
R210	1-249-405-11	CARBON	100 5% 1/4W				
R211	1-249-417-11	CARBON	1K 5% 1/4W				
R212	1-249-420-11	CARBON	1.8K 5% 1/4W				
R213	1-249-426-11	CARBON	5.6K 5% 1/4W				
R214	1-215-436-00	METAL	4.3K 1% 1/6W				
R215	1-215-436-00	METAL	4.3K 1% 1/6W				
<hr/>							
*A-1270-247-A QC BOARD, COMPLETE (PVM-2042QM ONLY)				R122	1-215-393-00	METAL	68 1% 1/6W
*****				R123	1-249-417-11	CARBON	1K 5% 1/4W
*1-629-154-11 QC BOARD				R125	1-249-405-11	CARBON	100 5% 1/4W
J-537-191-11 TERMINAL BOARD, INPUT/OUTPUT				R126	1-249-433-11	CARBON	22K 5% 1/4W
J-537-192-11 TERMINAL BOARD, INPUT/OUTPUT				R127	1-249-433-11	CARBON	22K 5% 1/4W
*3-682-419-01 HOLDER, P.C.B.				R128	1-249-429-11	CARBON	10K 5% 1/4W
*4-379-104-01 INSULATOR, SLIDE SW				R129	1-247-104-00	CARBON	75 5% 1/4W
<hr/>							
<CAPACITOR>							
C101	1-124-589-11	ELECT	47MF 20% 16V	R133	1-247-104-00	CARBON	75 5% 1/4W
C102	1-126-160-11	ELECT	1MF 20% 50V	R134	1-249-417-11	CARBON	1K 5% 1/4W
C103	1-126-160-11	ELECT	1MF 20% 50V	R220	1-215-429-00	METAL	2.2K 1% 1/6W
C104	1-161-021-11	CERAMIC	0.047MF 10% 25V	R221	1-215-429-00	METAL	2.2K 1% 1/6W
C105	1-126-160-11	ELECT	1MF 20% 50V	R222	1-215-429-00	METAL	2.2K 1% 1/6W
C106	1-126-160-11	ELECT	1MF 20% 50V	R254	1-249-420-11	CARBON	1.8K 5% 1/4W
C107	1-124-589-11	ELECT	47MF 20% 16V	R298	1-249-431-11	CARBON	15K 5% 1/4W
C108	1-124-589-11	ELECT	47MF 20% 16V				
C109	1-124-589-11	ELECT	47MF 20% 16V				

QC QD

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
<VARIABLE RESISTOR>								
RV101	1-228-848-00	RES, VAR, CARBON 10K		IC103	8-759-901-38	IC SN74LS138N		
RV102	1-228-848-00	RES, VAR, CARBON 10K		IC104	8-759-901-36	IC SN74LS136N		
<SWITCH>								
S101	1-570-145-11	SWITCH, SLIDE		IC105	8-759-900-11	IC SN74LS11N		

*A-1270-248-A QD BOARD, COMPLETE (PVM-2042QM ONLY)								

*3-682-419-01 HOLDER, P.C.B								
<CAPACITOR>								
C121	1-126-094-11	ELECT	4.7MF	20%	25V	Q101	8-729-119-78	TRANSISTOR 2SC2785-HFE
C124	1-101-004-00	CERAMIC	0.01MF		50V	Q102	8-729-119-78	TRANSISTOR 2SC2785-HFE
C125	1-124-477-11	ELECT	47MF	20%	16V	Q103	8-729-119-78	TRANSISTOR 2SC2785-HFE
C126	1-124-589-11	ELECT	47MF	20%	16V	Q104	8-729-119-78	TRANSISTOR 2SC2785-HFE
C127	1-101-004-00	CERAMIC	0.01MF		50V	Q105	8-729-119-78	TRANSISTOR 2SC2785-HFE
C128	1-124-589-11	ELECT	47MF	20%	16V	Q106	8-729-119-78	TRANSISTOR 2SC2785-HFE
C129	1-124-589-11	ELECT	47MF	20%	16V	Q107	8-729-119-78	TRANSISTOR 2SC2785-HFE
C130	1-124-584-00	ELECT	100MF	20%	10V	Q108	8-729-119-78	TRANSISTOR 2SC2785-HFE
C131	1-161-021-11	CERAMIC	0.047MF	10%	25V	Q109	8-729-119-78	TRANSISTOR 2SC2785-HFE
C132	1-102-965-00	CERAMIC	33PF	5%	50V	Q110	8-729-900-36	TRANSISTOR DTC124ES
C133	1-126-157-11	ELECT	10MF	20%	16V	Q111	8-729-900-89	TRANSISTOR DTC144ES
C134	1-161-021-11	CERAMIC	0.047MF	10%	25V	Q112	8-729-119-78	TRANSISTOR 2SC2785-HFE
C135	1-106-375-12	MYLAR	0.022MF	10%	100V	Q113	8-729-119-78	TRANSISTOR 2SC2785-HFE
C136	1-101-004-00	CERAMIC	0.01MF		50V	Q114	8-729-900-36	TRANSISTOR DTC124ES
C137	1-124-589-11	ELECT	47MF	20%	16V	Q115	8-729-119-78	TRANSISTOR 2SC2785-HFE
C138	1-124-589-11	ELECT	47MF	20%	16V	<RESISTOR>		
C139	1-126-160-11	ELECT	1MF	20%	50V	R135	1-249-417-11	CARBON 1K 5% 1/4W
C140	1-124-589-11	ELECT	47MF	20%	16V	R136	1-249-411-11	CARBON 330 5% 1/4W
C141	1-102-965-00	CERAMIC	39PF	5%	50V	R137	1-249-418-11	CARBON 1.2K 5% 1/4W
C142	1-102-965-00	CERAMIC	39PF	5%	50V	R138	1-249-421-11	CARBON 2.2K 5% 1/4W
C143	1-102-965-00	CERAMIC	39PF	5%	50V	R139	1-249-424-11	CARBON 3.9K 5% 1/4W
C144	1-126-094-11	ELECT	4.7MF	20%	25V	R140	1-249-417-11	CARBON 1K 5% 1/4W
C145	1-161-021-11	CERAMIC	0.047MF	10%	25V	R141	1-249-425-11	CARBON 4.7K 5% 1/4W
C146	1-124-589-11	ELECT	47MF	20%	16V	R142	1-249-435-11	CARBON 33K 5% 1/4W
C147	1-124-589-11	ELECT	47MF	20%	16V	R143	1-249-435-11	CARBON 33K 5% 1/4W
C148	1-126-157-11	ELECT	10MF	20%	16V	R144	1-249-417-11	CARBON 1K 5% 1/4W
C149	1-130-728-00	FILM	0.0022MF	10%	50V	R145	1-249-411-11	CARBON 330 5% 1/4W
C150	1-130-483-00	MYLAR	0.01MF	5%	50V	R146	1-249-417-11	CARBON 1K 5% 1/4W
C151	1-130-471-00	FILM	0.001MF	10%	50V	R147	1-249-411-11	CARBON 330 5% 1/4W
C172	1-101-005-00	CERAMIC	0.022MF		50V	R148	1-249-429-11	CARBON 10K 5% 1/4W
C173	1-136-169-00	FILM	0.22MF	5%	50V	R149	1-249-425-11	CARBON 4.7K 5% 1/4W
C174	1-102-965-00	CERAMIC	39PF	5%	50V	R150	1-249-417-11	CARBON 1K 5% 1/4W
<DIODE>								
D102	8-719-110-03	DIODE RD7.5ES-B2		R151	1-249-429-11	CARBON 10K 5% 1/4W		
D103	8-719-911-19	DIODE ISS119		R152	1-249-429-11	CARBON 10K 5% 1/4W		
D104	8-719-911-19	DIODE ISS119		R153	1-249-405-11	CARBON 100 5% 1/4W		
D105	8-719-911-19	DIODE ISS119		R154	1-249-405-11	CARBON 100 5% 1/4W		
D106	8-719-109-85	DIODE RD5.1ES-B2		R155	1-249-433-11	CARBON 22K 5% 1/4W		
D107	8-719-109-85	DIODE RD5.1ES-B2		R156	1-249-433-11	CARBON 22K 5% 1/4W		
D113	8-719-911-19	DIODE ISS119		R157	1-249-430-11	CARBON 12K 5% 1/4W		
D116	8-719-911-19	DIODE ISS119		R158	1-249-417-11	CARBON 1K 5% 1/4W		
<IC>								
IC102	8-759-900-09	IC SN74LS09N		R159	1-247-706-11	CARBON 330 5% 1/4W		
				R160	1-247-706-11	CARBON 330 5% 1/4W		
				R161	1-247-706-11	CARBON 330 5% 1/4W		
				R162	1-249-426-11	CARBON 5.6K 5% 1/4W		
				R163	1-249-421-11	CARBON 2.2K 5% 1/4W		
				R164	1-249-421-11	CARBON 2.2K 5% 1/4W		

QD

QE

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK			
R165	1-249-425-11	CARBON	4.7K 5%	1/4W	C169	1-161-021-11	CERAMIC	0.047MF 10% 25V		
R166	1-249-425-11	CARBON	4.7K 5%	1/4W	C170	1-124-477-11	ELECT	47MF 20% 25V		
R167	1-247-721-11	CARBON	4.7K 5%	1/4W	C171	1-124-925-11	ELECT	2.2MF 20% 50V		
R168	1-249-421-11	CARBON	2.2K 5%	1/4W	<DIODE>					
R169	1-249-433-11	CARBON	22K 5%	1/4W	D108	8-719-911-19	DIODE ISS119			
R170	1-249-437-11	CARBON	47K 5%	1/4W	D109	8-719-911-19	DIODE ISS119			
R171	1-247-725-11	CARBON	10K 5%	1/4W	D110	8-719-911-19	DIODE ISS119			
R172	1-249-405-11	CARBON	100 5%	1/4W	D111	8-719-911-19	DIODE ISS119			
R173	1-247-716-11	CARBON	1.8K 5%	1/4W	D112	8-719-911-19	DIODE ISS119			
R174	1-249-432-11	CARBON	18K 5%	1/4W	<IC>					
R175	1-249-408-11	CARBON	180 5%	1/4W	D114	8-719-911-19	DIODE ISS119			
R176	1-249-437-11	CARBON	47K 5%	1/4W	D115	8-719-911-19	DIODE ISS119			
R178	1-249-418-11	CARBON	1.2K 5%	1/4W	<TRANSISTOR>					
R179	1-247-713-11	CARBON	1K 5%	1/4W	IC108	8-759-800-81	IC LA7016			
R220	1-249-429-11	CARBON	10K 5%	1/4W	IC109	8-759-800-81	IC LA7016			
R221	1-249-437-11	CARBON	47K 5%	1/4W	IC110	8-759-800-81	IC LA7016			
R222	1-249-437-11	CARBON	47K 5%	1/4W	IC111	8-759-710-31	IC NJM2243S			
R223	1-249-417-11	CARBON	1K 5%	1/4W	<CONNECTOR>					
R224	1-249-429-11	CARBON	10K 5%	1/4W	Q116	8-729-119-78	TRANSISTOR 2SC2785-HFE			
R225	1-249-425-11	CARBON	4.7K 5%	1/4W	Q117	8-729-119-78	TRANSISTOR 2SC2785-HFE			
R226	1-249-409-11	CARBON	220 5%	1/4W	Q118	8-729-119-76	TRANSISTOR 2SA1175-HFE			
R231	1-249-432-11	CARBON	18K 5%	1/4W	Q119	8-729-900-36	TRANSISTOR DTC124ES			
R235	1-249-425-11	CARBON	4.7K 5%	1/4W	Q120	8-729-119-78	TRANSISTOR 2SC2785-HFE			
R236	1-249-417-11	CARBON	1K 5%	1/4W	Q121	8-729-119-78	TRANSISTOR 2SC2785-HFE			
R237	1-249-420-11	CARBON	1.8K 5%	1/4W	Q127	8-729-900-65	TRANSISTOR DTA144ES			
R241	1-249-408-11	CARBON	180 5%	1/4W	<RESISTOR>					
R242	1-249-405-11	CARBON	100 5%	1/4W	R180	1-249-405-11	CARBON	100 5% 1/4W		
R244	1-249-405-11	CARBON	100 5%	1/4W	R181	1-249-412-11	CARBON	390 5% 1/4W		
R260	1-249-433-11	CARBON	22K 5%	1/4W	R182	1-249-417-11	CARBON	1K 5% 1/4W		
R261	1-249-433-11	CARBON	22K 5%	1/4W	R183	1-249-436-11	CARBON	39K 5% 1/4W		
R263	1-249-405-11	CARBON	100 5%	1/4W	R184	1-249-435-11	CARBON	33K 5% 1/4W		
R299	1-249-420-11	CARBON	1.8K 5%	1/4W	R185	1-249-405-11	CARBON	100 5% 1/4W		
<VARIABLE RESISTOR>						R186	1-249-433-11	CARBON	22K 5% 1/4W	
RV103 1-228-995-00 RES, ADJ, CARBON 22K						R187	1-249-433-11	CARBON	22K 5% 1/4W	
*****						R188	1-249-405-11	CARBON	100 5% 1/4W	
R189 1-249-433-11 CARBON 22K 5% 1/4W						R189	1-249-433-11	CARBON	22K 5% 1/4W	
<SWITCH>						R190	1-249-433-11	CARBON	22K 5% 1/4W	
S102	1-553-977-41	SWITCH, SLIDE			R191	1-249-437-11	CARBON	47K 5% 1/4W		
*****						R192	1-249-429-11	CARBON	10K 5% 1/4W	
* A-1270-249 A QE BOARD, COMPLETE (PVM-2042QM ONLY)						R193	1-249-429-11	CARBON	22K 5% 1/4W	
*****						R194	1-249-433-11	CARBON	22K 5% 1/4W	
C152 1-101-004-00 CERAMIC 0.01MF 50V						R195	1-249-433-11	CARBON	22K 5% 1/4W	
C154	1-123-875-11	ELECT	10MF	20%	R196	1-249-405-11	CARBON	100 5% 1/4W		
C155	1-124-499-11	ELECT	1MF	20%	R197	1-249-421-11	CARBON	2.2K 5% 1/4W		
C156	1-124-499-11	ELECT	1MF	20%	R198	1-249-421-11	CARBON	2.2K 5% 1/4W		
C157	1-126-160-11	ELECT	1MF	20%	R199	1-249-441-11	CARBON	100K 5% 1/4W		
C158	1-124-477-11	ELECT	47MF	20%	R200	1-249-435-11	CARBON	33K 5% 1/4W		
C159	1-126-160-11	ELECT	1MF	20%	R201	1-249-428-11	CARBON	8.2K 5% 1/4W		
C160	1-124-499-11	ELECT	1MF	20%	R202	1-249-417-11	CARBON	1K 5% 1/4W		
C161	1-124-477-11	ELECT	47MF	20%	R203	1-249-429-11	CARBON	10K 5% 1/4W		
C162	1-124-477-11	ELECT	47MF	20%	R204	1-249-428-11	CARBON	8.2K 5% 1/4W		
C163	1-124-477-11	ELECT	47MF	20%	R205	1-249-405-11	CARBON	100 5% 1/4W		
C164	1-161-021-11	CERAMIC	0.047MF	10%	R206	1-249-428-11	CARBON	8.2K 5% 1/4W		
C165	1-124-477-11	ELECT	47MF	20%	R207	1-249-417-11	CARBON	1K 5% 1/4W		
C166	1-124-477-11	ELECT	47MF	20%	R208	1-249-429-11	CARBON	10K 5% 1/4W		
C167	1-124-477-11	ELECT	47MF	20%	R209	1-249-405-11	CARBON	100 5% 1/4W		
C168	1-124-589-11	ELECT	47MF	20%	R210	1-249-428-11	CARBON	8.2K 5% 1/4W		

QE A

REF. NO.	PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK		
R206	1-249-429-11	CARBON	10K	5%	1/4W	C314	1-102-074-00	CERAMIC	0.001MF	10%	50V
R207	1-249-429-11	CARBON	10K	5%	1/4W	C315	1-124-927-11	ELECT	4.7MF	20%	50V
R208	1-249-417-11	CARBON	1K	5%	1/4W	C316	1-136-161-00	FILM	0.047MF	5%	50V
R209	1-249-405-11	CARBON	100	5%	1/4W	C317	1-136-161-00	FILM	0.047MF	5%	50V
R210	1-249-433-11	CARBON	22K	5%	1/4W	C318	1-136-165-00	FILM	0.1MF	5%	50V
R211	1-249-433-11	CARBON	22K	5%	1/4W	C319	1-101-004-00	CERAMIC	0.01MF	5%	50V
R212	1-249-433-11	CARBON	22K	5%	1/4W	C320	1-124-499-11	ELECT	1MF	20%	50V
R213	1-249-433-11	CARBON	22K	5%	1/4W	C321	1-124-477-11	ELECT	47MF	20%	16V
R215	1-249-405-11	CARBON	100	5%	1/4W	C322	1-124-902-00	ELECT	0.47MF	20%	50V
R216	1-249-411-11	CARBON	330	5%	1/4W	C323	1-101-361-00	CERAMIC	150PF	5%	50V
R217	1-249-433-11	CARBON	22K	5%	1/4W	C324	1-124-477-11	ELECT	47MF	20%	16V
R251	1-249-417-11	CARBON	1K	5%	1/4W	C325	1-101-361-00	CERAMIC	150PF	5%	50V
R252	1-249-417-11	CARBON	1K	5%	1/4W	C326	1-124-477-11	ELECT	47MF	20%	16V
R253	1-249-417-11	CARBON	1K	5%	1/4W	C327	1-124-477-11	ELECT	47MF	20%	16V
R265	1-249-415-11	CARBON	680	5%	1/4W	C328	1-124-009-11	ELECT	47MF	20%	25V
					C329	1-124-477-11	ELECT	47MF	20%	16V	

*A-1296-593-A A BOARD, COMPLETE					C330	1-101-880-00	CERAMIC	47PF	5%	50V	
*****					C331	1-101-004-00	CERAMIC	0.01MF	50V		
*4-329-153-00 HEAT SINK, V OUT					C332	1-102-971-00	CERAMIC	82PF	5%	50V	
*4-341-751-01 EYELET (EY6, EY7, EY8, EY9, EY10, EY11, EY14, EY17, EY18, EY19, EY20, EY21, EY22, EY23, EY24)					C333	1-136-165-00	FILM	0.1MF	5%	50V	
*4-341-752-01 EYELET (EY1, EY2, EY3, EY4)					C334	1-136-173-00	FILM	0.47MF	5%	50V	
*4-363-404-00 HOLDER, IC					C335	1-136-173-00	FILM	0.47MF	5%	50V	
4-363-414-00 SPACER, MICA					C336	1-102-971-00	CERAMIC	82PF	5%	50V	
<CONNECTOR>					C337	1-124-477-11	ELECT	47MF	20%	16V	
A1	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P			C338	1-124-477-11	ELECT	47MF	20%	16V	
A2	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P			C339	1-124-477-11	ELECT	47MF	20%	16V	
A3	*1-565-498-11	CONNECTOR, BOARD TO BOARD 7P			C340	1-124-477-11	ELECT	47MF	20%	16V	
A4	*1-564-596-11	PLUG, CONNECTOR 15P			C341	1-124-477-11	ELECT	47MF	20%	16V	
A5	*1-564-596-11	PLUG, CONNECTOR 15P			C342	1-124-477-11	ELECT	47MF	20%	16V	
A6	*1-565-497-11	CONNECTOR, BOARD TO BOARD 6P			C343	1-124-477-11	ELECT	47MF	20%	16V	
A7	*1-565-498-11	CONNECTOR, BOARD TO BOARD 7P			C344	1-124-477-11	ELECT	47MF	20%	16V	
A8	*1-565-506-11	CONNECTOR, BOARD TO BOARD 15P			C345	1-102-949-00	CERAMIC	12PF	5%	50V	
A9	*1-565-506-11	CONNECTOR, BOARD TO BOARD 15P			C346	1-126-233-11	ELECT	22MF	20%	50V	
A10	*1-564-596-11	PLUG, CONNECTOR 15P			C347	1-123-875-11	ELECT	10MF	20%	50V	
AII	*1-564-596-11	PLUG, CONNECTOR 15P			C348	1-101-004-00	CERAMIC	0.01MF	50V		
A13	*1-568-105-11	HOUSING, CONNECTOR 10P			C349	1-124-120-11	ELECT	220MF	20%	16V	
A14	*1-568-105-11	HOUSING, CONNECTOR 10P			C350	1-101-884-00	CERAMIC	56PF	5%	50V	
A16	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P			C351	1-102-106-00	CERAMIC	100PF	10%	50V	
A17	*1-565-496-11	CONNECTOR, BOARD TO BOARD 5P			C352	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
A18	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P			C353	1-161-021-11	CERAMIC	0.047MF	10%	25V	
A20	*1-564-507-11	PLUG, CONNECTOR 4P			C401	1-136-153-00	FILM	0.01MF	5%	50V	
A22	*1-564-505-11	PLUG, CONNECTOR 2P			C402	1-136-165-00	FILM	0.1MF	5%	50V	
<CAPACITOR>					C403	1-136-165-00	FILM	0.1MF	5%	50V	
C300	1-123-875-11	ELECT	10MF	20%	50V	C404	1-136-169-00	FILM	0.22MF	5%	50V
C301	1-124-477-11	ELECT	47MF	20%	16V	C405	1-136-169-00	FILM	0.22MF	5%	50V
C302	1-101-884-00	CERAMIC	56PF	5%	50V	C406	1-136-169-00	FILM	0.22MF	5%	50V
C303	1-136-173-00	FILM	0.47MF	5%	50V	C407	1-136-169-00	FILM	0.22MF	5%	50V
C304	1-101-884-00	CERAMIC	56PF	5%	50V	C408	1-136-169-00	FILM	0.22MF	5%	50V
C305	1-136-173-00	FILM	0.47MF	5%	50V	C409	1-136-169-00	FILM	0.22MF	5%	50V
C306	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C410	1-124-499-11	ELECT	1MF	20%	50V
C307	1-124-477-11	ELECT	47MF	20%	16V	C411	1-124-499-11	ELECT	1MF	20%	50V
C308	1-124-477-11	ELECT	47MF	20%	16V	C412	1-124-463-00	ELECT	0.1MF	20%	50V
C309	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C413	1-124-463-00	ELECT	0.1MF	20%	50V
C310	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C414	1-136-165-00	FILM	0.1MF	5%	50V
C311	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C415	1-136-165-00	FILM	0.1MF	5%	50V
C312	1-123-875-11	ELECT	10MF	20%	50V	C416	1-126-233-11	ELECT	22MF	20%	50V
C313	1-102-074-00	CERAMIC	0.001MF	10%	50V	C417	1-136-161-00	FILM	0.047MF	5%	50V
					C418	1-136-153-00	FILM	0.01MF	5%	50V	
					C419	1-130-479-00	MYLAR	0.0047MF	5%	50V	
					C420	1-136-161-00	FILM	0.047MF	5%	50V	
					C421	1-136-153-00	FILM	0.01MF	5%	50V	
					C422	1-130-479-00	MYLAR	0.0047MF	5%	50V	
					C423	1-136-153-00	FILM	0.01MF	5%	50V	

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

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK				
C424	1-130-479-00	MYLAR	0.0047MF	5%	50V	C531	1-131-351-00	TANTALUM	4.7MF	10%	35V
C425	1-126-101-11	ELECT	100MF	20%	16V	C533	1-136-828-11	FILM	1.8MF	5%	200V
C426	1-136-161-00	FILM	0.047MF	5%	50V	C534	1-108-965-11	MYLAR	0.33MF	10%	200V
C427	1-126-101-11	ELECT	100MF	20%	16V	C535	1-123-946-00	ELECT	4.7MF	20%	250V
C428	1-126-101-11	ELECT	100MF	20%	16V	C536	1-136-540-11	FILM	0.82MF	5%	200V
C429	1-102-944-00	CERAMIC	7PF	1PF	50V	C537	1-102-002-00	CERAMIC	680PF	10%	500V
C431	1-102-816-00	CERAMIC	120PF	5%	50V	C538	1-108-626-11	MYLAR	0.01MF	10%	100V
C470	1-124-120-11	ELECT	220MF	20%	16V	C539	1-108-626-11	MYLAR	0.01MF	10%	100V
C471	1-124-120-11	ELECT	220MF	20%	16V	C540	1-106-347-00	MYLAR	0.0015MF	10%	100V
C472	1-101-004-00	CERAMIC	0.01MF		50V	C541	1-124-045-00	ELECT	4.7MF	20%	50V
C473	1-126-101-11	ELECT	100MF	20%	16V	C542	1-123-875-11	ELECT	10MF	20%	50V
C474	1-101-004-00	CERAMIC	0.01MF		50V	C543	1-124-927-11	ELECT	4.7MF	20%	50V
C475	1-101-004-00	CERAMIC	0.01MF		50V	C544	1-124-190-00	ELECT	680MF	10%	25V
C476	1-101-888-00	CERAMIC	68PF	5%	50V	C545	1-108-693-11	MYLAR	0.012MF	10%	200V
C477	1-101-006-00	CERAMIC	0.047MF		50V	C546	1-102-030-00	CERAMIC	330PF	10%	500V
C478	1-101-004-00	CERAMIC	0.01MF		50V	C547	1-124-342-00	ELECT	3.3MF	20%	160V
C479	1-126-101-11	ELECT	100MF	20%	16V	C548	1-102-030-00	CERAMIC	330PF	10%	500V
C480	1-101-004-00	CERAMIC	0.01MF		50V	C549	1-123-875-11	ELECT	10MF	20%	50V
C481	1-101-004-00	CERAMIC	0.01MF		50V	C550	1-102-244-00	CERAMIC	220PF	10%	500V
C482	1-126-101-11	ELECT	100MF	20%	16V	C551	1-124-360-00	ELECT	1000MF	20%	16V
C483	1-124-120-11	ELECT	220MF	20%	16V	C552	1-124-499-11	ELECT	1MF	20%	50V
C484	1-101-004-00	CERAMIC	0.01MF		50V	C553	1-108-626-11	MYLAR	0.01MF	10%	100V
C485	1-126-101-11	ELECT	100MF	20%	16V	C554	1-124-499-11	ELECT	1MF	20%	50V
C486	1-101-004-00	CERAMIC	0.01MF		50V	C555	1-108-633-11	MYLAR	0.039MF	10%	100V
C487	1-101-004-00	CERAMIC	0.01MF		50V	C556	1-136-173-00	FILM	0.47MF	5%	50V
C488	1-124-120-11	ELECT	220MF	20%	16V	C557	1-124-902-00	ELECT	0.47MF	20%	50V
C489	1-124-927-11	ELECT	4.7MF	20%	50V	C558	1-131-356-00	TANTALUM	3.3MF	10%	25V
C491	1-101-004-00	CERAMIC	0.01MF		50V	C559	1-123-875-11	ELECT	10MF	20%	50V
C492	1-124-120-11	ELECT	220MF	20%	16V	C560	1-136-161-00	FILM	0.047MF	5%	50V
C493	1-101-004-00	CERAMIC	0.01MF		50V	C561	1-102-973-00	CERAMIC	100PF	5%	50V
C494	1-124-120-11	ELECT	220MF	20%	16V	C562	1-130-471-00	FILM	0.001MF	5%	50V
C495	1-101-880-00	CERAMIC	47PF	5%	50V	C563	1-123-875-11	ELECT	10MF	20%	50V
C496	1-126-101-11	ELECT	100MF	20%	16V	C564	1-102-978-00	CERAMIC	220PF	5%	50V
C497	1-124-120-11	ELECT	220MF	20%	16V	C565	1-126-101-11	ELECT	100MF	20%	16V
C498	1-124-925-11	ELECT	2.2MF	20%	50V	C566	1-124-499-11	ELECT	1MF	20%	50V
C500	1-101-884-00	CERAMIC	56PF	5%	50V	C567	1-123-875-11	ELECT	10MF	20%	50V
C501	1-124-120-11	ELECT	220MF	20%	16V	C568	1-108-614-11	MYLAR	0.001MF	10%	100V
C502	1-124-927-11	ELECT	4.7MF	20%	50V	C569	1-130-736-11	FILM	0.01MF	5%	50V
C503	1-124-927-11	ELECT	4.7MF	20%	50V	C570	1-123-875-11	ELECT	10MF	20%	50V
C504	1-102-114-00	CERAMIC	470PF	10%	50V	C571	1-126-233-11	ELECT	22MF	20%	25V
C505	1-123-875-11	ELECT	10MF	20%	50V	C572	1-124-499-11	ELECT	1MF	20%	50V
C506	1-136-298-00	FILM	0.0033MF	5%	100V	C573	1-123-875-11	ELECT	10MF	20%	50V
C507	1-106-351-00	MYLAR	0.0022MF	5%	100V	C574	1-126-101-11	ELECT	100MF	20%	16V
C508	1-108-626-11	MYLAR	0.01MF	10%	100V	C575	1-102-978-00	CERAMIC	220PF	5%	50V
C509	1-106-375-12	MYLAR	0.022MF	10%	100V	C576	1-161-021-11	CERAMIC	0.047MF	10%	25V
C510	1-108-626-11	MYLAR	0.01MF	10%	100V	C577	1-123-875-11	ELECT	10MF	20%	50V
C511	1-124-902-00	ELECT	0.47MF	20%	50V	C578	1-124-477-11	ELECT	47MF	20%	16V
C512	1-102-030-00	CERAMIC	330PF	10%	500V	C579	1-124-477-11	ELECT	47MF	20%	16V
C513 A	1-136-333-51	FILM	0.027MF	5%	630V	C580	1-124-499-11	ELECT	1MF	20%	50V
C514 A	1-136-545-11	FILM	0.0078MF	3%	2KV	C581	1-124-478-11	ELECT	100MF	20%	25V
C516 A	1-162-116-51	CERAMIC	680PF	10%	2KV	C583	1-126-233-11	ELECT	22MF	20%	50V
C517	1-108-692-11	MYLAR	0.01MF	10%	200V	C584	1-126-233-11	ELECT	22MF	20%	50V
C518	1-126-104-11	ELECT	470MF	20%	35V	C585	1-102-110-00	CERAMIC	220PF	10%	50V
C519	1-124-120-11	ELECT	220MF	20%	25V	C590	1-126-233-11	ELECT	22MF	20%	50V
C520	1-124-494-00	ELECT	33MF		160V	C591	1-124-925-11	ELECT	2.2MF	20%	50V
C521	1-102-212-00	CERAMIC	820PF	10%	500V	C599 A	1-136-596-11	FILM	0.0065MF	3%	2KV
C522	1-102-212-00	CERAMIC	820PF	10%	500V	C801	1-101-004-00	CERAMIC	0.01MF		50V
C524	1-108-700-11	MYLAR	0.047MF	10%	200V	C802	1-101-361-00	CERAMIC	150PF	5%	50V
C525	1-108-634-11	MYLAR	0.047MF	10%	100V	C803	1-102-976-00	CERAMIC	180PF	5%	50V
C526	1-124-477-11	ELECT	47MF	20%	16V	C804	1-126-233-11	ELECT	22MF	20%	50V
C527	1-124-902-00	ELECT	0.47MF	20%	50V	C805	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C528	1-124-902-00	ELECT	0.47MF	20%	50V	C806	1-101-884-00	CERAMIC	56PF	5%	50V
C529	1-126-233-11	ELECT	22MF	20%	50V	C807	1-130-736-11	FILM	0.01MF	5%	50V
C530	1-123-875-11	ELECT	10MF	20%	50V						

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

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
C808	1-124-120-11	ELECT	220MF	20%	16V	D530	8-729-901-83	DIODE ISS83
C809	1-101-004-00	CERAMIC	0.01MF		50V	D531	8-719-911-19	DIODE ISS119
C810	1-108-620-11	MYLAR	0.0033MF	10%	100V	D599	8-719-928-08	DIODE ERD28-08S
C811	1-124-927-11	ELECT	4.7MF	20%	50V	D801	8-719-911-19	DIODE ISS119
C1001	1-126-101-11	ELECT	100MF	20%	16V	D802	8-719-911-19	DIODE ISS119
C1002	1-123-875-11	ELECT	10MF	20%	50V	D1001	8-719-911-19	DIODE ISS119
C1003	1-102-125-00	CERAMIC	0.0047MF	10%	50V	D1002	8-719-911-19	DIODE ISS119
C1004	1-124-464-11	ELECT	0.22MF	20%	50V	D1003	8-719-911-19	DIODE ISS119
C1005	1-123-875-11	ELECT	10MF	20%	50V	D1010	8-719-120-64	DIODE RD5.0ES-L1
C1006	1-123-875-11	ELECT	10MF	20%	50V	D1011	8-719-110-08	DIODE RD8.2ES-B2
C1007	1-108-634-11	MYLAR	0.047MF	10%	100V	D1012	8-719-911-55	DIODE UOOG
C1008	1-126-101-11	ELECT	100MF	20%	16V	D1013	8-719-110-37	DIODE RD13ES-B3
C1009	1-126-103-11	ELECT	470MF	20%	16V	D1014	8-729-936-56	DIODE DAN209S
C1010	1-126-101-11	ELECT	100MF	20%	16V			
C1011	1-124-477-11	ELECT	47MF	20%	16V			
C1012	1-124-120-11	ELECT	220MF	20%	16V			<DELAY LINE>
C1013	1-124-478-11	ELECT	100MF	20%	25V	DL301	1-415-633-11	DELAY LINE, Y
								<DIODE>
D302	8-719-911-19	DIODE ISS119						<IC>
D303	8-719-911-19	DIODE ISS119				IC301	8-759-204-21	IC TA7193P
D304	8-719-911-19	DIODE ISS119				IC302	1-808-627-12	ACC BLOCK ACC-1
D305	8-719-911-19	DIODE ISS119				IC303	8-759-710-31	IC NJM2243S
D306	8-719-911-19	DIODE ISS119				IC304	1-235-534-11	CONTROL MODULE, PICTURE
D307	8-719-911-19	DIODE ISS119				IC305	8-749-920-72	IC BX-7573
D309	8-719-911-19	DIODE ISS119				IC306	8-759-420-08	IC AN5613
D311	8-719-911-19	DIODE ISS119				IC307	1-808-629-11	MODULE, BLUE ONLY BOM-1
D312	8-719-911-19	DIODE ISS119				IC308	1-808-626-11	MODULE, GAIN/BIAS GBM-1
D313	8-719-911-19	DIODE ISS119				IC309	8-759-208-08	IC TC4052BPHB
D314	8-719-911-19	DIODE ISS119				IC311	8-759-800-81	IC LA7016
D400	8-719-121-40	DIODE RD10ES-L3				IC312	8-759-800-81	IC LA7016
D401	8-719-911-19	DIODE ISS119				IC401	8-752-030-31	IC CXA1024S
D402	8-719-120-27	DIODE RD4.3ES-L2				IC501	8-759-100-60	IC UPC1377C
D403	8-719-109-93	DIODE RD6.2ES-B2				IC502	8-759-945-58	IC RC4558P
D404	8-719-911-19	DIODE ISS119				IC503	8-749-920-74	IC BX7574
D405	8-719-911-19	DIODE ISS119				IC504	8-759-345-38	IC HD14538BP
D406	8-719-110-36	DIODE RD13ES-B2				IC505	8-759-982-13	IC RC7812FA
D501	8-719-911-19	DIODE ISS119				IC1001	8-759-420-04	IC AN5265
D502	8-719-971-20	DIODE ERC38-06						<COIL>
D504	8-719-901-58	DIODE RGP15J				L300	1-410-470-11	INDUCTOR 10UH
D505	8-719-901-58	DIODE RGP15J				L301	1-410-470-11	INDUCTOR 10UH
D507	8-719-305-15	DIODE GH3F				L302	1-410-470-11	INDUCTOR 10UH
D508	8-719-928-08	DIODE ERD28-08S				L303	1-410-471-11	INDUCTOR 12UH
D509	8-719-109-89	DIODE RD5.6ES-B2				L304	1-408-406-00	INDUCTOR 5.6UH
D510	8-719-190-00	DIODE RD24E-BZ7				L306	1-410-470-11	INDUCTOR 10UH
D511	8-719-200-02	DIODE 10E2				L307	1-410-473-11	INDUCTOR 18UH
D512	8-719-200-02	DIODE 10E2				L495	1-421-013-00	COIL (HORIZONTAL CHOKER) 25UH
D513	8-719-911-19	DIODE ISS119				L501	1-459-155-00	COIL (WITH CORE) 45UH
D514	8-719-300-76	DIODE RH-1A				L503	1-410-666-31	INDUCTOR 18UH
D515	8-719-300-76	DIODE RH-1A				L504	1-407-365-00	COIL, CHOKER
D516	8-719-200-02	DIODE 10E2				L505	1-407-365-00	COIL, CHOKER
D517	8-719-911-19	DIODE ISS119				L506	1-408-238-00	INDUCTOR 3.9MMH
D518	8-719-200-02	DIODE 10E2				L507 Δ	1-459-232-11	COIL, CORE
D519	8-719-911-19	DIODE ISS119				L510 Δ	1-459-075-11	COIL, DYNAMIC CONVERSION CHOKER
D520	8-719-911-19	DIODE ISS119				L511	1-459-059-00	COIL, DUST CORE
D521	8-719-911-19	DIODE ISS119				L512	1-408-247-00	INDUCTOR 33MMH
D522	8-719-911-19	DIODE ISS119				L513	1-459-104-00	COIL, DUST CORE
D523	8-719-911-19	DIODE ISS119				L514	1-410-686-11	INDUCTOR 1MMH
D524	8-719-911-19	DIODE ISS119				L515	1-410-510-11	INDUCTOR 12UH
D526	8-719-911-19	DIODE ISS119				L801	1-410-470-11	INDUCTOR 10UH
D527	8-719-911-19	DIODE ISS119				L802	1-410-089-21	INDUCTOR 15MMH
D528	8-719-911-19	DIODE ISS119						
D529	8-719-911-19	DIODE ISS119						

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
<TRANSISTOR>											
Q300	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q505	8-729-309-08	TRANSISTOR 2SC1890A					
Q301	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q506	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q302	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q507	8-729-313-42	TRANSISTOR 2SD1134					
Q303	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q508	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q304	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q509	8-729-195-82	TRANSISTOR 2SC2958					
Q305	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q510	8-729-122-03	TRANSISTOR 2SA1220A-P					
Q306	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q511	8-729-169-02	TRANSISTOR 2SC2690A					
Q307	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q512	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q308	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q513	8-729-900-63	TRANSISTOR DTA124ES					
Q309	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q514	8-729-900-36	TRANSISTOR DTC124ES					
Q310	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q515	8-729-900-36	TRANSISTOR DTC124ES					
Q311	8-729-900-89	TRANSISTOR DTC144ES		Q516	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q312	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q517	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q313	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q518	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q314	8-729-900-65	TRANSISTOR DTA144ES		Q519	8-729-900-36	TRANSISTOR DTC124ES					
Q315	8-729-900-89	TRANSISTOR DTC144ES		Q520	8-729-900-63	TRANSISTOR DTA124ES					
Q316	8-729-900-89	TRANSISTOR DTC144ES		Q521	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q317	8-729-900-89	TRANSISTOR DTC144ES		Q522	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q318	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q523	8-729-900-36	TRANSISTOR DTC124ES					
Q319	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q524	8-729-900-69	TRANSISTOR DTA144WS					
Q320	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q525	8-729-900-36	TRANSISTOR DTC124ES					
Q321	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q526	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q322	8-729-900-89	TRANSISTOR DTC144ES		Q528	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q323	8-729-900-89	TRANSISTOR DTC144ES		Q529	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q324	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q530	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q325	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q531	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q326	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q532	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q327	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q533	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q328	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q534	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q329	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q550	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q330	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q551	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q331	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q801	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q332	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q802	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q333	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q803	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q334	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q804	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q335	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q805	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q336	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q806	8-729-900-36	TRANSISTOR DTC124ES					
Q337	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q807	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q338	8-729-900-89	TRANSISTOR DTC144ES		Q1001	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q400	8-729-177-33	TRANSISTOR 2SD773-4		Q1002	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q401	8-729-900-36	TRANSISTOR DTC124ES		Q1003	8-729-140-96	TRANSISTOR 2SD774-34					
Q402	8-729-900-36	TRANSISTOR DTC124ES		Q1004	8-729-140-96	TRANSISTOR 2SD774-34					
Q403	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q1005	8-729-122-03	TRANSISTOR 2SA1220A-P					
Q404	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q1006	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q405	8-729-119-78	TRANSISTOR 2SC2785-HFE		<RESISTOR>							
Q406	8-729-119-78	TRANSISTOR 2SC2785-HFE		R300	1-249-405-11	CARBON	100	5%	1/4W		
Q407	8-729-119-78	TRANSISTOR 2SC2785-HFE		R301	1-249-405-11	CARBON	100	5%	1/4W		
Q408	8-729-119-78	TRANSISTOR 2SC2785-HFE		R302	1-247-721-11	CARBON	4.7K	5%	1/4W		
Q409	8-729-119-78	TRANSISTOR 2SC2785-HFE		R303	1-249-426-11	CARBON	5.6K	5%	1/4W		
Q410	8-729-900-89	TRANSISTOR DTC144ES		R304	1-249-421-11	CARBON	2.2K	5%	1/4W		
Q411	8-729-900-89	TRANSISTOR DTC144ES		R305	1-249-429-11	CARBON	10K	5%	1/4W		
Q412	8-729-119-76	TRANSISTOR 2SA1175-HFE		R306	1-249-405-11	CARBON	100	5%	1/4W		
Q413	8-729-119-78	TRANSISTOR 2SC2785-HFE		R307	1-247-887-00	CARBON	220K	5%	1/4W		
Q414	8-729-119-78	TRANSISTOR 2SC2785-HFE		R308	1-249-429-11	CARBON	10K	5%	1/4W		
Q415	8-729-900-36	TRANSISTOR DTC124ES		R309	1-249-405-11	CARBON	100	5%	1/4W		
Q416	8-729-900-36	TRANSISTOR DTC124ES		R310	1-247-887-00	CARBON	220K	5%	1/4W		
Q501	8-729-800-35	TRANSISTOR 2SD1397		R311	1-249-435-11	CARBON	33K	5%	1/4W		
Q502	8-729-119-80	TRANSISTOR 2SC2688 LK		R312	1-249-431-11	CARBON	15K	5%	1/4W		
Q503	8-729-119-78	TRANSISTOR 2SC2785-HFE		R313	1-249-405-11	CARBON	100	5%	1/4W		
Q504	8-729-119-76	TRANSISTOR 2SA1175 HFE		R314	1-249-405-11	CARBON	100	5%	1/4W		
				R315	1-249-413-11	CARBON	470	5%	1/4W		
				R316	1-249-413-11	CARBON	470	5%	1/4W		

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R317	1-249-414-11	CARBON	560 5% 1/4W	R381	1-249-431-11	CARBON	15K 5% 1/4W
R318	1-249-422-11	CARBON	2.7K 5% 1/4W	R382	1-249-408-11	CARBON	180 5% 1/4W
R319	1-249-416-11	CARBON	820 5% 1/4W	R383	1-249-413-11	CARBON	470 5% 1/4W
R320	1-249-415-11	CARBON	680 5% 1/4W	R384	1-249-413-11	CARBON	470 5% 1/4W
R321	1-249-411-11	CARBON	330 5% 1/4W	R385	1-249-411-11	CARBON	330 5% 1/4W
R322	1-249-409-11	CARBON	220 5% 1/4W	R386	1-249-415-11	CARBON	680 5% 1/4W
R323	1-249-409-11	CARBON	220 5% 1/4W	R387	1-249-405-11	CARBON	100 5% 1/4W
R324	1-249-417-11	CARBON	1K 5% 1/4W	R388	1-249-423-11	CARBON	3.3K 5% 1/4W
R325	1-249-405-11	CARBON	100 5% 1/4W	R389	1-249-417-11	CARBON	1K 5% 1/4W
R326	1-249-409-11	CARBON	220 5% 1/4W	R390	1-249-433-11	CARBON	22K 5% 1/4W
R327	1-249-417-11	CARBON	1K 5% 1/4W	R391	1-249-433-11	CARBON	22K 5% 1/4W
R328	1-249-434-11	CARBON	27K 5% 1/4W	R392	1-249-433-11	CARBON	22K 5% 1/4W
R329	1-249-433-11	CARBON	22K 5% 1/4W	R393	1-249-403-11	CARBON	68 5% 1/4W
R330	1-249-433-11	CARBON	22K 5% 1/4W	R394	1-249-409-11	CARBON	220 5% 1/4W
R331	1-249-433-11	CARBON	22K 5% 1/4W	R395	1-249-417-11	CARBON	1K 5% 1/4W
R332	1-249-405-11	CARBON	100 5% 1/4W	R396	1-249-433-11	CARBON	22K 5% 1/4W
R333	1-249-435-11	CARBON	33K 5% 1/4W	R397	1-249-405-11	CARBON	100 5% 1/4W
R334	1-249-432-11	CARBON	18K 5% 1/4W	R398	1-249-405-11	CARBON	100 5% 1/4W
R335	1-247-700-11	CARBON	100 5% 1/4W	R399	1-247-718-11	CARBON	2.7K 5% 1/4W
R336	1-249-417-11	CARBON	1K 5% 1/4W	R400	1-249-413-11	CARBON	470 5% 1/4W
R337	1-249-410-11	CARBON	270 5% 1/4W	R401	1-249-413-11	CARBON	470 5% 1/4W
R338	1-249-421-11	CARBON	2.2K 5% 1/4W	R406	1-249-413-11	CARBON	470 5% 1/4W
R339	1-249-405-11	CARBON	100 5% 1/4W	R402	1-249-416-11	CARBON	820 5% 1/4W
R340	1-249-434-11	CARBON	27K 5% 1/4W	R403	1-249-411-11	CARBON	330 5% 1/4W
R341	1-249-434-11	CARBON	27K 5% 1/4W	R404	1-249-405-11	CARBON	100 5% 1/4W
R342	1-249-418-11	CARBON	1.2K 5% 1/4W	R405	1-249-422-11	CARBON	2.7K 5% 1/4W
R343	1-249-440-11	CARBON	82K 5% 1/4W	R406	1-249-413-11	CARBON	470 5% 1/4W
R344	1-249-428-11	CARBON	8.2K 5% 1/4W	R407	1-249-413-11	CARBON	470 5% 1/4W
R345	1-249-416-11	CARBON	820 5% 1/4W	R408	1-249-416-11	CARBON	820 5% 1/4W
R346	1-249-416-11	CARBON	820 5% 1/4W	R409	1-249-411-11	CARBON	330 5% 1/4W
R347	1-249-421-11	CARBON	2.2K 5% 1/4W	R410	1-249-405-11	CARBON	100 5% 1/4W
R348	1-249-421-11	CARBON	2.2K 5% 1/4W	R411	1-249-422-11	CARBON	2.7K 5% 1/4W
R349	1-249-417-11	CARBON	1K 5% 1/4W	R412	1-249-419-11	CARBON	1.5K 5% 1/4W
R350	1-249-425-11	CARBON	4.7K 5% 1/4W	R413	1-249-417-11	CARBON	1K 5% 1/4W
R351	1-249-421-11	CARBON	2.2K 5% 1/4W	R414	1-249-429-11	CARBON	10K 5% 1/4W
R352	1-247-891-00	CARBON	330K 5% 1/4W	R415	1-249-417-11	CARBON	1K 5% 1/4W
R353	1-249-428-11	CARBON	8.2K 5% 1/4W	R416	1-249-429-11	CARBON	10K 5% 1/4W
R354	1-249-424-11	CARBON	3.9K 5% 1/4W	R417	1-249-421-11	CARBON	2.2K 5% 1/4W
R355	1-249-434-11	CARBON	27K 5% 1/4W	R418	1-249-439-11	CARBON	68K 5% 1/4W
R356	1-249-437-11	CARBON	47K 5% 1/4W	R419	1-249-433-11	CARBON	22K 5% 1/4W
R357	1-249-437-11	CARBON	47K 5% 1/4W	R420	1-249-426-11	CARBON	5.6K 5% 1/4W
R358	1-249-433-11	CARBON	22K 5% 1/4W	R421	1-249-437-11	CARBON	47K 5% 1/4W
R359	1-249-417-11	CARBON	1K 5% 1/4W	R422	1-249-437-11	CARBON	47K 5% 1/4W
R360	1-249-413-11	CARBON	470 5% 1/4W	R423	1-249-405-11	CARBON	100 5% 1/4W
R361	1-249-405-11	CARBON	100 5% 1/4W	R424	1-249-437-11	CARBON	47K 5% 1/4W
R362	1-249-410-11	CARBON	270 5% 1/4W	R425	1-249-437-11	CARBON	47K 5% 1/4W
R363	1-249-432-11	CARBON	18K 5% 1/4W	R426	1-249-434-11	CARBON	27K 5% 1/4W
R364	1-249-417-11	CARBON	1K 5% 1/4W	R427	1-249-429-11	CARBON	10K 5% 1/4W
R365	1-249-432-11	CARBON	18K 5% 1/4W	R428	1-249-425-11	CARBON	4.7K 5% 1/4W
R366	1-249-437-11	CARBON	47K 5% 1/4W	R429	1-249-405-11	CARBON	100 5% 1/4W
R367	1-249-413-11	CARBON	470 5% 1/4W	R430	1-247-711-11	CARBON	680 5% 1/4W
R368	1-249-405-11	CARBON	100 5% 1/4W	R431	1-249-416-11	CARBON	820 5% 1/4W
R369	1-249-405-11	CARBON	100 5% 1/4W	R432	1-249-414-11	CARBON	560 5% 1/4W
R370	1-249-417-11	CARBON	1K 5% 1/4W	R433	1-249-433-11	CARBON	22K 5% 1/4W
R371	1-249-461-11	CARBON	18K 5% 1/4W	R434	1-249-425-11	CARBON	4.7K 5% 1/4W
R372	1-249-465-11	CARBON	47K 5% 1/4W	R435	1-249-405-11	CARBON	100 5% 1/4W
R373	1-249-436-11	CARBON	39K 5% 1/4W	R436	1-249-423-11	CARBON	3.3K 5% 1/4W
R374	1-249-432-11	CARBON	18K 5% 1/4W	R437	1-249-411-11	CARBON	330 5% 1/4W
R375	1-249-405-11	CARBON	100 5% 1/4W	R438	1-249-405-11	CARBON	100 5% 1/4W
R376	1-249-417-11	CARBON	1K 5% 1/4W	R439	1-249-417-11	CARBON	1K 5% 1/4W
R377	1-249-437-11	CARBON	47K 5% 1/4W	R440	1-249-425-11	CARBON	4.7K 5% 1/4W
R378	1-249-433-11	CARBON	22K 5% 1/4W	R441	1-249-417-11	CARBON	1K 5% 1/4W
R379	1-249-430-11	CARBON	12K 5% 1/4W	R442	1-247-700-11	CARBON	100 5% 1/4W
R380	1-249-405-11	CARBON	100 5% 1/4W	R443	1-249-421-11	CARBON	2.2K 5% 1/4W

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

- The components identified by **A** 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.

A

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R444	1-249-419-11	CARBON	1.5K 5% 1/4W	R509	1-249-423-11	CARBON	3.3K 5% 1/4W F
R445	1-249-417-11	CARBON	1K 5% 1/4W	R510	1-216-454-11	METAL OXIDE	390 5% 2W F
R446	1-249-422-11	CARBON	2.7K 5% 1/4W	R511	1-215-447-00	METAL	12K 1% 1/6W
R447	1-249-429-11	CARBON	10K 5% 1/4W	R512 A.1-212-883-91	FUSIBLE	120 5% 1/4W F	
R448	1-247-883-00	CARBON	150K 5% 1/4W	R513	1-249-383-11	CARBON	1.5 5% 1/4W F
R449	1-249-462-11	CARBON	22K 5% 1/4W	R514	1-216-367-11	METAL OXIDE	0.68 5% 2W F
R450	1-249-409-11	CARBON	220 5% 1/4W	R515	1-215-858-00	METAL OXIDE	15 5% 1W F
R451	1-247-704-11	CARBON	220 5% 1/4W	R516	1-214-888-00	METAL	10K 1% 1/2W
R452	1-249-409-11	CARBON	220 5% 1/4W	R517	1-214-763-00	METAL	27K 1% 1/4W
R453	1-247-704-11	CARBON	220 5% 1/4W	R518	1-214-783-00	METAL	180K 1% 1/4W
R454	1-249-417-11	CARBON	1K 5% 1/4W	R519	1-214-917-00	METAL	150K 1% 1/2W
R455	1-249-409-11	CARBON	220 5% 1/4W	R520	1-215-467-00	METAL	82K 1% 1/6W
R456	1-249-409-11	CARBON	220 5% 1/4W	R521	1-215-445-00	METAL	10K 1% 1/6W
R457	1-249-409-11	CARBON	220 5% 1/4W	R522	1-247-887-00	CARBON	220K 5% 1/4W
R458	1-249-433-11	CARBON	22K 5% 1/4W	R523	1-215-435-00	METAL	3.9K 1% 1/6W
R459	1-249-425-11	CARBON	4.7K 5% 1/4W	R524	1-249-469-11	CARBON	100K 5% 1/1W
R460	1-249-425-11	CARBON	4.7K 5% 1/4W	R525	1-215-445-00	METAL	10K 1% 1/6W
R461	1-249-433-11	CARBON	22K 5% 1/4W	R526	1-215-439-00	METAL	5.6K 1% 1/6W
R462	1-249-386-11	CARBON	2.7 5% 1/4W F	R527	1-249-417-11	CARBON	1K 5% 1/4W
R464	1-259-883-11	CARBON	3.9M 5% 1/4W	R528	1-215-877-11	METAL OXIDE	22K 5% 1W F
R465	1-249-465-11	CARBON	47K 5% 1/4W	R529	1-216-360-11	METAL OXIDE	8.2 5% 1W F
R466	1-249-421-11	CARBON	2.2K 5% 1/4W	R530	1-216-427-00	METAL OXIDE	120 5% 1W F
R467	1-249-431-11	CARBON	15K 5% 1/4W	R531	1-247-756-11	CARBON	2.2K 5% 1/2W F
R468	1-249-431-11	CARBON	15K 5% 1/4W	R532	1-249-436-11	CARBON	39K 5% 1/4W
R469	1-247-897-11	CARBON	560K 5% 1/4W	R533	1-249-422-11	CARBON	2.7K 5% 1/4W
R470	1-249-437-11	CARBON	47K 5% 1/4W	R534	1-247-719-11	CARBON	3.3K 5% 1/4W
R471	1-249-429-11	CARBON	10K 5% 1/4W	R535	1-215-441-00	METAL	6.8K 1% 1/6W
R472	1-249-417-11	CARBON	1K 5% 1/4W	R536	1-249-433-11	CARBON	22K 5% 1/4W
R473	1-249-437-11	CARBON	47K 5% 1/4W	R537	1-249-417-11	CARBON	1K 5% 1/4W F
R474	1-249-429-11	CARBON	10K 5% 1/4W	R538	1-249-430-11	CARBON	12K 5% 1/4W
R475	1-249-417-11	CARBON	1K 5% 1/4W	R539	1-247-883-00	CARBON	150K 5% 1/4W
R476	1-249-401-11	CARBON	47 5% 1/4W	R540	1-246-535-00	CARBON	390K 5% 1/4W
R477	1-249-417-11	CARBON	1K 5% 1/4W	R541	1-247-889-00	CARBON	270K 5% 1/4W
R478	1-249-401-11	CARBON	47 5% 1/4W	R542	1-249-438-11	CARBON	56K 5% 1/4W
R479	1-249-417-11	CARBON	1K 5% 1/4W	R543	1-247-903-00	CARBON	1M 5% 1/4W
R480	1-249-401-11	CARBON	47 5% 1/4W	R544	1-215-447-00	METAL	12K 1% 1/6W
R481	1-249-433-11	CARBON	22K 5% 1/4W	R545	1-249-417-11	CARBON	1K 5% 1/4W
R482	1-249-433-11	CARBON	22K 5% 1/4W	R546	1-249-409-11	CARBON	220 5% 1/4W
R483	1-249-433-11	CARBON	22K 5% 1/4W	R547	1-249-414-11	CARBON	560 5% 1/4W
R484	1-247-891-00	CARBON	330K 5% 1/4W	R548	1-249-415-11	CARBON	680 5% 1/4W
R485	1-247-891-00	CARBON	330K 5% 1/4W	R549	1-215-473-00	METAL	150K 1% 1/6W
R486	1-249-433-11	CARBON	22K 5% 1/4W	R550	1-249-433-11	CARBON	22K 5% 1/4W
R487	1-249-433-11	CARBON	22K 5% 1/4W	R551	1-247-688-11	CARBON	10 5% 1/4W F
R488	1-249-418-11	CARBON	1.2K 5% 1/4W F	R552	1-249-421-11	CARBON	2.2K 5% 1/4W
R489	1-249-421-11	CARBON	2.2K 5% 1/4W	R553	1-249-429-11	CARBON	10K 5% 1/4W
R490	1-247-895-00	CARBON	470K 5% 1/4W	R554	1-249-461-11	CARBON	18K 5% 1/4W
R491	1-249-420-11	CARBON	1.8K 5% 1/4W	R555	1-249-426-11	CARBON	5.6K 5% 1/4W
R492	1-249-417-11	CARBON	1K 5% 1/4W	R556	1-247-707-11	CARBON	390 5% 1/4W
R493	1-249-441-11	CARBON	100K 5% 1/4W	R557	1-215-463-00	METAL	56K 1% 1/6W
R494	1-249-413-11	CARBON	470 5% 1/4W	R558	1-215-457-00	METAL	33K 1% 1/6W
R495	1-249-433-11	CARBON	22K 5% 1/4W	R559	1-215-453-00	METAL	22K 1% 1/6W
R496	1-249-433-11	CARBON	22K 5% 1/4W	R560	1-215-479-00	METAL	270K 1% 1/6W
R497	1-249-437-11	CARBON	47K 5% 1/4W	R561	1-249-435-11	CARBON	33K 5% 1/4W
R498	1-249-433-11	CARBON	22K 5% 1/4W	R562	1-249-422-11	CARBON	2.7K 5% 1/4W
R499	1-249-433-11	CARBON	22K 5% 1/4W	R563	1-249-428-11	CARBON	8.2K 5% 1/4W
R500 A.	METAL	1/6W		R564	1-215-445-00	METAL	10K 1% 1/6W
R501	1-247-711-11	CARBON	680 5% 1/4W F	R565	1-249-413-11	CARBON	470 5% 1/4W F
R502	1-216-464-11	METAL OXIDE	18K 5% 2W F	R566	1-216-350-11	METAL OXIDE	1.2 5% 1W F
R503	1-249-440-11	CARBON	82K 5% 1/4W	R567	1-216-350-11	METAL OXIDE	1.2 5% 1W F
R504	1-249-426-11	CARBON	5.6K 5% 1/4W	R568	1-249-401-11	CARBON	47 5% 1/4W F
R505	1-249-440-11	CARBON	82K 5% 1/4W	R569	1-215-869-11	METAL OXIDE	1K 5% 1W F
R506	1-249-431-11	CARBON	15K 5% 1/4W	R570	1-247-697-11	CARBON	56 5% 1/4W F
R507	1-215-458-00	METAL	36K 12% 1/6W F	R571	1-215-867-00	METAL OXIDE	470 5% 1W F
R508	1-247-723-11	CARBON	6.8K 5% 1/4W F				

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

A

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R572	1-216-355-11	METAL OXIDE	3.3 5% 1W	R836	1-247-897-11	CARBON	560K 5% 1/4W
R573	1-247-746-11	CARBON	390 5% 1/2W	R837	1-215-469-00	METAL	100K 1% 1/6W
R574	1-249-425-11	CARBON	4.7K 5% 1/4W	R838	1-246-531-00	CARBON	270K 5% 1/4W
R575	1-247-688-11	CARBON	10 5% 1/4W	R840	1-247-696-11	CARBON	47 5% 1/4W
R576	1-247-889-00	CARBON	270K 5% 1/4W	R842	1-249-409-11	CARBON	220 5% 1/4W
R577	1-249-396-11	CARBON	18 5% 1/4W	R843	1-247-704-11	CARBON	220 5% 1/4W
R578	1-249-433-11	CARBON	22K 5% 1/4W	R844	1-249-417-11	CARBON	1K 5% 1/4W
R579	1-249-433-11	CARBON	22K 5% 1/4W	R845	1-247-725-11	CARBON	10K 5% 1/4W
R580	1-249-433-11	CARBON	22K 5% 1/4W	R846	1-215-439-00	METAL	5.6K 1% 1/6W
R581	1-249-429-11	CARBON	10K 5% 1/4W	R847	1-249-433-11	CARBON	22K 5% 1/4W
R582	1-249-429-11	CARBON	10K 5% 1/4W	R848	1-249-433-11	CARBON	22K 5% 1/4W
R583	1-249-438-11	CARBON	56K 5% 1/4W	R850	1-249-440-11	CARBON	82K 5% 1/4W
R584	1-247-881-00	CARBON	120K 5% 1/4W	R851	1-249-439-11	CARBON	68K 5% 1/4W
R585	1-249-431-11	CARBON	15K 5% 1/4W	R852	1-249-437-11	CARBON	47K 5% 1/4W
R586	1-215-453-00	METAL	22K 1% 1/6W	R853	1-247-710-11	CARBON	560 5% 1/4W
R587	1-249-429-11	CARBON	10K 5% 1/4W	R855	1-249-414-11	CARBON	560 5% 1/4W
R588	1-247-688-11	CARBON	10 5% 1/4W	R856	1-249-429-11	CARBON	10K 5% 1/4W
R589	1-249-417-11	CARBON	1K 5% 1/4W	R857	1-247-725-11	CARBON	10K 5% 1/4W
R590	1-249-433-11	CARBON	22K 5% 1/4W	R858	1-249-433-11	CARBON	22K 5% 1/4W
R591	1-249-433-11	CARBON	22K 5% 1/4W	R860	1-249-425-11	CARBON	4.7K 5% 1/4W
R592	1-249-417-11	CARBON	1K 5% 1/4W	R861	1-249-437-11	CARBON	47K 5% 1/4W
R593	1-249-425-11	CARBON	4.7K 5% 1/4W	R862	1-249-425-11	CARBON	4.7K 5% 1/4W
R594	1-247-719-11	CARBON	3.3K 5% 1/4W	R863	1-247-721-11	CARBON	4.7K 5% 1/4W
R595	1-249-417-11	CARBON	1K 5% 1/4W	R864	1-247-717-11	CARBON	2.2K 5% 1/4W
R596	1-247-721-11	CARBON	4.7K 5% 1/4W	R866	1-249-426-11	CARBON	5.6K 5% 1/4W
R597	1-215-441-00	METAL	6.8K 1% 1/6W	R867	1-249-426-11	CARBON	5.6K 5% 1/4W
R598	1-247-725-11	CARBON	10K 5% 1/4W	R868	1-249-421-11	CARBON	2.2K 5% 1/4W
R599	1-247-711-11	CARBON	680 5% 1/4W	R869	1-249-425-11	CARBON	4.7K 5% 1/4W
R800	1-215-449-00	METAL	15K 1% 1/6W	R870	1-249-426-11	CARBON	5.6K 5% 1/4W
R801	1-247-889-00	CARBON	270K 5% 1/4W	R871	1-247-723-11	CARBON	6.8K 5% 1/4W
R802	1-215-429-00	METAL	2.2K 1% 1/6W	R872	1-249-417-11	CARBON	1K 5% 1/4W
R803	1-249-465-11	CARBON	47K 5% 1/4W	R873	1-249-437-11	CARBON	47K 5% 1/4W
R804	1-247-726-11	CARBON	33K 5% 1/4W	R874	1-215-437-00	METAL	4.7K 1% 1/6W
R805	1-249-407-11	CARBON	150 5% 1/4W	R875	1-215-453-00	METAL	22K 1% 1/6W
R806	1-249-412-11	CARBON	390 5% 1/4W	R876	1-249-429-11	CARBON	10K 5% 1/4W
R807	1-249-437-11	CARBON	47K 5% 1/4W	R877	1-249-417-11	CARBON	1K 5% 1/4W
R808	1-249-433-11	CARBON	22K 5% 1/4W	R878	1-249-429-11	CARBON	10K 5% 1/4W
R809	1-215-477-00	METAL	220K 1% 1/6W	R879	1-249-437-11	CARBON	47K 5% 1/4W
R810	1-215-467-00	METAL	82K 1% 1/6W	R880	1-249-417-11	CARBON	1K 5% 1/4W
R811	1-249-429-11	CARBON	10K 5% 1/4W	R881	1-249-423-11	CARBON	3.3K 5% 1/4W
R812	1-249-427-11	CARBON	6.8K 5% 1/4W	R883	1-249-409-11	CARBON	220 5% 1/4W
R813	1-249-405-11	CARBON	100 5% 1/4W	R884	1-249-417-11	CARBON	1K 5% 1/4W
R814	1-249-417-11	CARBON	1K 5% 1/4W	R885	1-249-469-11	CARBON	100K 5% 1/4W
R815	1-249-409-11	CARBON	220 5% 1/4W	R886	1-247-725-11	CARBON	10K 5% 1/4W
R816	1-249-429-11	CARBON	10K 5% 1/4W	R887	1-249-409-11	CARBON	220 5% 1/4W
R817	1-247-881-00	CARBON	120K 5% 1/4W	R1001	1-247-717-11	CARBON	2.2K 5% 1/4W
R818	1-247-881-00	CARBON	120K 5% 1/4W	R1002	1-249-429-11	CARBON	10K 5% 1/4W
R819	1-247-903-00	CARBON	1M 5% 1/4W	R1003	1-249-405-11	CARBON	100 5% 1/4W
R820	1-249-426-11	CARBON	5.6K 5% 1/4W	R1004	1-247-725-11	CARBON	10K 5% 1/4W
R821	1-247-881-00	CARBON	120K 5% 1/4W	R1005	1-249-437-11	CARBON	47K 5% 1/4W
R822	1-249-417-11	CARBON	1K 5% 1/4W	R1006	1-249-439-11	CARBON	68K 5% 1/4W
R823	1-247-696-11	CARBON	47 5% 1/4W	R1007	1-249-433-11	CARBON	22K 5% 1/4W
R824	1-249-439-11	CARBON	68K 5% 1/4W	R1009	1-249-429-11	CARBON	10K 5% 1/4W
R825	1-249-437-11	CARBON	47K 5% 1/4W	R1010	1-249-415-11	CARBON	680 5% 1/4W
R826	1-249-417-11	CARBON	1K 5% 1/4W	R1011	1-249-455-11	CARBON	4.7 5% 1/4W
R827	1-249-417-11	CARBON	1K 5% 1/4W	R1012	1-216-355-11	METAL OXIDE	3.3 5% 1W
R828	1-249-417-11	CARBON	1K 5% 1/4W	R1013	1-249-413-11	CARBON	470 5% 1/4W
R829	1-249-421-11	CARBON	2.2K 5% 1/4W	R1014	1-249-414-11	CARBON	560 5% 1/4W
R830	1-249-435-11	CARBON	33K 5% 1/4W	R1015	1-215-867-00	METAL OXIDE	470 5% 1W
R831	1-249-438-11	CARBON	56K 5% 1/4W	R1016	1-247-698-11	CARBON	68 5% 1/4W
R832	1-249-417-11	CARBON	1K 5% 1/4W	R1017	1-249-421-11	CARBON	2.2K 5% 1/4W
R833	1-249-425-11	CARBON	4.7K 5% 1/4W	R1018	1-249-437-11	CARBON	47K 5% 1/4W
R834	1-249-425-11	CARBON	4.7K 5% 1/4W	R1019	1-212-857-91	FUSIBLE	10 5% 1/4W
R835	1-247-889-00	CARBON	270K 5% 1/4W				

A

X A

W

PVM-2042QM/2044QM

W **H** **J**

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

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK						
<DIODE>													
D1400	8-719-911-19	DIODE ISS119			*1-629-153-11	J BOARD	*****						
D1401	8-719-911-19	DIODE ISS119			*1-568-106-11	PIN, CONNECTOR 7P							
<IC>													
IC1400	8-759-135-80	IC UPC358C											
<TRANSISTOR>													
Q1400	8-729-119-78	TRANSISTOR 2SC2785-HFE			A.1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE							
Q1401	8-729-119-76	TRANSISTOR 2SA1175-HFE			A.1-426-450-11	COIL, DEMAGNETIZATION							
Q1402	8-729-119-78	TRANSISTOR 2SC2785-HFE			A.1-451-349-11	DEFLECTION YOKE (Y20FZA)							
Q1403	8-729-119-78	TRANSISTOR 2SC2785-HFE			1-452-032-00	MAGNET, DISK; 10MM ϕ							
<RESISTOR>													
R1400	1-249-437-11	CARBON	47K	5%	1-452-277-00	MAGNET, BMC							
R1401	1-249-415-11	CARBON	680	5%	1-466-076-11	CONTROL UNIT (PVM-2042QM ONLY)							
R1402	1-247-895-00	CARBON	470K	5%	1-466-198-11	CONTROL UNIT (PVM-2044QM ONLY)							
R1403	1-247-903-00	CARBON	1M	5%	1-509-718-00	DIN 4P SOCKET (PVM-2044QM ONLY)							
R1404	1-249-438-11	CARBON	56K	5%	1-543-604-11	CORE, RING							
R1405	1-249-433-11	CARBON	22K	5%	1-544-063-11	SPEAKER							
R1406	1-249-411-11	CARBON	330	5%	A.1-574-389-12	CORD, POWER (WITH CONNECTOR)							
R1407	1-249-433-11	CARBON	22K	5%	S901 A.1-554-967-12	SWITCH, PUSH (AC POWER) (1 KEY)							
R1408	1-249-411-11	CARBON	330	5%	V901 A.8-736-122-05	PICTURE TUBE (M49KGH21X)							
R1409	1-249-429-11	CARBON	10K	5%	*****								
R1410	1-249-409-11	CARBON	220	5%	ACCESORIES AND PACKING MATERIALS								
R1411	1-249-426-11	CARBON	5.6K	5%	*****								
R1412	1-249-411-11	CARBON	330	5%	PART NO.	DESCRIPTION	REMARK						
R1413	1-247-883-00	CARBON	150K	5%	X-4391-815-1	BRACKET ASSY							
R1414	1-249-429-11	CARBON	10K	5%	*3-704-318-01	BAG, PROTECTION							
R1416	1-249-429-11	CARBON	10K	5%	3-750-719-11	MANUAL, INSTRUCTION							
R1417	1-249-433-11	CARBON	22K	5%	*4-393-327-01	PLATE, NUMBER, TALLY (PVM-2044QM ONLY)							
R1418	1-249-439-11	CARBON	68K	5%	*4-393-346-01	CUSHION (UPPER) (ASSY)							
R1419	1-249-440-11	CARBON	82K	5%	*4-393-347-01	CUSHION (LOWER) (ASSY)							
R1420	1-249-441-11	CARBON	100K	5%	*4-393-353-01	INDIVIDUAL CARTON (PVM-2044QM ONLY)							
R1421	1-247-881-00	CARBON	120K	5%	*4-393-355-01	INDIVIDUAL CARTON (PVM-2042QM ONLY)							
<CONNECTOR>													
W1	*1-565-482-11	CONNECTOR, BOARD TO BOARD 6P			7-682-247-09	SCREW +K 3X6							
W2	*1-564-508-11	PLUG, CONNECTOR 5P			*****								
*1-632-005-11 H BOARD													

*1-564-517-11 PLUG, CONNECTOR 2P													
<DIODE>													
D951	8-719-920-21	DIODE LT-9220H (PVM-2044QM ONLY)			*****								
<CONNECTOR>													
H1	*1-564-519-11	PLUG, CONNECTOR 4P			*****								
<SWITCH>													
S951 A.1-554-118-22	S952 1-554-118-00	SWITCH, PUSH (1 KEY) (DEGAUSS SWITCH)			*****								

Sony Corporation
TV Group

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