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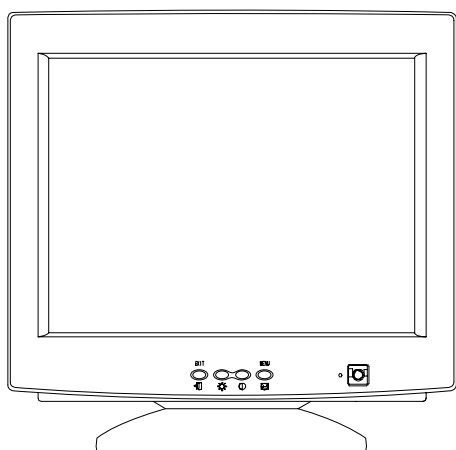
COLOR MONITOR

Chassis
AN15V*

Model
551V, 551S
56V, 56E

SERVICE Manual

COLOR MONITOR



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1 Precautions

1-1 Safety Precautions

WARNINGS

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power before servicing.
3. When the chassis is operating, semiconductor heatsinks are potential shock hazards.

1-1-1 Servicing the High Voltage and CRT :

WARNING: A high voltage adjusted to the wrong value may cause excessive X-ray emissions.

1. When servicing the high voltage system, remove the static charge by connecting a 10 kohm resistor in series with an insulated wire (such as a test probe) between the chassis and the anode lead.
2. When troubleshooting a monitor with excessively HV, avoid being unnecessarily close to the monitor. Do not operate the monitor for longer than is necessary to locate the cause of excessive voltage.
3. High voltage should always be kept at the rated value, no higher. Only when high voltage is excessive are X-rays capable of penetrating the shell of the CRT, including the lead in glass material. Operation at high voltages may also cause failure of the CRT or high voltage circuitry.
4. When the HV regulator is operating properly, there is no possibility of an X-ray problem. Make sure the HV does not exceed its specified value and that it is regulating correctly.
5. The CRT is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the CRT only with one that is the same or equivalent type as the original.
6. Handle the CRT only when wearing shatterproof goggles and after completely discharging the high voltage anode.
7. Do not lift the CRT by the neck.

1-1-2 Fire and Shock Hazard :

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

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.

3. Leakage Current Hot Check (Figure 1-1):
WARNING: Do not use an isolation transformer during this test.

Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances*), and Underwriters Laboratories (UL Publication UL1410, 59.7).

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

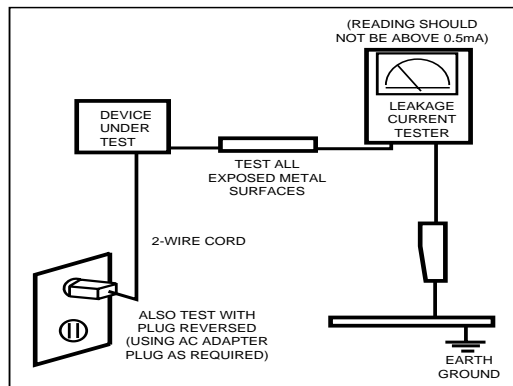


Figure 1-1. Leakage Current Test Circuit

1-1-3 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and / or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

Components identified by ☢ on schematics and parts lists must be sealed by a soldering iron after replacement and adjustment.

1-2 Servicing Precautions

WARNING1: First read the “Safety Precautions” section of this manual. If unforeseen circumstances create conflict between the servicing precautions and safety precautions, always follow the safety precautions.


WARNING2: A high voltage adjusted to the wrong value may cause excessive X-ray emissions.

WARNING3: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet, and should be followed closely.
2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect all test components in parallel with an electrolytic capacitor.
3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.
The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
7. Never defeat any of the +B voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.
8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as “anti-static” can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.
9.  Indicates ESDs on the Schematic Diagram in this manual.

2 Product Specifications

2-1 Specifications

Item		Description
Picture Tube:		15-Inch (38 cm): 13.8-inch (35 cm) viewable, Full-square flat-face tube, 90° Deflection, Semi- tint, Non-glare, Invar shadow mask, Anti-static silica coating, 0.28 mm Dot pitch
Scanning Frequency	Horizontal Vertical	30 KHz ~ 55 KHz (Automatic) 50 Hz ~ 120 Hz (Automatic)
Display Colors		Unlimited colors
Maximum Resolution	Horizontal Vertical	1024 Dots 768 Lines
Input Video Signal		Analog, 0.7 Vp-p positive at 75 Ω , internally terminated
Input Sync Signal		Separate Sync : TTL level positive/negative
Maximum Pixel Clock rate		65 MHz
Active Display		Horizontal : 267 mm \pm 4 mm, Vertical : 200 mm \pm 4 mm
Input Voltage		AC 90 ~ 264 Volts, 60 Hz / 50 Hz \pm 3 Hz
Power Consumption		80 Watt (max)
Dimensions (W x D x H) With Base		14.01 x 14.92 x 14.54 Inches (356 x 379 x 369.5 mm)
Weight (Net/Gross)		11.5 kg (25.35 lbs) / Standard : 13.3 kg (29.32 lbs), Special : 13.4 kg (29.54 lbs)
Environmental Considerations		Operating Temperature : 32°F ~ 104°F (0°C ~ 40°C) Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Humidity : 5 % ~ 95 %
<ul style="list-style-type: none"> Above models comply with SWEDAC (MPR II) recommendations for reduced electromagnetic fields. Designs and specifications are subject to change without prior notice. 		

2-2 Pin Assignments

<div><div>Sync Type</div><div>Pin No.</div></div>	Separate	Macintosh
1	Red	GND-R
2	Green	Red
3	Blue	H/V Sync.
4	N-C	Sense 0
5	GND (DDC Return)	Green
6	GND-R	GND-G
7	GND-G	Sense 1
8	GND-B	Reserved
9	N-C	Blue
10	GND-Sync./Self-Test	Sense 2
11	N-C	GND
12	DDC Data	V-Sync.
13	H-Sync.	GND-B
14	V-Sync.	GND
15	DDC Clock	H-Sync.

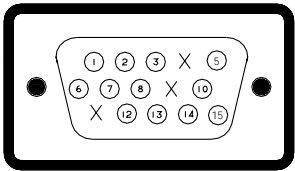


Figure 2-1. Male Type

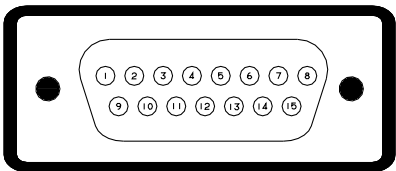


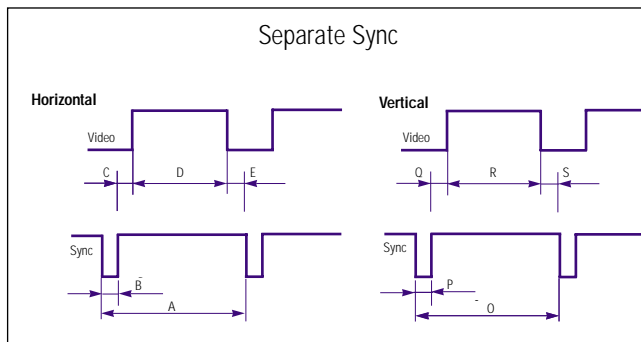
Figure 2-2. Male Type

2-3 Timing Chart

This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

Table 2-1 Timing Chart

Mode Timing	IBM		VESA		
	VGA3/60 Hz 640 x 480	VGA2/70 Hz 720 x 400	640/75 Hz 640 x 480	640/85 Hz 640 x 480	800/85 Hz 800 x 600
fH (kHz)	31.469	31.469	37.500	43.269	53.674
A μ sec	31.778	31.778	26.667	23.111	18.631
B μ sec	3.813	3.813	2.032	1.556	1.138
C μ sec	1.907	1.907	3.810	2.222	2.702
D μ sec	25.422	25.422	20.317	17.778	14.222
E μ sec	0.636	0.636	0.508	1.556	0.569
fV (Hz)	59.940	70.087	75.000	85.008	85.061
O msec	16.683	14.268	13.333	11.764	11.756
P msec	0.064	0.064	0.080	0.671	0.056
Q msec	1.048	1.080	0.427	0.578	0.503
R msec	15.253	12.711	12.800	11.093	11.179
S msec	0.318	0.413	0.027	0.023	0.019
Clock Frequency (MHz)	25.175	28.322	31.500	36.000	56.250
Polarity H.Sync	Negative	Negative	Negative	Negative	Positive
V.Sync	Negative	Positive	Negative	Negative	Positive
Remark	Separate	Separate	Separate	Separate	Separate



A : Line time total

B : Horizontal sync width

O : Frame time total

P : Vertical sync width

C : Back porch

D : Active time

Q : Back porch

R : Active time

E : Front porch

S : Front porch

Memo

3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the AN15V* monitor.

WARNING: This monitor contains electrostatically sensitive devices. Use with caution when handling these components.

3-1 Disassembly

Cautions: 1. Disconnect the monitor from the power source before disassembly.

2. To remove the Rear Cover, you must use the special opening jig tool.

3-1-1 Before making Disassembly

1. Disconnect or power cord from the monitor.
2. With a pad beneath it, stand the monitor on its front with the screen facing downward and the base close to you.

3-1-2 Cabinet Disassembly

1. Remove the Stand from the monitor.
(Refer to Stand manual)
2. Remove 2 screws on the Rear cover.



Figure 1

3. Incline the monitor by lifting the rear of the monitor.



Figure 2

4. Push the Opening jig each groove along the top of the monitor till it makes a "ttak" sound. (2 grooves : Left and Right, Make sure each snap is disengaged.)



Figure 3

5. Pull the Rear Cover up off the monitor.



Figure 4

6. Remove the Shield.(TCO 95)

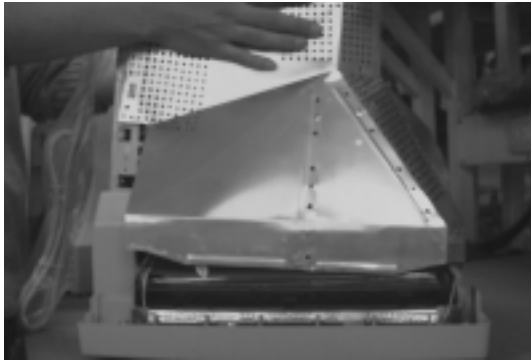


Figure 5

7. Using pinch-nose pliers or ling-nose pliers, carefully disconnect the Anode Cap from the CRT.

Warning: Do not touch the Anode contact on the CRT (High Voltage may remain).

3-1-3 Removing the CRT Socket PCB

1. Complete all previous steps.
2. Lift up the Video Spring and remove the CRT Socket PCB from the CRT.

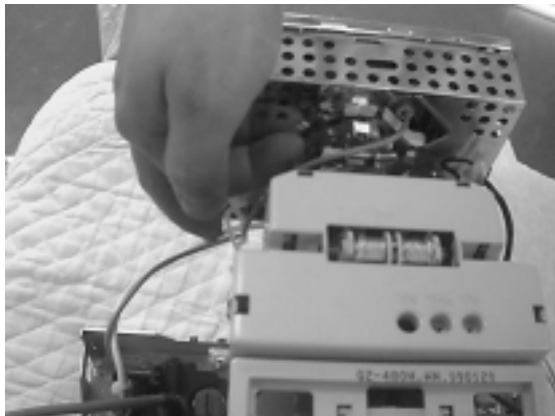


Figure 6

3. Disconnect all connectors on the CRT Socket PCB.
4. Using a solder iron, disconnect Ground (GND) on the back of the Video Shield and remove the Shield Cap.
5. Remove the screw on the front of the Shield Socket.
6. Desolder the 4 tabs on the CRT Socket PCB and remove Shield.
7. Place the Video PCB on a flat, level surface that is protected from static electricity.

3-2 Reassembly

Reassembly procedures are in the reverse order of Disassembly procedures.

3-1-4 Removing the Main PCB

1. Complete all previous steps.
2. Disconnect the Degaussing Coil at CN603 on the Main PCB.
3. Disconnect all easily accessible ground wires on the PCB and Bottom Chassis.
4. Disconnect the DY connector at the CN404 connector on the Main .
5. Using the jig, release the snaps (2) connecting the Front Cover and the PCB then lift up the Bottom to separate the two Shield.

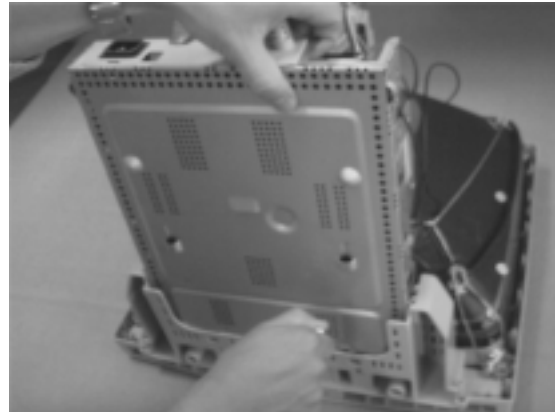


Figure 7

6. Disconnect the Sub PCB connector at the CN201 connector on the Main PCB.
7. Remove the screws on the back and along each side of the Bottom Chassis.
8. Carefully lift the Main PCB Ass'y and remove the remaining ground wires.
9. Place the Main PCB Ass'y on a flat, level surface that is protected from static electricity.

3-1-5 CRT Ass'y Disassembly

1. Complete all previous steps.
2. Straighten the Degaussing Coil Assembly coated metal ties and lift the Coil Ass'y from the CRT.
3. Remove the four corner screws and lift the CRT up and away from the Front Cover Assembly and place it on a padded surface.

Caution: Do not lift the CRT by the neck.

If you will be returning this CRT to the monitor, be sure to place the CRT face downward on a protective pad.

4 Alignment and Adjustments

This section of the service manual explains how to make permanent adjustments to the monitor. Directions are given for adjustments using the monitor Interface Board Ver. 1.1 and software (Softjig).

4-1 Adjustment Conditions

Caution: Changes made without the Softjig are saved only to the user mode settings. As such, the settings are not permanently stored and may be inadvertently deleted by the user.

4-1-1 Before Making Adjustments

4-1-1 (a) ORIENTATION

When servicing, always face the monitor to the east.

4-1-1 (b) WARM-UP TIME

The monitor must be on for 30 minutes before starting alignment. Warm-up time is especially critical in color temperature and white balance adjustments.

4-1-1 (c) SIGNAL

Analog, 0.7 Vp-p positive at 75 ohm, internal termination

Sync: TTL level, negative/positive

4-1-1 (d) SCANNING FREQUENCY

Horizontal: 30 KHz ~ 55 KHz (Automatic)

Vertical: 50 Hz ~ 120 Hz (Automatic)

Unless otherwise specified, adjust at the 800 x 600 mode (54 KHz/85 Hz).

4-1-2 Required Equipment

The following equipment may be necessary for adjustment procedures:

4-1-2 (a) DISPLAY CONTROL ADJUSTMENT

1. Non-metallic (–) screwdriver:
1.5, 2.5, 3 mm
2. Non-metallic (+) screwdriver:
1.5, 2.5, 3 mm
3. Digital Multimeter (DMM), or
Digital Voltmeter
4. Signal generator, or
DM200 software
5. Personal computer

4-1-2 (b) COLOR ADJUSTMENTS

1. All equipment listed in 4-1-2 (a), above
2. Color analyzer, or any luminance
measurement equipment

4-2 Display Control Adjustments

4-2-1 HIGH VOLTAGE

Signal: 800 x 600 (54 KHz/85 Hz)
 Display image: Full White Pattern
 Contrast: Maximum
 Brightness: Maximum
 Limit: 25.0 kV \pm 0.2 kV

Measure the high voltage level at the anode cap.
 High voltage should be within the limit as above.

4-2-2 CENTER RASTER

Adjust VR401 so that the back raster comes to the center when you apply each basic mode.

SCREEN VOLTAGE ADJUSTMENT

※ This can only SDI CRT conditions.

Signal: 800 x 600 (54 KHz/85 Hz)
 Display image: Don't care
 Contrast: Minimum
 Brightness: Minimum
 Limit: 480 \pm 10V

Adjust screen VR of T501.

4-2-3 Centering

Centering means to position the center point of the display in the middle of the display area.
 Horizontal size and position and vertical size and position control the centering of the display.

Adjust the horizontal size and vertical size to their optimal settings: 267 mm (H) x 200 mm.

Adjust the horizontal position and vertical position to ≤ 5.0 mm of the center point of the screen.

$$|A - B| \leq 5.0 \text{ mm.} \quad |C - D| \leq 5.0 \text{ mm.}$$

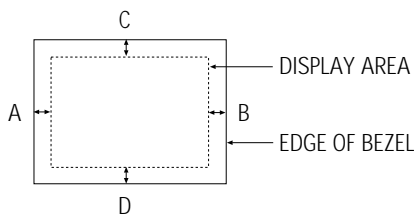


Figure 4-3. Centering

4-2-3 (a-1) HORIZONTAL SIZE ADJUSTMENT

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
 Display image: Crosshatch pattern
 Brightness: Maximum
 Contrast: Maximum

Use control bar after selecting "SIZE B+" in left menu to adjust the horizontal size of the display pattern to 255 mm. (Tolerance: ± 4 mm.)

4-2-3 (a-2) HORIZONTAL SIZE ADJUSTMENT

Use control bar after selecting "H-SIZE" in left menu to adjust the horizontal size of the display pattern to 267 mm. (Tolerance: ± 4 mm.)

4-2-3 (b) VERTICAL SIZE ADJUSTMENT

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
 Display image: Crosshatch pattern
 Brightness: Maximum
 Contrast: Maximum

Use control bar after selecting "V-SIZE" in left menu to adjust the vertical size of the display pattern to 200 mm. (Tolerance: ± 4 mm.)

4-2-3 (c) HORIZONTAL POSITION ADJUSTMENT

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
 Display image: Crosshatch pattern

Use control bar after selecting "H-POSITION" in left menu to center the horizontal image on the raster.

4-2-3 (d) VERTICAL POSITION ADJUSTMENT

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
 Display image: Crosshatch pattern

Use control bar after selecting "V-POSITION" in left menu to center the vertical image on the raster.

4-2-4 Linearity

Linearity affects the symmetry of images as they appear on the screen. Unless each row or column of blocks in a crosshatch pattern is of equal size, or within the tolerances shown in Table 4-1 an image appears distorted, elongated or squashed.

$$\text{Horizontal Linearity} = 2x \frac{X_{\text{max}} - X_{\text{min}}}{X_{\text{max}} + X_{\text{min}}} \times 100$$

$$\text{Vertical Linearity} = 2x \frac{Y_{\text{max}} - Y_{\text{min}}}{Y_{\text{max}} + Y_{\text{min}}} \times 100$$

Table 4-1

	Adjacent Linearity	Entire Linearity
Preset mode	$\leq 4\%$	$\leq 8\%$
Pre-load mode (48kHz-)	$\leq 5\%$	$\leq 14\%$

※ Preset Mode : 54KHz / 85Hz
 Pre-load Mode : Refer to Timing Chart

4-2-4 (a) HORIZONTAL LINEARITY ADJUSTMENT CONDITIONS

Scanning frequency: 54 KHz/85 Hz
 Display image: Crosshatch pattern
 Brightness: Maximum
 Contrast: Maximum

To adjust the Horizontal Linearity, refer to Table 4-1 for the tolerance range.

Increase or decrease **H_LIN** to optimize the image.

4-2-4 (b) VERTICAL LINEARITY ADJUSTMENT

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
 Display image: Crosshatch pattern
 Brightness: Maximum
 Contrast: Maximum

To adjust the Vertical Linearity, refer to Table 4-1 for the tolerance range.

Use control bar after selecting **"V-LINEARITY BAL"** in left menu to optimize the image.

4-2-5 Trapezoid Adjustment

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
 Display image: Crosshatch pattern
 Brightness: Maximum
 Contrast: Maximum

Use control bar after selecting **"TRAPEZOID"** in left menu to make the image area rectangular.

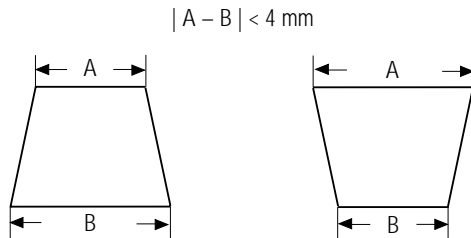


Figure 4-4. Trapezoid

4-2-6 Pinbalance Adjustment

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
 Display image: Crosshatch pattern
 Brightness: Maximum
 Contrast: Maximum

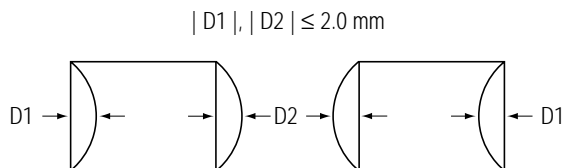


Figure 4-5. Pinbalance

Use control bar after selecting **"PINBALANCE"** in left menu to optimize the image.

4-2-7 Parallelogram Adjustment

CONDITIONS

Scanning Frequency: 54 KHz/85 Hz
 Display image: Crosshatch pattern
 Brightness: Maximum
 Contrast: Maximum

Use control bar after selecting **"PARALLEL"** in left menu to make the image area rectangular.

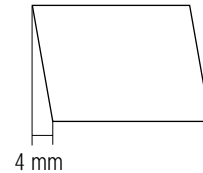


Figure 4-6. Parallelogram

4-2-8 Side Pincushion Adjustment

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
 Display image: Crosshatch pattern

Use control bar after selecting **"PINCUSHION"** in left menu to straighten the sides of the image area.

$$|C1|, |C2| \leq 2.0 \text{ mm}, |D1|, |D2| \leq 2.0 \text{ mm}.$$

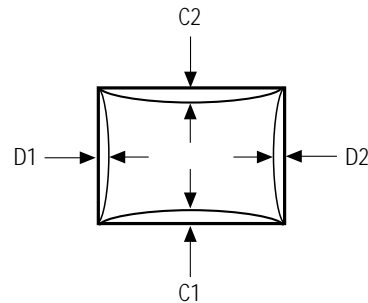


Figure 4-7. Pincushion

4-2-9 Degauss

No adjustments are available for the degaussing circuit. The degaussing circuit can effectively function only once per 30 minutes.

4-2-10 To Delete the User Mode Data

To delete the adjustment data from the user modes, click **"@4: USER DELETE"** in right ment.

4-2-11 Save the Data

To save the adjustment data for a mode, press **"@3: ALL MODE SAVE"** in right ment.

4-3 Color Adjustments

CAUTION : Check below condition before color adjustment
Video signal : Analog 0.7 Vp-p (at 75 Ω)
Sync : TTL level (H, V separate signal)

* Select "Color" in Softjig menu for color adjustment.

4-3-1 Color Coordinates (Temperature)

Color temperature is a measurement of the radiant energy transmitted by a color. For computer monitors, the color temperature refers to the radiant energy transmitted by white. Color coordinates are the X and Y coordinates on the chromaticity diagram of wavelengths for the visible spectrum.

CONDITIONS

Measurement instrument: Color analyzer
Scanning frequency: 54 KHz/85 Hz
Display image: White flat field at center of display area
Luminance: Maximum

PROCEDURE

Use the directions in sections 4-3-2 through 4-3-3 to adjust the color coordinates for:

9300K to $x = 0.283 \pm 0.015$, $y = 0.298 \pm 0.015$

6500K to $x = 0.313 \pm 0.015$, $y = 0.329 \pm 0.015$

4-3-2 Color Adjustments for 9300K

4-3-2 (a) BACK RASTER COLOR ADJUSTMENT

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
Display image: Back raster pattern
Brightness: Maximum
Contrast: Maximum

1. Select "@1: CHANNEL 1" in right menu to control the color for 9300K.
2. Adjust the luminance of the back raster to between 0.5 to 0.7 ft-L using contron bar after selecting "GREEN CUTOFF" in the menu.
3. Use control bar after selecting "BLUE CUTOFF" in left menu to set the "y" coordinate to 0.298 ± 0.015
4. Use control bar after selecting "RED CUTOFF" in left menu to 0.283 ± 0.015

* If color values would not be matched desirable values, repeat sequence 3 and 4 after readjusting "GREEN CUTOFF" control a little different.

4-3-2 (b) WHITE BALANCE ADJUSTMENT

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
Display image: White box pattern
Brightness: 0.06ft-L at Back Raster
Pattern Display
Contrast: Maximum

1. Use control bar after selecting "RED GAIN", "GREEN GAIN" and "BLUE GAIN" to adjust the luminance to 50 ft-L with the color coordinates ranged for 9300K to $x = 0.283 \pm 0.015$, $y = 0.298 \pm 0.015$.

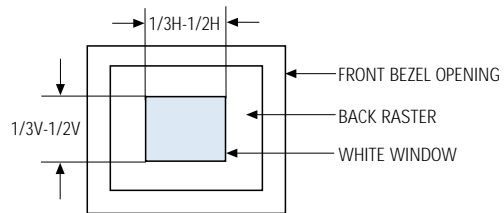


Figure 4-8. White Box Pattern

4-3-2 (c) ABL ADJUSTMENT

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
Display image: Full white pattern
Brightness: Maximum
Contrast: Maximum

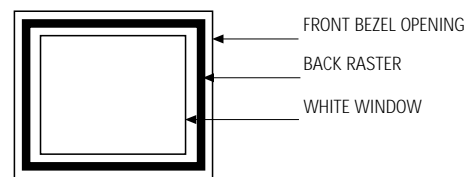


Figure 4-9. Full White Pattern

1. Check the ABL. If it is not within the specifications, use the ABL controls to adjust it. (38 ± 1 ft-L)
2. Select "@4: COLOR SAVE" to save the data.
3. Select "@6: ALL COLOR SAVE" to save the CH2.

4-3-2 (d) WHITE BALANCE ADJUSTMENT VERIFICATION

CONDITIONS

Scanning frequency: 54 KHz/85 Hz

Display image: Back raster pattern
Full White Pattern

X-Y Coordinates: $x = 0.283 \pm 0.015$,
 $y = 0.298 \pm 0.015$

ABL Luminance Refer to 4-3-2(c)

Brightness: Maximum

Contrast: 5 ft-L, 24 ft-L

1. Check whether the color coordinates of the back raster satisfy the above spec.
If they do not, return to 4-3-2 (a) and readjust all settings.
2. Display a full white pattern.
3. Select "Geometry" in softjig menu.
4. Select "@7: 5-ft " in right menu.
5. Check whether the white coordinates of the video meet the above coordinates spec.
6. Select "@8: 24-ft " in right menu.
7. Check whether the white coordinates of the video satisfies the above spec.
If they do not, return to 4-3-2 (a) and readjust all settings.

Select "Color" and click "@2: CHANNEL 2" for color adjustment for 6500K
Repeat the sequence of 9300K adjustment.
The luminance values the same as 9300K, but the color coordinated of back raster and white box are : $x = 0.313 \pm 0.015$ $y = 0.329 \pm 0.015$

4-3-3 Luminance Uniformity Check

Luminance is considered uniform only if the ratio of lowest to highest brightness areas on the screen is not less than 7.5:10.

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
(800 x 600)

Display image: White flat field

Brightness: Cut off point at 24 ft-L

Contrast: Maximum

PROCEDURE

Measure luminance at nine points on the display screen (see figure below).

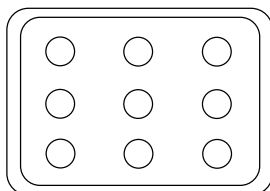


Figure 4-10. Luminance Uniformity Check Locations

4-3-4 Focus Adjustment

CONDITIONS

Scanning frequency: 54 KHz/85 Hz
(800 x 600)

Display image: "H" character pattern

Brightness: Cut off point

Contrast: Maximum

PROCEDURE

1. Adjust the Focus VR on the FBT to display the sharpest image possible.
2. Use Locktite to seal the Focus VR in position.

4-3-5 Color Purity Adjustment

Color purity is the absence of undesired color. Conspicuous mislanding (unexpected color in a uniform field) within the display area shall not be visible at a distance of 50 cm from the CRT surface.

CONDITIONS

Orientation: Monitor facing east

Scanning frequency: 54 KHz/85 Hz

Display image: White flat field

Luminance: Cut off point at the center of the display area

Note: Color purity adjustments should only be attempted by qualified personnel.

PROCEDURE

For trained and experienced service technicians only.

Use the following procedure to correct minor color purity problems:

1. Make sure the display is not affected by external magnetic fields.
2. Make sure the spacing between the PCM assembly and the CRT stem is $29 \text{ mm} \pm 1 \text{ mm}$.
3. Display a green pattern over the entire display area.
4. Adjust the purity magnet rings on the PCM assembly to display a pure green pattern.
(Optimum setting: $x = 0.295 \pm 0.015$, $y = 0.594 \pm 0.015$)

Red:	$x = 0.640 \pm 0.015$	$y = 0.323 \pm 0.015$
Green:	$x = 0.295 \pm 0.015$	$y = 0.594 \pm 0.015$
Blue:	$x = 0.142 \pm 0.015$	$y = 0.066 \pm 0.015$

Table 4-2. Color Purity Tolerances
(For 9300K color adjustment: $x = 0.283 \pm 0.015$, $y = 0.298 \pm 0.015$)

5. When you have the PCMs properly adjusted, carefully glue them together to prevent their movement during shipping.

Memo

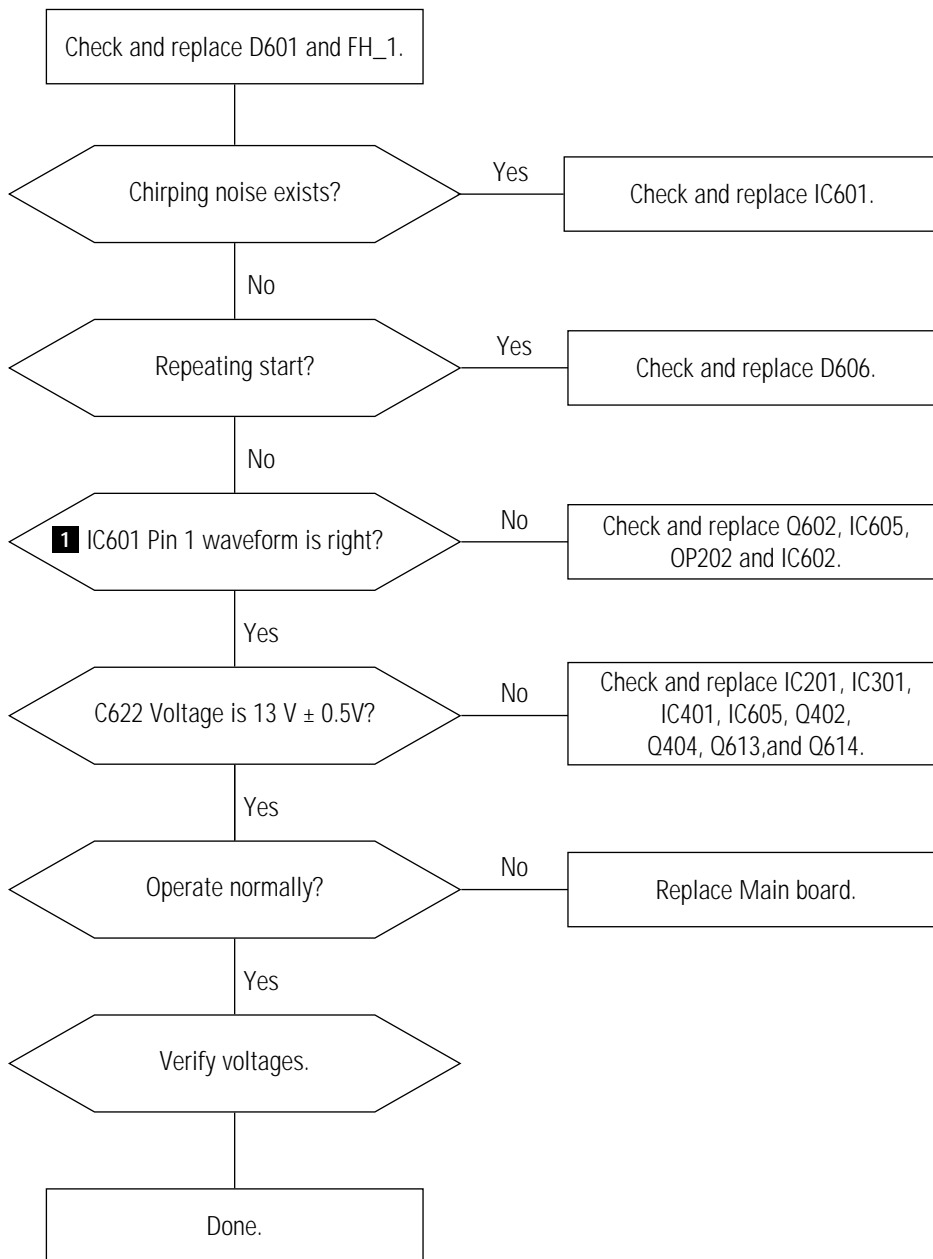
5 Troubleshooting

5-1 Parts Level Troubleshooting

Notes: Check the following circuits.

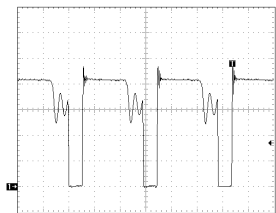
- No raster appears: Power circuit, Horizontal output circuit.
- High voltage develops but no raster appears: Video output circuits.
- High voltage does not develop: Horizontal output circuits.

5-1-1 No Power Supply



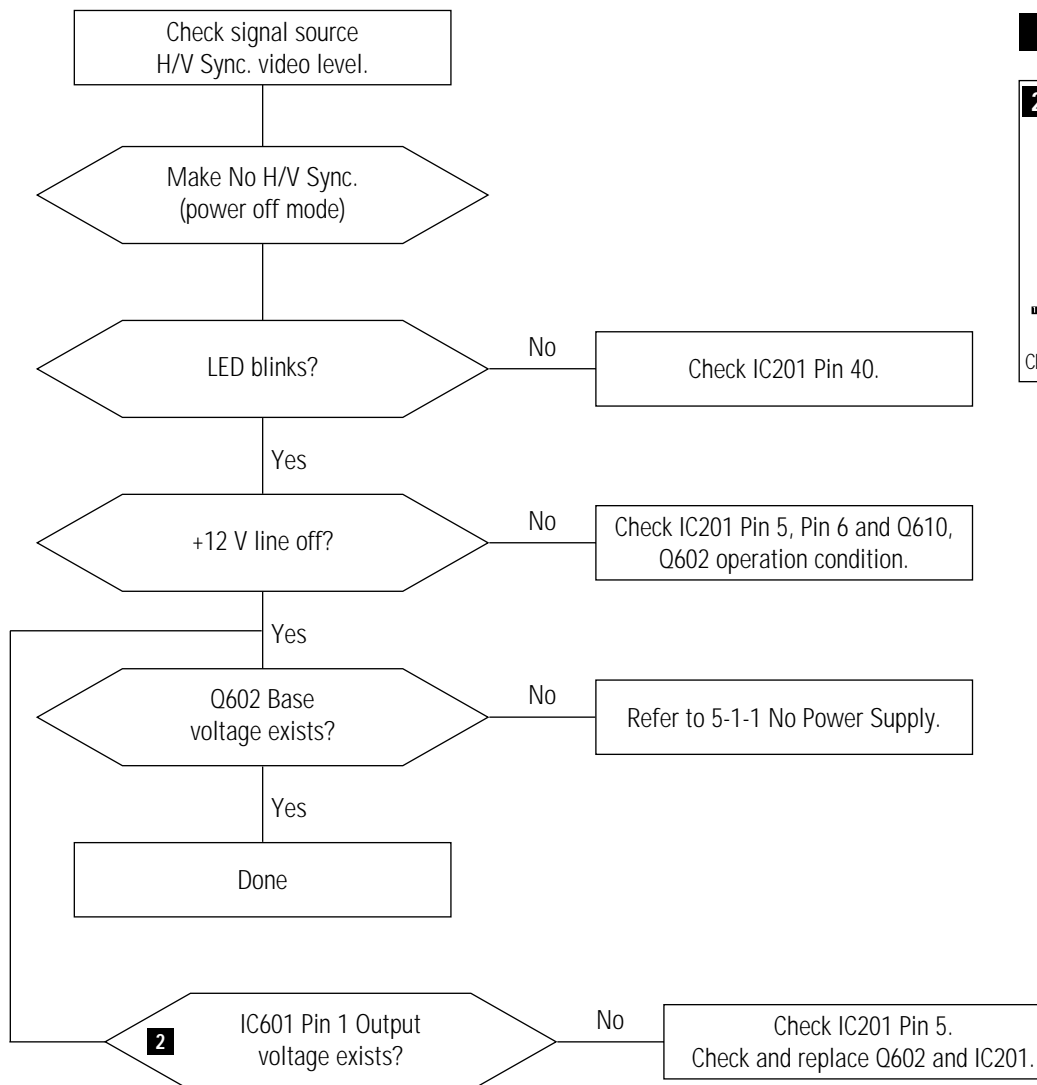
WAVEFORMS

1 100 V (IC601, #1)



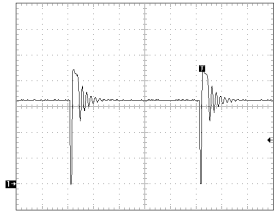
CH1 P-P = 100 V CH1 RMS = 350.2 V

5-1-2 DPMS Failure

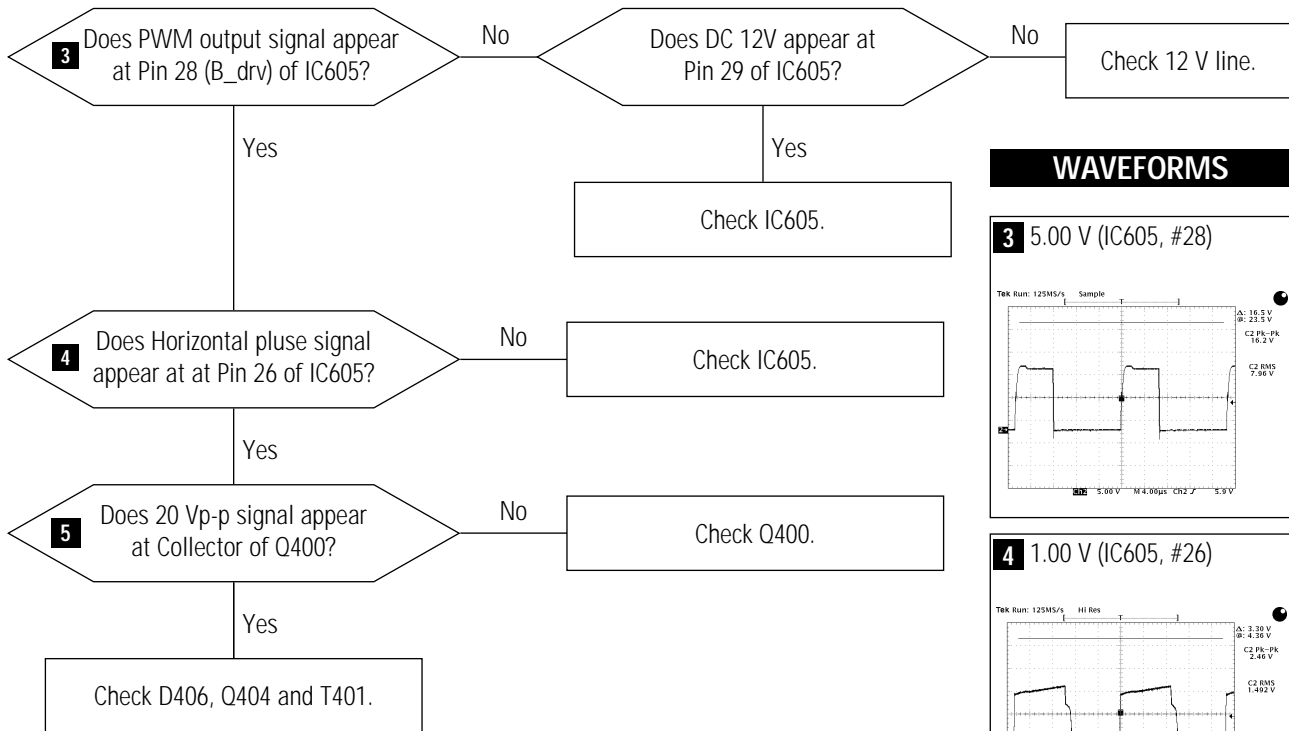
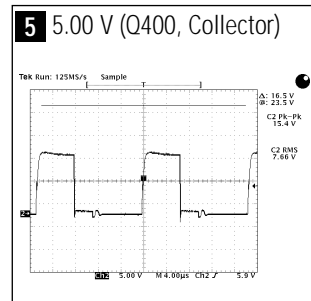
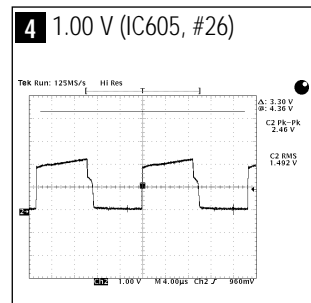
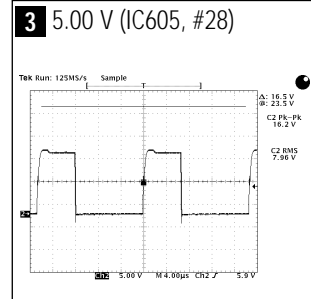
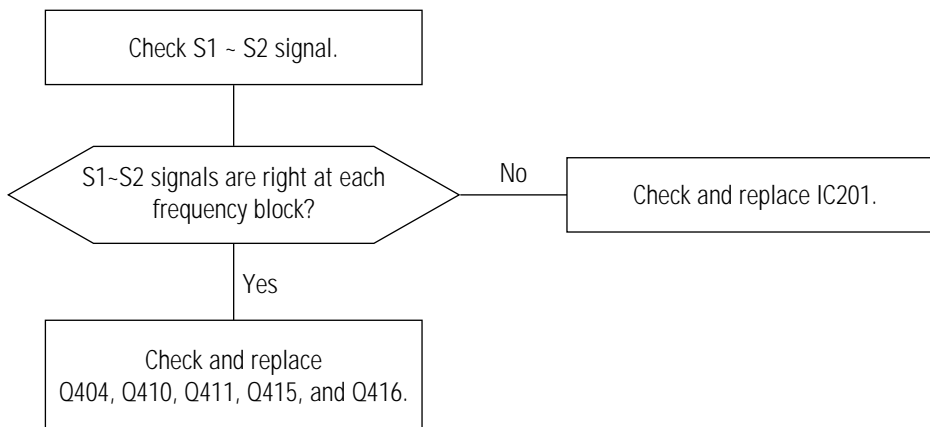


WAVEFORMS

2 100 V (IC601, #1)

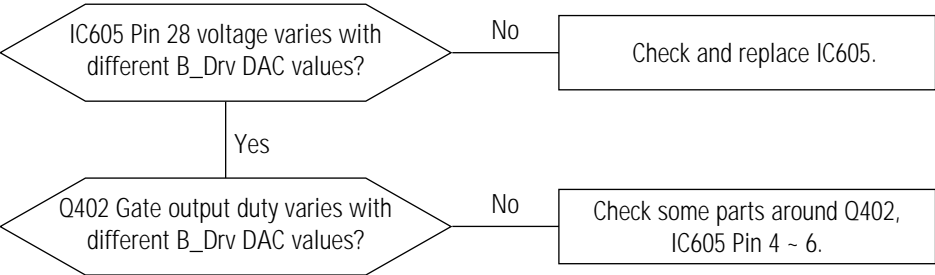


CH1 P-P = 100 V CH1 RMS = 325.8 V

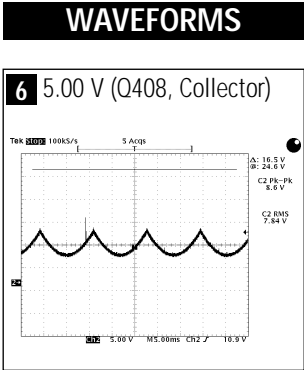
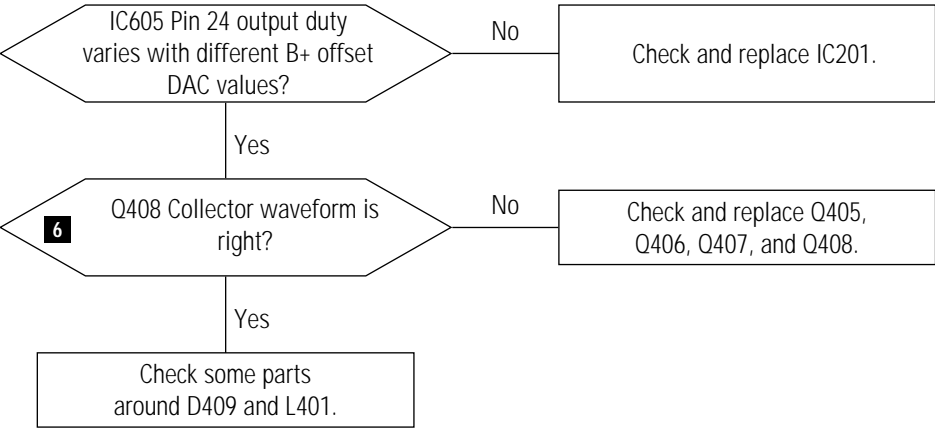
5-1-3 H_Deflection Failure**WAVEFORMS****5-1-4 S Correction Failure**

5-1-5 H_Lin. Failure → Check and replace T402

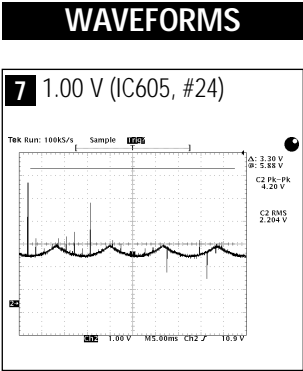
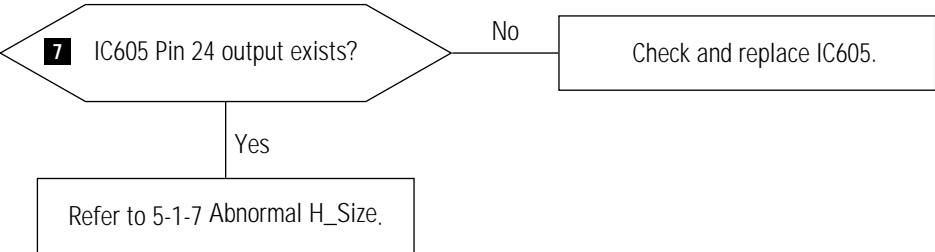
5-1-6 Invariable H_Size



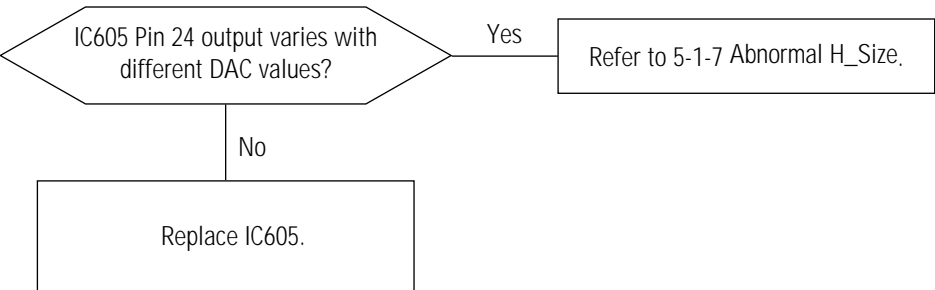
5-1-7 Abnormal H_Size



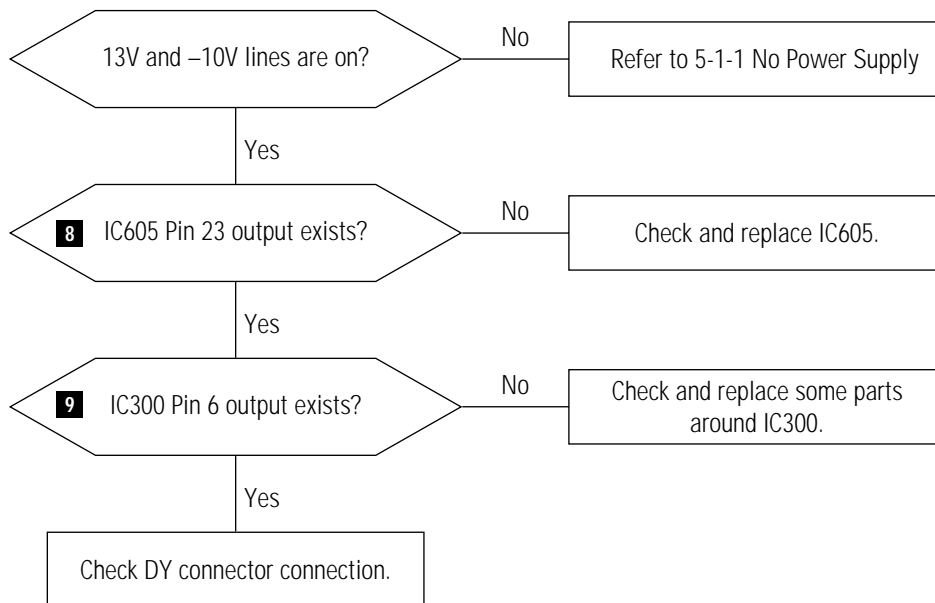
5-1-8 Side Pin or Trap Failure



5-1-9 Para. or Pin Balance Failure

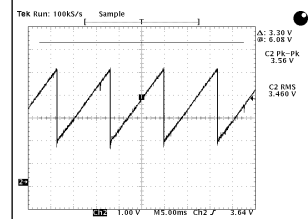


5-1-10 V Deflection Failure

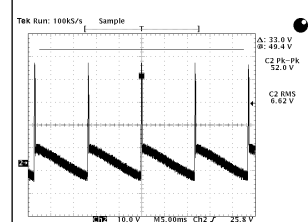


WAVEFORMS

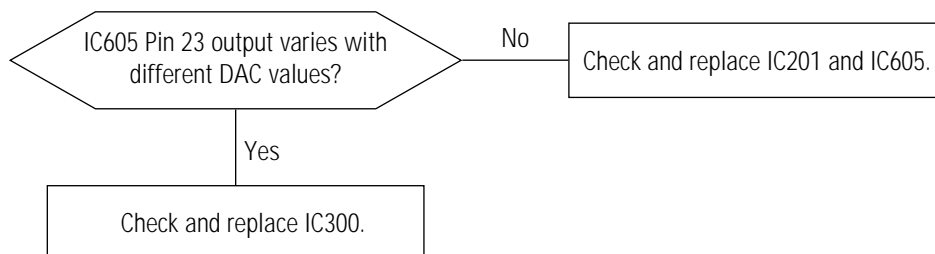
8 1.00 V (IC605, #23)

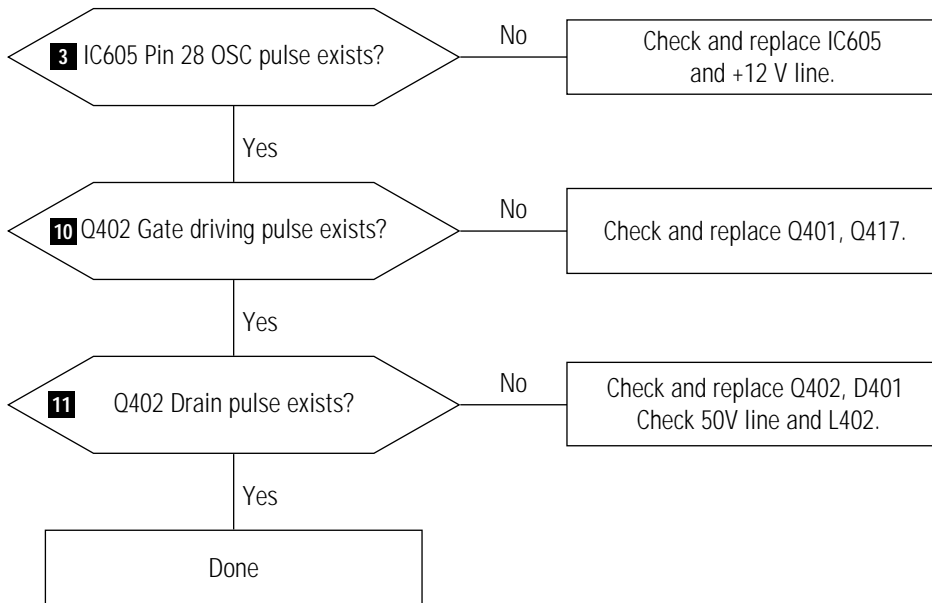
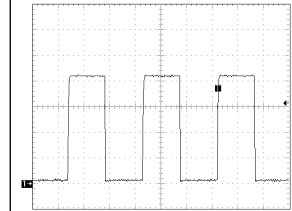
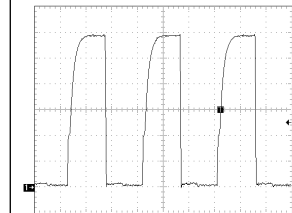
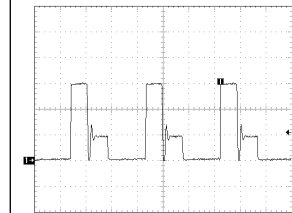
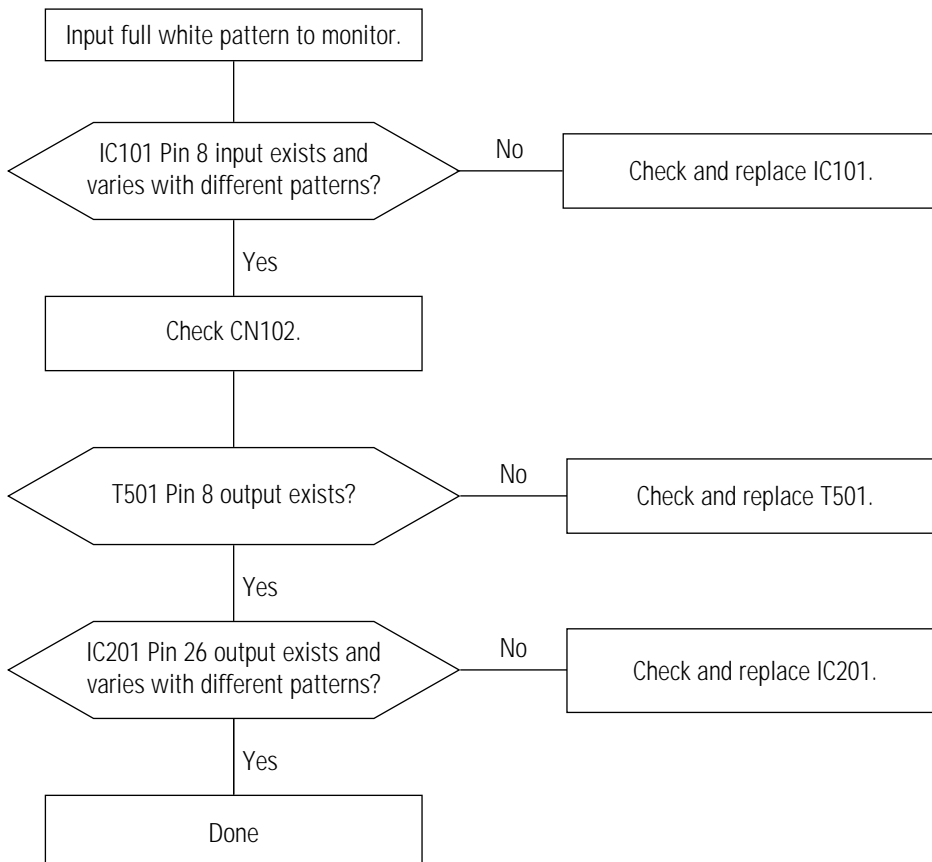


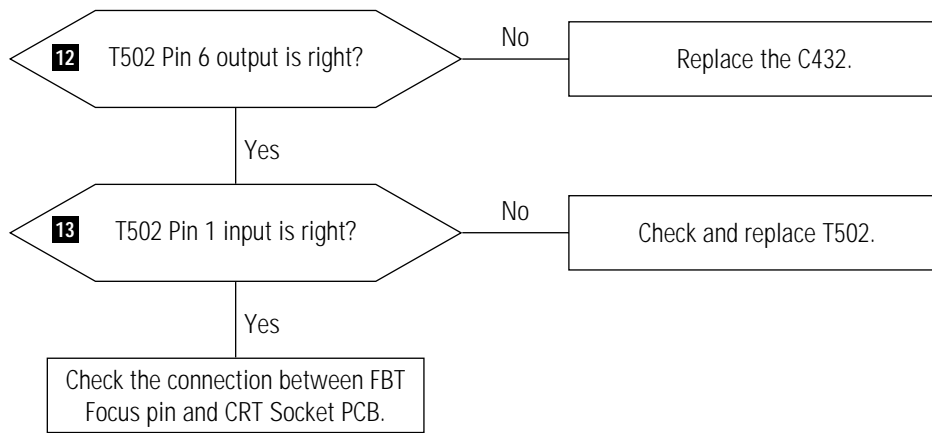
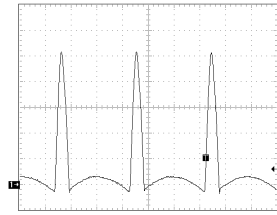
9 10.0 V (IC300, #6)



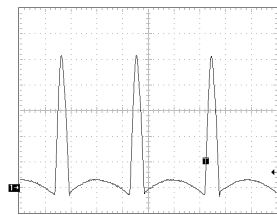
5-1-11 V Size or Position Variation Failure



5-1-12 High Voltage Failure**WAVEFORMS****3** 5.00 V (IC605, #28)**10** 5.00 V (Q402, Gate)**11** 50.0 V (Q402, Drain)**5-1-13 ABL Failure**

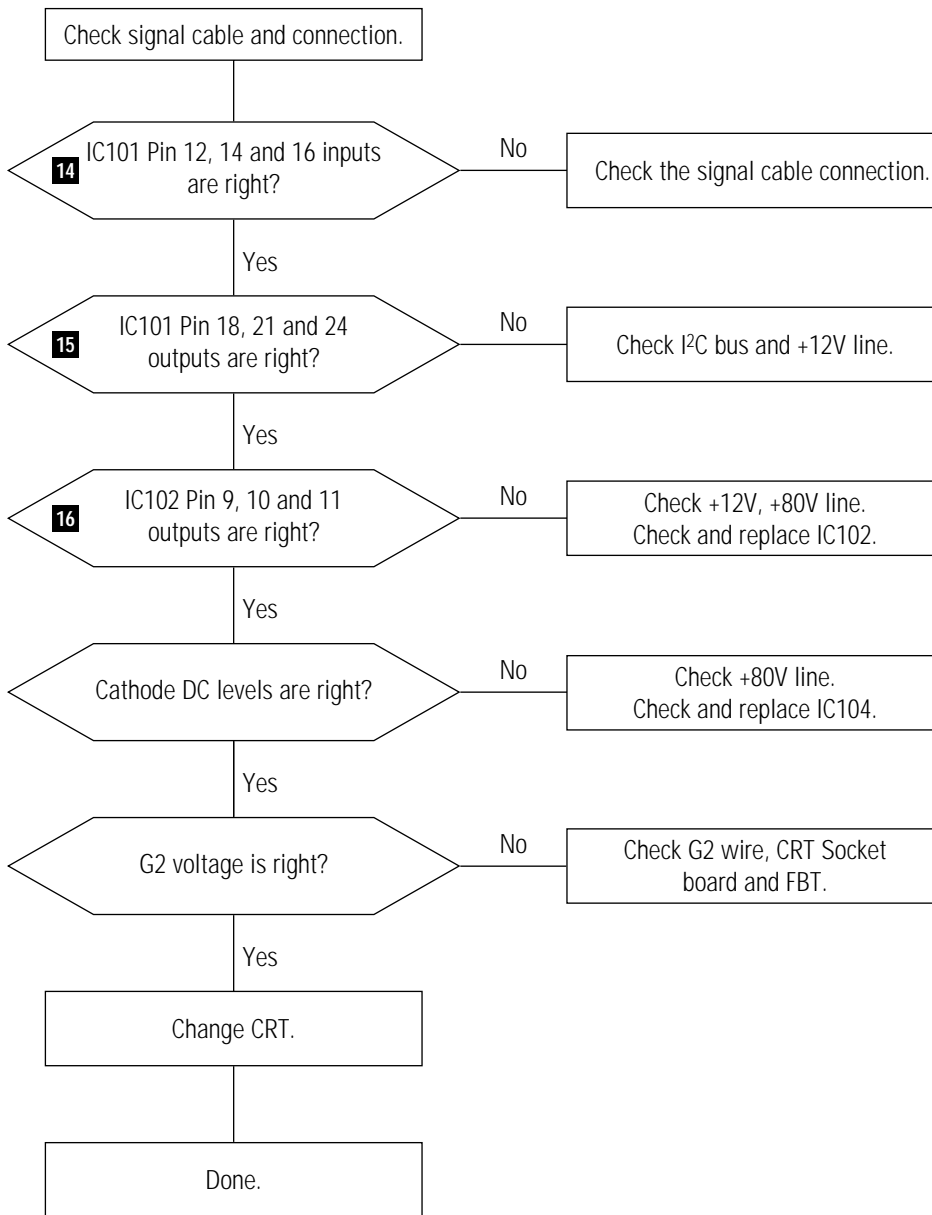
5-1-14 Dynamic Focus Failure (This comonly TSB CRT)**WAVEFORMS****12** 50.0 V (T502, #6)

CH1 P-P = 50.0 V CH1 RMS = 75.6 V

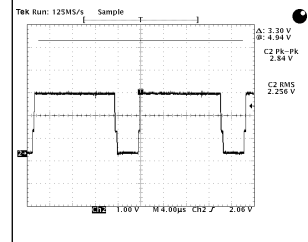
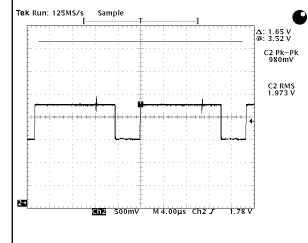
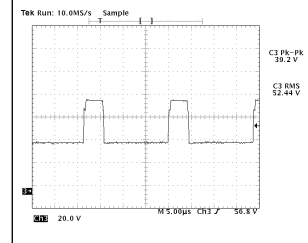
13 100 V (T502, #1)

CH1 P-P = 100V CH1 RMS = 124.0 V

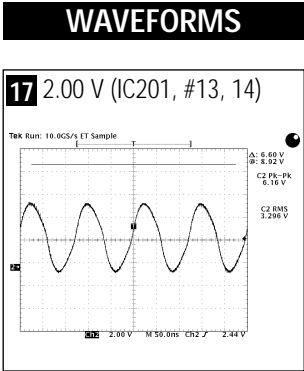
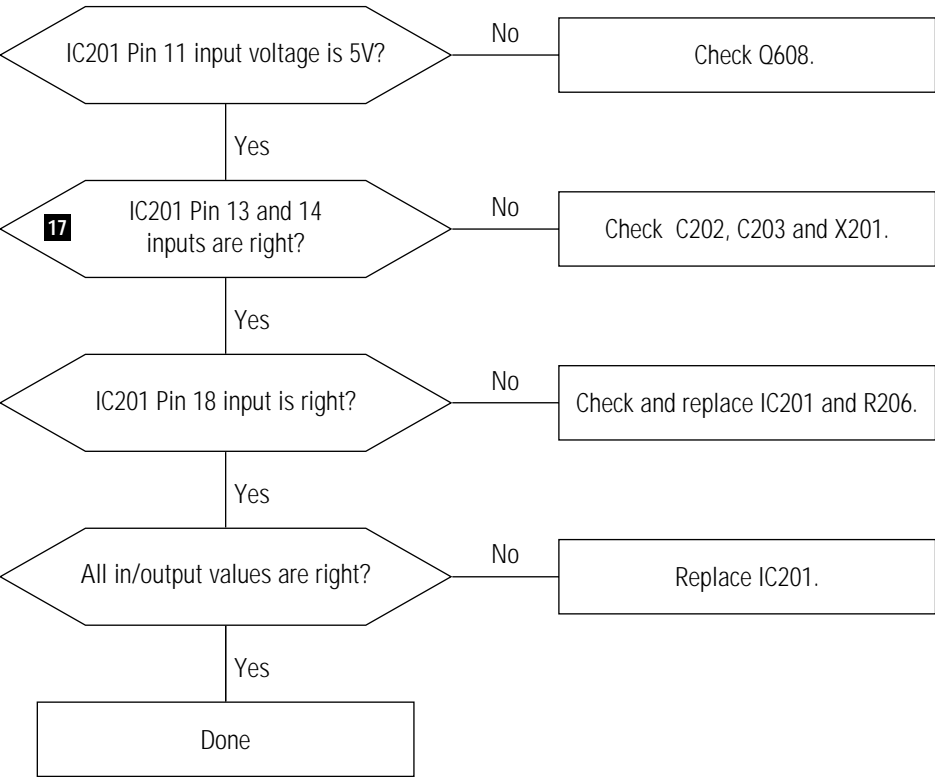
5-1-15 No Video



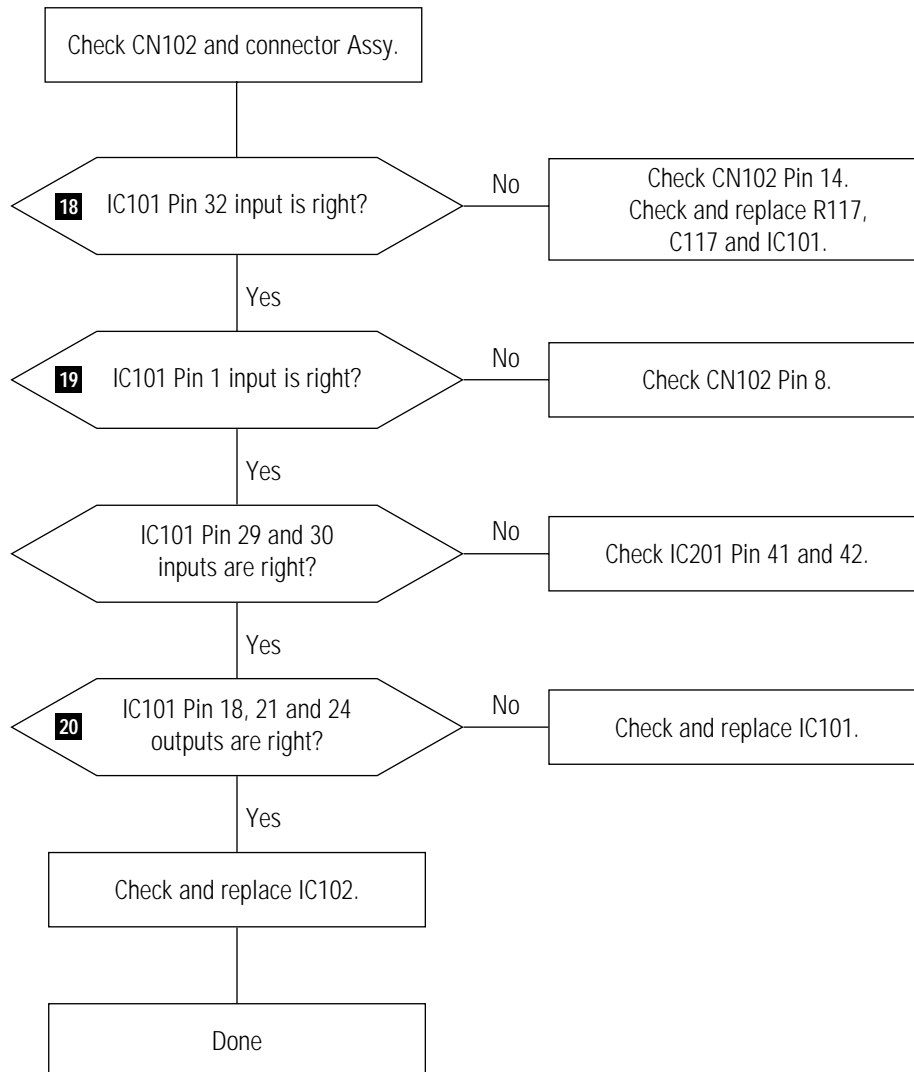
WAVEFORMS

14 1.00 V (IC101 #12,14,16)**15** 0.5 V (IC101 #18,21,24)**16** 20.0 V (IC102, #9,10,11)

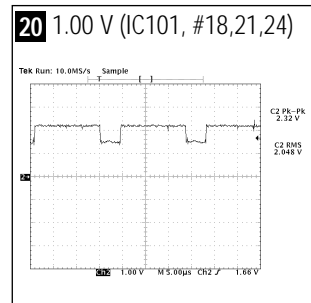
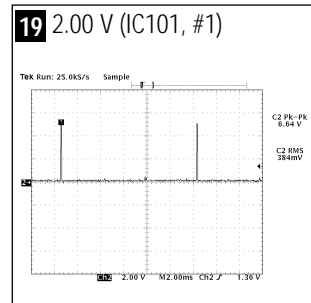
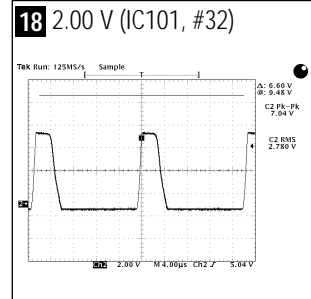
5-1-16 Micom Failure

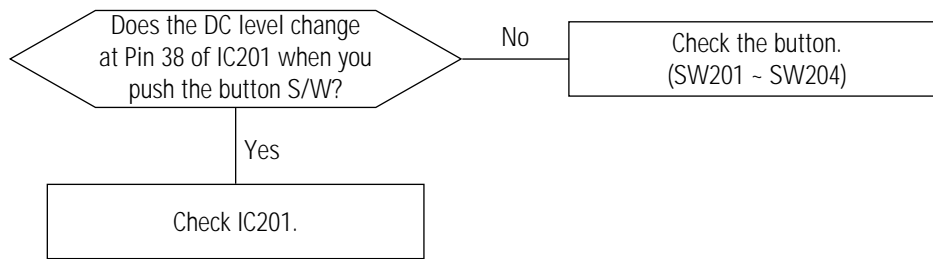
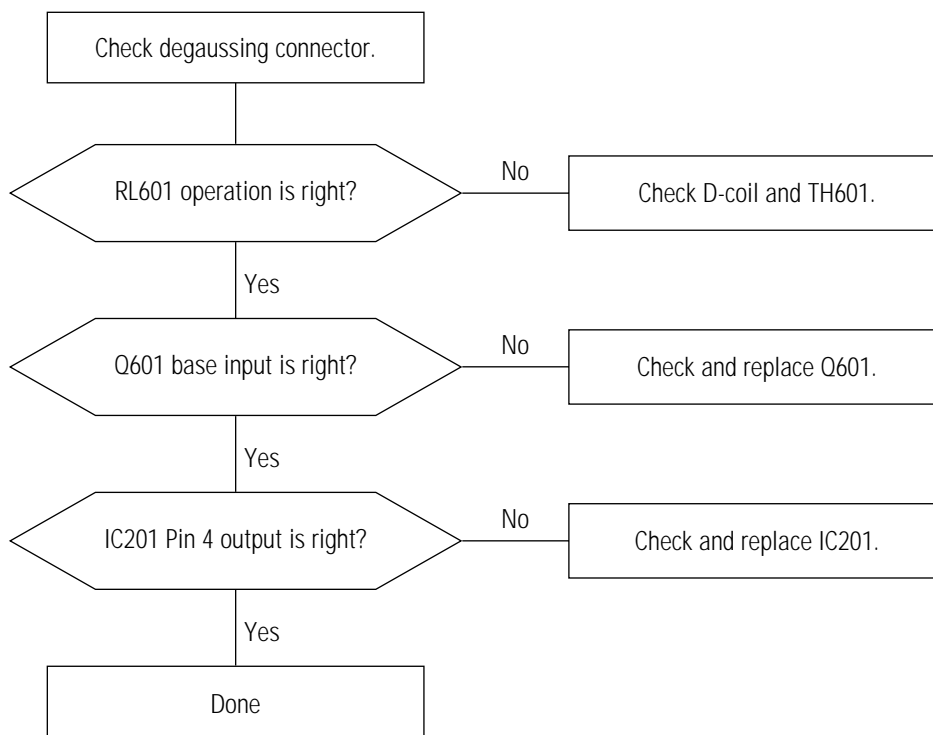


5-1-17 OSD Failure



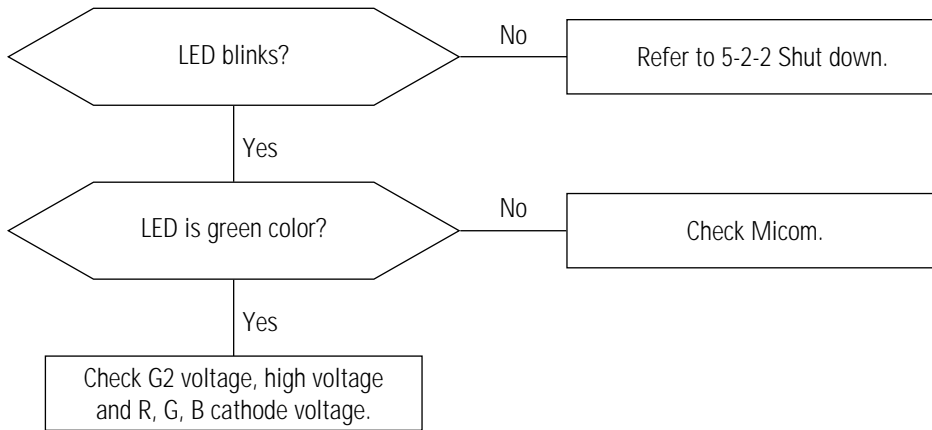
WAVEFORMS



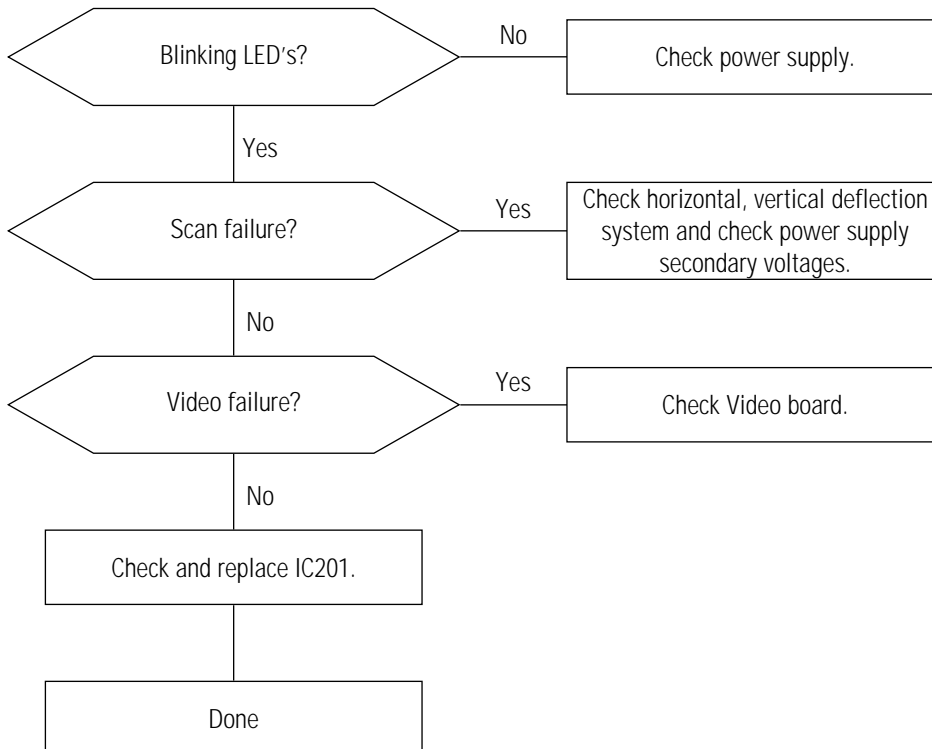
5-1-18 User Control Failure**5-1-19 Degaussing Failure**

5-2 General Troubleshooting

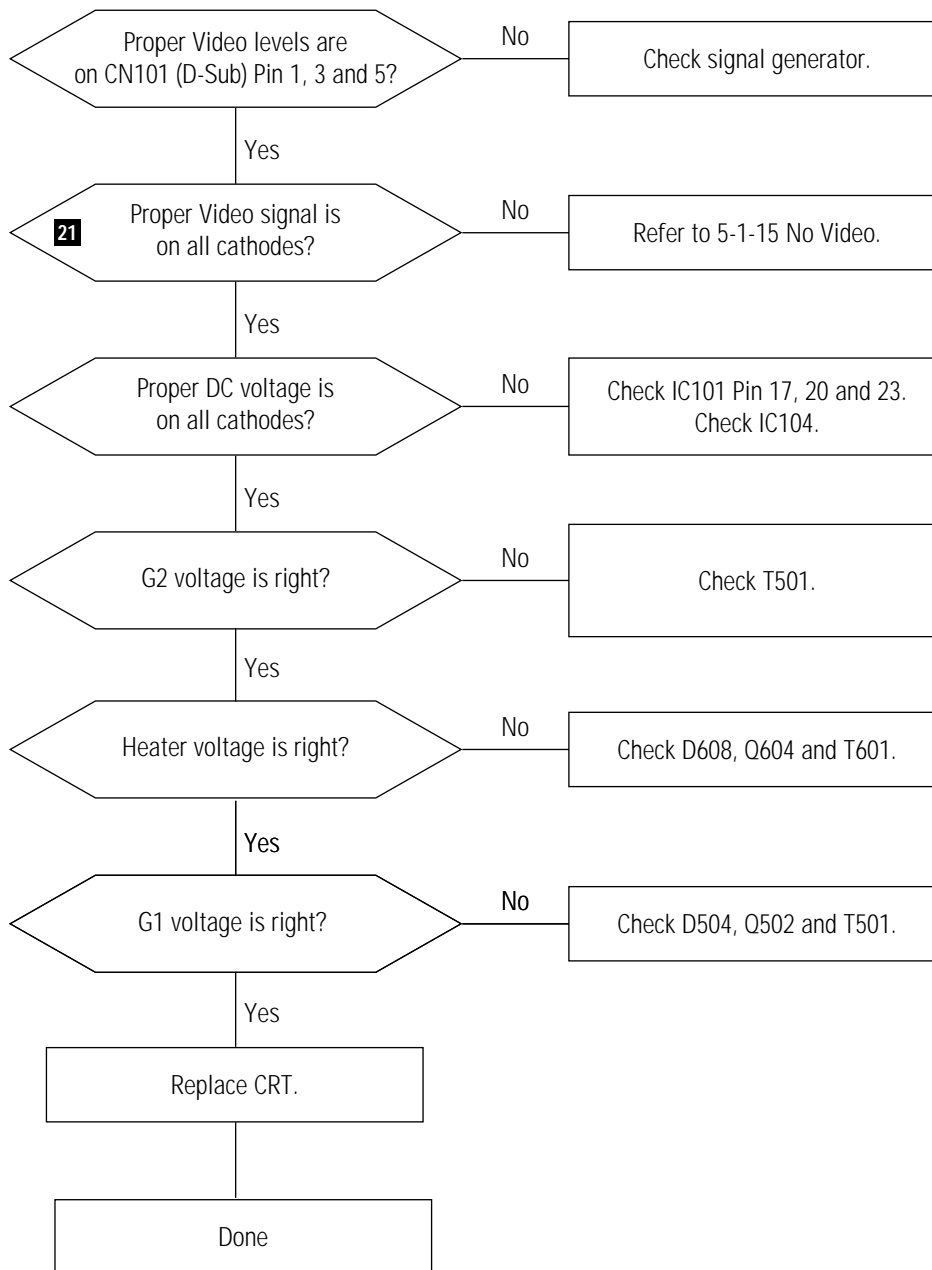
5-2-1 No Picture



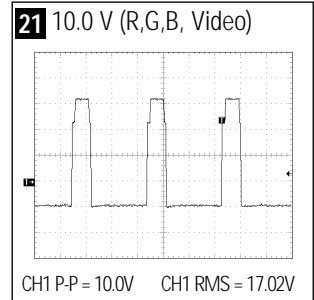
5-2-2 Shut Down



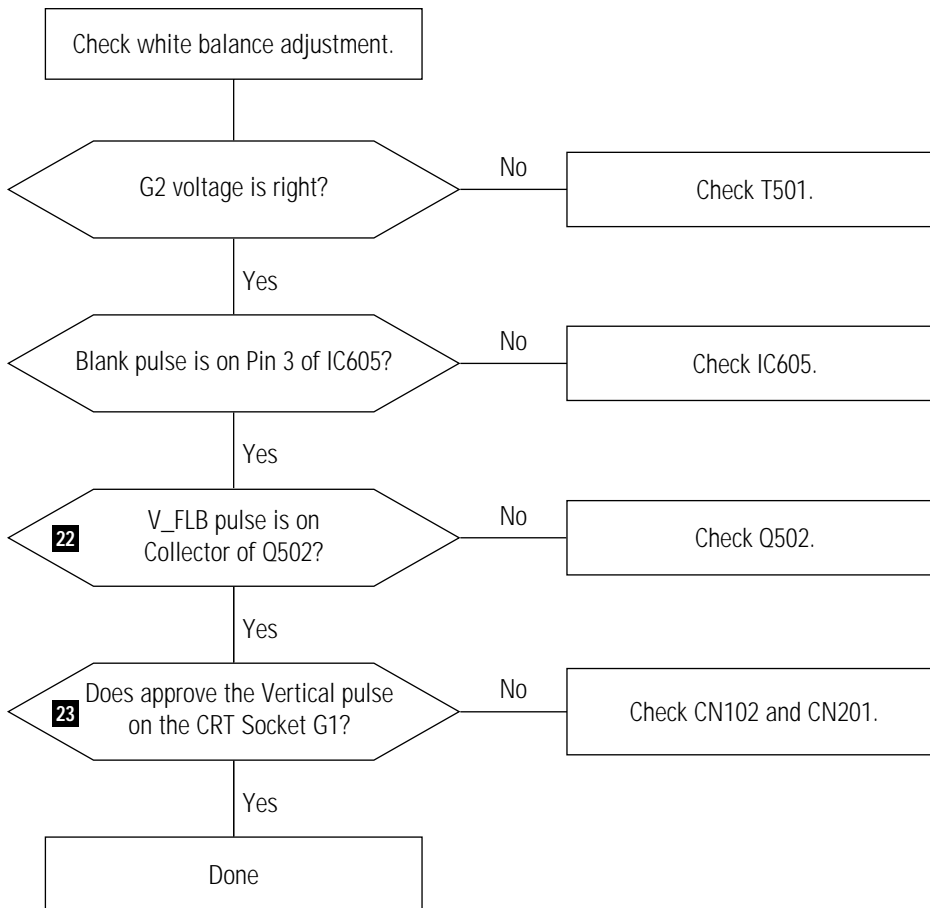
5-2-3 Missing Color



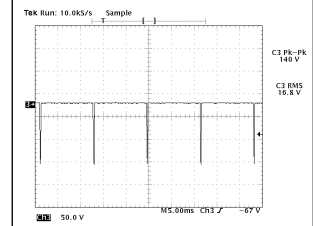
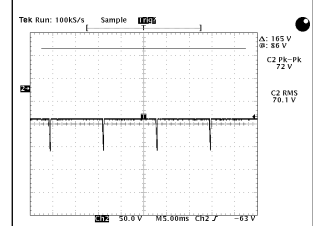
WAVEFORMS

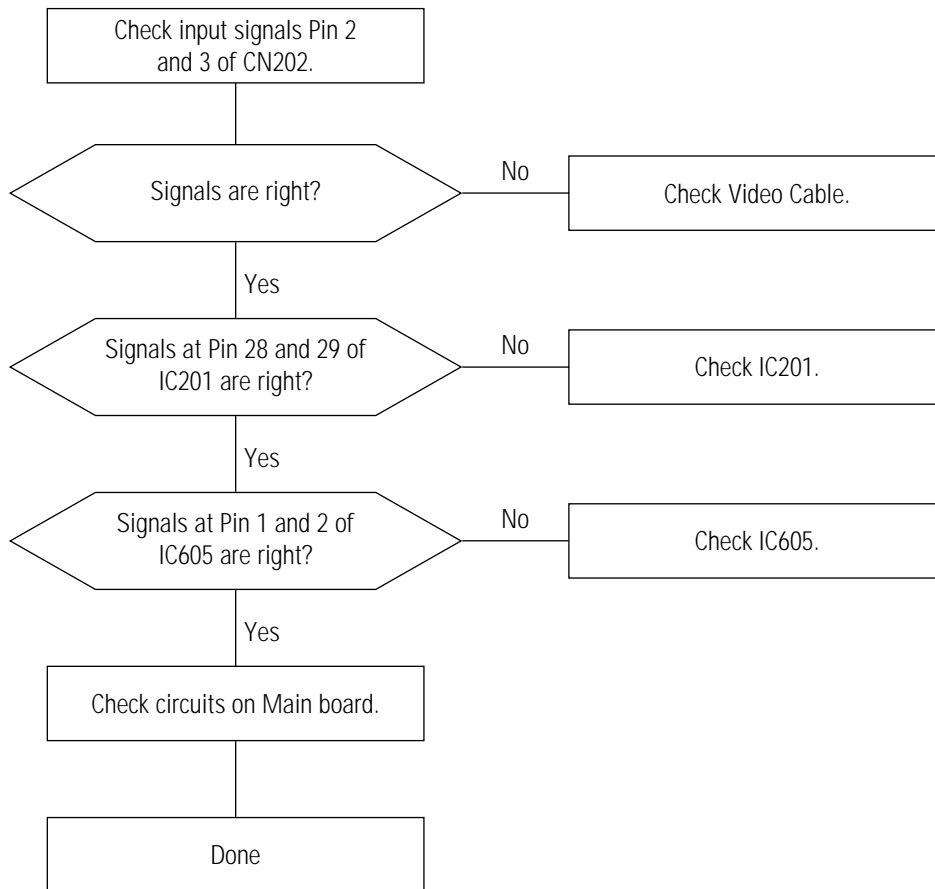


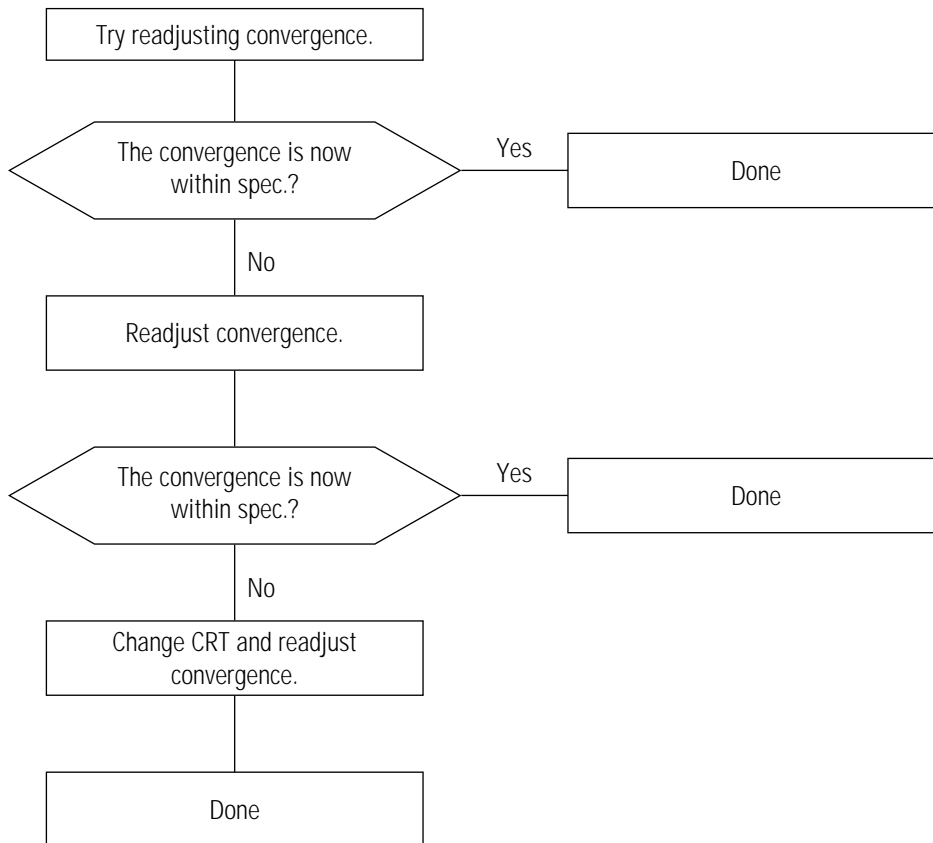
5-2-4 Visible Retrace

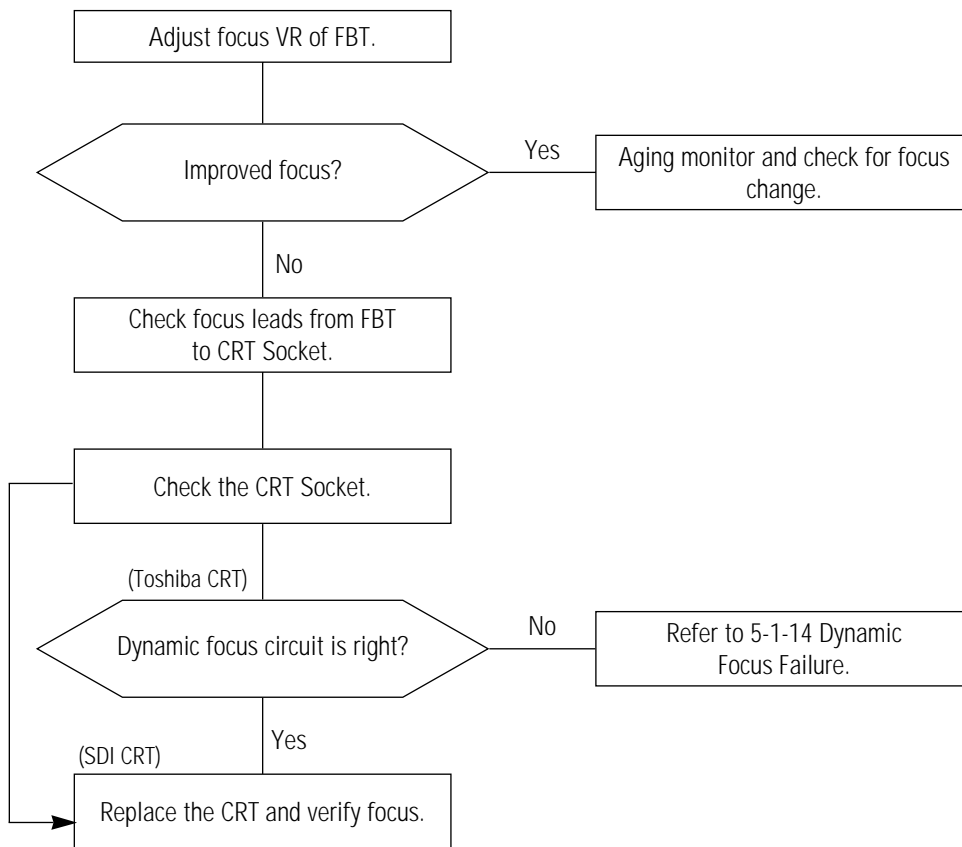
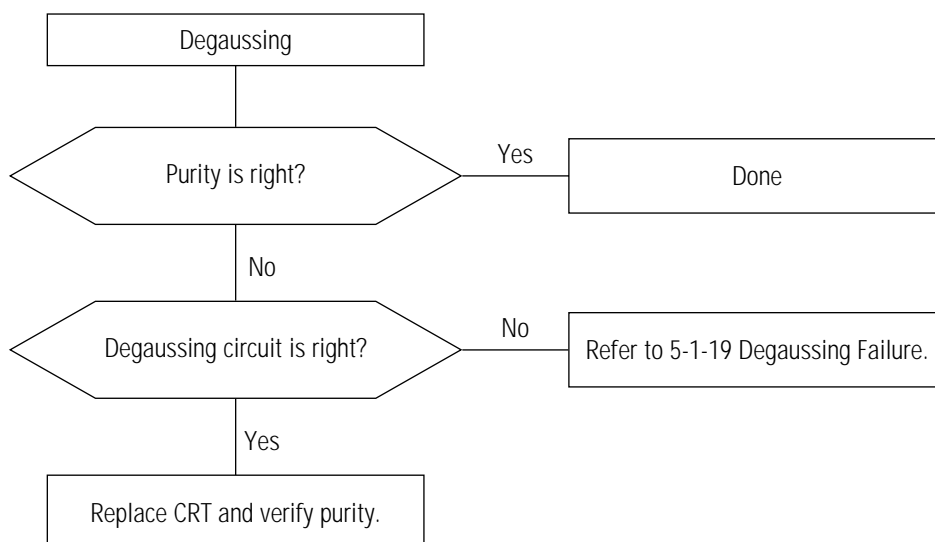


WAVEFORMS

22 5.00 V (Q502, Collector)**23** 50.00 V (CRT Socket, G1)

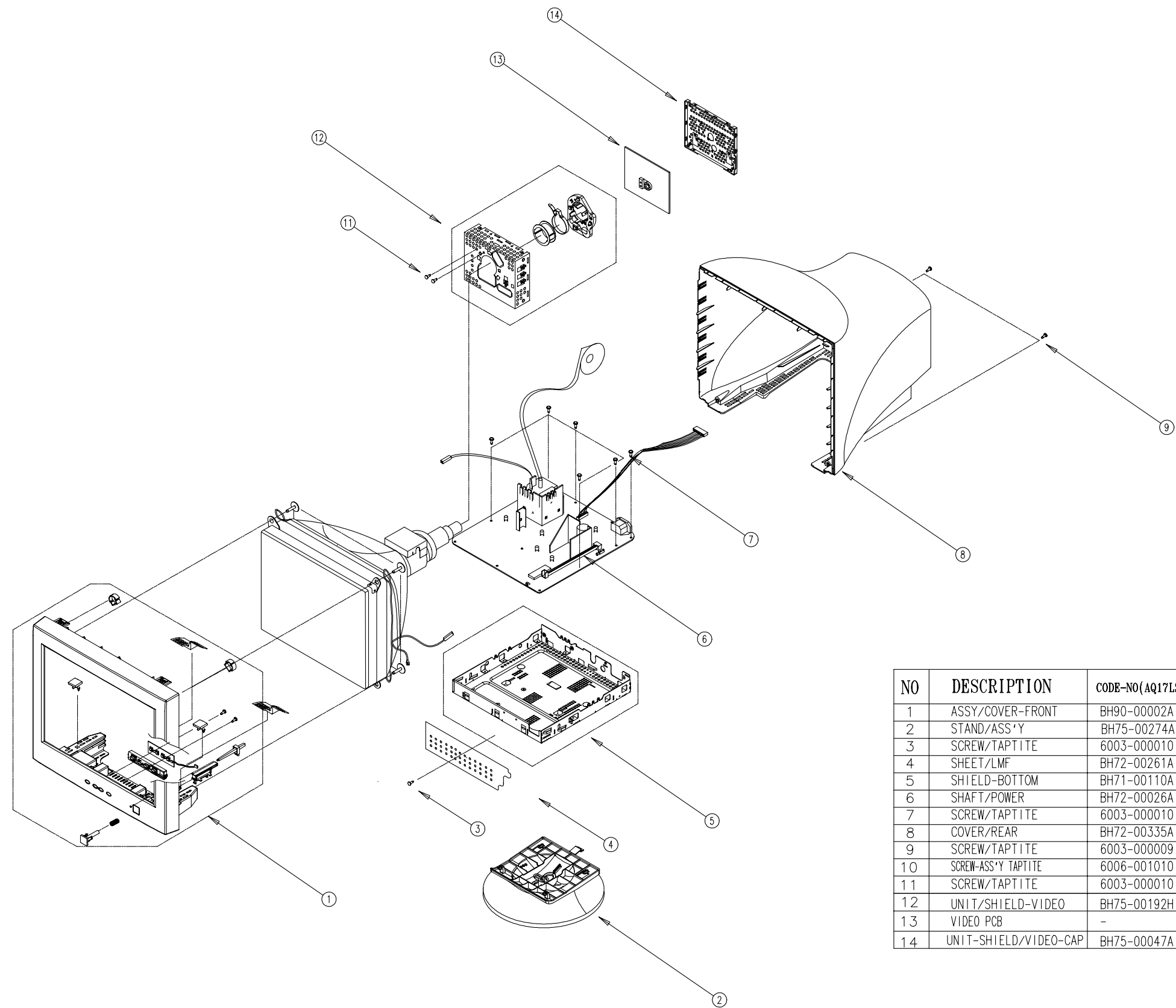
5-2-5 Unsynchronized Image

5-2-6 Misconvergence

5-2-7 Poor Focus**5-2-8 Purity Failure**

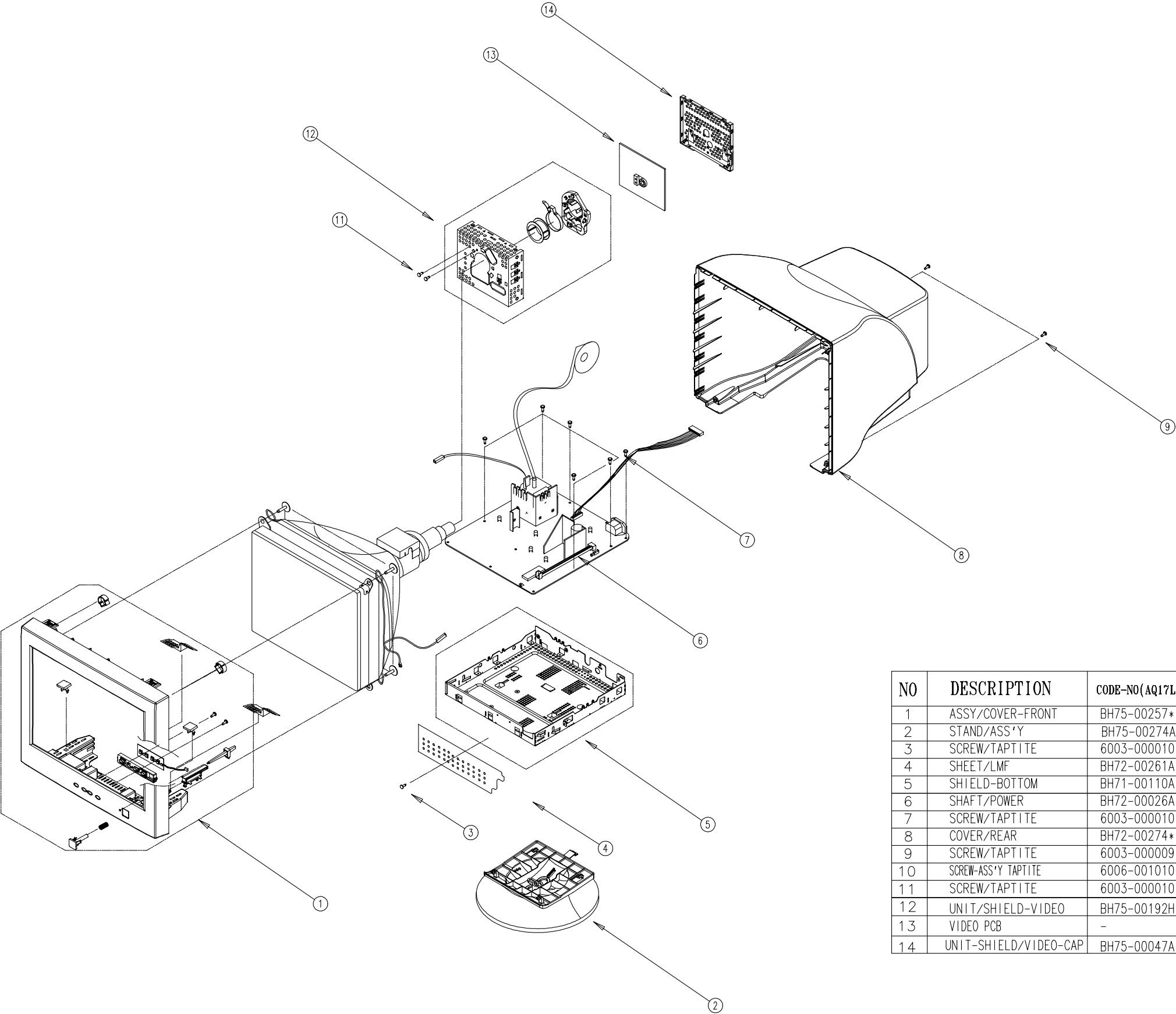
6 Exploded View and Parts List

6-1 AN15VS



NO	DESCRIPTION	CODE-NO(AQ17LS)	SPECIFICATION	Q'TY	REMARK
1	ASSY/COVER-FRONT	BH90-00002A	ABS HB 1V16	1	S A
2	STAND/ASS'Y	BH75-00274A	ABS HB 1V16	1	S A
3	SCREW/TAPTITE	6003-000010	BWH,M3,L10	1	S A
4	SHEET/LMF	BH72-00261A	AL+PET	1	S N A
5	SHIELD-BOTTOM	BH71-00110A	SECC T1.0	1	S N A
6	SHAFT/POWER	BH72-00026A	ABS PC 5V 1V16	1	S N A
7	SCREW/TAPTITE	6003-000010	BWH,M3,L10	5	S A
8	COVER/REAR	BH72-00335A	ABS HB 1V16	1	S N A
9	SCREW/TAPTITE	6003-000009	BH,M4,L16	2	S A
10	SCREW-ASS'Y TAPTITE	6006-001010	WPP,BH,D5,L25	4	S A
11	SCREW/TAPTITE	6003-000010	BWH,M3,L10	2	S A
12	UNIT/SHIELD-VIDEO	BH75-00192H	SPTE T0.3	1	S N A
13	VIDEO PCB	-	AN15VS/VT	1	-
14	UNIT-SHIELD/VIDEO-CAP	BH75-00047A	SPTE T0.3	1	S N A

6-2 AN15VT



NO	DESCRIPTION	CODE-NO(AQ17LS)	SPECIFICATION	Q'TY	REMARK
1	ASSY/COVER-FRONT	BH75-00257*	ABS HB IV16	1	S A
2	STAND/ASS'Y	BH75-00274A	ABS HB IV16	1	S A
3	SCREW/TAPTITE	6003-000010	BWH,M3,L10	1	S A
4	SHEET/LMF	BH72-00261A	AL+PET	1	S N A
5	SHIELD-BOTTOM	BH71-00110A	SECC T1.0	1	S N A
6	SHAFT/POWER	BH72-00026A	ABS PC 5V IV16	1	S N A
7	SCREW/TAPTITE	6003-000010	BWH,M3,L10	5	S A
8	COVER/REAR	BH72-00274*	ABS HB IV16	1	S N A
9	SCREW/TAPTITE	6003-000009	BH,M4,L16	2	S A
10	SCREW-ASS'Y TAPTITE	6006-001010	WPP,BH,D5,L25	4	S A
11	SCREW/TAPTITE	6003-000010	BWH,M3,L10	2	S A
12	UNIT/SHIELD-VIDEO	BH75-00192H	SPTT T0.3	1	S N A
13	VIDEO PCB	-	AN15VS/VT	1	-
14	UNIT-SHIELD/VIDEO-CAP	BH75-00047A	SPTT T0.3	1	S N A

7 Electrical Parts List

7-1 Main PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
-	BH94-00827C	ASSY PCB MAIN	AN15VS	SNA
AN_LABEL	BH68-00446D	LABEL	AN-STICKER,ART-PAPER 100G,15,15,BLACK,YELLOW	
C409	2306-000248	C-FILM,MPPF	680nF,5%,250V,BK,26.5x16.5mm,2	
C419	2301-001206	C-FILM,PPF	4.4nF,5%,2.5KV,BK,29x21x13,20	△
C601	2301-001195	C-FILM,MPPF	150nF,10%,275VAC,BK,26x16.5x7,	
C602	2301-001195	C-FILM,MPPF	150nF,10%,275VAC,BK,26x16.5x7,	
C608	2401-003392	C-AL	180uF,20%,450V,GP,BK,25x45,10	
CIS	BH39-00405A	CBF SIGNAL	AN15/17**,15P/06P,07P,20276-N,1500MM,UL20276,IVORY,D-SUB/MALE,ATT. TYPE	
CIS1	0201-001096	ADHESIVE-HM	#3748,YEL,8500CPS,-	SNA
CIS11	BH71-00110A	SHIELD BOTTOM	PN15VT,SECC,T1.0	SNA
CIS12	BH68-00001A	LABEL-MARK CDT	ART-PAPER 100G,-,WHT,BLK,-,ALL,CDT	SNA
CIS13	BH72-00025A	GUIDE-POWER	CDA4507,ABS,V0,IV16	SNA
CIS14	BH72-00026A	SHAFT-POWER	CDA4507,ABS,V0,IV16	SNA
CIS15	BH72-00261A	SHEET ABS-LMF	IB10LO,AL+PET,-,-,-,-,-,-,-	SNA
CIS16	BH73-60304C	RUBBER-SUPPORT	DP15LT,CR V0,GRAY,-,14*7*10,-,-	SNA
CIS2	0202-001044	SOLDER-WIRE	S63S-W3.0,S63S,D3,63Sn/37Pb,-	SNA
CIS21	6502-000001	CABLE CLAMP	DAWH-5NB,D15,L35,NYLON66,NTR	SNA
CIS22	6502-000001	CABLE CLAMP	DAWH-5NB,D15,L35,NYLON66,NTR	SNA
CIS3	0202-001046	SOLDER-WIRE FLUX	CF-110VH-2A,-,-,-,-	SNA
CIS31	BH39-00323D	LEAD CONNECTOR-ASSY	OT17LO,8.0*0.16TA*16,35068-9822,35750-1010,BK,150MM,8.0*0.16TA*16	
CIS4	0202-001222	SOLDER-WIRE FLUX	RS-107,RS60-1.2AA,D1.2,SN60/PB40,-	SNA
CIS5	0204-001095	THINNER	#4520,-,-,-	SNA
CN201	3711-003895	CONNECTOR-HEADER	BOX,13P,1R,2mm,STRAIGHT,SN	SNA
CN202	3711-003873	CONNECTOR-HEADER	BOX,7P,1R,2mm,STRAIGHT,SN	SNA
CN404	3711-003989	CONNECTOR-HEADER	NOWALL,4P,1R,8mm,STRAIGHT,SN	SNA
CN502_WIRE	BH39-00401A	LEAD CONNECTOR-ASSY	DT15LT,UL1007#22,UL/CSA,3(2)P,BLK,#22,YBNH250-03,BK,170MM,1007#22	
CN601	3721-001053	PLUG-AC POWER	3P,-,-,NI	
CN604	BH39-00288A	CBF HARNESS	PN17LO,UL1007,UL/CSA,2P/2P,130MM,BLU/WHT,AWG26,YBNH200,SMP250,-,-,-,-,-,-,-,CBF-CO	
D406	0402-001025	DIODE-RECTIFIER	ERD07-15,1.5KV,1.5A,-,TP	
D409	0402-001295	DIODE-RECTIFIER	GUR460L-5700,600V,4A,DO-201AD,BK	
D601	0402-000103	DIODE-BRIDGE	D2SBA60,600V,1.5A,SIP-4,ST	
D608	0402-000016	DIODE-RECTIFIER	UF5404,400V,3A,DO-201AD,TP	
D609	0402-001295	DIODE-RECTIFIER	GUR460L-5700,600V,4A,DO-201AD,BK	
FBT_CORE	3301-000233	CORE-FERRITE	ZZ,18x9.5x28mm,-,-	SNA
FBT+H/S	6003-000122	SCREW-TAPTITE	BH,+B,M4,L12,ZPC(YEL),SWRCH18	SNA
FUSE	3601-001302	FUSE-AXIAL LEAD	250V,3.15A,SLOW-BLOW,CERAMIC,5X20MM	SNA
IC_SOCKET	3704-001071	SOCKET-IC	42P,DIP,SN,1.778mm	
IC605	1204-002013	IC-DEF. PROCESSOR	STV6888,DIP,32P,400MIL,PLASTIC,13.2V,-,0TO+70C,ST,100KHZ	
L401	BH27-00131A	COIL CHOKE	150UH,AN17K,150UH,10%,0.35OHM,2.5A,AR8X25,72.5TS,18X39MM,11MM,BK	
L402	BH27-00131A	COIL CHOKE	150UH,AN17K,150UH,10%,0.35OHM,2.5A,AR8X25,72.5TS,18X39MM,11MM,BK	
L403	BH27-20342U	COIL-CHOKE	-8.2MH(250KHz),10%,DR8*11,-,-,-,-,-,10.5OHM,-,-,-,-,BULK	
L601	BH29-00002A	FILTER LINE NOISE	AN15VS,20MH,0.42OHM,1.5KV,20MH,22X17X34MM,220V,TR,20MH,100MOHM,-,10CTO+85C	
OP201	0601-001147	LED	ROUND,GRN,4.75mm,565nm	SNA
OP202	0604-001018	PHOTO-COUPLER	DAR-TR,63-125%,200mW,DIP-4,ST	SNA
Q410	0505-001676	FET-SILICON	IRFU230B,N,200V,7.5A,0.4OHM,2.5W,I-PAK	
Q411	0505-001675	FET-SILICON	IRF630B,N,200V,9A,0.4OHM,72W,TO-220	
RL601	3501-001111	RELAY-POWER	12Vdc,250mW,5A,1FormA,15mS,5mS	
SH/B+AC/SK	6003-000010	SCREW-TAPTITE	BWH,+B,M3,L10,ZPC(YEL),SWRCH1	SNA
SH/B+GND	6003-000010	SCREW-TAPTITE	BWH,+B,M3,L10,ZPC(YEL),SWRCH1	SNA
SH/B+PCB	6003-000010	SCREW-TAPTITE	BWH,+B,M3,L10,ZPC(YEL),SWRCH1	SNA
SH/B+SH/LM	6003-000010	SCREW-TAPTITE	BWH,+B,M3,L10,ZPC(YEL),SWRCH1	SNA
SW601	3403-001132	SWITCH-PUSH	30VDC,0.3A,DPST,SELF LOCK,-	
T401	BH26-00027A	TRANS-HOR.DRIVE	-,-,-,-,-,-,-,-,-,PL-3,EI 1916,310uH,-,-,-	△
T402	BH27-00137A	COIL LINEARITY	7.5UH,7.5UH,DR12X15,7MM,15X15X37MM,12X9T,27TS,TR,12%,0.03OHM,USTC0.12X30	
T501	BH26-00140A	TRANS FBT	FQM15A009,AN15VS,1.95MH,SM19C,FUR3757SU,0.65 OHM,162.0,12P,-10 -60,BK,26.0KV	△
T601	BH26-00145A	TRANS SWITCHING	EER3638,AN15V,90-264V,PL-3,DMR30,EER3638,350UH	
T602	BH26-00141A	TRANS-SYNC	AR0615(L-81),AN17L,5P,200UH,200UH,1.30 OHM,L-81,AR0630, BAR,18*13*18.5,BK	
TH601	1404-001264	THERMISTOR-PTC	4.5OHM,+30/-20%,220V,290VAC,21A,-,TR	

Loc. No.	Code No.	Description	Specification	Remarks
TH602	1404-001020	THERMISTOR-NTC	8ohm,15%,-,17mW/C,BK	
CIS9	BH97-00330G	ASSY MICOM	AN15VS	
IC201	0903-001194	IC-MICROCONTROLLER	3P863,8Bit,SDIP,42P,600MIL,12MHz,ST,CMOS,PLASTIC,5V,-,40to+85C,1040BYTE,48KBYTE	
CIS	BH46-00005V	S/W MICOM	AN15VS	SNA
-	BH97-00351A	ASSY AUTO-MAIN	AN15VS	SNA
BD401	3301-001450	CORE-FERRITE BEAD	AA,450HM,3.5X0.6X5.7MM,50MA,TP,SN-20(UI2000),-	SNA
BD402	3301-001450	CORE-FERRITE BEAD	AA,450HM,3.5X0.6X5.7MM,50MA,TP,SN-20(UI2000),-	SNA
BD403	3301-001450	CORE-FERRITE BEAD	AA,450HM,3.5X0.6X5.7MM,50MA,TP,SN-20(UI2000),-	SNA
BD406	3301-001450	CORE-FERRITE BEAD	AA,450HM,3.5X0.6X5.7MM,50MA,TP,SN-20(UI2000),-	SNA
BD410	3301-001450	CORE-FERRITE BEAD	AA,450HM,3.5X0.6X5.7MM,50MA,TP,SN-20(UI2000),-	SNA
BD411	3301-001450	CORE-FERRITE BEAD	AA,450HM,3.5X0.6X5.7MM,50MA,TP,SN-20(UI2000),-	SNA
BD601	3301-001450	CORE-FERRITE BEAD	AA,450HM,3.5X0.6X5.7MM,50MA,TP,SN-20(UI2000),-	SNA
BD602	3301-001450	CORE-FERRITE BEAD	AA,450HM,3.5X0.6X5.7MM,50MA,TP,SN-20(UI2000),-	SNA
BD603	3301-001450	CORE-FERRITE BEAD	AA,450HM,3.5X0.6X5.7MM,50MA,TP,SN-20(UI2000),-	SNA
BD605	3301-001450	CORE-FERRITE BEAD	AA,450HM,3.5X0.6X5.7MM,50MA,TP,SN-20(UI2000),-	SNA
C201	2401-000010	C-AL	220uF,20%,16V,GP,-,6.3x11mm,2.	
C202	2201-000389	C-CERAMIC,DISC	0.022nF,5%,50V,NP0,TP,5x3,5	
C203	2201-000389	C-CERAMIC,DISC	0.022nF,5%,50V,NP0,TP,5x3,5	
C204	2301-000148	C-FILM,PEF	10nF,5%,100V,TP,7x3.2x7mm,5mm	
C205	2401-000603	C-AL	1uF,20%,50V,GP,TP,5x11,5	
C206	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,TP,2.3X3	
C207	2401-000603	C-AL	1uF,20%,50V,GP,TP,5x11,5	
C209	2401-002075	C-AL	4.7uF,20%,50V,GP,TP,5x11,5	
C210	2401-000603	C-AL	1uF,20%,50V,GP,TP,5x11,5	
C211	2201-000146	C-CERAMIC,DISC	0.1nF,5%,50V,SL,TP,5x3.5,5	
C212	2201-000017	C-CERAMIC,DISC	1nF,10%,50V,Y5P,TP,5x3.5,5	
C213	2301-000010	C-FILM,PEF	100nF,5%,100V,TP,11.5x12.5mm,5	
C214	2401-000025	C-AL	100uF,20%,16V,GP,TP,6.3x11,5	
C215	2201-000146	C-CERAMIC,DISC	0.1nF,5%,50V,SL,TP,5x3.5,5	
C216	2401-002075	C-AL	4.7uF,20%,50V,GP,TP,5x11,5	
C300	2301-000148	C-FILM,PEF	10nF,5%,100V,TP,7x3.2x7mm,5mm	
C301	2301-001049	C-FILM,MPEF	150nF,5%,100V,TP,10.5x5x14.5,5	
C302	2305-000412	C-FILM,MPEF	470nF,5%,63V,TP,-,5mm	
C303	2401-000031	C-AL	47uF,20%,16V,GP,TP,5x11,5	
C304	2305-000004	C-FILM,MPEF	220nF,10%,100V,TP,12.7x16,5mm	
C305	2401-000037	C-AL	470uF,20%,16V,GP,TP,8x11.5,5	
C306	2401-000037	C-AL	470uF,20%,16V,GP,TP,8x11.5,5	
C307	2401-000849	C-AL	220uF,20%,35V,GP,TP,10x12.5,5	
C308	2301-000014	C-FILM,PEF	6.8nF,5%,100V,TP,5.8x12.5mm,5mm	
C310	2201-000017	C-CERAMIC,DISC	1nF,10%,50V,Y5P,TP,5x3.5,5	
C315	2301-000519	C-FILM,PEF	3.3nF,5%,100V,TP,5.8x3x12.5,5mm	
C316	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,TP,2.3X3	
C401	2401-000031	C-AL	47uF,20%,16V,GP,TP,5x11,5	
C402	2305-000665	C-FILM,MPEF	100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C403	2202-000573	C-CERAMIC,MLC-RADIAL	820pF,5%,50V,NP0,TP,5.1x3.2x5.	
C404	2301-000148	C-FILM,PEF	10nF,5%,100V,TP,7x3.2x7mm,5mm	
C405	2201-000471	C-CERAMIC,DISC	0.33nF,10%,50V,Y5P,TP,4x3.5,5	
C406	2301-000203	C-FILM,PEF	2.7nF,5%,100V,TP,7x3.0x6.5mm,5	
C407	2401-000540	C-AL	150uF,20%,63V,LZ,TP,10x25,5	
C408	2201-000469	C-CERAMIC,DISC	0.33nF,10%,500V,Y5P,TP,5.5x3,5	
C410	2401-000025	C-AL	100uF,20%,16V,GP,TP,6.3x11,5	
C411	2301-000005	C-FILM,PEF	33nF,5%,100V,TP,5.8x12.5x3,5	
C412	2301-000016	C-FILM,PEF	22nF,5%,100V,TP,7.2x4.5x9.0mm,	
C413	2401-001012	C-AL	3.3UF,20%,50V,BP,TP,16X25,7.5	
C414	2401-001334	C-AL	470nF,20%,50V,GP,TP,5x11,2.5	
C415	2401-001222	C-AL	4.7UF,20%,160V,WT,TP,8X11.5MM,5	
C416	2301-000010	C-FILM,PEF	100nF,5%,100V,TP,11.5x12.5mm,5	
C421	2303-001029	C-FILM,PPF	5.2nF,5%,630V,TP,19x7x13,7.5	
C426	2401-000603	C-AL	1uF,20%,50V,GP,TP,5x11,5	

Loc. No.	Code No.	Description	Specification	Remarks
C427	2306-000131	C-FILM,MPPF	150nF,5%,250V,TP,19x16x7.5,7.5	
C428	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	
C429	2401-000603	C-AL	1uF,20%,50V,GP,TP,5x11,5	
C430	2301-001162	C-FILM,MPPF	370nF,5%,250V,TP,19x18.5x12.5,	
C431	2306-000179	C-FILM,MPPF	300nF,5%,250V,TP,20x18.5x10.5,	
C432	2305-000310	C-FILM,MPEF	22nF,5%,250V,TP,14.5x8.8mm,7.5	
C433	2305-001003	C-FILM,MPEF	10nF,5%,250V,TP,13x4.5x9mm,7.5	
C434	2201-000132	C-CERAMIC,DISC	0.1nF,10%,500V,Y5P,TP,6.5x3.5	
C435	2201-000229	C-CERAMIC,DISC	0.15nF,10%,2kV,Y5P,TP,6.3x5,7.5	
C436	2201-000672	C-CERAMIC,DISC	0.82nF,10%,500V,Y5P,TP,6.5x3,5	
C440	2401-001914	C-AL	1uF,20%,50V,BP,TP,5x11,5	
C445	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	
C461	2401-002075	C-AL	4.7uF,20%,50V,GP,TP,5x11,5	
C462	2301-000148	C-FILM,PEF	10nF,5%,100V,TP,7x3.2x7mm,5mm	
C463	2401-000597	C-AL	1uF,20%,50V,GP,TP,4x7mm,1.5mm	
C501	2301-000016	C-FILM,PEF	22nF,5%,100V,TP,7.2x4.5x9.0mm,	
C502	2401-000050	C-AL	10uF,20%,16V,GP,TP,5x11,2.5	
C503	2201-000119	C-CERAMIC,DISC	100nF,+80-20%,50V,Y5V,TP,8x3,5	
C504	2201-000017	C-CERAMIC,DISC	1nF,10%,50V,Y5P,TP,5x3.5,5	
C505	2401-000059	C-AL	220nF,20%,50V,GP,-,5x11,5	
C509	2401-002267	C-AL	2.2uF,20%,250V,GP,TP,8x11.5,5	
C510	2301-000294	C-FILM,PEF	56nF,5%,100V,TP,9.5x12.5mm,5mm	
C513	2201-000291	C-CERAMIC,DISC	1nF,10%,500V,Y5P,TP,7.5x3.5,5	
C541	2301-000004	C-FILM,PEF	2.2nF,5%,100V,TP,5.5X10X2.9,5m	
C603	2201-000024	C-CERAMIC,DISC	4.7nF,20%,250VAC,Y5U,TP,16x7,7	
C604	2201-000024	C-CERAMIC,DISC	4.7nF,20%,250VAC,Y5U,TP,16x7,7	
C605	2301-000016	C-FILM,PEF	22nF,5%,100V,TP,7.2x4.5x9.0mm,	
C606	2301-000148	C-FILM,PEF	10nF,5%,100V,TP,7x3.2x7mm,5mm	
C607	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,TP,2.3X3	
C609	2401-000015	C-AL	33uF,20%,50V,WT,-,6.3x11mm,2.5	
C610	2401-000025	C-AL	100uF,20%,16V,GP,TP,6.3x11,5	
C611	2401-000613	C-AL	1uF,20%,50V,WT,TP,5x11,5	
C612	2401-000613	C-AL	1uF,20%,50V,WT,TP,5x11,5	
C613	2201-000012	C-CERAMIC,DISC	0.22nF,10%,1kV,Y5P,TP,6.3x5,5	
C614	2201-000019	C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,TP,13.5x4mm,5	
C615	2201-000291	C-CERAMIC,DISC	1nF,10%,500V,Y5P,TP,7.5x3.5,5	
C616	2201-000023	C-CERAMIC,DISC	2.2nF,20%,125V,Y5U,TP,11x7,5	
C617	2201-000023	C-CERAMIC,DISC	2.2nF,20%,125V,Y5U,TP,11x7,5	
C618	2401-000039	C-AL	1000uF,20%,16V,GP,TP,10x16,5	
C619	2401-001585	C-AL	47uF,20%,50V,WT,TP,8x11.5,5	
C620	2401-000887	C-AL	220uF,20%,63V,GP,TP,10x20,5	
C621	2401-001585	C-AL	47uF,20%,50V,WT,TP,8x11.5,5	
C622	2401-000039	C-AL	1000uF,20%,16V,GP,TP,10x16,5	
C623	2401-000039	C-AL	1000uF,20%,16V,GP,TP,10x16,5	
C624	2301-000004	C-FILM,PEF	2.2nF,5%,100V,TP,5.5X10X2.9,5m	
C625	2301-000174	C-FILM,PEF	15nF,5%,100V,TP,7.2x4.0x7.5mm,	
C626	2401-000025	C-AL	100uF,20%,16V,GP,TP,6.3x11,5	
C628	2201-000019	C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,TP,13.5x4mm,5	
C629	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,TP,2.3X3	
C630	2401-000037	C-AL	470uF,20%,16V,GP,TP,8x11.5,5	
C631	2401-000292	C-AL	100uF,20%,16V,WT,TP,8x11.5mm,5	
C632	2201-000019	C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,TP,13.5x4mm,5	
C633	2401-000603	C-AL	1uF,20%,50V,GP,TP,5x11,5	
C634	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	
C643	2201-000017	C-CERAMIC,DISC	1nF,10%,50V,Y5P,TP,5x3.5,5	
CIS6	0203-001199	TAPE-KRAFT	#53110,TO.1,W6,L2000M,BRN	SNA
CIS7	0203-001200	TAPE-PAPER	#53128,TO.15,W5.5,L2000M,BEIGE	SNA
CIS8	0203-001201	TAPE-PAPER	#FB-300,TO.16,W6,L2000M,R/BLU	SNA
CN501	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
CN603	3711-000217	CONNECTOR-HEADER	1WALL,3P,1R,3.96mm,STRAIGHT,SN	SNA
D201	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	

Loc. No.	Code No.	Description	Specification	Remarks
D302	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D303	0402-000128	DIODE-RECTIFIER	1N4002GP,100V,1A,DO-41,TP	
D401	0402-000274	DIODE-RECTIFIER	UF4004,400V,1A,DO-41,TP	
D402	0402-000274	DIODE-RECTIFIER	UF4004,400V,1A,DO-41,TP	
D403	0402-000006	DIODE-RECTIFIER	1N4007GP,1000V,1A,DO-41,TP	
D404	0402-000006	DIODE-RECTIFIER	1N4007GP,1000V,1A,DO-41,TP	
D405	0402-000208	DIODE-RECTIFIER	EK-04,40V,1.5A,DO-41	
D407	0402-000274	DIODE-RECTIFIER	UF4004,400V,1A,DO-41,TP	
D410	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D411	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D412	0402-000546	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	
D413	0402-000546	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	
D414	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D415	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D416	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D420	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D421	0401-000004	DIODE-SWITCHING	1SS244,250V,625mA,DO-34,TP	
D501	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D504	0402-000546	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	
D505	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D506	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D508	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D509	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D510	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D511	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D513	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D600	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D602	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D604	0402-000012	DIODE-RECTIFIER	UF4007,1KV,1A,DO-41,TP	
D605	0402-000012	DIODE-RECTIFIER	UF4007,1KV,1A,DO-41,TP	
D606	0402-000546	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	
D607	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D610	0402-000012	DIODE-RECTIFIER	UF4007,1KV,1A,DO-41,TP	
D611	0402-001118	DIODE-RECTIFIER	UF1G,400V,1.2A,DO-204AL,TP	
D612	0402-000546	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	
D615	0403-000361	DIODE-ZENER	UZ6.2BSB,6.2V,5.99-6.24V,500mW	
D616	0403-000361	DIODE-ZENER	UZ6.2BSB,6.2V,5.99-6.24V,500mW	
D625	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D626	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D627	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D628	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D629	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
D630	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
EY301	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY302	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY401	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY444	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY445	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY500	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY501	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY502	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY503	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY504	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY505	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY506	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY507	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY508	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY509	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY510	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY511	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY512	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA

Loc. No.	Code No.	Description	Specification	Remarks
EY601	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY602	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY603	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY604	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY605	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY606	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY607	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY608	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY609	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY610	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
GT603	BH71-40300A	PIN HINGE	BRASS,D2.361,HEAT/SINK,SN	SNA
GT604	BH71-40300A	PIN HINGE	BRASS,D2.361,HEAT/SINK,SN	SNA
IC202	1103-001149	IC-EEPROM	524C80D41,4KBit,DIP,8P,300MIL,10mS,5V,10%,PLASTIC,-25to+70C,10uA,CMOS,ST	
IC602	1203-000002	IC-POS1.ADJUST REG.	431,TO-92,3P,-,PLASTIC,2.44/2.	
IC604	1203-002653	IC-POS1.FIXED REG.	78DL05,TO-92,3P,4.5X4.5MM,PLASTIC,4.8/5.2V,625MW,-40TO+85C,150MA,-,TP	
JP_DHHS	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP101	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP102	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP11	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP110	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP113	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP118	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP119	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP129	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP130	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP135	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP137	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP142	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP143	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP144	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP146	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP147	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP148	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP158	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP160	2004-001211	R-METAL	7.5Kohm,1%,1/4W,AA,TP,2.4x6.4m	
JP162	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP163	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP171	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP175	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP176	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP179	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP180	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP183	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP184	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP186	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP187	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP193	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP194	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP195	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP196	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP197	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP198	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP199	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP2	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP20	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP200	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP201	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP202	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP204	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP205	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP206	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	


Loc. No.	Code No.	Description	Specification	Remarks
JP207	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP208	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP209	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP21	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP210	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP211	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP212	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP213	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP214	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP215	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP216	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP217	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP219	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP220	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP221	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP25	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP3	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP30	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP32	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP33	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP34	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP35	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP36	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP37	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP4	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP43	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP56	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP57	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP58	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP60	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP62	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP64	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP8	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP9	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP91	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
JP94	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,AWG22(0.	
MP1.0	BH41-00217A	PCB MAIN	AN15V*,FR1,1,1.6T,247*247,MAIN	
Q303	0501-000586	TR-SMALL SIGNAL	KSC945,NPN,250mW,TO-92,TP,120-240	
Q400	0501-000372	TR-SMALL SIGNAL	KSC2383-Y,NPN,900000mW,TO-92L,TP,160-320	
Q401	0501-000586	TR-SMALL SIGNAL	KSC945,NPN,250mW,TO-92,TP,120-240	
Q403	0501-000586	TR-SMALL SIGNAL	KSC945,NPN,250mW,TO-92,TP,120-240	
Q405	0501-000303	TR-SMALL SIGNAL	KSA733,PNP,250mW,TO-92,TP,120-240	
Q406	0501-000303	TR-SMALL SIGNAL	KSA733,PNP,250mW,TO-92,TP,120-240	
Q407	0501-000140	TR-SMALL SIGNAL	2N5551,NPN,625mW,TO-92,TP,80-250	
Q415	0501-000412	TR-SMALL SIGNAL	KSP42,NPN,625mW,TO-92,-,40	
Q416	0501-000412	TR-SMALL SIGNAL	KSP42,NPN,625mW,TO-92,-,40	
Q420	0501-000303	TR-SMALL SIGNAL	KSA733,PNP,250mW,TO-92,TP,120-240	
Q499	0501-000303	TR-SMALL SIGNAL	KSA733,PNP,250mW,TO-92,TP,120-240	
Q502	0501-000143	TR-SMALL SIGNAL	2N6520,PNP,625mW,TO-92,TP,30-200	
Q601	0501-000586	TR-SMALL SIGNAL	KSC945,NPN,250mW,TO-92,TP,120-240	
Q602	0501-000586	TR-SMALL SIGNAL	KSC945,NPN,250mW,TO-92,TP,120-240	
Q604	0501-000404	TR-SMALL SIGNAL	KSD1616-Y,NPN,750mW,TO-92,TP,135-270	
Q609	0501-002228	TR-SMALL SIGNAL	KTA1281,PNP,1000mW,TO-92L,TP,120-240	
Q610	0501-000586	TR-SMALL SIGNAL	KSC945,NPN,250mW,TO-92,TP,120-240	
Q613	0501-002228	TR-SMALL SIGNAL	KTA1281,PNP,1000mW,TO-92L,TP,120-240	
Q614	0501-000586	TR-SMALL SIGNAL	KSC945,NPN,250mW,TO-92,TP,120-240	
R200	2001-000869	R-CARBON	56OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R201	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R202	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R203	2001-000008	R-CARBON	15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R204	2001-000008	R-CARBON	15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc. No.	Code No.	Description	Specification	Remarks
R205	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R206	2001-000435	R-CARBON	1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R207	2001-000869	R-CARBON	56OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R208	2001-000869	R-CARBON	56OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R209	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R212	2001-000591	R-CARBON	3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R213	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R214	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R215	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R216	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R217	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R218	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R219	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R220	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R221	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R222	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R223	2001-000554	R-CARBON	270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R224	2001-000869	R-CARBON	56OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R225	2001-000869	R-CARBON	56OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R229	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R235	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R236	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R300	2004-001202	R-METAL	68ohm,1%,1/4W,AA,TP,2.4x6.4mm	
R301	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R302	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R307	2001-000908	R-CARBON	62KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R308	2001-001053	R-CARBON(S)	1.5OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R309	2004-001022	R-METAL	5.6Kohm,1%,1/4W,AA,TP,2.4x6.4m	
R310	2003-000422	R-METAL OXIDE(S)	1.2ohm,5%,2W,AA,TP,4x12mm	
R311	2004-000853	R-METAL	390ohm,1%,1/4W,AA,TP,2.4x6.4mm	
R312	2004-000498	R-METAL	2.7Kohm,1%,1/4W,AA,TP,2.4x6.4m	
R313	2001-001015	R-CARBON	9.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R314	2001-000539	R-CARBON	24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R316	2001-000812	R-CARBON	5.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R317	2001-000786	R-CARBON	47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R327	2001-000689	R-CARBON	390KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R328	2001-000356	R-CARBON	150KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R401	2004-000979	R-METAL	47Kohm,1%,1/4W,AA,TP,2.4x6.4mm	
R404	2004-001022	R-METAL	5.6Kohm,1%,1/4W,AA,TP,2.4x6.4m	
R405	2001-000449	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R406	2001-000522	R-CARBON	22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R407	2001-001099	R-CARBON(S)	2.7KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R408	2003-000455	R-METAL OXIDE(S)	100ohm,5%,2W,AA,TP,4x12mm	
R411	2001-000333	R-CARBON	12OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R412	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	△
R413	2001-001048	R-CARBON(S)	1.2OHM,5%,1/2W,AA,TP,2.4X6.4MM	△
R414	2001-001048	R-CARBON(S)	1.2OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R415	2003-000429	R-METAL OXIDE(S)	1.5Kohm,5%,2W,AA,TP,4x12mm	
R416	2001-000107	R-CARBON(S)	150KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R417	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R418	2001-000613	R-CARBON	3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R419	2001-000397	R-CARBON	180KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R420	2001-000354	R-CARBON	150KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R423	2004-000698	R-METAL	3.3Kohm,1%,1/4W,AA,TP,2.4x6.4m	
R424	2004-000412	R-METAL	18Kohm,1%,1/4W,AA,TP,2.4x6.4mm	
R425	2001-001178	R-CARBON(S)	680OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R426	2001-000110	R-CARBON	100HM,5%,1/4W,AA,TP,2.4X6.4MM	
R427	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R428	2003-000736	R-METAL OXIDE(S)	560ohm,5%,3W,AA,TP,6x16mm	
R429	2001-000773	R-CARBON	470KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R430	2001-001078	R-CARBON(S)	15KOHM,5%,1/2W,AA,TP,2.4X6.4MM	

Loc. No.	Code No.	Description	Specification	Remarks
R431	2003-000438	R-METAL OXIDE(S)	1.5ohm,5%,3W,AA,TP,6x16mm	
R432	2001-000020	R-CARBON(S)	220HM,5%,1/2W,AA,TP,2.4X6.4MM	
R436	2001-000449	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R437	2001-000786	R-CARBON	47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R438	2001-000449	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R439	2001-000786	R-CARBON	47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R442	2001-000938	R-CARBON	680HM,5%,1/8W,AA,TP,1.8X3.2MM	
R443	2003-000650	R-METAL OXIDE(S)	330ohm,5%,2W,AA,TP,4x12mm	
R445	2001-000019	R-CARBON(S)	100HM,5%,1/2W,AA,TP,2.4X6.4MM	
R446	2001-000117	R-CARBON(S)	680HM,5%,1/2W,AA,TP,2.4X6.4MM	
R450	2004-000262	R-METAL	120Kohm,1%,1/4W,AA,TP,2.4x6.4m	
R452	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R453	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R454	2003-000650	R-METAL OXIDE(S)	330ohm,5%,2W,AA,TP,4x12mm	
R461	2001-000010	R-CARBON	68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R500	2001-000435	R-CARBON	1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R501	2001-000890	R-CARBON	6.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R502	2004-000861	R-METAL	39Kohm,1%,1/4W,AA,TP,2.4x6.4mm	△
R503	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R504	2001-000008	R-CARBON	15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	△
R505	2004-000458	R-METAL	2.2Kohm,1%,1/4W,AA,TP,2.4x6.4m	△
R506	2004-000284	R-METAL	12Kohm,1%,1/4W,AA,TP,2.4x6.4mm	△
R507	2004-000216	R-METAL	10Kohm,1%,1/4W,AA,TP,2.4x6.4mm	△
R510	2001-000273	R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R511	2001-000478	R-CARBON	2.70HM,5%,1/4W,AA,TP,2.4X6.4MM	
R514	2001-001071	R-CARBON(S)	12KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R515	2001-001108	R-CARBON(S)	22KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R516	2001-001115	R-CARBON(S)	27KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R520	2001-000522	R-CARBON	22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R524	2001-000337	R-CARBON	130KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R526	2004-000825	R-METAL	36Kohm,1%,1/4W,AB,TP,2.4x6.4mm	
R529	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R530	2004-000193	R-METAL	100Kohm,1%,1/4W,AA,TP,2.4x6.4m	
R600	2001-001129	R-CARBON(S)	330KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R601	2001-001129	R-CARBON(S)	330KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R602	2001-000023	R-CARBON	470HM,5%,1/4W,AA,TP,2.4X6.4MM	
R603	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R604	2001-000241	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R605	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R606	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R607	2003-000014	R-METAL OXIDE(S)	10Kohm,5%,3W,AA,TP,6x16mm	
R608	2001-000034	R-CARBON	220OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R609	2002-001068	R-COMPOSITION	180Kohm,5%,1/2W,AA,TP,3.9x9mm	
R610	2002-001068	R-COMPOSITION	180Kohm,5%,1/2W,AA,TP,3.9x9mm	
R611	2001-000018	R-CARBON	6.8OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R612	2003-000738	R-METAL OXIDE(S)	56Kohm,5%,2W,AA,TP,4x12mm	
R613	2001-000577	R-CARBON	2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R614	2001-001107	R-CARBON(S)	220ohm,5%,1/2W,AA,TP,2.4x6.4mm	
R615	2001-001088	R-CARBON(S)	1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R616	2001-000577	R-CARBON	2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R617	2001-001048	R-CARBON(S)	1.2OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R618	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R620	2001-000508	R-CARBON	220KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R621	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R622	2001-000211	R-CARBON	10HM,5%,1/4W,AA,TP,2.4X6.4MM	
R623	2004-001349	R-METAL	91Kohm,1%,1/4W,AA,TP,2.4x6.4mm	
R624	2001-000890	R-CARBON	6.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R625	2004-000481	R-METAL	2.4Kohm,1%,1/4W,AA,TP,2.4x6.4m	
R626	2004-000498	R-METAL	2.7Kohm,1%,1/4W,AA,TP,2.4x6.4m	
R630	2001-000786	R-CARBON	47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc. No.	Code No.	Description	Specification	Remarks
R631	2001-001088	R-CARBON(S)	1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R632	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R634	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R663	2001-000071	R-CARBON	22KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R664	2001-000062	R-CARBON	470OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R667	2001-000211	R-CARBON	1OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R668	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R674	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R676	2001-001088	R-CARBON(S)	1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R677	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R678	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
SK501	4715-000001	SURGE ABSORBER	1KV,+50-10%,--	SNA
TP501	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
VR401	2103-000493	VR-SEMI	5Kohm,30%,1/10W,SIDE	
X201	2801-000005	CRYSTAL-UNIT	8MHz,50ppm,28-AAM,S,35ohm,TP	
ZD201	0403-000355	DIODE-ZENER	UZ5.1BSB,4.97-5.18V,500MW,DO-35,TP	
ZD202	0403-000355	DIODE-ZENER	UZ5.1BSB,4.97-5.18V,500MW,DO-35,TP	
ZD203	0403-000355	DIODE-ZENER	UZ5.1BSB,4.97-5.18V,500MW,DO-35,TP	
ZD204	0403-000355	DIODE-ZENER	UZ5.1BSB,4.97-5.18V,500MW,DO-35,TP	
ZD205	0403-000361	DIODE-ZENER	UZ6.2BSB,6.2V,5.99-6.24V,500mW	
ZD206	0403-000361	DIODE-ZENER	UZ6.2BSB,6.2V,5.99-6.24V,500mW	
ZD207	0403-000361	DIODE-ZENER	UZ6.2BSB,6.2V,5.99-6.24V,500mW	
ZD208	0403-000355	DIODE-ZENER	UZ5.1BSB,4.97-5.18V,500MW,DO-35,TP	
ZD209	0403-000348	DIODE-ZENER	UZ36B,36V,33-39V,500mW,DO-35,T	
ZD210	0403-001068	DIODE-ZENER	UZ4.7BSA,4.7V,4.47-4.65V,500mW	
ZD211	0403-000361	DIODE-ZENER	UZ6.2BSB,6.2V,5.99-6.24V,500mW	
ZD301	0403-000355	DIODE-ZENER	UZ5.1BSB,4.97-5.18V,500MW,DO-35,TP	
HS601	BP96-00064A	ASSY HEAT SINK P	H/S POWER,SPRING,6S0765RC,RUBBER SILICON	
CIS	1203-002642	IC-PWM CONTROLLER	FS6S0765RCB-YDTU,TO-220(FORMING),5P,9.88X9.2MM,PLASTIC,14/16V,145W,-25TO+85C,17A	SNA
CIS	BH61-00004A	SPRING ETC-TR	CDA,CDB,SUS304,--,-,-,-,TO.5,--,-	SNA
CIS	BH62-00004A	HEAT SINK-POWER	-,T1,-,A1050S,DA/DB	SNA
CIS	BH62-20001B	TUBE-RUBBER	CSQ4357,W25*L20*TO.45,--,-,-,-	SNA
HS301	BP96-00065A	ASSY HEAT SINK P	H/S V.I.C,SPRING,STV9302A,OIL SILICON	
CIS	0205-001027	OIL-SILICON	G746,--,-	SNA
CIS	1204-002014	IC-VERTICAL DEF.	STV9302A,HEPTAWATT,7P,10.22X15.45MM,PLASTIC,35V,--,-20TO+75C,ST,-	
CIS	BH61-00004A	SPRING ETC-TR	CDA,CDB,SUS304,--,-,-,-,TO.5,--,-	SNA
CIS	BH62-00003B	HEAT SINK-VERT	A1050S,T1.0,T1.0,--,-,DA,DB	SNA
HS501	BP96-00066D	ASSY HEAT SINK P	H/S FBT,SPRING,ST2001HI,DTV1500L,KTD2058,OIL SILICON	
CIS	0205-001027	OIL-SILICON	G746,--,-	SNA
CIS	0402-001454	DIODE-RECTIFIER	DTV1500L,1500V,4A,DO-220FP,ST	
CIS	0502-000465	TR-POWER	KTD2058,NPN,25000mW,TO-220IS,ST,100-200	
CIS	0502-001232	TR-POWER	ST2001HI,NPN,55000MW,ISOWATT218,ST,5-10	
CIS	BH61-00004A	SPRING ETC-TR	CDA,CDB,SUS304,--,-,-,-,TO.5,--,-	SNA
CIS	BH61-70003A	SPRING ETC	CVT4857,STS304-W1/2H,W3.8,--,-,L30,L30,--,-,TO.5,DEGRE,W3.8,STS304-W1/2H	SNA
CIS	BH62-00015A	HEAT SINK-FBT	A1050S,T1.0,T1.0,--,-	SNA
HS402	BP96-00068A	ASSY HEAT SINK P	H/S TR,SPRING,IRF630B,OIL SILICON	
CIS	0205-001027	OIL-SILICON	G746,--,-	SNA
CIS	0505-001675	FET-SILICON	IRF630B,N,200V,9A,0.4OHM,72W,TO-220	
CIS	BH61-00004A	SPRING ETC-TR	CDA,CDB,SUS304,--,-,-,-,TO.5,--,-	SNA
CIS	BH62-00008A	HEAT SINK-TR	-,SPC-1 L20*H45*T1,--,-,CDB	SNA

7-2 Video PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
CIS	BH94-00828A	ASSY PCB VIDEO	AN15VS	SNA
15_NOR	3704-001169	SOCKET-CRT	12P,22.5PI,-,NI+SN,-	
CIS	BH63-00056A	SHIELD-VIDEO CAP	AN17KS,SPT ,T0.2	
CIS	BH68-00001A	LABEL-MARK CDT	ART-PAPER 100G,-,WHT,BLK,-,ALL,CDT	SNA
CIS1	0202-001044	SOLDER-WIRE.	S63S-W3.0,S63S,D3,63Sn/37Pb,-	SNA
CIS11	BH39-00134A	CBF-HARNESS	DT15LT,3*0.16TA,BLK,AWG18,35068-9822,EARTH CLIP,BK,100MM	
CIS12	6502-000127	CABLE CLAMP	DAWH-18NB,ID15,-,NYLON66,NTR	SNA
CIS13	BH39-00150A	CBF-HARNESS	,160MM,8*0.16TA*16	
CIS14	6502-000001	CABLE CLAMP	DAWH-5NB,D15,L35,NYLON66,NTR	SNA
CIS2	0202-001046	SOLDER-WIRE FLUX	CF-110VH-2A,-,-,-,-	SNA
CIS3	0202-001222	SOLDER-WIRE FLUX	RS-107,RS60-1.2AA,D1.2,SN60/PB40,-	SNA
CIS34	6502-000127	CABLE CLAMP	DAWH-18NB,ID15,-,NYLON66,NTR	SNA
CIS4	0204-001095	THINNER	#4520,-,-,-	SNA
CIS8	BH63-00055A	SHIELD-VIDEO	AN17KS,SPT ,T0.2	
CN101	3711-004228	CONNECTOR-HEADER	BOX,6P,1R,2MM,ANGLE,SN	SNA
CN102	BH39-00015A	CBF-HARNESS	13P/14P,200MM,WHT/BLK/RED/BLU,UL1007,AWG26,SMH200-13/YBNH200-14	
IC101	1201-001947	IC-VIDEO AMP	S1D2552X04,SDIP,32P,400MIL,-,-,PLASTIC,12.6V,1W,-,20TO+75C,-,-,-,-,ST	
SH/VID+H/S	6003-000010	SCREW-TAPTITE	BWH,+B,M3,L10,ZPC(YEL),SWRCH1	SNA
-	BH97-00352A	ASSY AUTO-VIDEO	AN15VS	SNA
BD101	3301-000011	CORE-FERRITE BEAD	AA,3.5x1.0x5.7mm,1500,2375G	
BD102	3301-000011	CORE-FERRITE BEAD	AA,3.5x1.0x5.7mm,1500,2375G	
BD103	3301-000011	CORE-FERRITE BEAD	AA,3.5x1.0x5.7mm,1500,2375G	
BD104	3301-000011	CORE-FERRITE BEAD	AA,3.5x1.0x5.7mm,1500,2375G	
BD105	3301-000011	CORE-FERRITE BEAD	AA,3.5x1.0x5.7mm,1500,2375G	
BD106	3301-000011	CORE-FERRITE BEAD	AA,3.5x1.0x5.7mm,1500,2375G	
C102	2401-000603	C-AL	1uF,20%,50V,GP,TP,5x11.5	
C103	2401-000037	C-AL	470uF,20%,16V,GP,TP,8x11.5,5	
C106	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,TP,2.3X3	
C107	2401-003034	C-AL	220uF,20%,16V,WT,TP,8x11.5,5	
C108	2401-000049	C-AL	47uF,20%,100V,WT,TP,10x16,5	
C113	2301-000016	C-FILM,PEF	22nF,5%,100V,TP,7.2x4.5x9.0mm,	
C114	2201-000117	C-CERAMIC,DISC	1.8nF,10%,500V,Y5P,TP,8.5x3,5	
C115	2401-000393	C-AL	10uF,20%,100V,WT,TP,8x11.5,5	
C117	2301-000016	C-FILM,PEF	22nF,5%,100V,TP,7.2x4.5x9.0mm,	
C119	2201-000291	C-CERAMIC,DISC	1nF,10%,500V,Y5P,TP,7.5x3.5,5	
C120	2201-000285	C-CERAMIC,DISC	1nF,10%,1KV,Y5P,TP,8x5,5	
C121	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,TP,2.3X3	
C123	2201-000019	C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,TP,13.5x4mm,5	
C124	2301-000148	C-FILM,PEF	10nF,5%,100V,TP,7x3.2x7mm,5mm	
C151	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,TP,2.3X3	
C152	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,TP,2.3X3	
C160	2301-000203	C-FILM,PEF	2.7nF,5%,100V,TP,7x3.0x6.5mm,5	
C161	2401-000025	C-AL	100uF,20%,16V,GP,TP,6.3x11,5	
C162	2401-000613	C-AL	1uF,20%,50V,WT,TP,5x11,5	
C163	2201-000019	C-CERAMIC,DISC	10nF,+80-20%,500V,Y5V,TP,13.5x4mm,5	
CB01	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,TP,2.3X3	
CB02	2401-000603	C-AL	1uF,20%,50V,GP,TP,5x11,5	
CB03	2201-000487	C-CERAMIC,DISC	33pF,5%,50V,SL,TP,5x3,5mm	
CB04	2401-000055	C-AL	1uF,20%,160V,WT,TP,3x11,5mm	
CB06	2301-000010	C-FILM,PEF	100nF,5%,100V,TP,11.5x12.5mm,5	
CB08	2201-000017	C-CERAMIC,DISC	1nF,10%,50V,Y5P,TP,5x3.5,5	
CG01	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,TP,2.3X3	
CG02	2401-000613	C-AL	1uF,20%,50V,WT,TP,5x11,5	
CG03	2201-000487	C-CERAMIC,DISC	33pF,5%,50V,SL,TP,5x3,5mm	
CG04	2401-000055	C-AL	1uF,20%,160V,WT,TP,3x11,5mm	
CG06	2301-000010	C-FILM,PEF	100nF,5%,100V,TP,11.5x12.5mm,5	
CG08	2201-000234	C-CERAMIC,DISC	0.15nF,5%,50V,NP0,TP,9x3,5	
CIS5	0203-001199	TAPE-KRAFT	#53110,T0.1,W6,L2000M,BRN	SNA
CIS6	0203-001200	TAPE-PAPER	#53128,T0.15,W5.5,L2000M,BEIGE	SNA
CR01	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,TP,2.3X3	

Loc. No.	Code No.	Description	Specification	Remarks
CR02	2401-000603	C-AL	1uF,20%,50V,GP,TP,5x11,5	
CR03	2201-000487	C-CERAMIC,DISC	33pF,5%,50V,SL,TP,5x3,5mm	
CR04	2401-000055	C-AL	1uF,20%,160V,WT,TP,3x11,5mm	
CR06	2301-000010	C-FILM,PEF	100nF,5%,100V,TP,11.5x12.5mm,5	
CR08	2201-000017	C-CERAMIC,DISC	1nF,10%,50V,Y5P,TP,5x3.5,5	
DB01	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
DB02	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
DB03	0401-000004	DIODE-SWITCHING	1SS244,250V,625mA,DO-34,TP	
DB04	0401-000004	DIODE-SWITCHING	1SS244,250V,625mA,DO-34,TP	
DB05	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
DG01	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
DG02	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
DG03	0401-000004	DIODE-SWITCHING	1SS244,250V,625mA,DO-34,TP	
DG04	0401-000004	DIODE-SWITCHING	1SS244,250V,625mA,DO-34,TP	
DG05	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
DR01	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
DR02	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
DR03	0401-000004	DIODE-SWITCHING	1SS244,250V,625mA,DO-34,TP	
DR04	0401-000004	DIODE-SWITCHING	1SS244,250V,625mA,DO-34,TP	
DR05	0401-000005	DIODE-SWITCHING	1N4148,100V,200mA,DO-35,TP	
EY1	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY2	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY3	6042-000001	EYELET	ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	SNA
EY4	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
EY5	6042-000002	EYELET	ID1.5,OD2,L3.1,SN,BSS3-E/EH	SNA
G2	BH71-40300A	PIN HINGE	BRASS,D2.361,HEAT/SINK,SN	SNA
GND	BH71-40300A	PIN HINGE	BRASS,D2.361,HEAT/SINK,SN	SNA
IC104	BH13-00022A	IC HYBRID-BIAS CLAMP	LM2480NA,PN15H/17L,8P,0to+70C,DIP,3mA,85V,ST	
JP162	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP182	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP183	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP184	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP188	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP191	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP197	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP198	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP199	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP200	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP201	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP202	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP203	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP204	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP205	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP207	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
JP208	BH39-40305U	CBF HARNESS	52MM,AWG22(0.6PI),-,-,AWG22(0.	
L101	2701-000112	INDUCTOR-AXIAL	100uH,10%,3x7mm	
L103	2701-000319	INDUCTOR-AXIAL	470NH,10%,3X7MM	
LB01	2701-000319	INDUCTOR-AXIAL	470NH,10%,3X7MM	
LG01	2701-000319	INDUCTOR-AXIAL	470NH,10%,3X7MM	
LR01	2701-000319	INDUCTOR-AXIAL	470NH,10%,3X7MM	
MP1.0	BH41-00218A	PCB	AN15V*,FR1,1,1.6T,247*247MM,6,VIDEO	
R101	2001-000591	R-CARBON	3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R102	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R103	2001-001138	R-CARBON(S)	390OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R104	2001-001138	R-CARBON(S)	390OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R105	2001-000947	R-CARBON	7.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R107	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R108	2001-000812	R-CARBON	5.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R109	2001-000331	R-CARBON	12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R117	2001-000924	R-CARBON	680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R118	2001-000857	R-CARBON	560OHM,5%,1/8W,AA,TP,1.8X3.2MM	

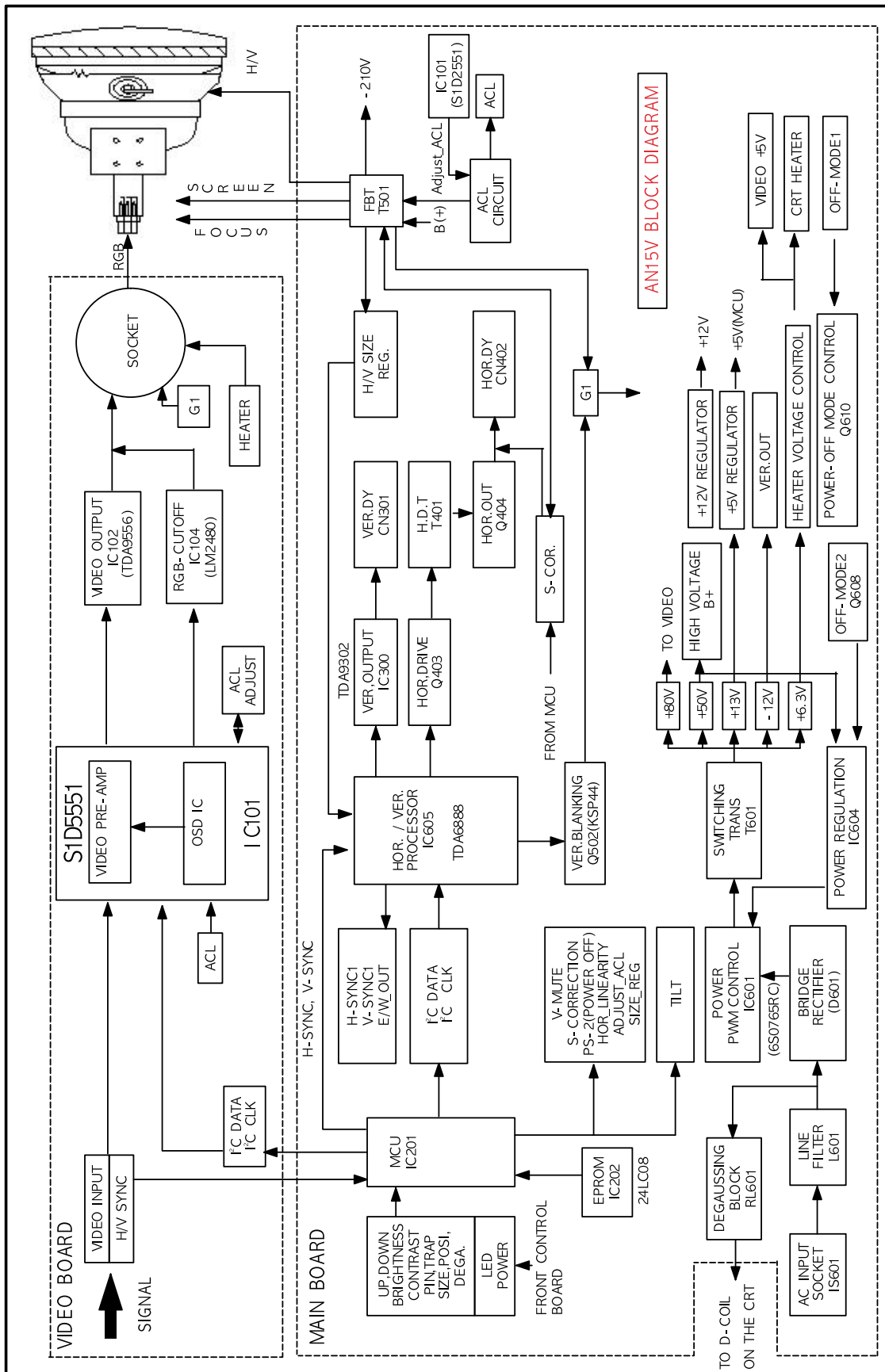
Loc. No.	Code No.	Description	Specification	Remarks
R119	2001-000857	R-CARBON	560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R124	2001-001195	R-CARBON(S)	820OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R130	2003-002282	R-METAL OXIDE(S)	390HM,5%,1W,AF,TP,3.3X9MM	
RB01	2001-000969	R-CARBON	750HM,5%,1/8W,AA,TP,1.8X3.2MM	
RB02	2001-000969	R-CARBON	750HM,5%,1/8W,AA,TP,1.8X3.2MM	
RB03	2001-000857	R-CARBON	560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RB05	2001-000702	R-CARBON	39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RB07	2001-000411	R-CARBON	18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RB08	2001-000325	R-CARBON	120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RB09	2001-000962	R-CARBON	75KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
RB10	2003-002281	R-METAL OXIDE(S)	120OHM,5%,1W,AF,TP,3.3X9MM	
RB15	2001-000938	R-CARBON	680HM,5%,1/8W,AA,TP,1.8X3.2MM	
RG01	2001-000969	R-CARBON	750HM,5%,1/8W,AA,TP,1.8X3.2MM	
RG02	2001-000969	R-CARBON	750HM,5%,1/8W,AA,TP,1.8X3.2MM	
RG03	2001-000857	R-CARBON	560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RG05	2001-000702	R-CARBON	39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RG07	2001-000411	R-CARBON	18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RG08	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RG09	2001-000962	R-CARBON	75KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
RG10	2001-001077	R-CARBON(S)	150OHM,5%,1/2W,AA,TP,2.4X6.4MM	
RG15	2001-000938	R-CARBON	680HM,5%,1/8W,AA,TP,1.8X3.2MM	
RR01	2001-000969	R-CARBON	750HM,5%,1/8W,AA,TP,1.8X3.2MM	
RR02	2001-000969	R-CARBON	750HM,5%,1/8W,AA,TP,1.8X3.2MM	
RR03	2001-000780	R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RR05	2001-000702	R-CARBON	39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RR07	2001-000411	R-CARBON	18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RR08	2001-000376	R-CARBON	150HM,5%,1/8W,AA,TP,1.8X3.2MM	
RR09	2001-000962	R-CARBON	75KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
RR10	2003-002281	R-METAL OXIDE(S)	120OHM,5%,1W,AF,TP,3.3X9MM	
RR15	2001-000938	R-CARBON	680HM,5%,1/8W,AA,TP,1.8X3.2MM	
SK101	1405-001064	SURGE ABSORBER	400V,20%,-,AXIAL	
SK102	4715-000001	SURGE ABSORBER	1KV,+50-10%,-,	SNA
SKB01	4715-000102	SURGE ABSORBER	200V,20%,1000A,-,RADIAL	SNA
SKG01	4715-001065	SURGE ABSORBER	200V,20%,-,AXIAL	
SKR01	4715-000102	SURGE ABSORBER	200V,20%,1000A,-,RADIAL	SNA
ZD101	0403-000355	DIODE-ZENER	UZ5.1BSB,4.97-5.18V,500MW,DO-35,TP	
HS103	BP96-00063B	ASSY HEAT SINK P	H/S VIDEO,SCREW+NUT,STV9555,OIL SILICON	
CIS	0205-001027	OIL-SILICON	G746,-,-	SNA
CIS	1201-001917	IC-VIDEO AMP	STV9555,CLIPWATT,11P,20X11MM,TRIPLE,20DB,PLASTIC,115V,4.79W,-,-,-,-,-,ST	
CIS	6006-001009	SCREW-ASS'Y MACH	WSP,BH,+,M3(WOD6),L12,ZPC(YEL)	SNA
CIS	6021-000118	NUT-HEXAGON	1C,M3,ZPC(YEL),SM20C	SNA
CIS	BH62-00006A	HEAT SINK-VIDEO	-,A1050S T2.0,-,DB	SNA

7-3 Others

Loc. No.	Code No.	Description	Specification	Remarks
-	BH90-00257A	ASSY STAND	PN17HT,ABS HB,IV16,W/W	SNA
CIS	BH75-00274A	UNIT-STAND	PN15VT,-,ABS HB,-,IV16,-,-	
CIS	BH60-00030A	FASTENER-BAND	PN17LT,ST+PVC,P0.4,-,150,YELLOW,-,-,-	SNA
CIS	BH61-40002A	FOOT-RUBBER	-,NR,PMS428U,GA4237,-,-,-	SNA
CIS	BH63-30103A	FELT-STAND	MCM1755,FELT,T1.0,W10,L4	
CIS	BH68-20366A	LABEL-MARK STAND	-,ART PAPER 100(S),-,-,-,-,WHT,-,-	SNA
CIS	BH68-70306A	CARD-STAND	CVM4967PWS(SKD),WONSTROW,CHAIN	SNA
CIS	BH69-30348C	BAG-PE	HDPE,T0.02,W350*L430,Y,-,CGB51	SNA
CIS	BH72-00277A	STAND TOP	PN15VT,ABS,HB,IV16	SNA
CIS	BH72-60740A	STAND BASE-USB	CHB5807,ABS,HB,IV16	SNA
-	BH90-00348A	ASSY COVER FRONT	AQ15VS,ABS V0,IV16	SNA
C/F+C/R	6003-000009	SCREW-TAPTITE	BH,+B,M4,L16,ZPC(YEL),SWRCH18	SNA
C/F+CDT	6006-001119	SCREW-ASS'Y TAPT	WC,BH,+M5,L25,ZPC(YEL),SWRCH18A	SNA
CIS	BH90-00002A	ASSY COVER FRONT	AQ15VS,-,ABS V0,-,IV16,-,-,-	
CIS	6107-001036	SPRING-CS	PI9.4,D0.6,L15,WHT,STS304WPB	SNA
CIS	BH59-00182A	PBA SUB-FUNCTION	PN17HT,DB-PN17HT,SAMSUNG,-,FUNCTION,-,-	SNA
D3	0403-000361	DIODE-ZENER	UZ6.2BSB,6.2V,5.99-6.24V,500mW	
R231	2001-000241	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R233	2001-000331	R-CARBON	12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R234	2001-000563	R-CARBON	27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R232	2001-000812	R-CARBON	5.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SW201	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
SW202	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
SW203	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
SW204	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
CN2	BH39-00255A	CBF HARNESS	PN17HT,UL1007#26,UL/CSA,2P,150MM,BLU/WHT,AWG26,SMH250-02,60-9073-3018-02	
CIS	BH41-00117A	PCB CONTROL	PN17HT,FR-1.1 LAYER,00,1.6t,13*84,PN17HT,-,CONTROL,CONTROL BOARD	SNA
CIS	BH64-00096A	KNOB-FUNCTION	AQ17LS,ABS,HB,IV16	SNA
CIS	BH64-00133A	KNOB POWER	AQ15VS,ABS ,HB,IV16	SNA
CIS	BH67-00018A	LENS-LED	PN15VT,ACRYL ,CLEAR,-,-,-,-	SNA
CIS	BH71-00121A	EARTH PLATE	PN17LT,SUS304,T0.15	SNA
CIS	BH72-00334A	COVER FRONT	AQ15VS,ABS,V0,IV16	SNA
-	BH90-00349A	ASSY COVER REAR	AQ15VS,ABS V0,IV16	SNA
CIS	BH72-00335A	COVER REAR	AQ15VS,ABS,V0,IV16	
-	BH91-00793C	ASSY CDT	AN15VS	SNA
-	BH91-00793S	ASSY CDT-TM	TM-AQ15VS	SNA
CIS	0201-001052	ADHESIVE-CYA	N02/TOKYO/3BCO,WHT,-,-	SNA
CIS	0203-000005	TAPE-ACETATE	SGT730,T0.26,W19,L3000,BLK	SNA
CIS	3302-000006	MAGNET-RUBBER	AF,14G,1620-1980G,0.58-0.9MGOe	SNA
CIS	3309-000002	MAGNET-SHEET	5x20x80mm,UL94V-0.2	SNA
CIS	6502-001019	CABLE CLAMP	DAMC-10,ID9.9,T7.1,NYLON6.6,GRAY	SNA
CIS	BH03-10014A	CDT-SN	M36KUM35X02,-,15,0.28,-,MS-GUN,-,-,-,-,VLMF,4	
CIS	BH03-00006C	CDT	M36LGE23X211(F6M1),54,15,0.28,-,22.5,FST,N/C,NH,EQ,-,ESF,NONE,4	
CIS	BH68-30003B	LABEL-HIGH VOLTAGE	CKA4217(C),ART,100G,YEL,BLK,W30*L30,CDT-TUBE	SNA
CIS	BH96-00114A	ASSY D-COIL P	15INCH,BH27-00129A,BH39-00413A	
-	BH91-00802C	ASSY CHASSIS	AN15VS	
-	BH92-00519B	ASSY P/MATERIAL	AQ15VSPN/XAZ,SEDA,BRAZIL	SNA
P/MATERIAL	0203-001100	TAPE-OPP MASKING	OPP/W75/CLR,T0.05,W75,L800000,CLR	SNA
P/MATERIAL	0203-001159	TAPE-FILAMENT	#8915,T0.15,W12,L55000,CLR	SNA
P/MATERIAL	BH69-00260A	BAG AIR	DP17L,PE,0.2,1800,1000,NATURAL,-	SNA
P/MATERIAL	BH69-00362A	CUSHION-L/R(S)	AQ15VS,EPS M50,-,-,-,-,-,-	SNA
P/MATERIAL	BH69-30002C	BAG-PE	LDPE,T0.05,W2400,NO_PRINT	SNA
P/MATERIAL	BH69-30348A	BAG-PE	HDPE,T0.02,W850*L800,Y,-,CGB51	SNA
P/MATERIAL	BH69-30360A	BAG-AIR	HDPE,T0.2,W1000*L1800,N,-,ALL	SNA
P/MATERIAL	BH69-40380A	PACKING-PAD	DW-2,500X2200X200,-,CGK5527	SNA

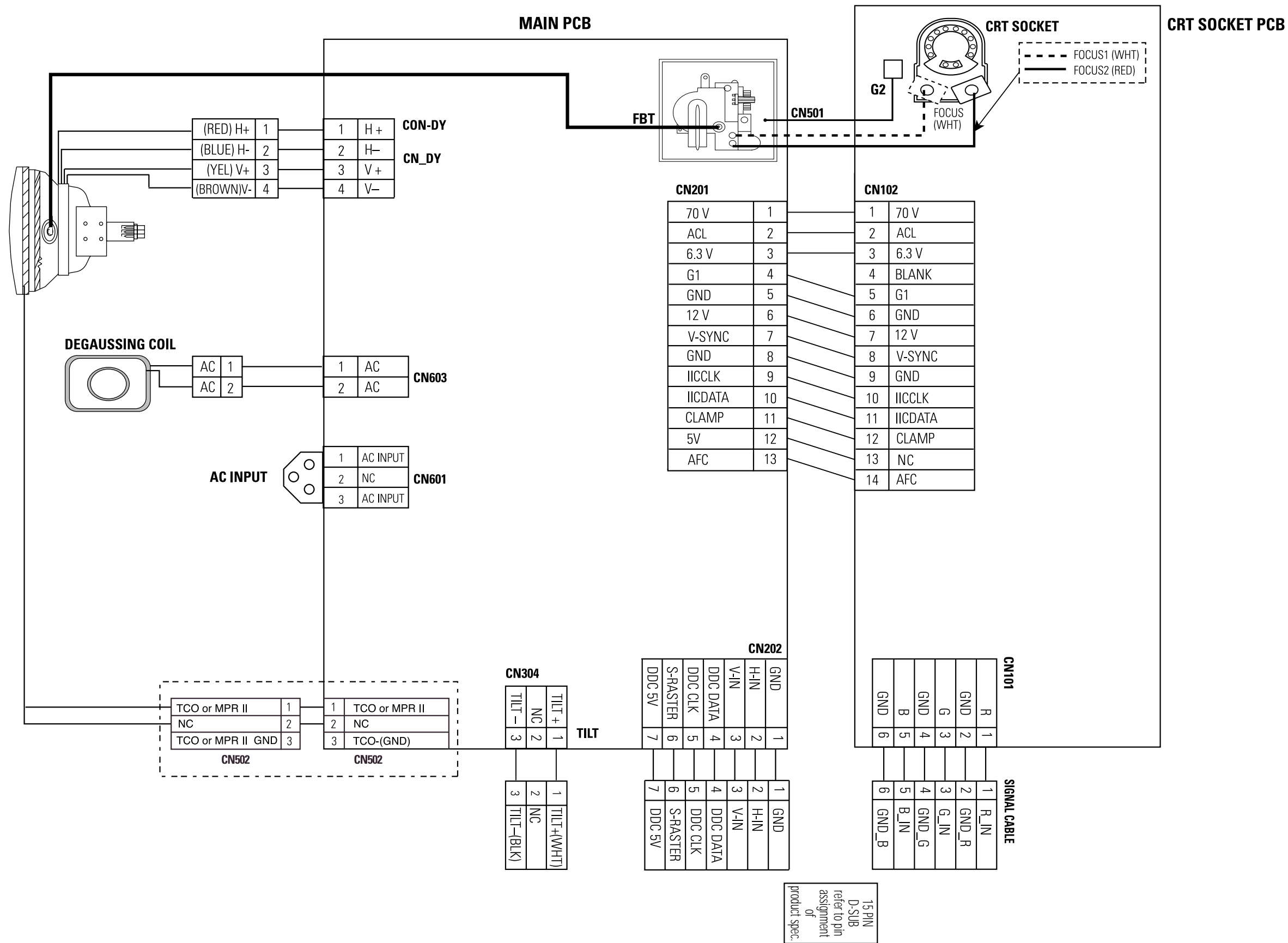
Loc. No.	Code No.	Description	Specification	Remarks
-	BH92-00876A	ASSY BOX	AN15VS	SNA
CIS	BH68-00329A	LABEL BAR CODE	ALL,MPRII,DOM,EXPORT,ART-PAPER 90G,-,-,-,-,WHT,-,-	SNA
CIS	BH69-00384A	BOX	S/M551S,W/W(SMALL),CB-SW4,YEL,A-1,-,-,-,L466*W445*H366,-	SNA
-	BH92-00877A	ASSY LABEL	AN15VS	SNA
LABEL	BH68-00459B	LABEL RATING	B,PE,T0.05,109,50,SYNC,-,PE NATURE,-,-	SNA
-	BH92-00878A	ASSY ACCESSORY	AN15VS	SNA
UNIT/ACCESSORY	BH96-00117A	ASSY ACCESSORY	AN15VS7L/EDC	
ACCESSORY	0203-000214	TAPE-OPP MASKING	OPP/W50/CLR,T0.05,W50,L400000,	SNA
ACCESSORY	BH39-10007A	CBF POWER CORD	DET,250V/6A,H05VV-F,LP-34A/KKP	
ACCESSORY	BH59-00335A	S/W DRIVER-00	AN15VS,IB/DRIVER,SYNCMASTER,E/F/S/G/P/I/R/H/PO..	
ACCESSORY	BH68-00374A	CARD WARRANTY	ASC List,Samsung,ART100G,Russian,EDC,295,210	SNA
ACCESSORY	BH68-00376J	MANUAL	AN_QUICK SETUP GUIDE,SYNCMASTER,E/F/S/G/P/I..14LANGS,W/W,MOJO100G,298,420	
ACCESSORY	BH68-00489A	MANUAL	RUSSIAN W/CARD,SER,RUSSIAN,RUSSIA,MOJO100G	SNA
ACCESSORY	BH68-70418A	CARD-EU BLOC WARR	SyncMaster,BASIC,EU,MOJO,100G,	SNA
ACCESSORY	BH69-30348D	BAG-PE	LDPE,T0.05,W240*L356,Y,-,-,CMG73	SNA
-	TM-AN15VS	2	TSB,MINI-NECK	-

8 Block Diagrams



Memo

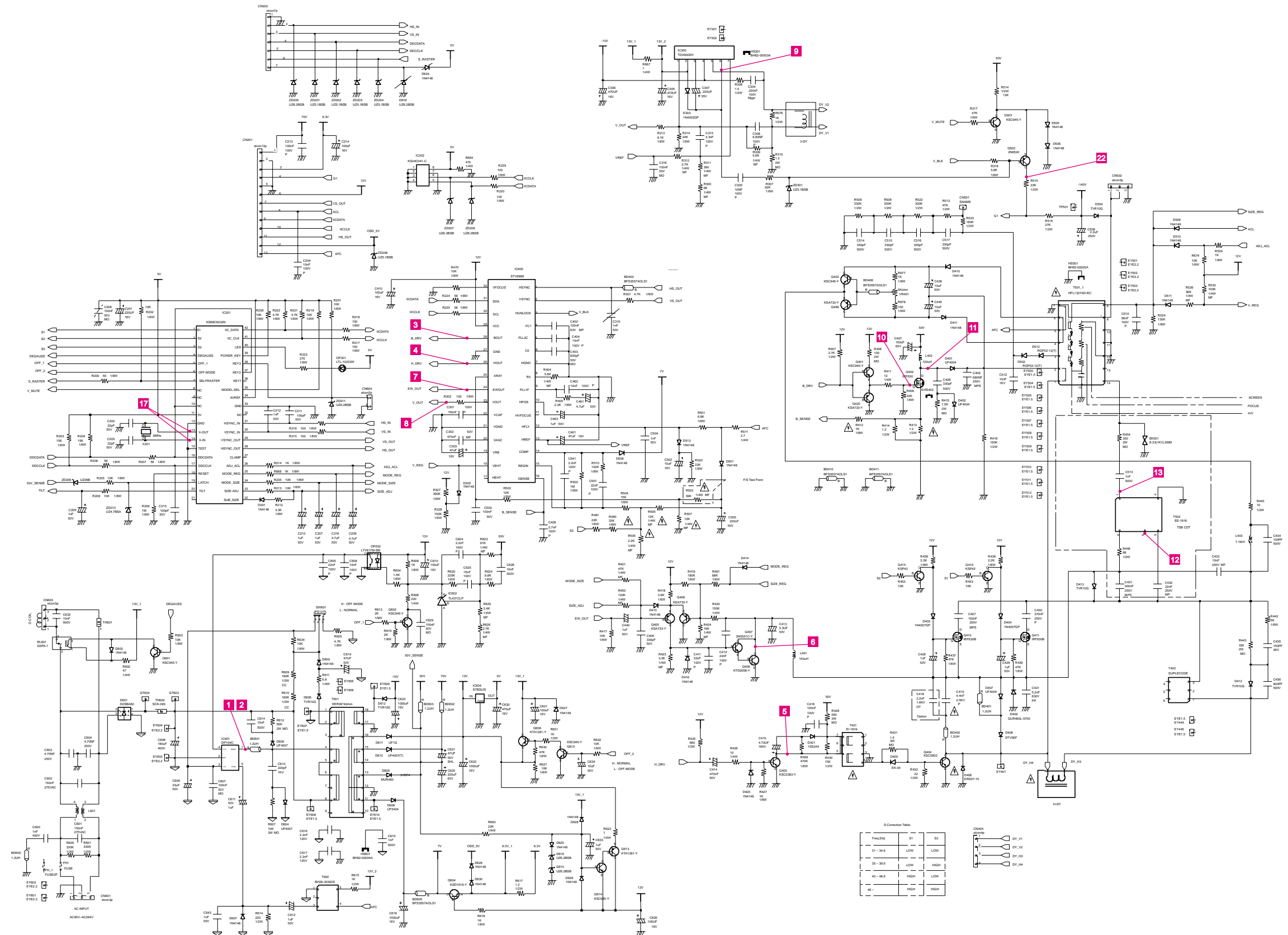
9 Wiring Diagram

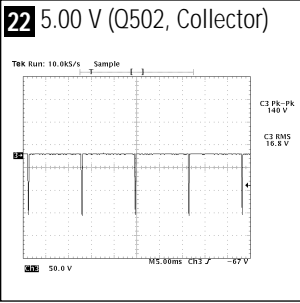
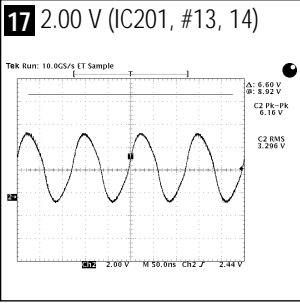
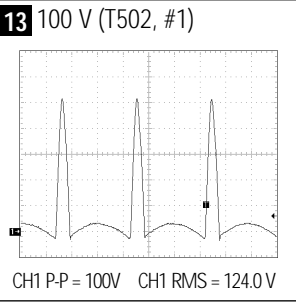
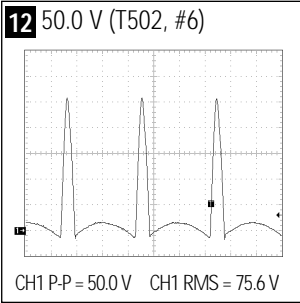
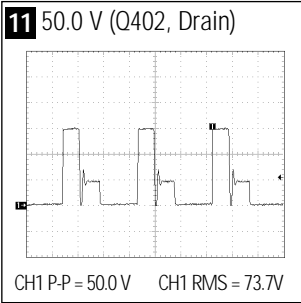
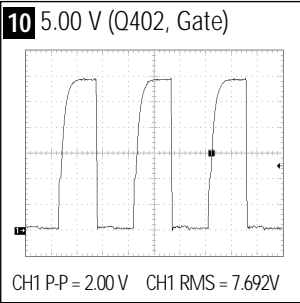
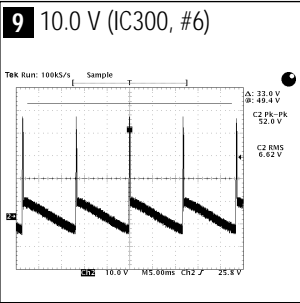
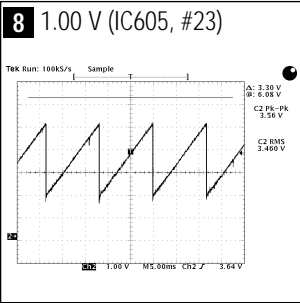
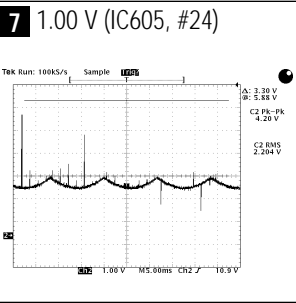
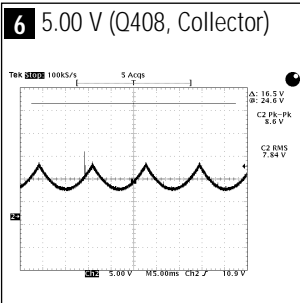
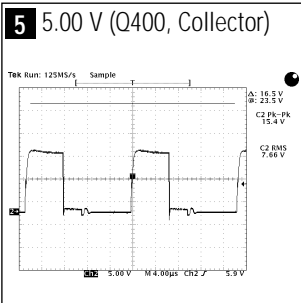
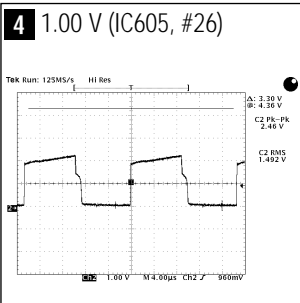
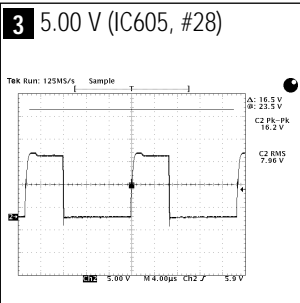
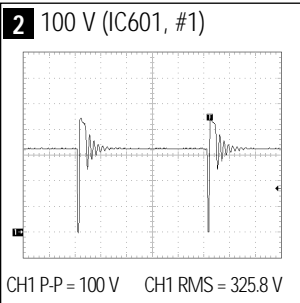
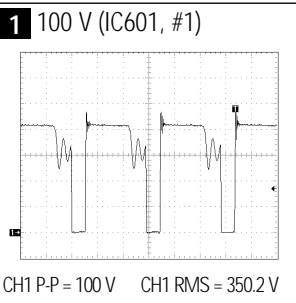


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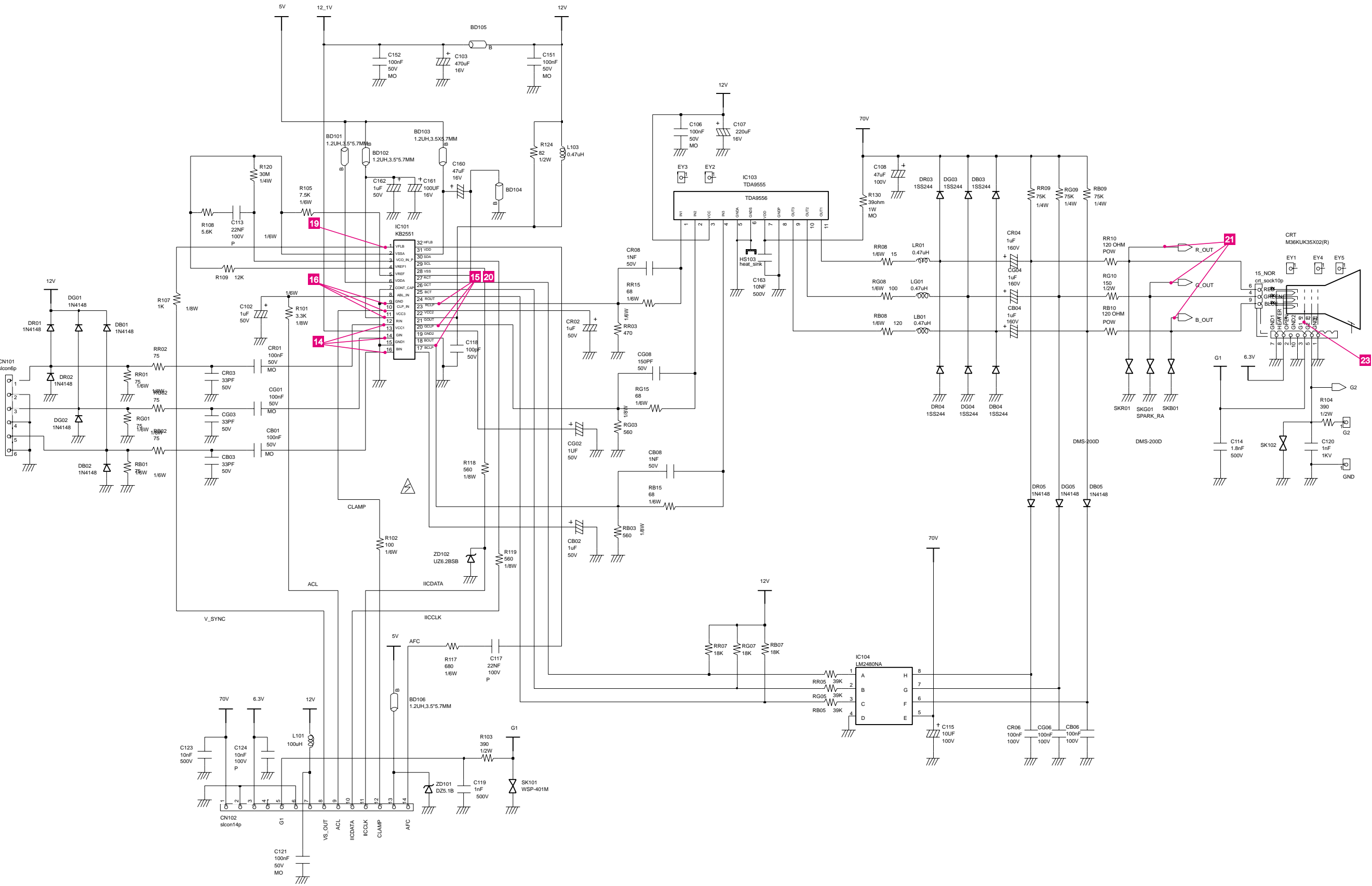
10 Schematic Diagrams

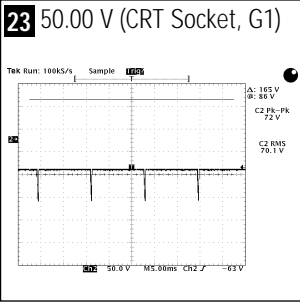
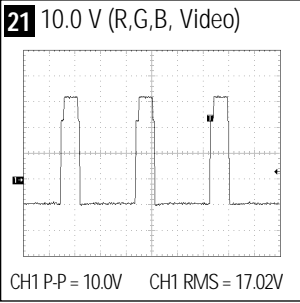
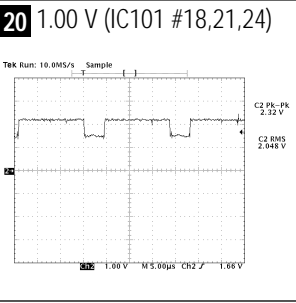
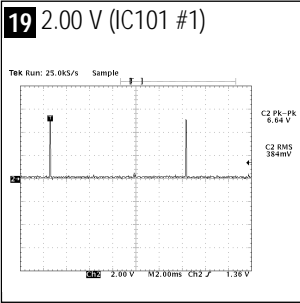
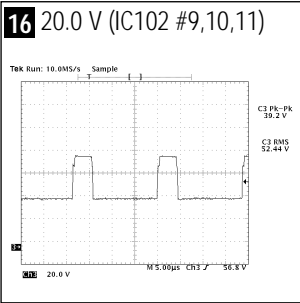
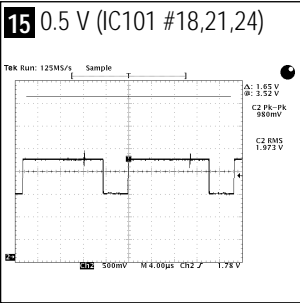
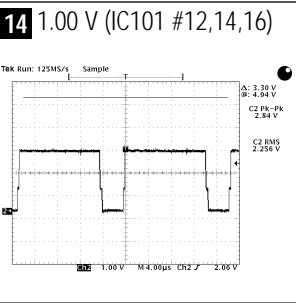
10-1 Main Part Schematic Diagram

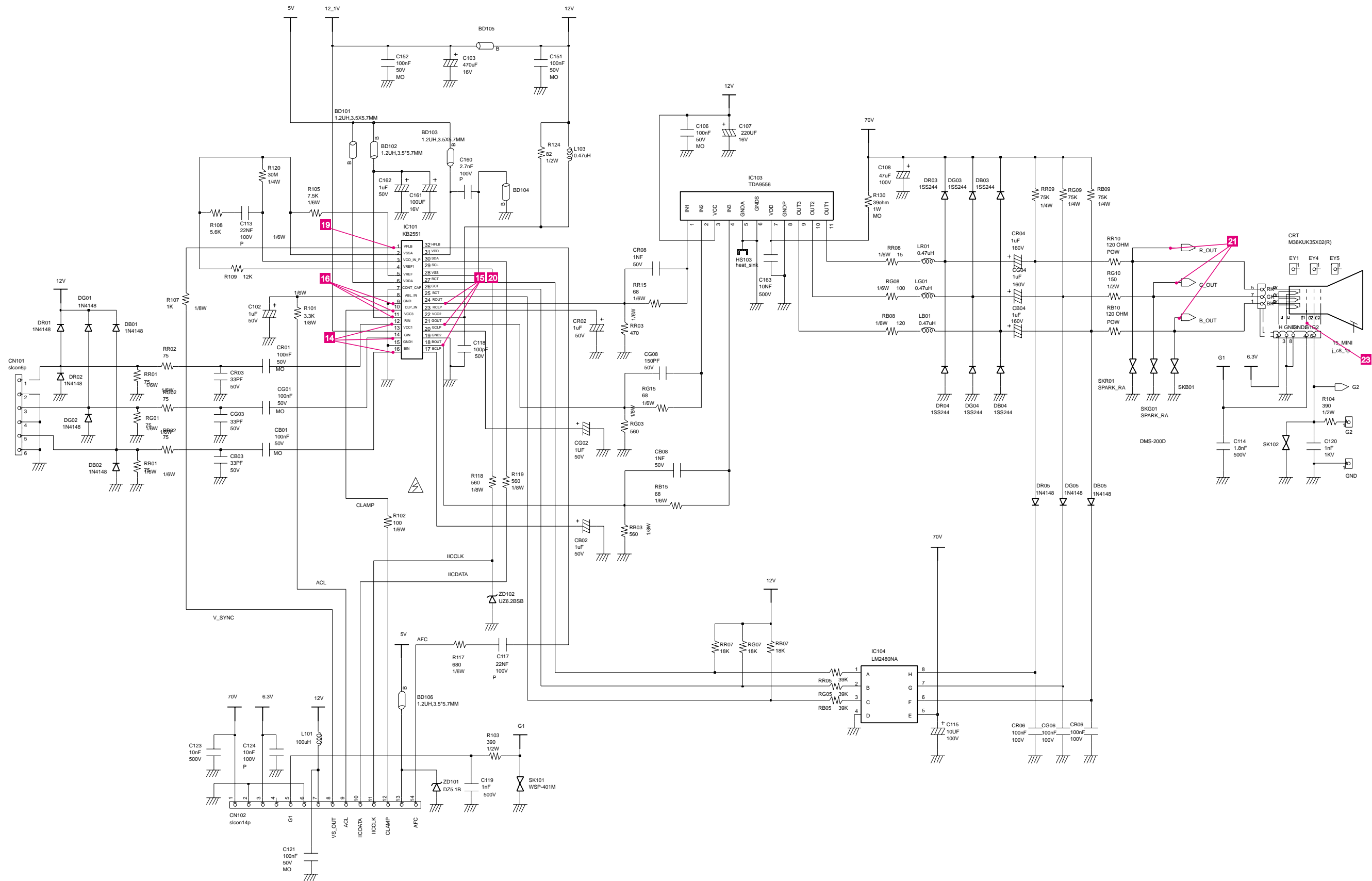


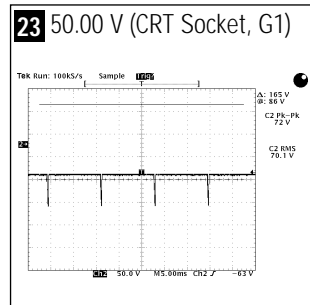
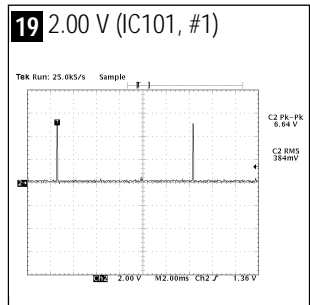


10-2 AN15VS Normal Video Part Schematic Diagram











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