



Service Manual

XGA COLOR MONITOR

Model : 902D/903Ds/904DF

◆ Power IC, Transistor or Devices Removal/Replacement

1. Heat and remove all solders from the device leads.
2. Remove the heatsink mounting screw (if applicable).
3. Carefully remove the device from the circuit board.
4. Insert new device in circuit board.
5. Solder each device lead and then clip off excess lead.
6. Replace heatsink.

◆ Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicularly to the circuit board.
3. Observing diode polarity, wrap each lead out of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect the solder joints of the two “original” leads on the circuit board copper side. If they are not shiny, reheat them and apply additional solder if necessary.

TECHNICAL INFORMATION

Model Names		902D	903Ds	904DF
CDT Size		19-inch	19-inch short length	19-inch DynaFlat
Diagonal visible image area		18-inch		
Dot Pitch		0.26 mm		0.25 mm
Synchronization	Horizontal	30 - 95 KHz		
	Vertical	50 - 160 Hz		
Plug and Play		DDC1/2B/CI		
Power Saving		EPA, VESA DPMS, Nutek Compliant		
Power Source		100-240 Vac, 50/60Hz (Free Voltage)		
Power Consumption		120 W		
Dimension(mm)		466(W)	466(W)	466(W)
(set with stand)		475.5(H)	475.5(H)	475.5(H)
		464.5(D)	408.5(D)	465(D)
Weight-unpacked(lbs/Kg)		51.8/23.5	44.0/20.0	56.2/25.5
Operating Temperature		10 ~ 40°C /50 ~ 104°F		

GENERAL INFORMATION

This color monitor automatically scans all horizontal frequencies from 30KHz to 95KHz, and all vertical frequencies from 50Hz to 160Hz. This color monitor supports IBM PC, PC/XT, PC/AT, personal System/2 (PS/2), Apple Macintosh, and compatible users crisp text and vivid color graphics display when using the following graphics adapters : (VGA, 8514/A, Super VGA, VESA and XGA and Apple Macintosh Video Card). And so, this color monitor has a maximum horizontal resolution of 1600 dots and a maximum vertical resolution of 1200 lines for superior clarity of display.

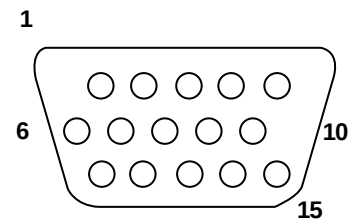
By accepting analog signal inputs which level is zero to 0.7 Volts. This color monitor can display and unlimited palette of colors depending on the graphics adapter and software being used.

◆ Abbreviations

ADJ	Adjustment
AFC	Automatic Frequency Control
CRT	Cathode Ray Tube
Def	Deflection
D.Y	Deflection Yoke
FBT	Flyback Transformer
H.SYNC	Horizontal Synchronization
OSC	Oscillator
P.S.U	Power Supply Unit
PWA	Printed Circuit Board Wiring Assembly
R.G.B	Red, Green, Blue
V.Sync	Vertical Synchronization

PIN CONNECTOR

Pin	Signal
1	Red
2	Green
3	Blue
4	GND
5	GND
6	GND - Red
7	GND - Green
8	GND - Blue
9	+5Vdc
10	GND - H.Sync
11	GND - V.Sync
12	Bi-directional Data (SDA)
13	Horizontal Sync
14	Vertical Sync (VCLK)
15	Data Clock (SCL)



Arrangement of 15-pin D-sub connector

CAUTIONS FOR ADJUSTMENT AND REPAIR

- Degaussing is always required when adjusting purity or convergence.
- The white balance adjustment has been done by a color analyzer in factory. The adjustment procedure, described in the service manual is made by a visual check.
- Allow 20 minutes warm-up time for the display before checking or adjusting only electrical specification or function.
- Reform the leadwire after any repair work.

◆ Caution For Servicing

- In case of servicing or replacing CRT, high voltage sometimes remains in the anode of the CRT. Completely discharge high voltage before servicing or replacing CRT to prevent a shock to the serviceman.

OPERATION AND ADJUSTMENT

Control Panel



- Move cursor to the right window on the OSD window.
- Increase the value of any selected function.



- Move cursor to the left window on the OSD window.
- Decrease the value of any selected function.



- Launch OSD(On-Screen Display) MENU window.

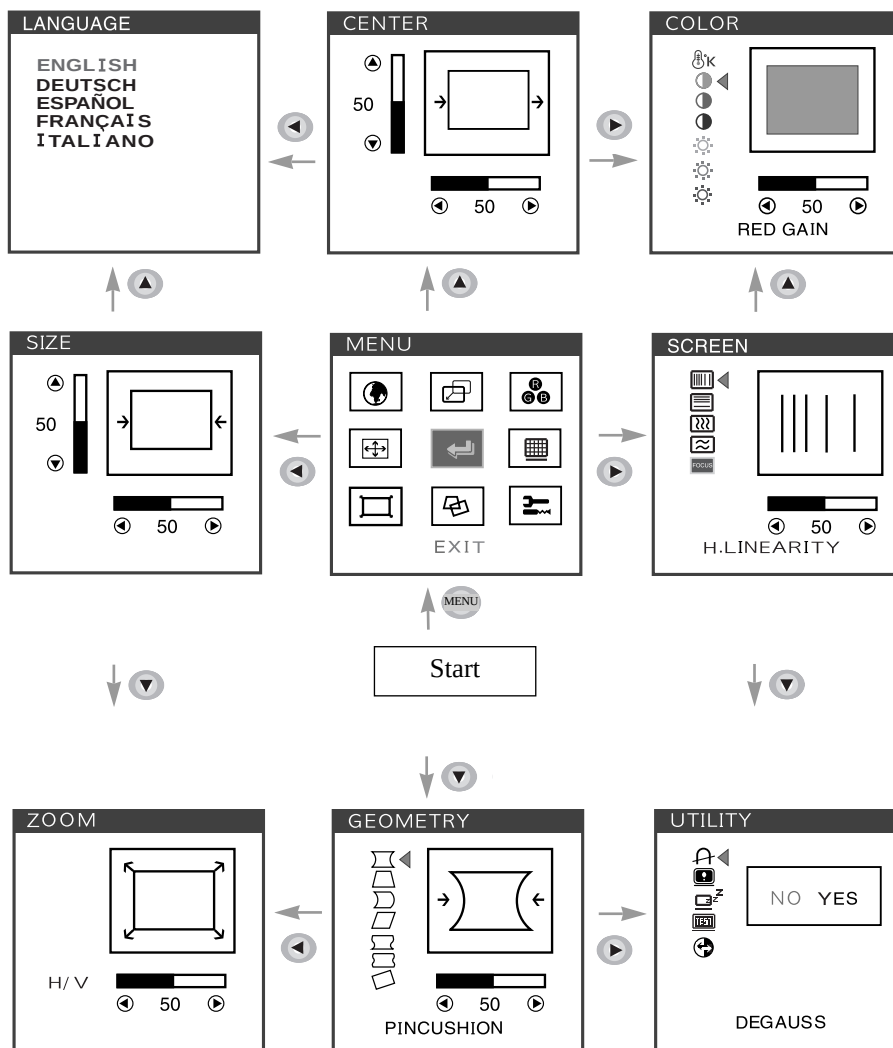


- Move cursor to the high window on the OSD window.
- Increase the value of V.size or V.center.



- Move cursor to the low window on the OSD window.
- Decrease the value of V.size or V.center.

Key Process



- When you choose the icon  on the OSD window, you can exit the OSD screen.

Hot Key



OSD Functions

ICON	CONTROL	FUNCTIONS
	LANGUAGE	Select language for OSD (5 languages).
	H. CENTER & V. CENTER	Adjust the position of the display horizontally(left or right) and vertically (up or down).
	COLOR TEMP	Choose different preset color temperatures or set your own customized color parameters.
	RED GAIN	Adjust the red gain.
	GREEN GAIN	Adjust the green gain.
	BLUE GAIN	Adjust the blue gain.
	RED BIAS	Adjust the red bias.
	GREEN BIAS	Adjust the green bias.
	BLUE BIAS	Adjust the blue bias.
	H. SIZE & V. SIZE	Adjust the width (horizontal size) and the height (vertical size) of the display.
	H. LINEARITY	Adjust the horizontal linearity.
	V. LINEARITY	Adjust the vertical linearity.
	H. MOIRE	Adjust the horizontal picture moire cancellation.
	V. MOIRE	Adjust the vertical picture moire cancellation.
	FOCUS	Adjust the focus image.
	ZOOM	Adjust the display width & height at the same time.

ICON	CONTROL	FUNCTIONS
	PINCUSHION	Adjust the left and right margins for more convex or more concave margins.
	TRAPEZOID	Adjust the trapezoid of the screen by moving the lines inward or outward.
	PIN BALANCE	Adjust the side balance when the sides of the screen are bowed towards left or right.
	PARALLELOGRAM	Adjust the parallelogram when the screen is leaning left or right.
	PIN S Control	Adjust the pin S control when the sides of the screen are in a S shape.
	PIN W Control	Adjust the pin W control when the sides of the screen are in a W shape.
	ROTATION	Adjust the rotation when the screen is tilted left or right.
	DEGAUSS	Degauss the display and restore image quality.
	STATUS	Display horizontal & vertical frequency and polarity.
	POWER SAVER	YES : VESA DPMS operation. NO : NO DPMS operation.
	TEST PATTERN	Display a RGB Color Bar to determine whether the screen color is expressed normally or not.
	RECALL	Reset the screen to the Factory Preset Display Settings.

ALIGNMENT PROCEDURE

◆ Standard Adjustment Conditions

1. Power source voltage : AC 100 - 240Vac, 50/60Hz.
2. Aging : Take at least 15 minutes warm-up time.
3. Signals.
 - Video : Analog 0.7Vpp 75W terminal positive polarity
 - Synchronizing : Composite H+V Sync : 1.0Vpp ~ 5.0Vpp (Positive / Negative)
 - Separate H, V Sync : TTL Level (Positive / Negative)
 - Deflection frequency
 - Horizontal Frequency : 30KHz - 95KHz
 - Vertical Frequency : 50Hz - 160Hz

◆ Pre-Adjustment

1. HV Adjustment
 - Adjust VR151 for 26KV(902D, 904DF) / 26.5KV(903Ds) at 91KHz mode.

◆ Main Adjustment

1. Setting the Controls
 - Set contrast and brightness in Control Menu unless otherwise specified.
 - Contrast : Max.
 - Brightness : Center
2. H.size, H.phase, V.size, H.phase, Side Pincushion, Pincushion S, Pincushion W, Trapezoid, Parallelogram, Rotation, Pin Balance, H.Linearity, V.Linearity
 - Receive the cross hatch pattern of Factory preset mode.
 - H.size, H.phase, V.size, H.phase, Side Pincushion, Pincushion S, Pincushion W, Trapezoid, Parallelogram, Rotation, Pin Balance, H.Linearity, V.Linearity controls are adjusted at each mode.
 - In Factory, Auto Alignment was done at each mode. Therefore, Factory preset mode have their own value according to each control.
3. Focus
 - (a) Set brightness control to center and contrast control to Maximum.
 - (b) Receive all "H" character pattern of 91KHz mode signal.
 - (c) Adjust the Static Focus VR to obtain best H.Focus.
 - (d) Adjust the Dynamic Focus VR to obtain best V.Focus.
 - (e) If the H/V Focus is not satisfactory, readjust the Static / Dynamic Focus.
4. White Balance Adjustment
 - (a) Select 9300°K on the OSD Menu.
 - (b) Receive a full white pattern of 91KHz mode signal by using the signal generator.
 - (c) Set the brightness control to 60 and the contrast control to maximum.
 - (d) Cut off the FBT screen VR.
 - (e) Receive all the black patterns. The luminance of the screen should be 0.2 ± 0.03 Ft-L by using Screen VR.
 - (f) Select the R-BIAS, G-BIAS and B-BIAS on the control menu and adjust the ◀/▶ key to get the color coordinates in $x=0.281 \pm 0.015$, $y=0.311 \pm 0.015$.
 - (g) Receive a small block pattern. Adjust the brightness value to the center.
 - (h) Select the R-GAIN and B-GAIN and adjust the ◀/▶ key to get the color coordinates in $x=0.281 \pm 0.015$, $y=0.311 \pm 0.015$.
 - (i) Adjust the ABL(at the OSD) control to get the screen luminance to 37 Ft/L (a small block pattern).
 - (j) Receive a full white pattern. Adjust VR201(Sub-contrast) to get the screen luminance to 27 Ft-L. Check if the x, y coordinates of color analyzer is in $x=0.281 \pm 0.015$, $y=0.311 \pm 0.015$. If the color coordinates is out of range, adjust the R. G. B BIAS & GAIN to get the coordinates in $x=0.281$, $y=0.311$. Make sure that the coordinates is in the appropriate range.

(k) Select 6550°K on the OSD Menu and set the color coordinates in $x=0.313$, $y=0.329$ at the maximum contrast control and center brightness control

(l) Check if a full white pattern is over 27Ft/L.

5. Static Convergence Adjustment

(a) Apply a magenta cross hatch pattern on display.

(b) Adjust the focus from the best over all focus on the display.

Also adjust the brightness to the desired condition.

(c) Vertical red and blue lines are converged by varying the angles between the two tabs of the 4-pole magnets.

(d) Horizontal red and blue lines are converged by varying the tabs together and keeping the angle between them constant.

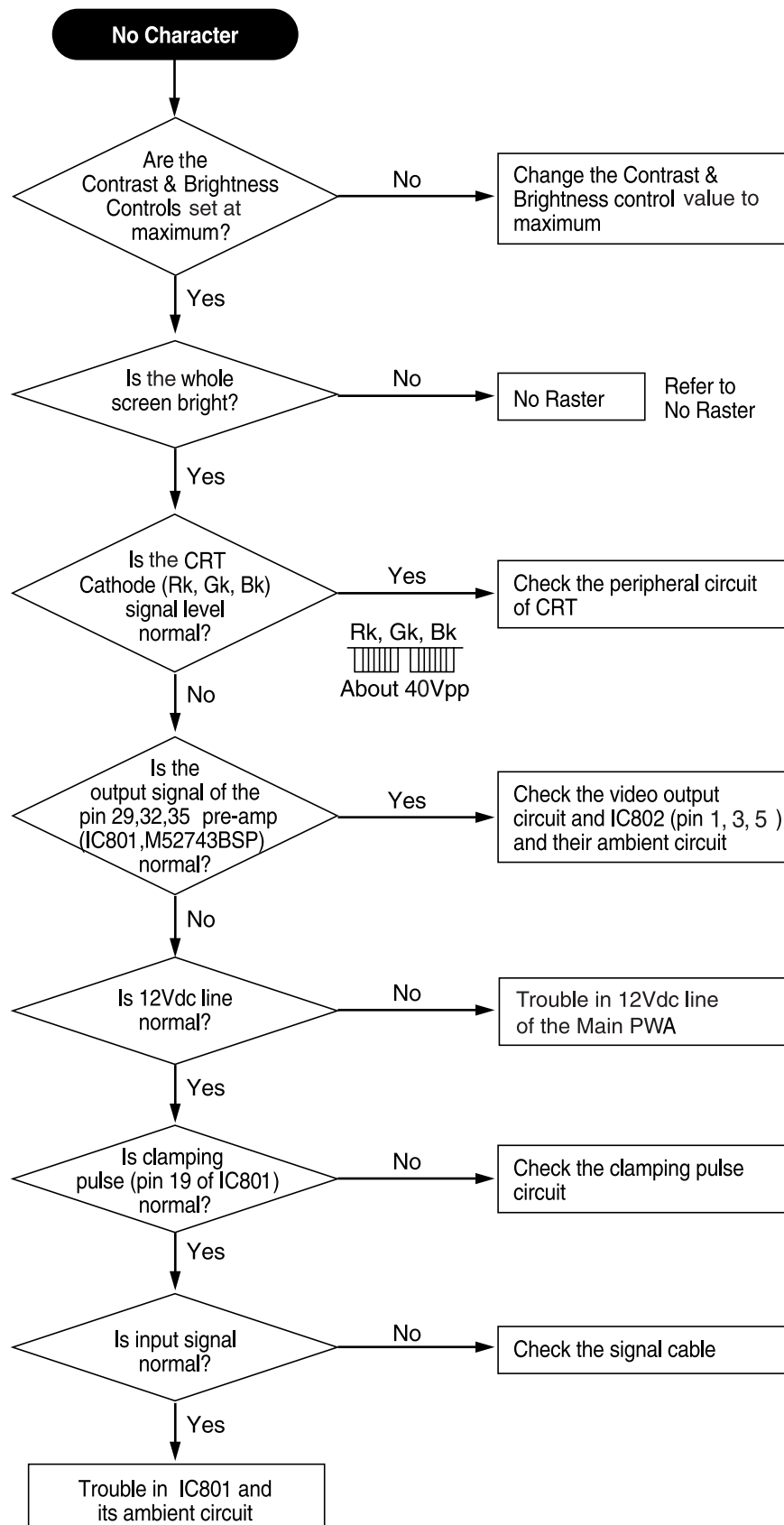
(e) Apply a yellow cross hatch pattern on the display.

(f) Vertical green and red lines are converged by varying the angle between the two tabs of the 6-pole magnets.

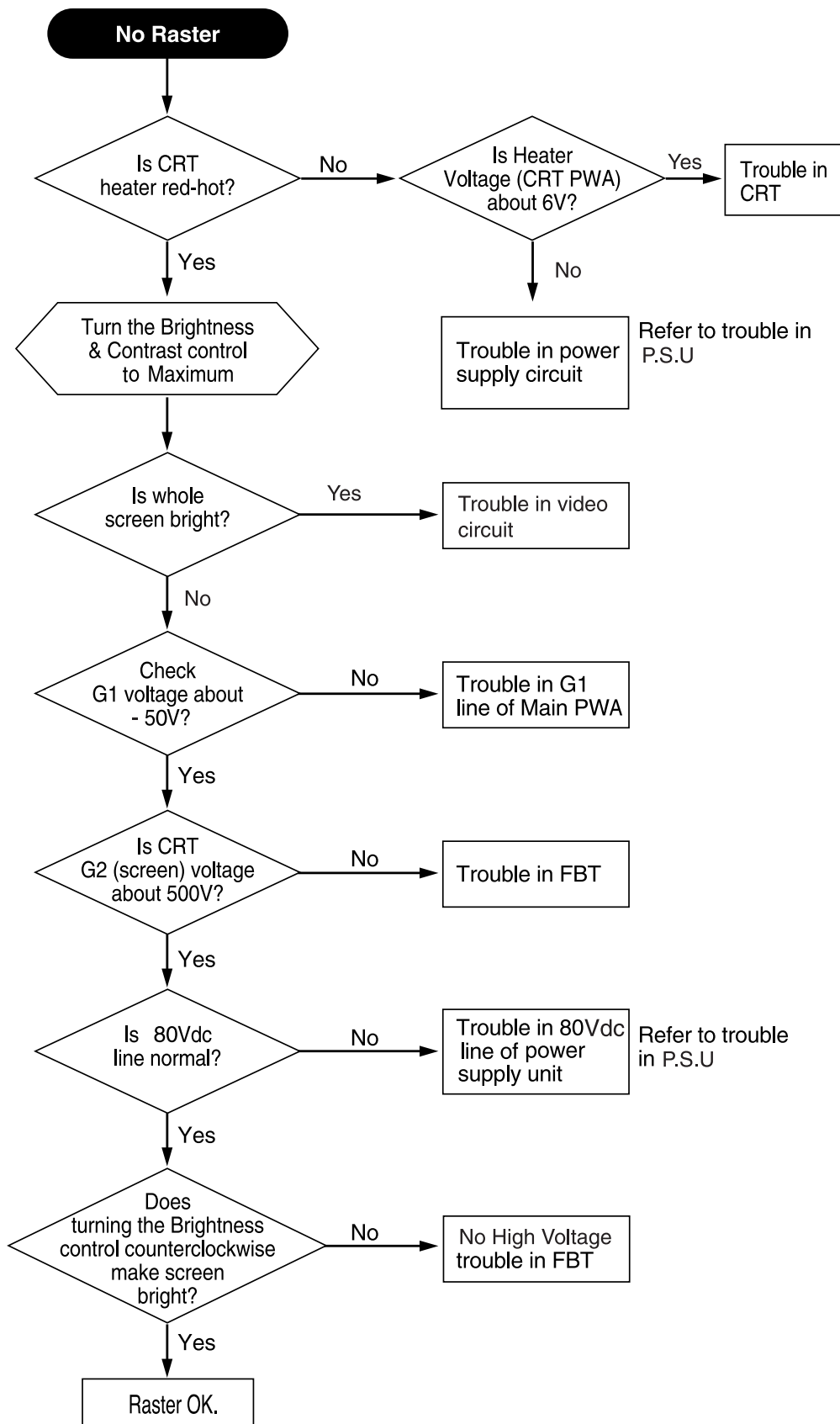
(g) Horizontal green and red lines are converged by varying the tabs together and keeping the angle between them constant.

TROUBLESHOOTING HINTS

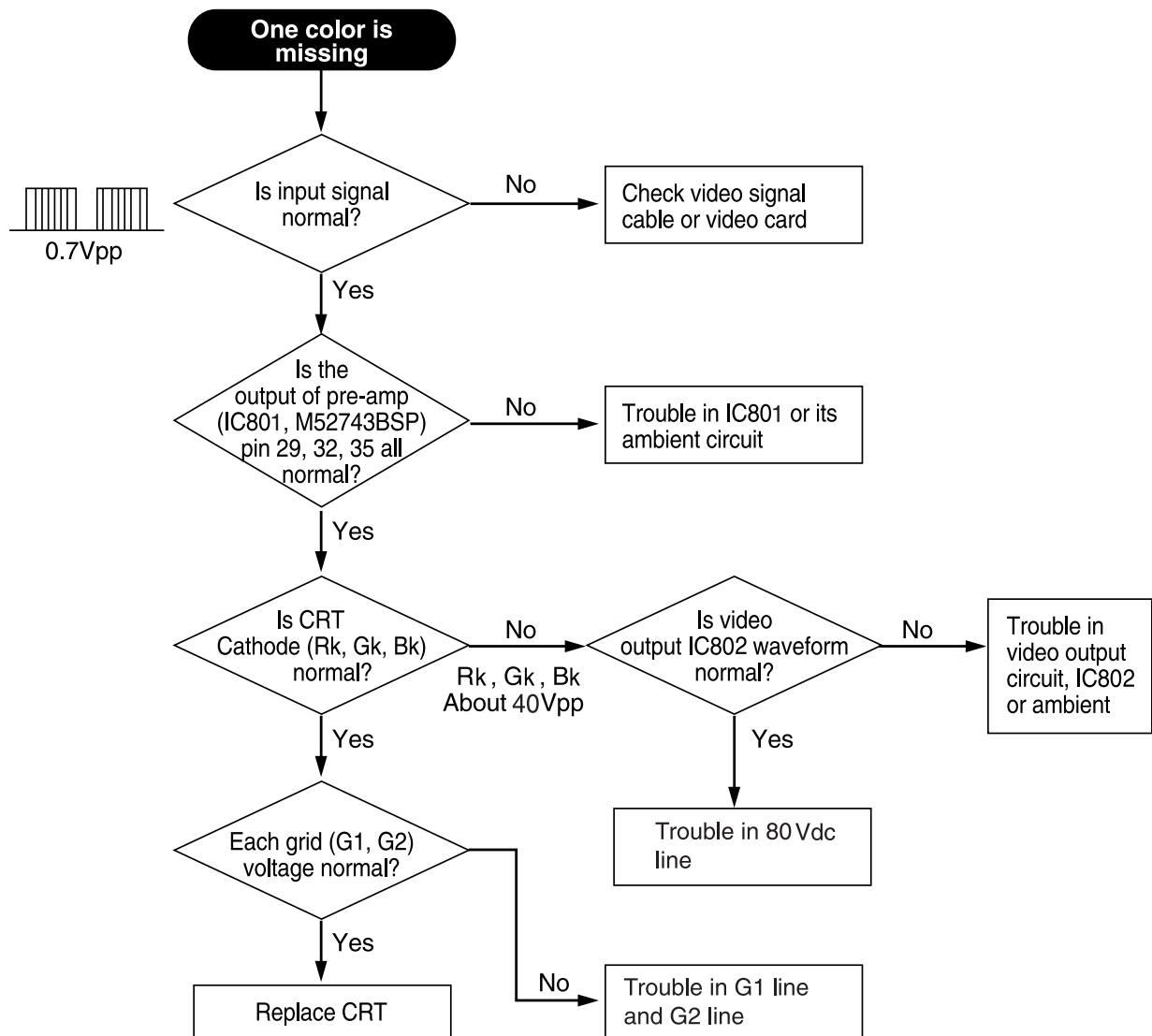
1. No Character



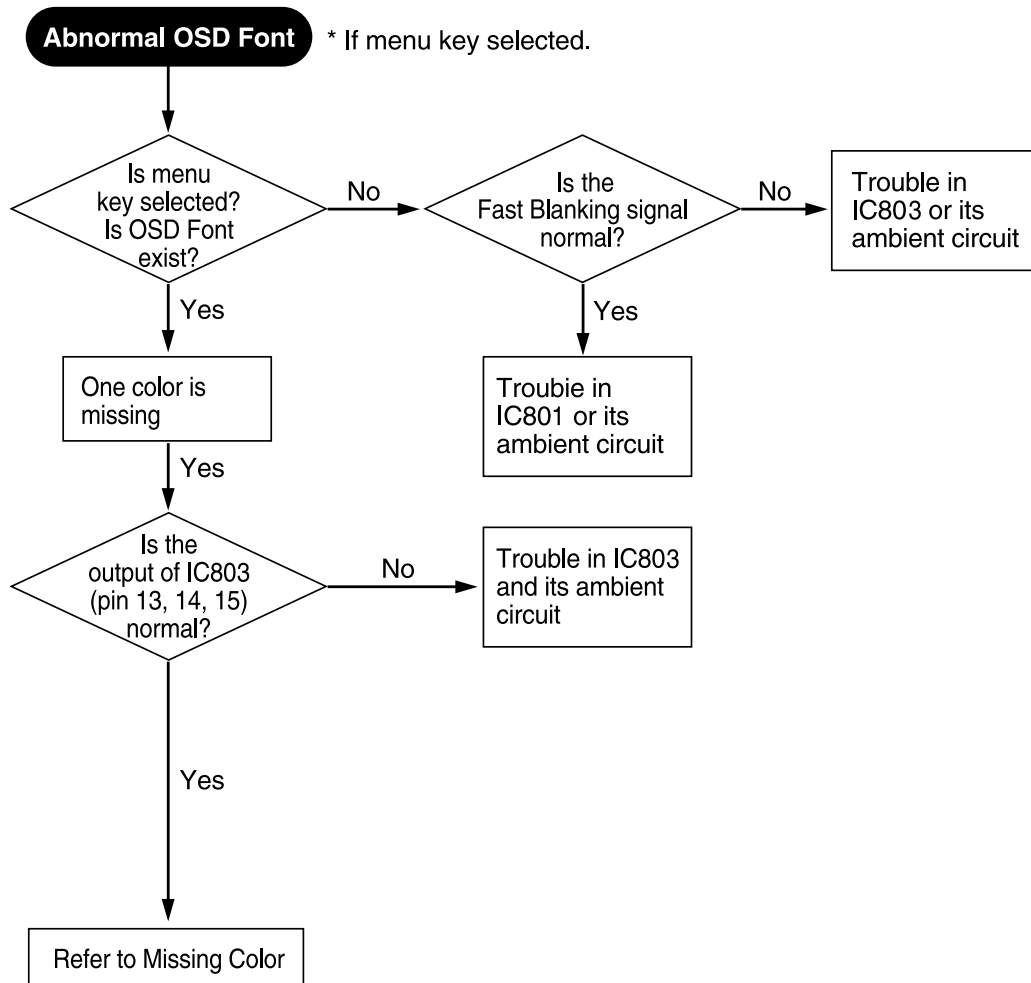
2. No Raster



3. A Missing Color

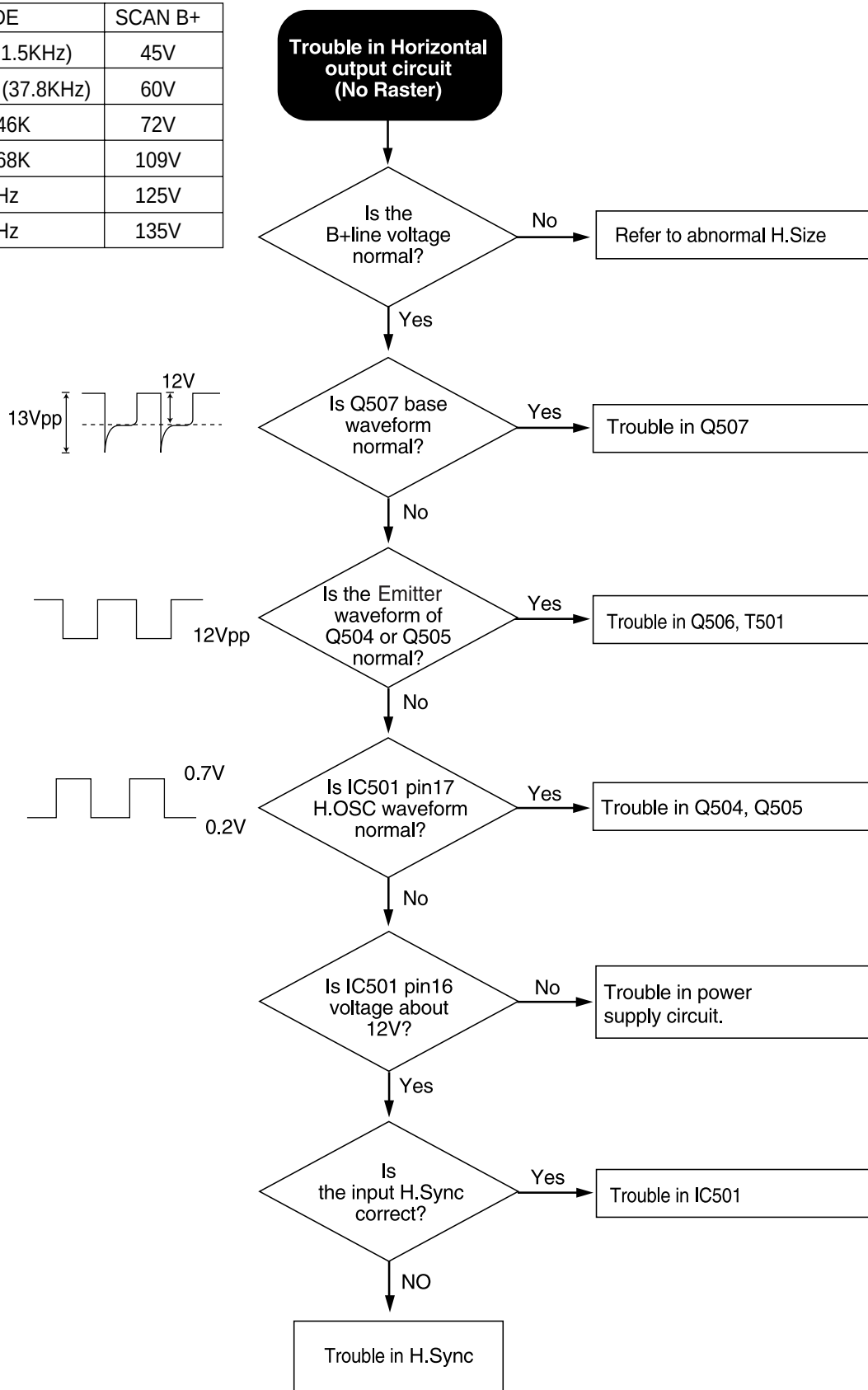


4. Abnormal OSD Font



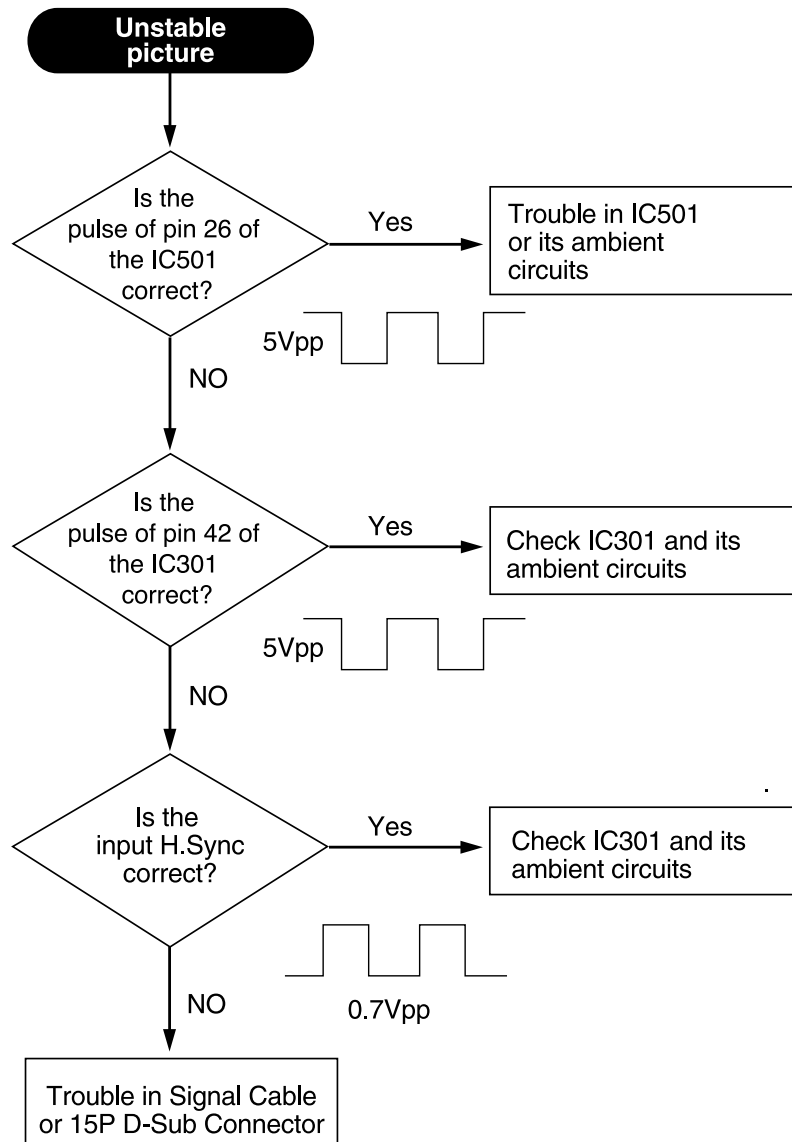
5. Horizontal Output Circuit

MODE	SCAN B+
VGA (31.5KHz)	45V
S.VGA (37.8KHz)	60V
XGA 46K	72V
CAD 68K	109V
79KHz	125V
93KHz	135V

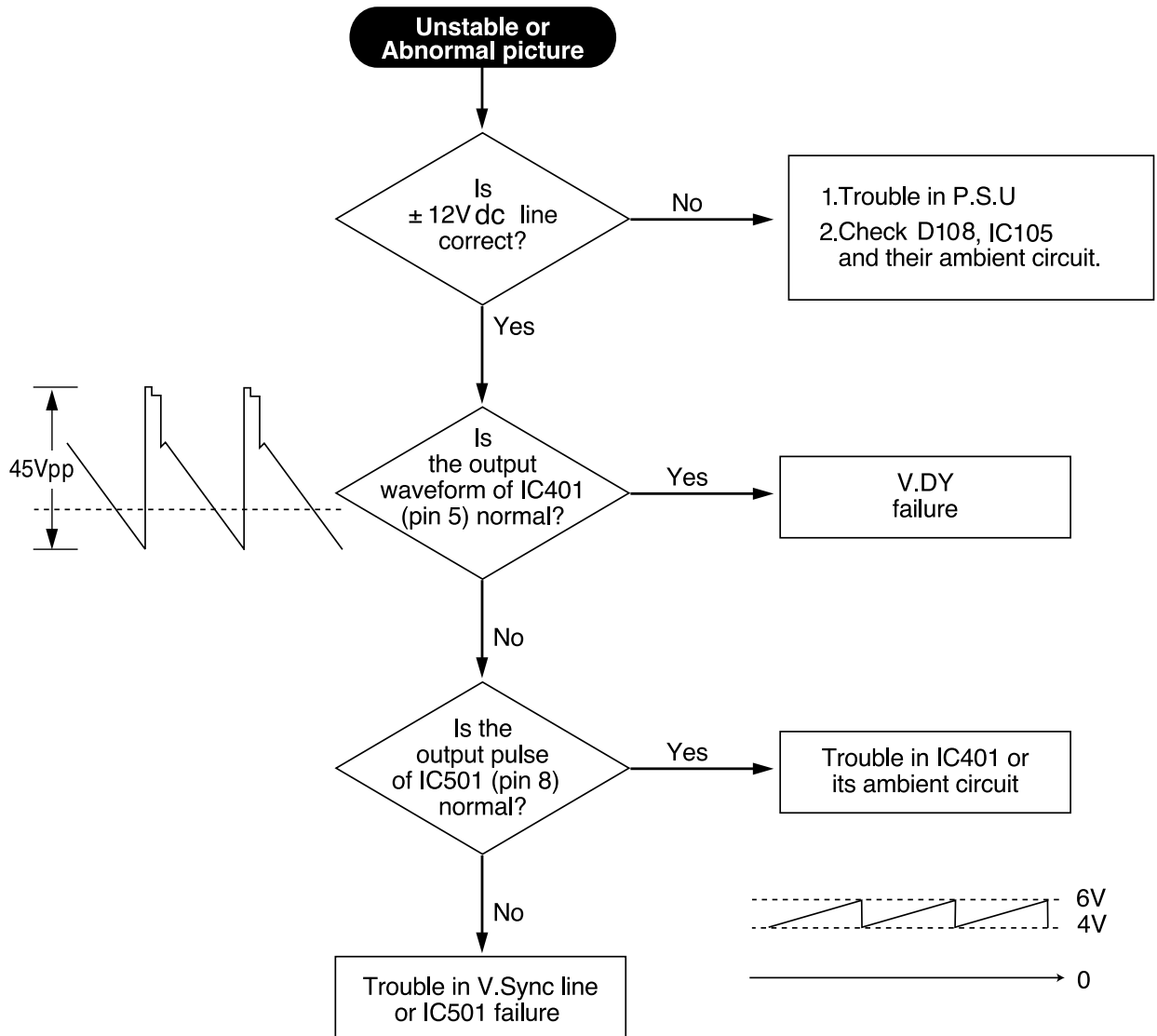


6. Unstable Picture

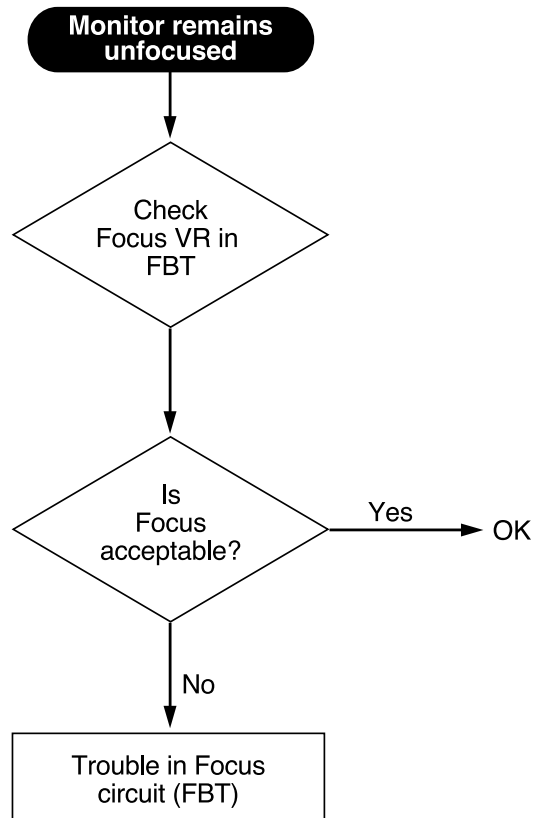
6-1. Horizontal



6-2. Vertical



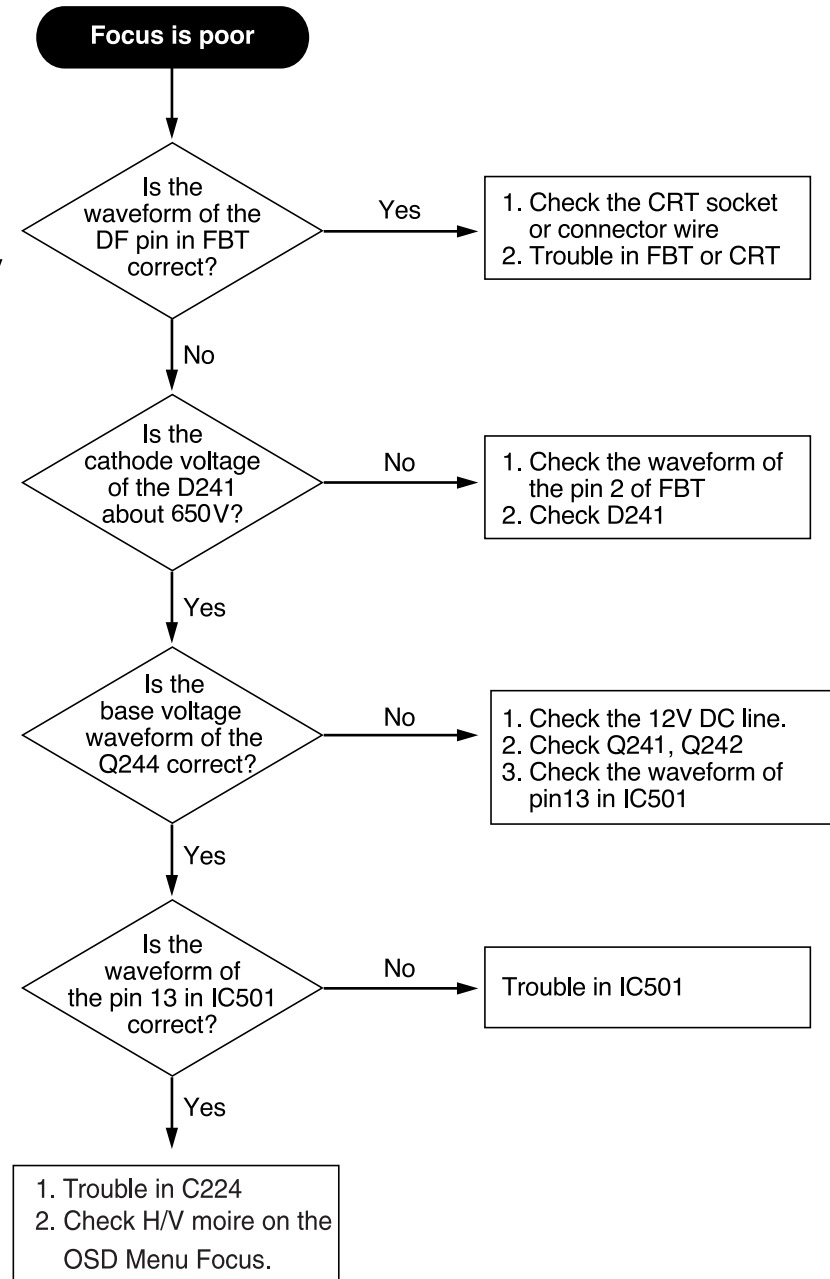
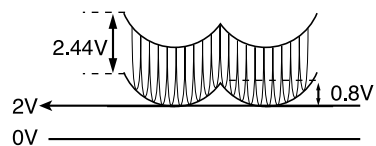
7. Focus



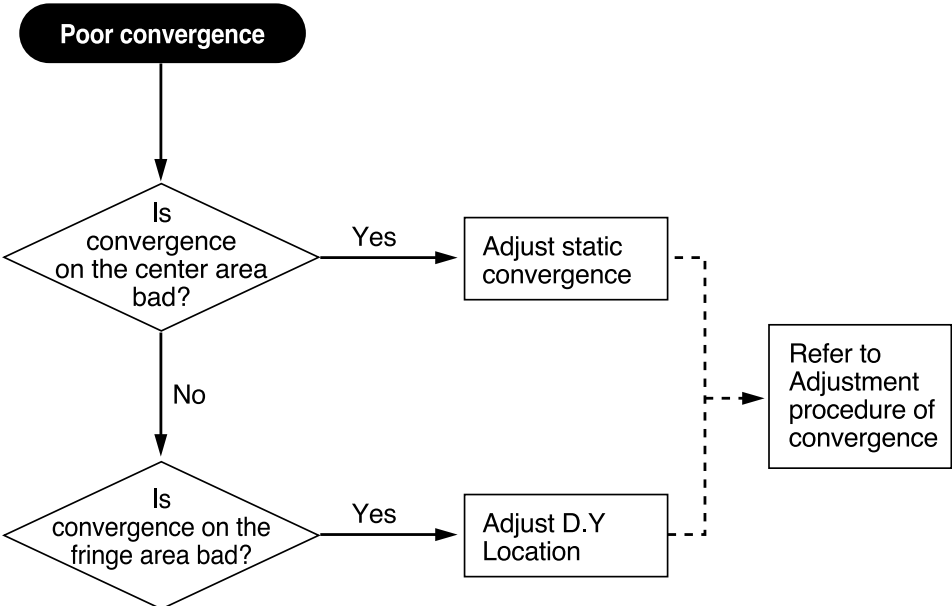
7-1. Dynamic Focus

* SAMSUNG CRT

	FvH	FvV
902D	320V	180V
903Ds	400V	200V
904DF	350V	180V



8. Convergence



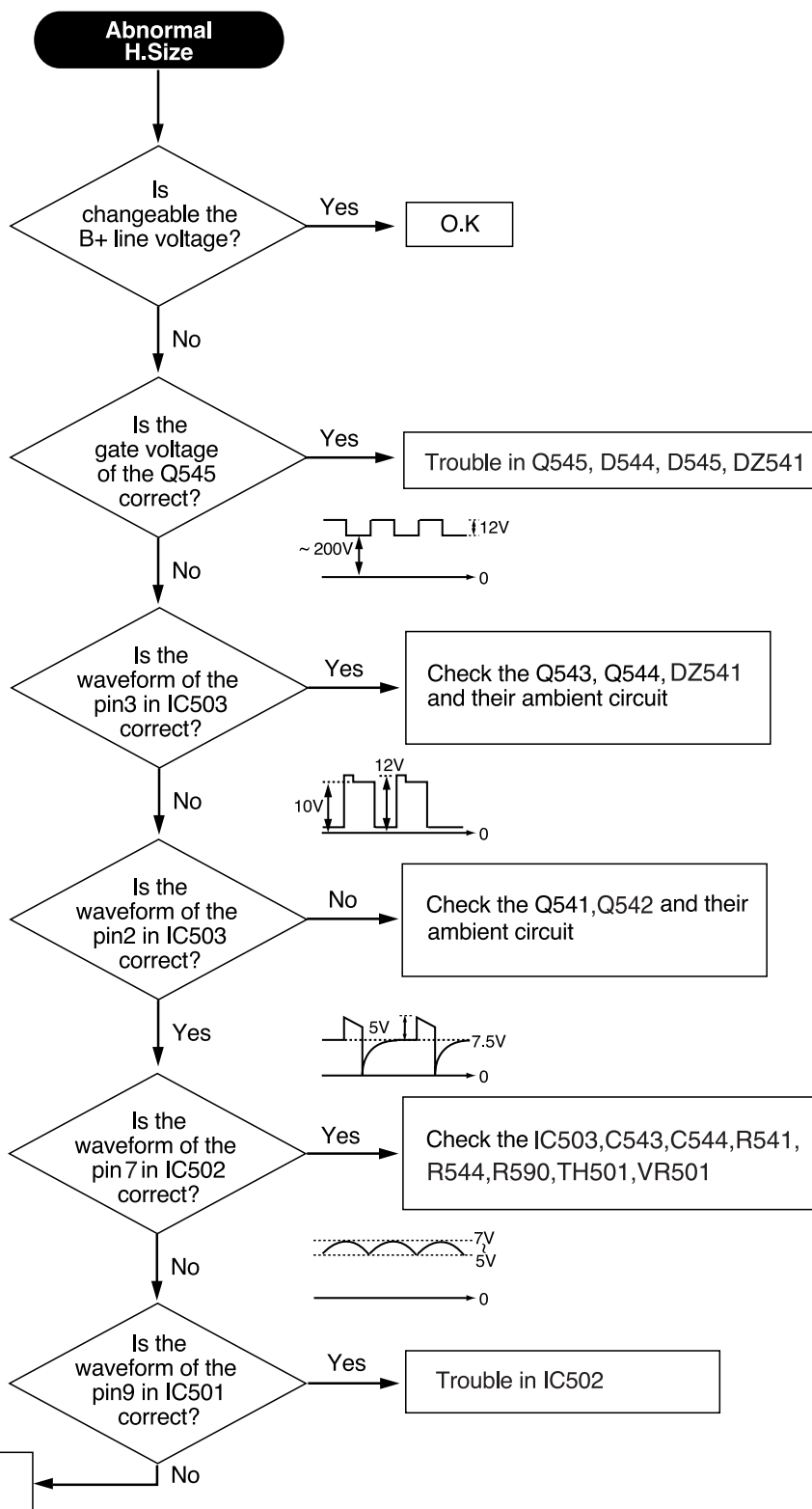
9. Abnormal Picture

9-1. Horizontal Size

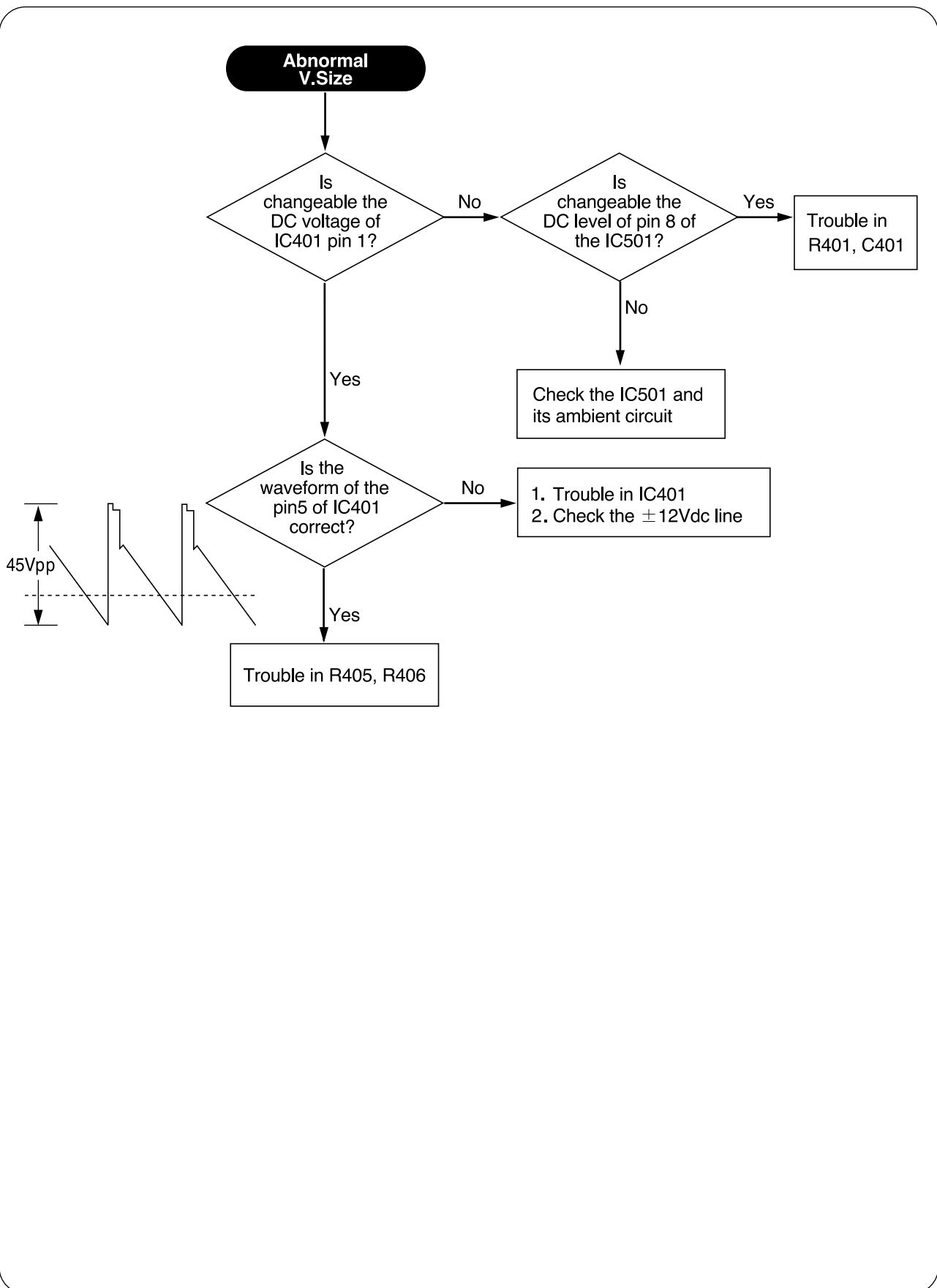
* At first, adjust controls in the OSD Menu

* The B+ are as follows:

MODE	Scan B+
VGA	45V
S.VGA	60V
XGA 46K	72V
CAD 68K	109V
79K	125V
93K	135V

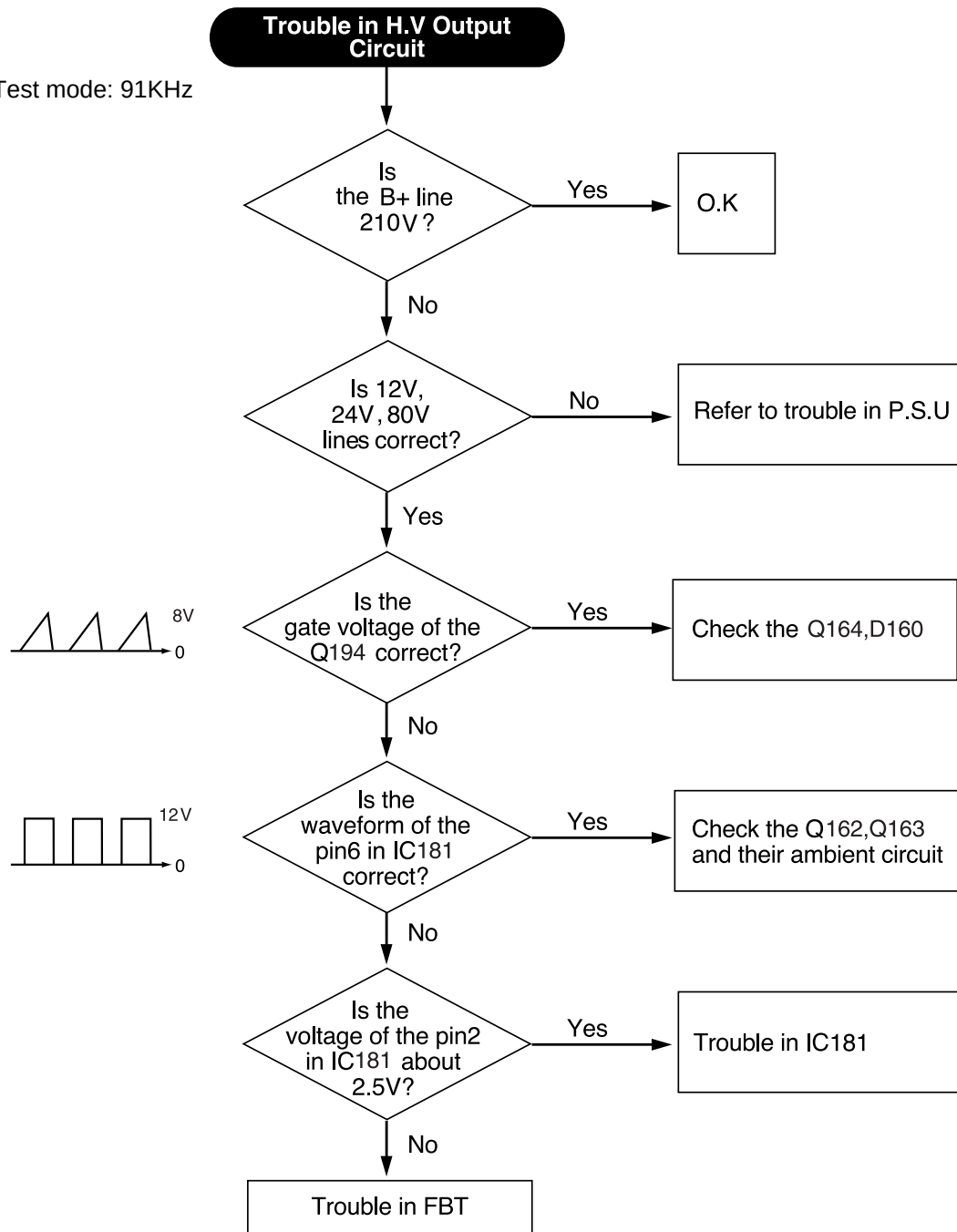


9-2. Vertical Size

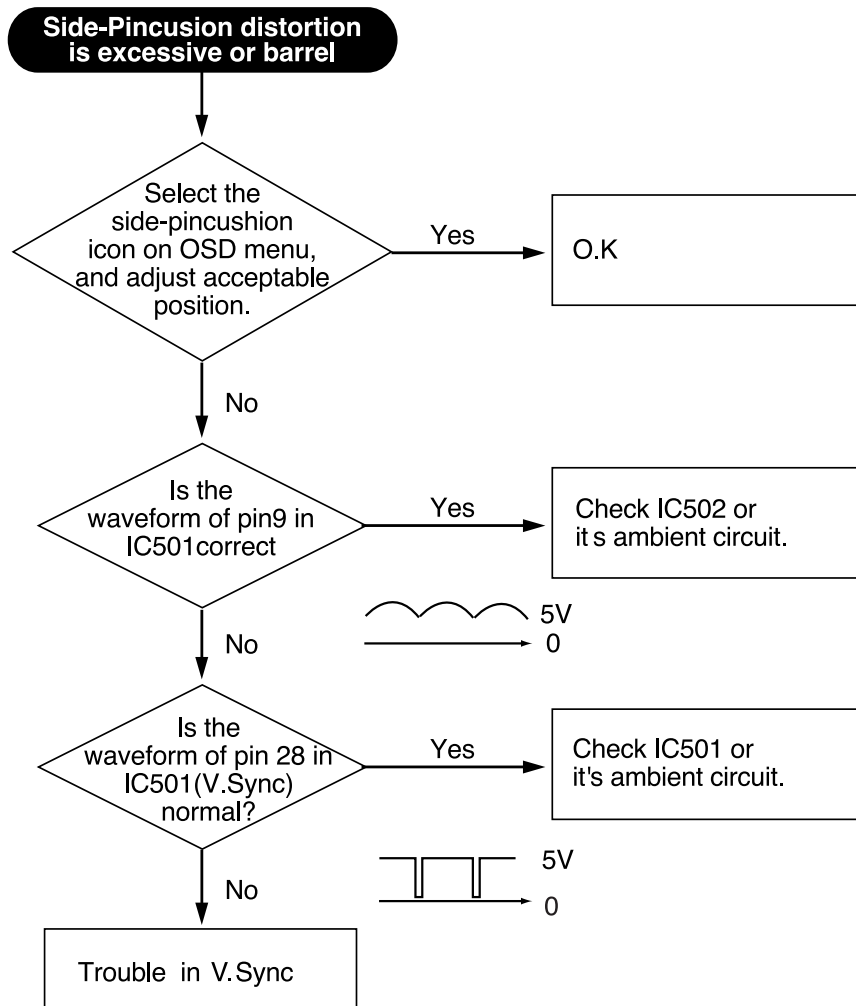


10. High Voltage Output Circuit

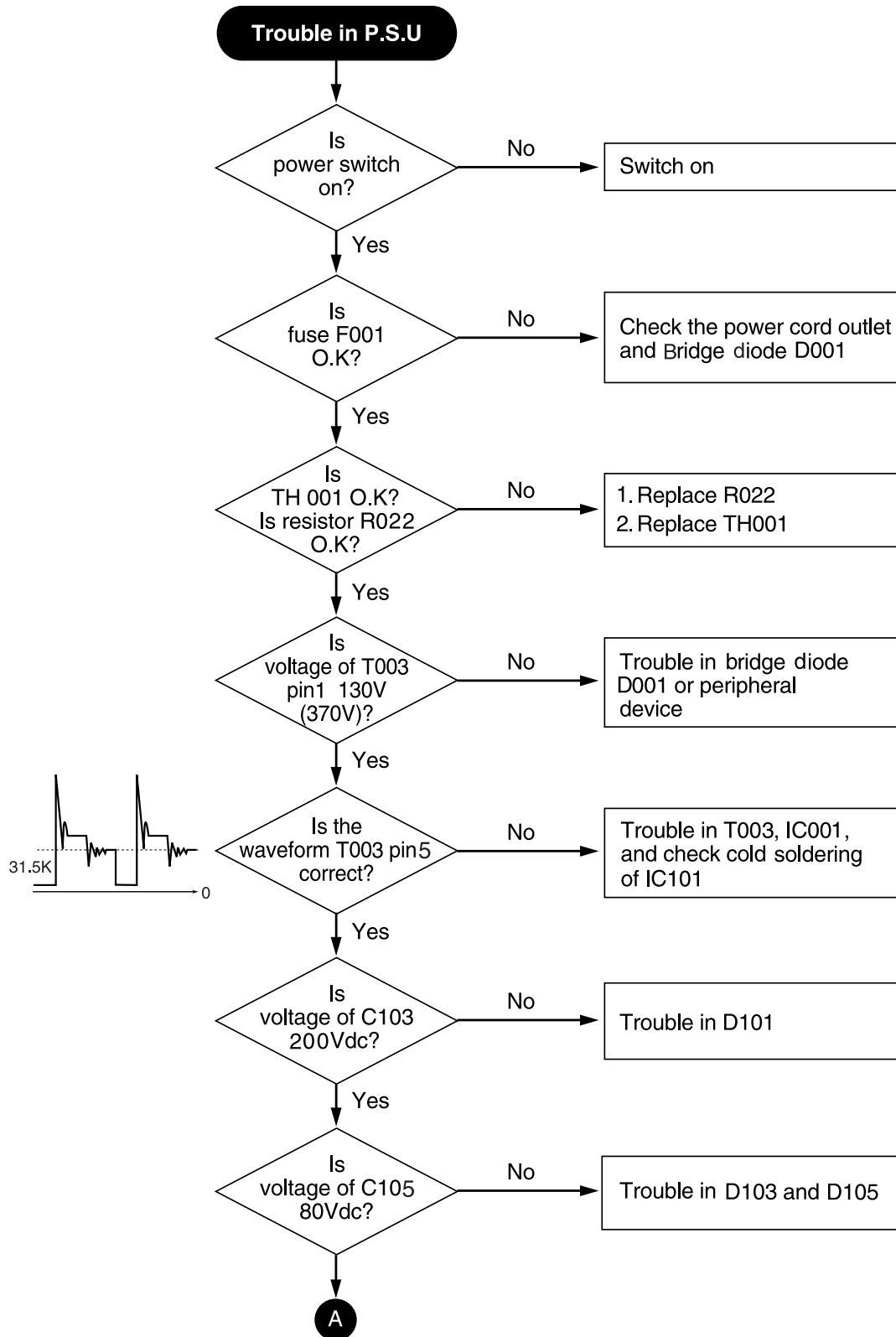
Test mode: 91KHz

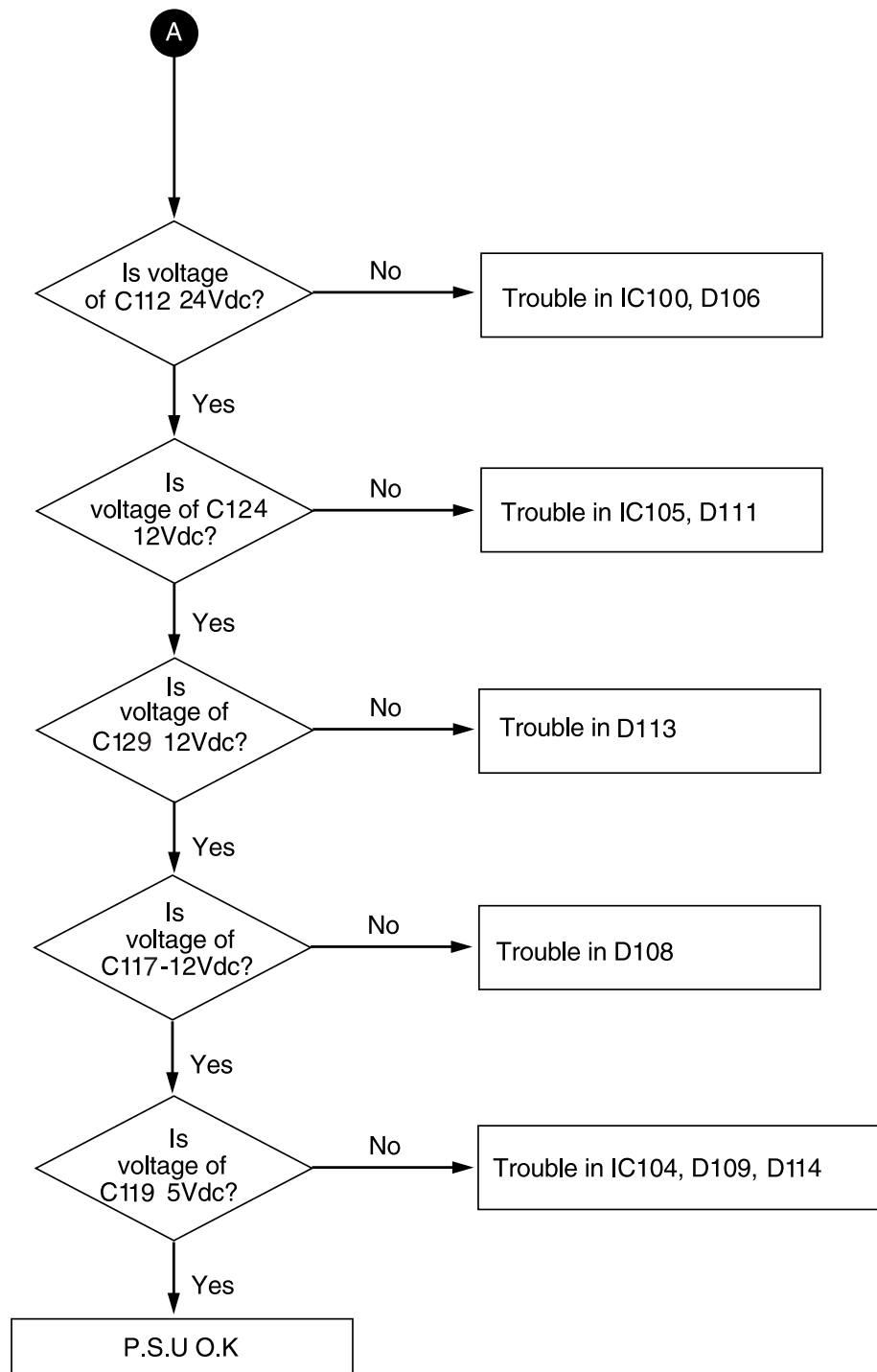


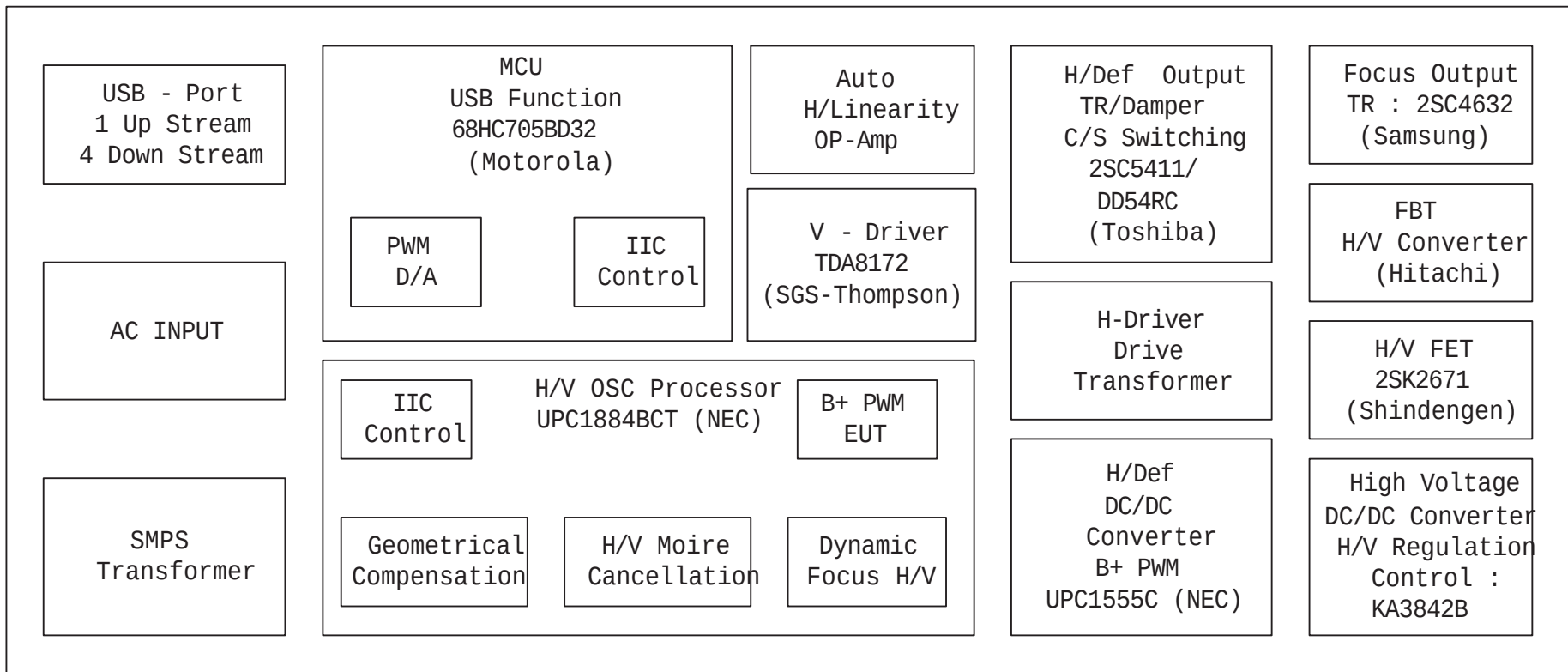
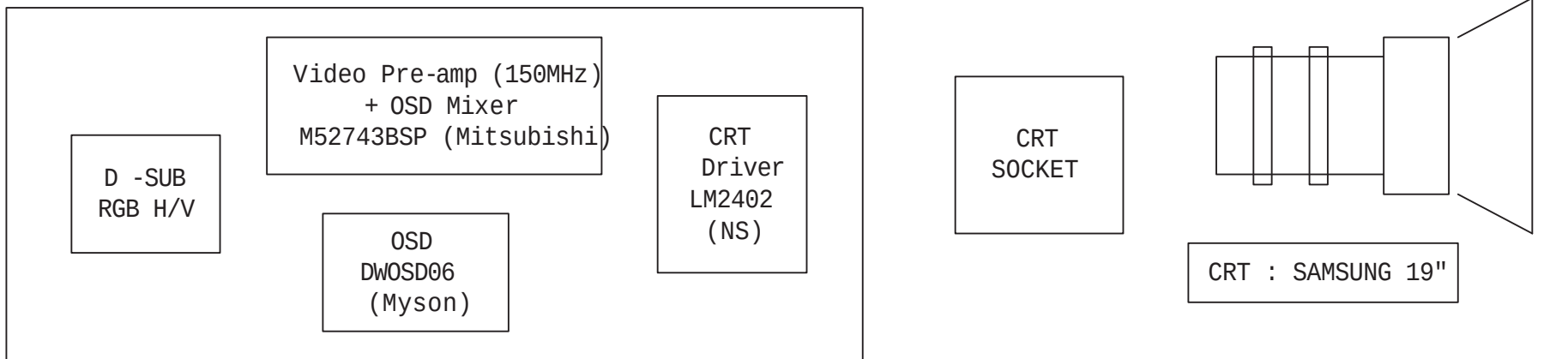
11. Side-Pincushion Circuit



12. Power Supply Unit (P.S.U)

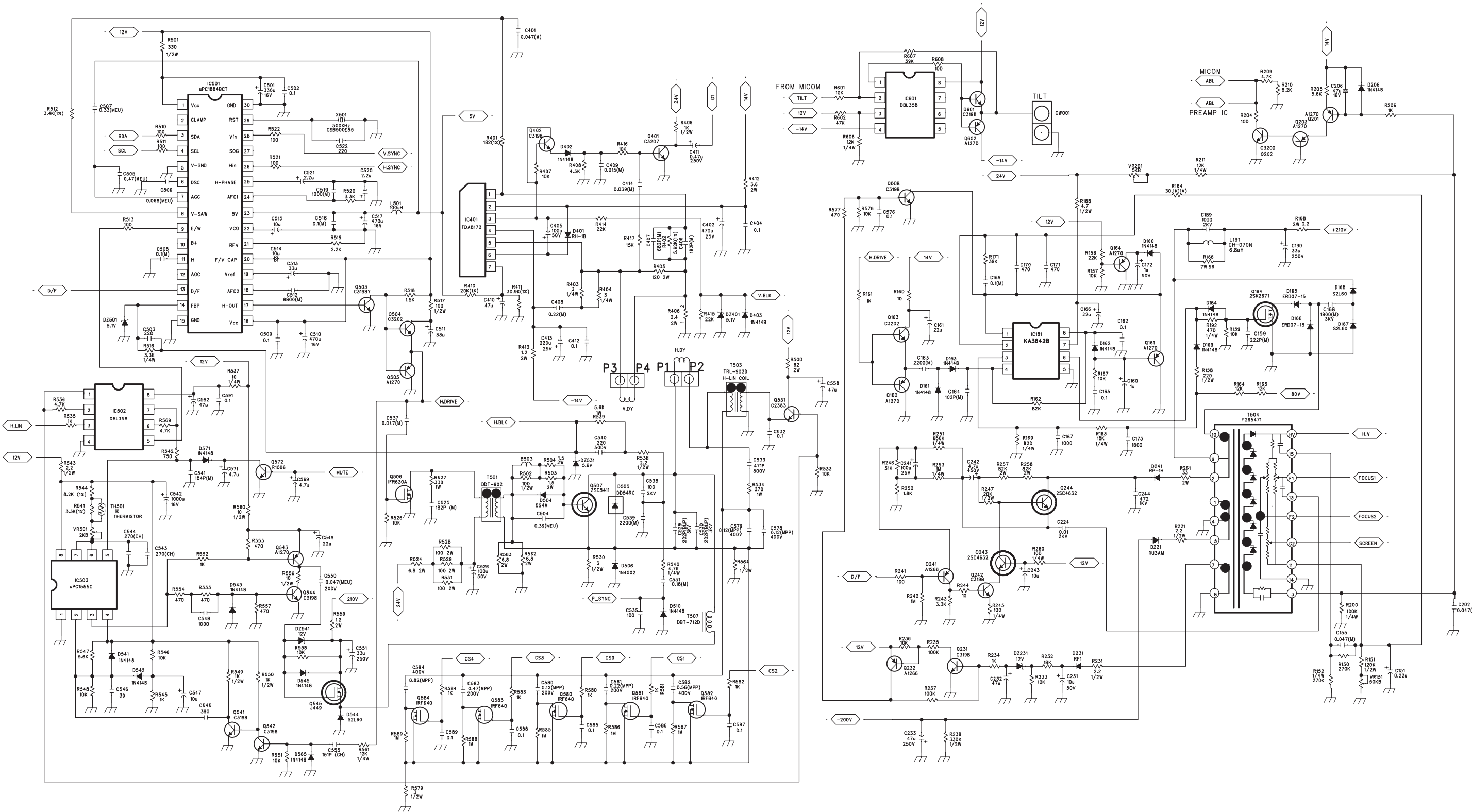






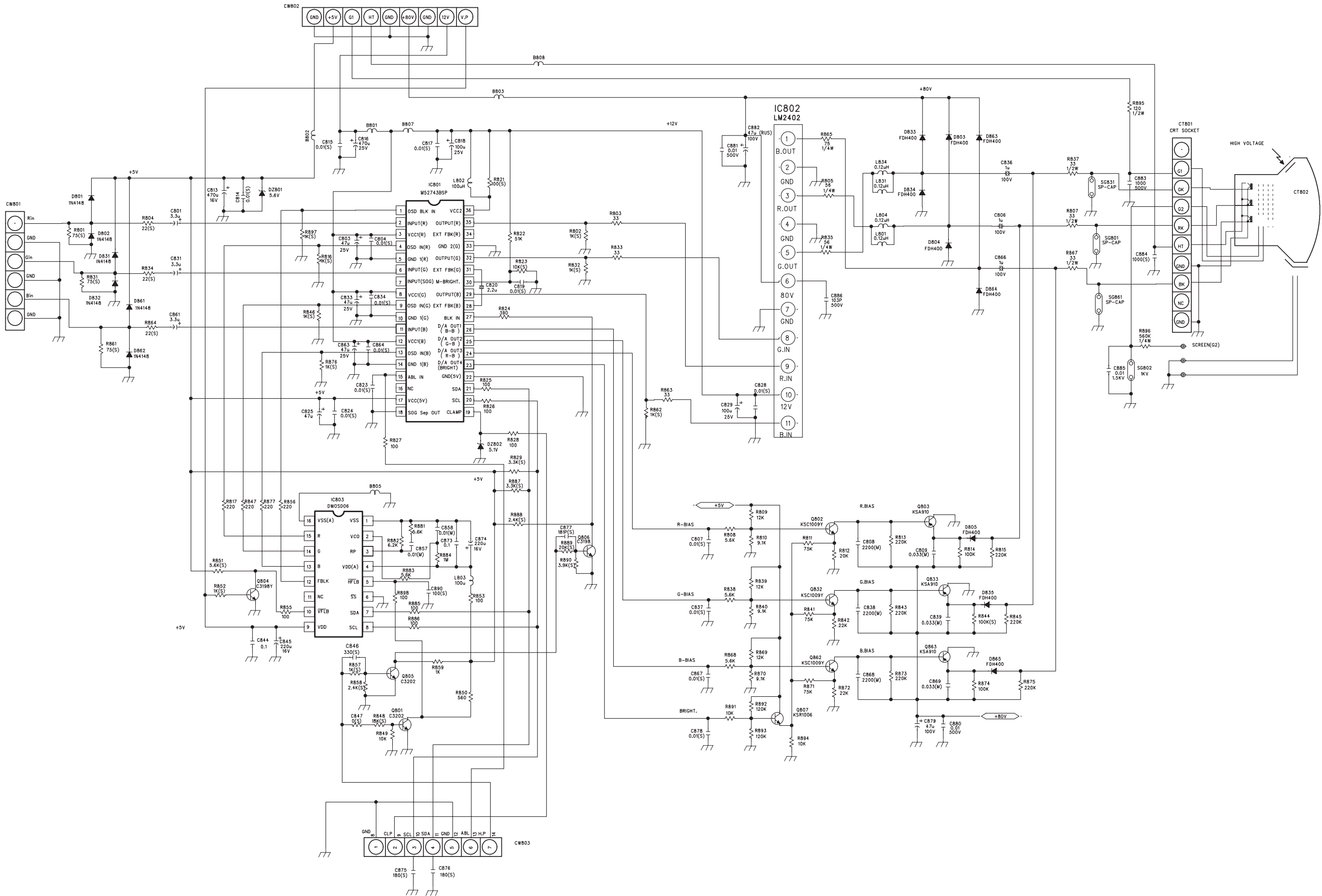
SCHEMATIC DIAGRAM

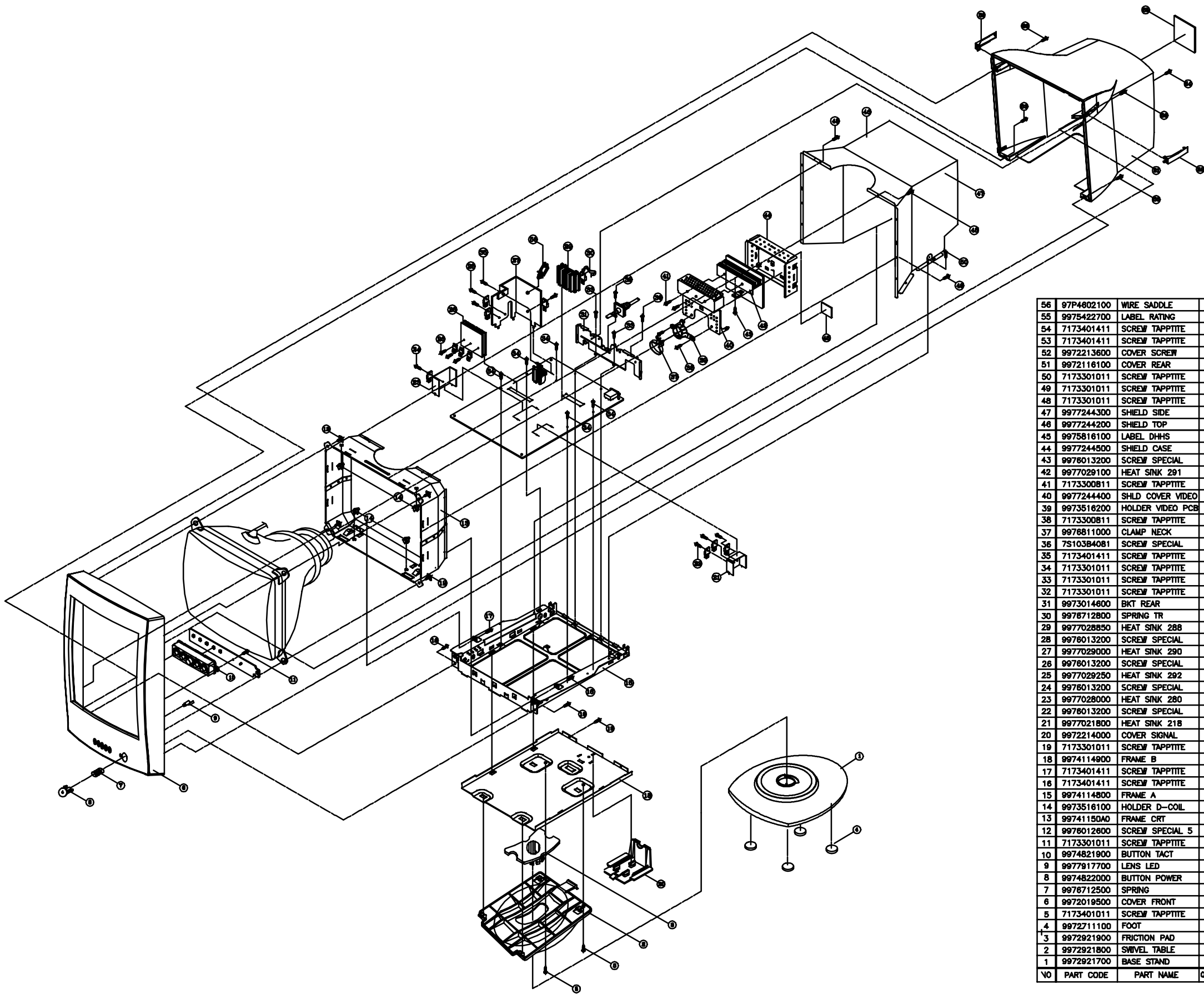
902D Deflection (Refer to the Electrical Parts List for 903Ds & 904DF)



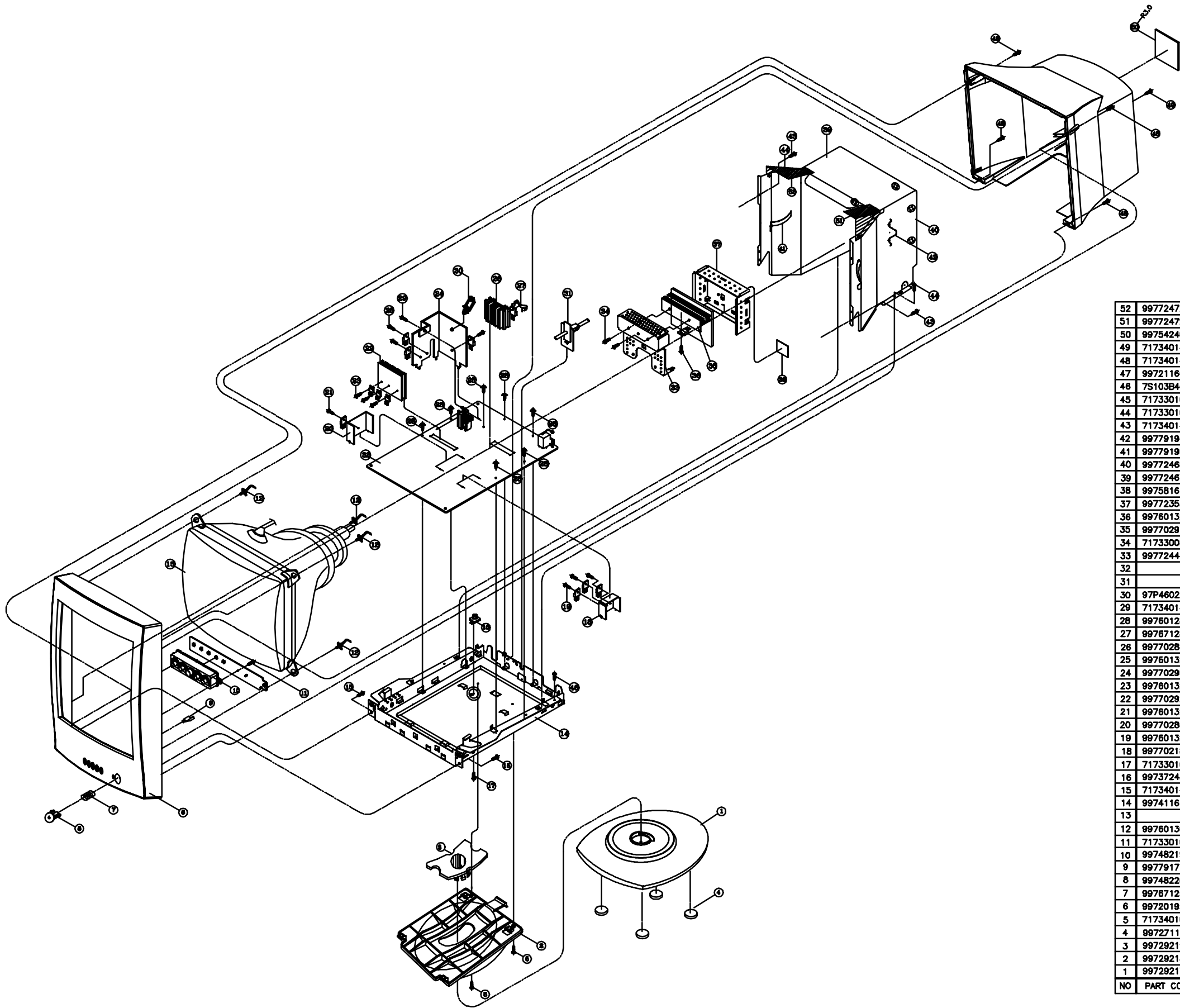
902D Power (Refer to the Electrical Parts List for 903Ds & 904DF)

902DVideo (Refer to the Electrical Parts List for 903Ds & 904DF)

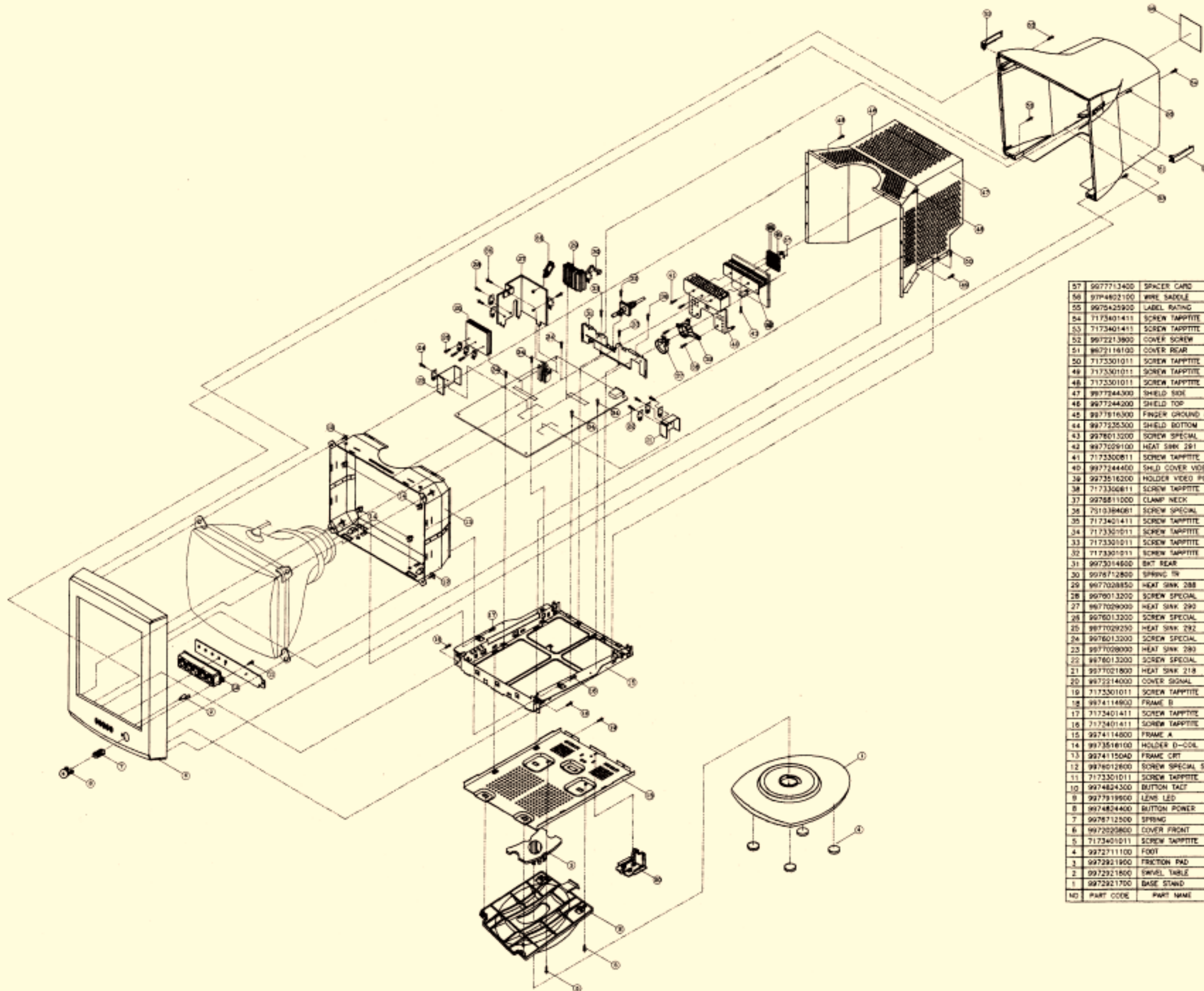




56	97P4802100	WIRE SADDLE	1	NYLON 66,DASW-3N	
55	9975422700	LABEL RATING	1	P.E T=0.1*98*78	
54	7173401411	SCREW TAPPTITE	1	TT2 BIN 4X14 MFZN	REAR + BKT REAR
53	7173401411	SCREW TAPPTITE	4	TT2 BIN 4X14 MFZN	FRONT + REAR
52	9972213600	COVER SCREW	2	FR-ABS GY-275A	+ COVER REAR
51	9972116100	COVER REAR	1	FR-ABS GY-275A	
50	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MFZN	FRM A + SHLD SIDE
49	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MFZN	FRM CRT(SIDE) + SHLD SIDE
48	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MFZN	FRM CRT(TOP) + SHLD TOP
47	9977244300	SHIELD SIDE	1	SPTH-C T=0.5	
46	9977244200	SHIELD TOP	1	SPTH-C T=0.5	
45	9975816100	LABEL DHHS		STICKER 120P*70*45	+ SHIELD CASE
44	9977244500	SHIELD CASE	1	SPTH-C T=0.3	
43	9976013200	SCREW SPECIAL	1	TT2 BIN 3*10 MFZN PW(D.7)	H/S 291 + IC802
42	9977029100	HEAT SINK 291	1	A1050P-H24 H=124	
41	7173300811	SCREW TAPPTITE	2	TT2 BIN 3X8 MFZN	R/S 291 + SHLD CO VIDEO
40	9977244400	SHLD COVER VIDEO	1	A1050P-H24 T=0.8	
39	9973516200	HOLDER VIDEO PCB	1	NYLON 66	+ SHLD COVER VIDEO
38	7173300811	SCREW TAPPTITE	2	TT2 BIN 3X8 MFZN	HOLDER VIDEO + SHLD CO VIDEO
37	9976811000	CLAMP NECK	1	SUS T=1.0	+ HOLDER VIDEO PCB
36	75103B4081	SCREW SPECIAL	1	M/C BIN 4*8 MFZN	BKT REAR + MAIN GND
35	7173401411	SCREW TAPPTITE	1	TT2 BIN 4X14 MFZN	REAR/SHLD/290+FRONT
34	7173301011	SCREW TAPPTITE	5	TT2 BIN 3X10 MFZN	FRM A + PCB MAIN
33	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MFZN	BKT REAR + FRM A
32	7173301011	SCREW TAPPTITE	1	TT2 BIN 3X10 MFZN	BKT REAR + SIGNAL GND
31	9973014600	BKT REAR	1	E.G.I T=1.0	
30	9976712800	SPRING TR	1	SUS 304 T=0.5	H/S 288 + IC001
29	9977028850	HEAT SINK 288	1	A1050P-H24 H=70	
28	9976013200	SCREW SPECIAL	3	TT2 BIN 3*10 MFZN PW(D.7)	R/290 + Q184,243,244
27	9977029000	HEAT SINK 290	1	A1050P-H24 T=2.0	
26	9976013200	SCREW SPECIAL	3	TT2 BIN 3*10 MFZN PW(D.7)	R/292 + D905,0907,0948
25	9977029250	HEAT SINK 292	1	A1050P-H24 H=90	
24	9976013200	SCREW SPECIAL	1	TT2 BIN 3*10 MFZN PW(D.7)	H/S 280 + IC401
23	9977028000	HEAT SINK 280	1	A1050P-H24 T=2.0	
22	9976013200	SCREW SPECIAL	3	TT2 BIN 3*10 MFZN PW(D.7)	R/S 218 + IC100,104,108
21	9977021800	HEAT SINK 218	1	A1050P-H24 T=2.0	
20	9972214000	COVER SIGNAL	1	FR-ABS GY-275A	
19	7173301011	SCREW TAPPTITE	1	TT2 BIN 3X10 MFZN	FRM A + FRM B
18	9974114900	FRAME B	1	E.G.I T=1.0	
17	7173401411	SCREW TAPPTITE	2	TT2 BIN 4X14 MFZN	FRM CRT AS + FRM A
16	7173401411	SCREW TAPPTITE	2	TT2 BIN 4X14 MFZN	FRONT + FRM A
15	9974114800	FRAME A	1	E.G.I T=1.0	
14	9973516100	HOLDER D-COIL	2	NYLON 66 DH-150	
13	99741150A0	FRAME CRT	2	E.G.I T=1.0	
12	9976012600	SCREW SPECIAL 5	4	TT2 HEX 5*21 MFZN SPW	FRONT + CRT
11	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MFZN	PCB-A/VIDEO TACT+FRONT
10	9974821900	BUTTON TACT	1	FR-ABS GY-275A	
9	9977917700	LENS LED	1	ACRYL (CLEAR)	
8	9974822000	BUTTON POWER	1	FR-ABS GY-275A	
7	9976712500	SPRING	1	SUS(0.5PIE)	901D ->
6	9972019500	COVER FRONT	1	FR-ABS GY-275A	
5	7173401011	SCREW TAPPTITE	2	TT2 BIN 4X10 MFZN	STAND AS + FRAME B
4	9972711100	FOOT	4	RUBBER(WHT) 14	
3	9972921900	FRICTION PAD	1	ABS+PC ALLOY GY-275A (94HB)	
2	9972921800	SWIVEL TABLE	1	ABS GY-275A (94-HB)	CMC-901D ->
1	9972921700	BASE STAND	1	ABS GY-275A (94-HB)	CMC-901D ->
NO	PART CODE	PART NAME	QTY	DESCRIPTION	REMARK



52	9977247201	SH' TOP B	1	AL T=0.5	SH' MAIN RIVET
51	9977247200	SH' TOP A	1	AL T=0.5	SH' MAIN RIVET
50	9975424800	LABEL RATING	1	P.E T=0.1*98*78	
49	7173401411	SCREW TAPPTITE	1	TT2 BIN 4X14 MFZN	REAR + BKT REAR
48	7173401411	SCREW TAPPTITE	4	TT2 BIN 4X14 MFZN	FRONT + REAR
47	9972116600	COVER REAR	1	FR-ABS GY-275A	
46	7S103B4081	SCREW SPECIAL	1	M/C BIN 4*8 MFZN	BKT REAR + MAIN GND
45	7173301011	SCREW TAPPTITE	3	TT2 BIN 3X10 MFZN	SHID ASS,Y + FINGER
44	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MFZN	FRAMEA + SHID ASS,Y
43	7173401411	SCREW TAPPTITE	4	TT2 BIN 4X14 MFZN	FRONT + SHID ASS,Y
42	9977919800	FINGER GROUND	1	PBSP T=0.25	REAR
41	9977919000	FINGER GROUND	2	PBSP T=0.25	SIDE
40	9977246800	SHIELD SIDE	1	AL T=0.5	
39	9977246700	SHIELD TOP	1	AL T=0.5	
38	9975816100	LABEL DHHS	1	STICKER 120P*70*45	+ SHIELD CASE
37	9977235300	SHIELD BOTTOM	1	SPTH-C T=0.3	
36	9976013200	SCREW SPECIAL	1	TT2 BIN 3*10 MFZN PW(D.7)	H/S 291 + IC802
35	9977029100	HEAT SINK 291	1	A1050P-H24 H=124	
34	7173300811	SCREW TAPPTITE	2	TT2 BIN 3X8 MFZN	R/S 291 + SHLD CO VIDEO
33	9977244400	SHLD COVER VIDEO	1	A1050P-H24 T=0.8	
32		PCB MAIN	1		
31		CABLE SIGNAL	1		
30	97P4602100	WIRE SADDLE	1	NYLON 66,DASW-3N	
29	7173401411	SCREW TAPPTITE	1	TT2 BIN 4X14 MFZN	REAR+SHIELD+FBT
28	9976012800	SCREW TAPPTITE	7	TT2 BIN 3X8 MFZN PW Ø12	FRAME + PCB MAIN
27	9976712800	SPRING TR	1	SUS 304 T=0.5	H/S 288 + IC001
26	9977028850	HEAT SINK 288	1	A1050P-H24 H=70	
25	9976013200	SCREW SPECIAL	3	TT2 BIN 3*10 MFZN PW(D.7)	R/S290 + Q194,343,344
24	9977029000	HEAT SINK 290	1	A1050P-H24 T=2.0	
23	9976013200	SCREW SPECIAL	3	TT2 BIN 3*10 MFZN PW(D.7)	R/S292 + D805,D807,D848
22	9977029250	HEAT SINK 292	1	A1050P-H24 H=90	
21	9976013200	SCREW SPECIAL	1	TT2 BIN 3*10 MFZN PW(D.7)	H/S 280 + IC401
20	9977028000	HEAT SINK 280	1	A1050P-H24 T=2.0	
19	9976013200	SCREW SPECIAL	3	TT2 BIN 3*10 MFZN PW(D.7)	R/S 218 + IC100,104,106
18	9977021800	HEAT SINK 218	1	A1050P-H24 T=2.0	
17	7173301011	SCREW TAPPTITE	1	TT2 BIN 3X10 MFZN	FRAME MAIN + SUPPORTER
16	9973724300	SUPPORTER	1	FR-ABS GY-275A	
15	7173401411	SCREW TAPPTITE	2	TT2 BIN 4X14 MFZN	FRONT + FRM A
14	9974116100	FRAME MAIN	1	E.G.I T=1.0	
13		CDT	1		(SHORT LENGTH)
12	9976013000	SCREW SPECIAL 5	4	TT2 HEX 5*21 MFZN SPW	FRONT + CDT
11	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MFZN	PCB+BUTTON TACT+FRONT
10	9974821900	BUTTON TACT	1	FR-ABS GY-275A	
9	9977917700	LENS LED	1	ACRYL (CLEAR)	
8	9974822000	BUTTON POWER	1	FR-ABS GY-275A	
7	9976712500	SPRING	1	SUS(0.5PIE)	901D -1
6	9972018502	COVER FRONT	1	FR-ABS GY-275A	
5	7173401011	SCREW TAPPTITE	2	TT2 BIN 4X10 MFZN	STAND AS + FRAME B
4	9972711100	FOOT	4	RUBBER(WHT) 14	
3	9972921900	FRICTION PAD	1	ABS+PC ALLOY GY-275A (94HB)	
2	9972921800	SWIVEL TABLE	1	ABS GY-275A (94-HB)	CMC-901D -1
1	9972921700	BASE STAND	1	ABS GY-275A (94-HB)	CMC-901D -1
NO	PART CODE	PART NAME	QTY	DESCRIPTION	REMARK



57	9977713400	SPACER CARD	1	NYLON 66, DMS-8H	+ SHIELD STM
56	9974802100	WIRE SADDLE	1	NYLON 66, DMS-8H	
55	9975425900	LABEL RATING	1	P.E. T=0.15*50*75	
54	7173401411	SCREW TAPPTITE	1	TT2 BIN 4X14 MF2N	REAR + BKT REAR
53	7173401411	SCREW TAPPTITE	4	TT2 BIN 4X14 MF2N	FRONT + REAR
52	9972213900	COVER SCREW	2	FR-ABS GY-275A	+ COVER REAR
51	9972116100	COVER REAR	1	FR-ABS GY-275A	
50	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MF2N	FRM A + SHD BSE
49	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MF2N	FRM CTRMID + SHD BSE
48	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MF2N	FRM CTRMID + SHD TOP
47	9972443000	SHIELD SIDE	1	SPTH-C T=0.5	
46	9972443000	SHIELD TOP	1	SPTH-C T=0.5	
45	9972163000	FINGER GROUND A	1	PERP T=0.25	
44	9972335300	SHIELD BOTTOM	1	SPTH-C T=0.3	
43	9978013200	SCREW SPECIAL	1	TT2 BIN 3*10 MF2N PW(D.7)	H/S 281 + ECR02
42	9972091000	HEAT SINK 281	1	A1050P-H24 H=124	
41	7173300811	SCREW TAPPTITE	2	TT2 BIN 3X8 MF2N	H/S 281 + SHD CO-VIDEO
40	9972244400	SHLD COVER VIDEO	1	A1050P-H24 T=0.8	
39	9973516200	HOLDER VIDEO PCB	1	NYLON 66	+ SHLD COVER VIDEO
38	7173300811	SCREW TAPPTITE	2	TT2 BIN 3X8 MF2N	HOLDER VIDEO + SHD CO-VIDEO
37	9978811000	CLAMP NECK	1	SUS T=1.0	+ HOLDER VIDEO PCB
36	7510384061	SCREW SPECIAL	1	M/C BIN 4*8 MF2N	BKT REAR + BAK CHD
35	7173401411	SCREW TAPPTITE	1	TT2 BIN 4X14 MF2N	HEX080200/081
34	7173301011	SCREW TAPPTITE	5	TT2 BIN 3X10 MF2N	FRM A + PCB MAIN
33	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MF2N	BKT REAR + FRM A
32	7173301011	SCREW TAPPTITE	1	TT2 BIN 3X10 MF2N	BKT REAR + SIGNAL CHD
31	9973014600	BKT REAR	1	E.G.I T=1.0	
30	9978712800	SPRING TR	1	SUS 304 T=0.5	H/S 288 + ECR04
29	9972088500	HEAT SINK 288	1	A1050P-H24 H=70	
28	9978013200	SCREW SPECIAL	3	TT2 BIN 3*10 MF2N PW(D.7)	H/S288 + SHD CO-VIDEO
27	9972090000	HEAT SINK 290	1	A1050P-H24 T=2.0	
26	9978013200	SCREW SPECIAL	3	TT2 BIN 3*10 MF2N PW(D.7)	H/S288 + SHD CO-VIDEO
25	9972092900	HEAT SINK 292	1	A1050P-H24 H=90	
24	9978013200	SCREW SPECIAL	1	TT2 BIN 3*10 MF2N PW(D.7)	H/S 280 + ECR01
23	9972080000	HEAT SINK 290	1	A1050P-H24 T=2.0	
22	9978013200	SCREW SPECIAL	3	TT2 BIN 3*10 MF2N PW(D.7)	H/S 278 + ECR01/0A/0B
21	9972021800	HEAT SINK 218	1	A1050P-H24 T=2.0	
20	9972214000	COVER SIGNAL	1	FR-ABS GY-275A	
19	7173301011	SCREW TAPPTITE	1	TT2 BIN 3X10 MF2N	FRM A + FRM B
18	9974114800	FRAME B	1	E.G.I T=1.0	
17	7173401411	SCREW TAPPTITE	2	TT2 BIN 4X14 MF2N	FRM CRT AC + FRM A
16	7173401411	SCREW TAPPTITE	2	TT2 BIN 4X14 MF2N	FRONT + FRM A
15	9974114800	FRAME A	1	E.G.I T=1.0	
14	9973516100	HOLDER D-COL	2	NYLON 66 SH-150	
13	9974115040	FRAME CRT	2	E.G.I T=1.0	
12	9978012800	SCREW SPECIAL S	4	TT2 HEX 5*21 MF2N SPW	FRONT + CRT
11	7173301011	SCREW TAPPTITE	2	TT2 BIN 3X10 MF2N	FRM CRT AC + FRM A
10	9974824300	BUTTON TACT	1	FR-ABS GY-275A	
9	9977919500	LENS LED	1	ACRYL (CLEAR)	
8	9974824400	BUTTON POWER	1	FR-ABS GY-275A	
7	9978712500	SPRING	1	SUS(D.SPE)	2070 4#
6	9972020800	COVER FRONT	1	FR-ABS GY-275A	
5	7173401011	SCREW TAPPTITE	2	TT2 BIN 4X10 MF2N	STAND AS + FRAME B
4	9972711100	FOOT	4	RUBBER(WHT) 14	
3	9972921900	FRICTION PAD	1	ABS+PS ALLY GY-275A (SH48)	
2	9972921800	SWIVEL TABLE	1	ABS GY-275A (SH-HB)	CMC-901D 4#
1	9972921700	BASE STAND	1	ABS GY-275A (SH-HB)	CMC-901D 4#
NO	PART CODE	PART NAME	QTY	DESCRIPTION	REMARK

INFORMATION OF PART DESCRIPTION

Important Safety Notice

Components identified with the International Symbol have special characteristics important for safety. When replacing any components, use only manufacturer's specified parts.

Abbreviation of Description

RESISTOR Description

Allowance	
F	$\pm 1\%$
J	$\pm 5\%$
K	$\pm 10\%$
M	$\pm 20\%$
G	$\pm 2\%$

Example:

Fig & Index	Part No	Description
R101	Resistors	
	RD-4Z820J	Carbon: 82J
R102	RD-4Z201J	Carbon1/4W-200J

CAPACITOR Description

Allowance	
C	$\pm 0.25\mu\text{F}$
D	$\pm 0.5\%$
F	$\pm 1\mu\text{F}$
J	$\pm 5\%$
K	$\pm 10\%$
P	$\pm 100\% \sim 0\%$
Z	$\pm 80\% \sim -$

Example:

Fig & Index	Part No	Description
C102	Capacitors	
	CCXF1H104Z	Ceramic 50V 0.1 μF Z
	CCXB1H331K	Ceramic 50V 330PF K
C105	CMXM 2A224J	MYLAR 100V 0.22 μF J

ELECTRICAL PARTS LIST

The components identified by mark △ have special characteristics important for safety and x-ray radiation. These should be replaced only with the types specified in the parts list.

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
00010	9979800482	PCB CRT	T=1.6*155*123	904DF only
00010	9979800497	PCB CONTROL	T=1.6*215*36	
<u>00010</u>	<u>9979800534</u>	<u>PCB CONTROL</u>	<u>T=1.6*215*36</u>	
00010	9979800512	PCB MAIN	T=1.6*246*330	
00010	9979800519	PCB MAIN	T=1.6*330*246	904DF only
<u>00010</u>	<u>9979800535</u>	<u>PCB MAIN</u>	<u>T=1.6*330*246</u>	
00020	W1173D831-	CORD POWER	SP30+IS14(I)	903Ds only 904DF only 903Ds only 904DF only
B501	5PB13857--	COIL BEAD	BI3857(AXIAL)	
B503	5PB13857--	COIL BEAD	BI3857(AXIAL)	
<u>B504</u>	<u>5PB13857--</u>	<u>COIL BEAD</u>	<u>BI3857(AXIAL)</u>	
<u>B504</u>	<u>5PB13857--</u>	<u>COIL BEAD</u>	<u>BI3857(AXIAL)</u>	
<u>B505</u>	<u>5PB13857--</u>	<u>COIL BEAD</u>	<u>BI3857(AXIAL)</u>	
<u>B505</u>	<u>5PB13857--</u>	<u>COIL BEAD</u>	<u>BI3857(AXIAL)</u>	
B801	5PB13857--	COIL BEAD	BI3857(AXIAL)	
B802	5PB13857--	COIL BEAD	BI3857(AXIAL)	
B803	5PB13857--	COIL BEAD	BI3857(AXIAL)	
B805	5PB13857--	COIL BEAD	BI3857(AXIAL)	
B807	5PB13857--	COIL BEAD	BI3857(AXIAL)	
B808	5PB13857--	COIL BEAD	BI3857(AXIAL)	
<u>△</u> C001	CL1UC3474M	C LINE ACROSS	0.47MF 1J(UCVSNDF/SV)+Q/O	
<u>△</u> C003	CH1FDF472M	C CERA AC	2.5KV 4700PF M AC250V	
C004	CH1FDF472M	C CERA AC	2.5KV 4700PF M AC250V	
C005	CH1FDF472M	C CERA AC	2.5KV 4700PF M AC250V	
<u>C021</u>	<u>CEYP2G221Z</u>	<u>C ELECTRO</u>	<u>400V SMH 220MF (25.4*40)</u>	904DF only
C021	CEYP2G331Z	C ELECTRO	400V SMH 330MF (30*45)	
C023	CCXE3D103P	C CERA	HIKE 2KV 0.01MF P	903Ds only 904DF only 903Ds only 904DF only
C024	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C025	CEXF2C220V	C ELECTRO	160V RSS 22MF (10X20) TP	
C026	CCXB3D331K	C CERA	2KV B 330PF K (TAPPING)	
C027	CCXB2H471K	C CERA	500V B 470PF K (TAPPING)	
C029	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C103	CEYF2E101V	C ELECTRO	RSS 250V 100MF (18X35.5)	
C105	CEXF2C470V	C ELECTRO	160V RSS 47MF (13X25) TP	
C106	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C107	CEXF2A101V	C ELECTRO	100V RSS 100MF (13X20) TP	
C112	CEXF1V471V	C ELECTRO	35V RSS 470MF (10X20) TP	
C117	CEXF1E102V	C ELECTRO	25V RSS 1000MF (13X20) TP	
C119	CEXF1H471C	C ELECTRO	50V RUS 470MF (13*20)	
C120	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C121	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C124	CEXF1E102V	C ELECTRO	25V RSS 1000MF (13X20) TP	
C125	CEXF1E471V	C ELECTRO	25V RSS 470MF (10X16) TP	
C128	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
C129	CEXF1E102V	C ELECTRO	25V RSS 1000MF (13X20) TP	
C133	CEXF1V101V	C ELECTRO	35V RSS 100MF (8X11.5) TP	
C151	CEXF1H228V	C ELECTRO	50V RSS 0.22MF (5X11) TP	
<u>C151</u>	<u>CEXF1H478V</u>	<u>C ELECTRO</u>	<u>50V RSS 0.47MF (5X11) TP</u>	
<u>C151A</u>	<u>CMXL2A154J</u>	<u>C MYLAR</u>	<u>MEU 100V 0.15MF J</u>	
<u>C151A</u>	<u>CMXL2A154J</u>	<u>C MYLAR</u>	<u>MEU 100V 0.15MF J</u>	
<u>C155</u>	<u>CMXL2E104J</u>	<u>C MYLAR</u>	<u>MEU 250V 0.1MF J</u>	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
C155	CMXL2E473J	C MYLAR	MEU 250V 0.047MF J(TP)	903Ds only 904DF only
C159	CMXM2A222J	C MYLAR	100V 2200PF J (TP)	
C160	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C161	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
C162	CCXF1H104Z	C CERA	50V F 0.1MF Z	
<u>C163</u>	<u>CCXB3A471K</u>	<u>C CERA</u>	<u>1KV B 470PF K (T)</u>	
<u>C163</u>	<u>CCXB3A471K</u>	<u>C CERA</u>	<u>1KV B 470PF K (T)</u>	
C163	CMXM2A222J	C MYLAR	100V 2200PF J (TP)	
C164	CMXM2A102J	C MYLAR	100V 1000PF J (TP)	
C165	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C166	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	904DF only 903Ds only
C167	CCXB1H102K	C CERA	50V B 1000PF K (TAPPING)	
<u>△ C168</u>	<u>CMXH3D152J</u>	<u>C MYLAR</u>	<u>BUP 2KV 1500PF J</u>	
<u>△ C168</u>	<u>CMXH3D182J</u>	<u>C MYLAR</u>	<u>BUP 2KV 1800PF J</u>	
<u>△ C168</u>	CMYH3L182J	C MYLAR	3KV BUP 1800PF J BULK	
C169	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C170	CCXB1H471K	C CERA	50V B 470PF K (TAPPING)	
C171	CCXB1H471K	C CERA	50V B 470PF K (TAPPING)	
C172	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C173	CCXB1H182K	C CERA	50V B 1800PF K (TAPPING)	
C189	CCXB3D102K	C CERA	2KV B 1000PF K (TAPPING)	904DF only
C190	CEXF2E330V	C ELECTRO	250V RSS 33MF (13X25) TP	
C202	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)	
C206	CEXD1C470F	C ELECTRO	16V RND 47MF (8X11.5) TP	
C223	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)	
C224	CCXE3D103P	C CERA	HIKE 2KV 0.01MF P	
C231	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C232	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C233	CEXF2E470V	C ELECTRO	250V RSS 47MF (16X25) TP	
C241	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C242	CEXN2W479C	C ELECTRO	KMG 450V 4.7MF 10*20	904DF only
C243	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C244	CCXB3A472K	C CERA	1KV B 4700PF K (TAPPING)	
<u>C244</u>	<u>CCXE3D103P</u>	<u>C CERA</u>	<u>HIKE 2KV 0.01MF P</u>	
C301	CCXB1H102K	C CERA	50V B 1000PF K (TAPPING)	
C303	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C304	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z	
C305	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C306	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
C307	CZCH1H270J	C CERA	CH 50V 27PF J AXL 52MM	
C308	CZCH1H270J	C CERA	CH 50V 27PF J AXL 52MM	
C309	CCZB1H101K	C CERA	50V B 100PF K	
C310	CCZB1H181K	C CERA	50V B 180PF K AXIAL	
C311	CCZB1H181K	C CERA	50V B 180PF K AXIAL	
C312	CCZB1H221K	C CERA	50V B 220PF K	
C313	CCZB1H221K	C CERA	50V B 220PF K	
C314	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z	
C315	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C316	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z	
C317	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C318	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C320	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
C322	CXCH1H221J	C CERA	50V CH 220PF J (TAPPING)	903Ds only
C323	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C324	CCZB1H181K	C CERA	50V B 180PF K AXIAL	
C325	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
<u>C401</u>	<u>CMXM2A273J</u>	<u>C MYLAR</u>	<u>100V 0.027MF J (TP)</u>	
C401	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)	
C402	CEXF1E471C	C ELECTRO	25V RUS 470MF (10X16) TP	
C404	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C405	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP	
C406	CMXM2A182J	C MYLAR	100V 1800PF J (TP)	
C407	CMXM2A682J	C MYLAR	100V 6800PF J (TP)	
C408	CMXM2A224J	C MYLAR	100V 0.22MF J	
C409	CMXM2A153J	C MYLAR	100V 0.015MF J (TP)	
C410	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C411	CEXF2E478V	C ELECTRO	RSS 250V 0.47MF 6.3X11	
C412	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C413	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5) TP	
C414	CMXM2A393J	C MYLAR	100V 0.039MF J (TP)	
<u>C415</u>	<u>CCXB1H152K</u>	<u>C CERA</u>	<u>50V B 1500PF K (TAPPING)</u>	903Ds only
<u>C415</u>	<u>CCXB1H152K</u>	<u>C CERA</u>	<u>50V B 1500PF K (TAPPING)</u>	904DF only
C501	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
C502	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C504	CMXL2A394J	C MYLAR	MEU 100V 0.39MF J	
C505	CMXL2A474J	C MYLAR	MEU 100V 0.47MF J	
C506	CMXL2A683J	C MYLAR	MEU 100V 0.068MF J (TP)	
C507	CMXL2A334J	C MYLAR	MEU 100V 0.33MF J	
C508	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C509	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C510	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C511	CEXF1H330V	C ELECTRO	50V RSS 33MF (6.3X11) TP	
C512	CMXM2A682J	C MYLAR	100V 6800PF J (TP)	
C513	CEXF1H330V	C ELECTRO	50V RSS 33MF (6.3X11) TP	
C514	CEXD1H100F	C ELECTRO	50V RND 10MF (8X11.5) TP	
C515	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C516	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C517	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C519	CMXM2A102J	C MYLAR	100V 1000PF J (TP)	
C520	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
C521	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
C522	CCXB1H221K	C CERA	50V B 220PF K (TAPPING)	
C525	CMXM2A182J	C MYLAR	100V 1800PF J (TP)	
C526	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP	
<u>C529</u>	<u>CMXH3L222J</u>	<u>C MYLAR</u>	<u>BUP 3KV 2200PF J</u>	903Ds only
<u>C529</u>	<u>CMYH3L202J</u>	<u>C MYLAR</u>	<u>3KV BUP 2000PF J BULK</u>	903Ds only
<u>C530</u>	<u>CMXH3L222J</u>	<u>C MYLAR</u>	<u>BUP 3KV 2200PF J</u>	
<u>C530</u>	<u>CMYH3L202J</u>	<u>C MYLAR</u>	<u>3KV BUP 2000PF J BULK</u>	
C531	CMXM2A184J	C MYLAR	100V 0.18MF J	
C532	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C533	CCXB2H471K	C CERA	500V B 470PF K (TAPPING)	
C535	CCXB1H101K	C CERA	50V B 100PF K (TAPPING)	
C537	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)	
C538	CCXB3D101K	C CERA	2KV B 100PF K (TAPPING)	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
C539	CMXM2A222J	C MYLAR	100V 2200PF J (TP)	904DF only
C540	CCXB2H221K	C CERA	500V B 220PF K (TAPPING)	
<u>C541</u>	<u>CMXM2A104J</u>	<u>C MYLAR</u>	<u>100V 0.1MF J (TP)</u>	
C541	CMXM2A184J	C MYLAR	100V 0.18MF J	
C542	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	903Ds only
<u>C542</u>	<u>CEXF1E101V</u>	<u>C ELECTRO</u>	<u>25V RSS 100MF (6.3X11) TP</u>	
<u>C542</u>	<u>CEXF1E101V</u>	<u>C ELECTRO</u>	<u>25V RSS 100MF (6.3X11) TP</u>	
<u>C543</u>	<u>CMXB2A102J</u>	<u>C MYLAR</u>	<u>100V EU 1000PF J (TP)</u>	
C543	CXCH1H271J	C CERA	50V CH 270PF J (TAPPING)	904DF only
C544	CXCH1H271J	C CERA	50V CH 270PF J (TAPPING)	
C545	CCXB1H391K	C CERA	50V B 390PF K (TAPPING)	
C546	CXCH1H390J	C CERA	50V CH 39PF J (TAPPING)	
C547	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C548	CCXB1H102K	C CERA	50V B 1000PF K (TAPPING)	
C549	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
C550	CMXL2E473J	C MYLAR	MEU 250V 0.047MF J(TP)	
C551	CEXF2E330V	C ELECTRO	250V RSS 33MF (13X25) TP	
C555	CXCH1H151J	C CERA	50V CH 150PF J (TAPPING)	
C558	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C569	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C571	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C576	CCXF1H104Z	C CERA	50V F 0.1MF Z	
<u>C578</u>	<u>CMXF2G104J</u>	<u>C MYLAR</u>	<u>MPP 400V 0.1MF J</u>	
C578	CMXF2G124J	C MYLAR	MPP 400V 0.12MF J	
C579	CMXF2G124J	C MYLAR	MPP 400V 0.12MF J	903Ds only
C580	CMXF2D124J	C MYLAR	MPP 200V 0.12MF J	
C581	CMXF2D224J	C MYLAR	MPP 200V 0.22MF J	
C582	CMYF2G564J	C MYLAR	MPP 400V 0.56MF J	
C583	CMYF2D474J	C MYLAR	200V MPP 0.47MF J	903Ds only
<u>C584</u>	<u>CMXF2G824J</u>	<u>C MYLAR</u>	<u>MPP 400V 0.82MF J</u>	
<u>C584</u>	<u>CMXF2G824J</u>	<u>C MYLAR</u>	<u>MPP 400V 0.82MF J</u>	
C584	CMYF2G824J	C MYLAR	MPP 400V 0.82MF J	
C585	CCXF1H104Z	C CERA	50V F 0.1MF Z	904DF only
C586	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C587	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C588	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C589	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C591	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C592	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C801	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	
C803	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
C804	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C806	CEXD2A109F	C ELECTRO	100V RND 1MF(5*11) TP	
C807	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C808	CMXM2A222J	C MYLAR	100V 2200PF J (TP)	
C809	CMXM2A333J	C MYLAR	100V 0.033MF J (TP)	
C813	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C814	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C815	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C816	CEXF1E471V	C ELECTRO	25V RSS 470MF (10X16) TP	
C817	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C818	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
C819	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C820	CEXD1H229F	C ELECTRO	50V RND 2.2MF (5X11) TP	
C823	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C824	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C825	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C828	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C829	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C831	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	
C833	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
C834	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C836	CEXD2A109F	C ELECTRO	100V RND 1MF(5*11) TP	
C837	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C838	CMXM2A222J	C MYLAR	100V 2200PF J (TP)	
C839	CMXM2A333J	C MYLAR	100V 0.033MF J (TP)	
C844	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C845	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
C846	HCQK331JCA	C CHIP CERA	50V CH 330PF J 2012	
C847	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
C857	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)	
C858	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)	
C861	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	
C863	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
C864	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C866	CEXD2A109F	C ELECTRO	100V RND 1MF(5*11) TP	
C867	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C868	CMXM2A222J	C MYLAR	100V 2200PF J (TP)	
C869	CMXM2A333J	C MYLAR	100V 0.033MF J (TP)	
C873	CCXF1H104Z	C CERA	50V F 0.1MF Z	
C874	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
C875	HCQK181JCA	C CHIP CERA	50V CH 180PF J 2012	
C876	HCQK181JCA	C CHIP CERA	50V CH 180PF J 2012	
C877	HCQK181JCA	C CHIP CERA	50V CH 180PF J 2012	
C878	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
C879	CEXF2A470V	C ELECTRO	100V RSS 47MF (10X16) TP	
C880	CCXF2H103Z	C CERA	HIKF 500V 0.01MF Z	
C881	CCXF2H103Z	C CERA	HIKF 500V 0.01MF Z	
C882	CEXF2A470C	C ELECTRO	100V RUS 47MF (10X16) TP	
C883	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)	
C884	HCQK102JCA	C CHIP CERA	50V CH 1000PF J 2012	
C885	CCXE3D103P	C CERA	HIKE 2KV 0.01MF P	
C890	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
CA001	9970770023	CONN AS	SMH250-07+51088-08=350	
CA002	9970790103	CONN AS	SMH250-09+51088-10=300	
CA701	9970740037	CONN AS	YMH250-4+1007#24=250	
<u>CA801</u>	<u>9970710203</u>	<u>CONN AS</u>	<u>35068-9812+1015#22=190</u>	903Ds only
<u>CA802</u>	<u>9970710203</u>	<u>CONN AS</u>	<u>35068-9812+1015#22=190</u>	903Ds only
CT002	9970710199	CRT GND AS	0.12*5*24+BL102NG=730	
<u>CT002</u>	<u>9970710213</u>	<u>CRT GND AS</u>	<u>0.12*5*24+BL102NG=720</u>	903Ds only
CT801	9979300007	SOCKET CRT	ISDS08S	
<u>△ CT802</u>	<u>9979619006</u>	<u>CDT</u>	<u>M46QCE261X112(A)</u>	
<u>△ CT802</u>	<u>9979619008</u>	<u>CDT</u>	<u>M46QCY261X112(SHORT)</u>	903Ds only
<u>△ CT802</u>	<u>9979619011</u>	<u>CDT</u>	<u>M46QCK761X123 (DF)</u>	904DF only

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
CW001	9979220075	CONN WAFER	B3B-EH-A ST(TILT)	<u>903Ds only</u>
<u>CW001</u>	<u>9979220081</u>	<u>CONN WAFER</u>	<u>B2B-EH-A ST(TILT)</u>	
CW002	485923272S	CONN WAFER	5267-06A STICK TYPE	
CW003	485923252S	CONN WAFER	5267-04A STICK TYPE	
CW801	9979220021	CONN WAFER	SMAW250-06 (ANGLE)	
CW802	9979220024	CONN WAFER	SMAW250-09 (ANGLE)	
CW803	9979220022	CONN WAFER	SMAW250-07 (ANGLE)	
D001	DD5SBA60--	DIODE BRIDGE	D5SBA60	
D021	DRU1P-----	DIODE	RU 1P (TAPPING)	
D022	D1N4937GP-	DIODE	1N4937GP (TAPPING)	
D023	DZN4148---	DIODE	1N4148 AUTO 52MM	
D024	DZN4148---	DIODE	1N4148 AUTO 52MM	
D025	D1N4937GP-	DIODE	1N4937GP (TAPPING)	
D026	D1N4937GP-	DIODE	1N4937GP (TAPPING)	
D101	DRG4C-----	DIODE	RG4C LF-L1	
D103	DRL2AV1---	DIODE	RL2AV1	
D104	DRF1-----	DIODE	RF-1	
D105	DRF1-----	DIODE	RF-1	
D106	DRL2ZV1---	DIODE	RL2ZV1	
D108	DRG4-----	DIODE	RG4	
D109	DRK39V1---	DIODE	RK39V1	
D110	DRK36-----	DIODE	RK36	
D111	DRG4-----	DIODE	RG4	
D113	DRG4-----	DIODE	RG4	
D114	D1NS4-----	DIODE	1NS4	
D160	DZN4148---	DIODE	1N4148 AUTO 52MM	
D161	DZN4148---	DIODE	1N4148 AUTO 52MM	
D162	DZN4148---	DIODE	1N4148 AUTO 52MM	
D163	DZN4148---	DIODE	1N4148 AUTO 52MM	
D164	DZN4148---	DIODE	1N4148 AUTO 52MM	
D165	DERD07-15-	DIODE	ERD07-15	<u>904DF only</u>
<u>D165</u>	<u>DRU3C-----</u>	<u>DIODE</u>	<u>RU 3C</u>	
D166	DERD07-15-	DIODE	ERD07-15	<u>904DF only</u>
<u>D166</u>	<u>DRU3C-----</u>	<u>DIODE</u>	<u>RU 3C</u>	
<u>D167</u>	<u>DRU1P-----</u>	<u>DIODE</u>	<u>RU 1P (TAPPING)</u>	<u>904DF only</u>
D167	DS2L60---R	DIODE	S2L60	<u>904DF only</u>
<u>D168</u>	<u>DRU1P-----</u>	<u>DIODE</u>	<u>RU 1P (TAPPING)</u>	
D168	DS2L60---R	DIODE	S2L60	
D169	DZN4148---	DIODE	1N4148 AUTO 52MM	
D189	DZN4148---	DIODE	1N4148 AUTO 52MM	
D206	DZN4148---	DIODE	1N4148 AUTO 52MM	
D221	DRU3AM-----	DIODE	RU3AM(HIGH SPEED)	
D225	DRF1-----	DIODE	RF-1	
D231	DRF1-----	DIODE	RF-1	
D241	DRP1H-----	DIODE	RP1H	
D301	DZN4148---	DIODE	1N4148 AUTO 52MM	
D302	DZN4148---	DIODE	1N4148 AUTO 52MM	
D303	DZN4148---	DIODE	1N4148 AUTO 52MM	
D304	DZN4148---	DIODE	1N4148 AUTO 52MM	
D305	DZN4148---	DIODE	1N4148 AUTO 52MM	
D306	DZN4148---	DIODE	1N4148 AUTO 52MM	
D307	DZN4148---	DIODE	1N4148 AUTO 52MM	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
D308	DZN4148---	DIODE	1N4148 AUTO 52MM	
D309	DZN4148---	DIODE	1N4148 AUTO 52MM	
D310	DZN4148---	DIODE	1N4148 AUTO 52MM	
D311	DZN4148---	DIODE	1N4148 AUTO 52MM	
D312	DZN4148---	DIODE	1N4148 AUTO 52MM	
D313	DZN4148---	DIODE	1N4148 AUTO 52MM	
D314	DZN4148---	DIODE	1N4148 AUTO 52MM	
D315	DZN4148---	DIODE	1N4148 AUTO 52MM	
D316	DZN4148---	DIODE	1N4148 AUTO 52MM	
D317	DZN4148---	DIODE	1N4148 AUTO 52MM	
D318	DZN4148---	DIODE	1N4148 AUTO 52MM	
D319	DZN4148---	DIODE	1N4148 AUTO 52MM	
D329	D1N4002A--	DIODE	1N4002	
D401	DRH1B-----	DIODE	RH-1B (TAPPING)	
D402	DZN4148---	DIODE	1N4148 AUTO 52MM	
D403	DZN4148---	DIODE	1N4148 AUTO 52MM	
D504	DD5S4M----	DIODE	D5S4M	
D505	DDD54RC---	DIODE DAMPER	DD54RC	
D506	D1N4002A--	DIODE	1N4002	
D510	DZN4148---	DIODE	1N4148 AUTO 52MM	
D541	DZN4148---	DIODE	1N4148 AUTO 52MM	
D542	DZN4148---	DIODE	1N4148 AUTO 52MM	
D543	DZN4148---	DIODE	1N4148 AUTO 52MM	
D544	DS2L60---R	DIODE	S2L60	
D545	DZN4148---	DIODE	1N4148 AUTO 52MM	
D565	DZN4148---	DIODE	1N4148 AUTO 52MM	
D571	DZN4148---	DIODE	1N4148 AUTO 52MM	
D801	DZN4148---	DIODE	1N4148 AUTO 52MM	
D802	DZN4148---	DIODE	1N4148 AUTO 52MM	
D803	DZN4148---	DIODE	1N4148 AUTO 52MM	
D804	DZN4148---	DIODE	1N4148 AUTO 52MM	
D805	DFDH400---	DIODE	FDH400	
D831	DZN4148---	DIODE	1N4148 AUTO 52MM	
D832	DZN4148---	DIODE	1N4148 AUTO 52MM	
D833	DZN4148---	DIODE	1N4148 AUTO 52MM	
D834	DZN4148---	DIODE	1N4148 AUTO 52MM	
D835	DFDH400---	DIODE	FDH400	
D861	DZN4148---	DIODE	1N4148 AUTO 52MM	
D862	DZN4148---	DIODE	1N4148 AUTO 52MM	
D863	DZN4148---	DIODE	1N4148 AUTO 52MM	
D864	DZN4148---	DIODE	1N4148 AUTO 52MM	
D865	DFDH400---	DIODE	FDH400	
⚠ DP001	5MG0000061	COIL DEGAUSSING	DG-901D	903Ds only
⚠ DP001	5MG0000068	COIL DEGAUSSING	DG-903DS	
DZ021	DDZ20BM---	DIODE ZENER	DZ20BM	
DZ024	DDZ3R6B---	DIODE ZENER	DZ3.6B	
DZ101	DDZ8R2BM--	DIODE ZENER	DZ8.2BM	
DZ194	DDZ24BM---	DIODE ZENER	DZ24BM	
⚠ DZ231	DDZ12BM---	DIODE ZENER	DZ12BM	
DZ301	DDZ5R6BM--	DIODE ZENER	DZ5.6BM	
DZ302	DDZ5R6BM--	DIODE ZENER	DZ5.6BM	
DZ303	DDZ5R6BM--	DIODE ZENER	DZ5.6BM	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
DZ304	DDZ5R6BM--	DIODE ZENER	DZ5.6BM	
DZ305	DDZ5R6BM--	DIODE ZENER	DZ5.6BM	
DZ306	DDZ5R6BM--	DIODE ZENER	DZ5.6BM	
DZ307	DDZ5R6BM--	DIODE ZENER	DZ5.6BM	
DZ308	DDZ5R6BM--	DIODE ZENER	DZ5.6BM	
DZ309	DDZ5R6BM--	DIODE ZENER	DZ5.6BM	
DZ401	DDZ5R1B---	DIODE ZENER	DZ-5.1B	
DZ501	DDZ5R1B---	DIODE ZENER	DZ-5.1B	
DZ531	DDZ5R6BM--	DIODE ZENER	DZ5.6BM	
DZ541	DDZ12BM---	DIODE ZENER	DZ12BM	
DZ801	DDZ5R6BM--	DIODE ZENER	DZ5.6BM	
DZ802	DDZ5R1B---	DIODE ZENER	DZ-5.1B	
F001	5F3CB3122L	FUSE CERA	SEMKO TL 3.15AH 250V MF51	
F001A	9977410900	FUSE CLIP	BSP3-H T0.4 SN 5.2	
F001B	9977410900	FUSE CLIP	BSP3-H T0.4 SN 5.2	
△ IC001	1STRF6654A	IC POWER	STR-F6654A LF1351	
IC100	1KA7824---	IC	KA7824	
IC101	1KA431ZTA-	IC SHUNT	KA431ZTA	
IC104	1K1A7805P1	IC REGULATOR	KIA7805API	
IC105	1KA78R12--	IC REGULATOR	KA78R12	
IC181	1KA3842B--	IC POWER	KA3842B	
IC301	<u>1DWM209T--</u>	<u>IC MICOM</u>	<u>68HC705BD32</u>	904DF only
IC301	1DWM272---	IC MICOM	LSC528261B	
IC303	124C08----	IC EEPROM	24C08	
IC401	1TDA8172--	IC V-OUT	TDA8172	
IC501	1UPC1884BC	IC H/V OSC	UPC1884BCT	
IC502	1DBL358---	IC	DBL358 DUAL OP-AMP	
IC503	<u>1K1A555P--</u>	<u>IC TIMER</u>	<u>KIA555P</u>	904DF only
IC503	1UPC1555C-	IC	UPC1555C	
IC601	1DBL358---	IC	DBL358 DUAL OP-AMP	
IC801	1M52743BSP	IC VIDEO PREAMP	M52743BSP	
IC802	1LM2402T--	IC VIDEO OUTPUT	LM2402T	
IC803	1DW0SD06--	IC OSD	MTV021	
J133	<u>RD-AZ471J-</u>	<u>R CARBON FILM</u>	<u>1/6 470 OHM J</u>	903Ds only
J133	<u>RD-AZ471J-</u>	<u>R CARBON FILM</u>	<u>1/6 470 OHM J</u>	904DF only
J218	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J	
J283	<u>RD-AZ101J-</u>	<u>R CARBON FILM</u>	<u>1/6 100 OHM J</u>	903Ds only
J283	<u>RD-AZ101J-</u>	<u>R CARBON FILM</u>	<u>1/6 100 OHM J</u>	904DF only
J289	<u>85801052GY</u>	<u>WIRE COPPER</u>	<u>1/0.52 TIN COATING</u>	904DF only
L191	5MC0000053	COIL CHOKE	CH-070N	
L501	5CPZ101K03	COIL PEAKING	100UH K (AXIAL 7MM)	
L801	5CPZ128K02	COIL PEAKING	0.12UH K (AXIAL 3.5MM)	
L802	5CPZ101K02	COIL PEAKING	100UH K (AXIAL 3.5MM)	
L803	5CPZ101K02	COIL PEAKING	100UH K (AXIAL 3.5MM)	
L804	5CPZ128K02	COIL PEAKING	0.12UH K (AXIAL 3.5MM)	
L831	5CPZ128K02	COIL PEAKING	0.12UH K (AXIAL 3.5MM)	
L834	5CPZ128K02	COIL PEAKING	0.12UH K (AXIAL 3.5MM)	
LED1	DSD50GYW--	LED	SD50GYW(GREEN/AMBER)	
△ LF001	5PDLF3060L	FILTER LINE	DLF-3060L	
△ P001	9979500010	RECEPTACLE	03ME3D/ FILTER EMI	
△ P001	<u>9979500019</u>	<u>RECEPTACLE</u>	<u>BNS-02AA4LR-2</u>	903Ds only
P802	4859242220	CONN WAFER	YFW800-02	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
PH001	1TLP721GR-	IC PHOTO COUPLER	TLP721D4GR	
PR001	DECPAC140M	POSISTOR	ECPAC140M290	
Q021	TKTC2073--	TR	KTC2073	
Q022	TZTC3207--	TR	KTC3207 (AUTO)	
Q101	TKSB546Y--	TR	KSB546-Y	
Q102	TZTC3207--	TR	KTC3207 (AUTO)	
Q103	TZTC3203Y-	TR	KTC3203Y (2120Y)	
Q161	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)	
Q162	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)	
Q163	TZTC3202Y-	TR	KTC3202Y (AUTO)(1959Y)	
Q164	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)	
Q194	T2SK2671--	FET	2SK2671	
Q201	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)	
Q202	TZTC3202Y-	TR	KTC3202Y (AUTO)(1959Y)	
Q203	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)	
Q221	T2SA1371--	TR	2SA1371	
Q222	TZTC3202Y-	TR	KTC3202Y (AUTO)(1959Y)	
Q223	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q231	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q232	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)	
Q241	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)	
Q242	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q243	T2SC4632--	TR	2SC4632	
Q243	TKSC5042F-	TR	KSC5042F	904DF only
Q244	T2SC4632--	TR	2SC4632	
Q244	TKSC5042F-	TR	KSC5042F	904DF only
Q301	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q302	TZSR1006--	TR	KSR1006 (AUTO)	
Q303	TZSR1006--	TR	KSR1006 (AUTO)	
Q304	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q305	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q307	TKTA1273Y-	TR	KTA1273-Y	
Q401	TZTC3207--	TR	KTC3207 (AUTO)	
Q402	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q503	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q504	TZTC3202Y-	TR	KTC3202Y (AUTO)(1959Y)	
Q505	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)	
Q506	T1RF630A--	FET	IRF630A	
⚠ Q507	T2SC5411--	TR	2SC5411	
Q508	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q531	TKSC2383Y-	TR	KSC 2383-Y	
Q541	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q542	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q543	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)	
Q544	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q545	T2SJ449---	TR	2SJ449	
Q572	TZSR1006--	TR	KSR1006 (AUTO)	
Q573	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q580	T1RF640---	FET	IRF640	
Q581	T1RF640---	FET	IRF640	
Q582	T1RF640---	FET	IRF640	
Q583	T1RF640---	FET	IRF640	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
Q584	T1RF640---	FET	IRF640	
Q601	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q602	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)	
Q801	TZTC3202Y-	TR	KTC3202Y (AUTO)(1959Y)	
Q802	TKSC1009Y-	TR	KSC-1009-Y	
Q803	TKSA910Y--	TR	KSA910Y	
Q804	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q805	TZTC3202Y-	TR	KTC3202Y (AUTO)(1959Y)	
Q806	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)	
Q807	TZSR1006--	TR	KSR1006 (AUTO)	
Q832	TKSC1009Y-	TR	KSC-1009-Y	
Q833	TKSA910Y--	TR	KSA910Y	
Q862	TKSC1009Y-	TR	KSC-1009-Y	
Q863	TKSA910Y--	TR	KSA910Y	
R001	RD-2Z474JS	R CARBON FILM	1/2 470K OHM J SMALL	
R018	RD-2Z334JS	R CARBON FILM	1/2 330K OHM J SMALL	
R020	RD-4Z100J-	R CARBON FILM	1/4 10 OHM J	
R021	RS02Z333J-	R M-OXIDE FILM	2W 33K OHM J	
R022	RS02Z333J-	R M-OXIDE FILM	2W 33K OHM J	
R023	RS01Z333J-	R M-OXIDE FILM	1W 33K OHM J (TAPPING)	
R024	RS02Z202J-	R M-OXIDE FILM	2W 2K OHM J (TAPPING)	
R025	RD-AZ511J-	R CARBON FILM	1/6 510 OHM J	
R026	RW01Z168JN	R WIRE WOUND	1W 0.16 OHM J NON-INDUCT	
R027	RW01Z168JN	R WIRE WOUND	1W 0.16 OHM J NON-INDUCT	
R028	RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J	
R029	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J	
R030	RS02Z202J-	R M-OXIDE FILM	2W 2K OHM J (TAPPING)	
R031	RD-2Z334JS	R CARBON FILM	1/2 330K OHM J SMALL	
R032	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
R103	RD-4Z224J-	R CARBON FILM	1/4 220K OHM J	
R104	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R105	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R106	RS02Z153J-	R M-OXIDE FILM	2W 15K OHM J (TAPPING)	
R107	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
R108	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R109	RD-AZ303J-	R CARBON FILM	1/6 30K OHM J	
R110	RD-2Z124JS	R CARBON FILM	1/2 120K OHM J SMALL	
R111	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R112	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R113	RN-AZ2211F	R METAL FILM	1/6 2.21K OHM F	
R115	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R118	RS02Z399J-	R M-OXIDE FILM	2W 3.9 OHM J	
R119	RS02Z439J-	R M-OXIDE FILM	2W 4.3 OHM J (TAPPING)	
R138	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J	
R139	RS01Z100J-	R M-OXIDE FILM	1W 10 OHM J (TAPPING)	
R141	RD-4Z224J-	R CARBON FILM	1/4 220K OHM J	
R142	RD-2Z623JS	R CARBON FILM	1/2 62K OHM J SMALL	
R150	RD-AZ274J-	R CARBON FILM	1/6 270K OHM J	
R151	RD-2Z124JS	R CARBON FILM	1/2 120K OHM J SMALL	
R152	RD-4Z274J-	R CARBON FILM	1/4 270K OHM J	
<u>R154</u>	<u>RD-AZ363J-</u>	<u>R CARBON FILM</u>	<u>1/6 36K OHM J</u>	<u>903Ds only</u>
R154	RN-AZ3012F	R METAL FILM	1/6 30.1K OHM F	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
R156	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	903Ds only
R157	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R158	RD-2Z221JS	R CARBON FILM	1/2 220 OHM J SMALL	
R159	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R160	RD-AZ100J-	R CARBON FILM	1/6 10 OHM J	
R161	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
<u>R162</u>	<u>RD-AZ104J-</u>	<u>R CARBON FILM</u>	<u>1/6 100K OHM J</u>	
R162	RD-AZ823J-	R CARBON FILM	1/6 82K OHM J	
R163	RD-4Z183J-	R CARBON FILM	1/4 18K OHM J	
<u>R163</u>	<u>RD-4Z273J-</u>	<u>R CARBON FILM</u>	<u>1/4 27K OHM J</u>	
R164	RD-AZ123J-	R CARBON FILM	1/6 12K OHM J	903Ds only
R165	RD-AZ123J-	R CARBON FILM	1/6 12K OHM J	
R166	RX07T560J-	R CEMENT	7W 56 OHM J TRIPOD TYPE	
R167	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R168	RS02Z229J-	R M-OXIDE FILM	2W 2.2 OHM J(TAPPING)	
R169	RD-4Z821J-	R CARBON FILM	1/4 820 OHM J	
R171	RD-AZ393J-	R CARBON FILM	1/6 39K OHM J	
R188	RD-2Z479JS	R CARBON FILM	1/2 4.7 OHM J SMALL	
R192	RD-4Z471J-	R CARBON FILM	1/4 470 OHM J	
R200	RD-4Z104J-	R CARBON FILM	1/4 100K OHM J	
R204	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R205	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
R206	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R209	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R210	RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J	
R211	RD-4Z123J-	R CARBON FILM	1/4 12K OHM J	
R220	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R221	RD-2Z229JS	R CARBON FILM	1/2 2.2 OHM J SMALL	
R222	RD-2Z204JS	R CARBON FILM	1/2 200K OHM J SMALL	
<u>R222</u>	<u>RD-2Z244JS</u>	<u>R CARBON FILM</u>	<u>1/2 240K OHM J SMALL</u>	904DF only
<u>R222</u>	<u>RD-2Z334JS</u>	<u>R CARBON FILM</u>	<u>1/2 330K OHM J SMALL</u>	903Ds only
R224	RD-4Z274J-	R CARBON FILM	1/4 270K OHM J	
R225	RD-4Z104J-	R CARBON FILM	1/4 100K OHM J	
R226	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R227	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R228	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	
R229	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R230	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R231	RD-2Z229JS	R CARBON FILM	1/2 2.2 OHM J SMALL	
⚠ R232	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J	
<u>R232</u>	<u>RD-AZ203J-</u>	<u>R CARBON FILM</u>	<u>1/6 20K OHM J</u>	903Ds only
⚠ R233	RD-AZ123J-	R CARBON FILM	1/6 12K OHM J	
R234	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R235	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J	
R236	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R237	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J	
R238	RD-2Z334J-	R CARBON FILM	1/2 330K OHM J	
R241	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R242	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
R243	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	
<u>R243</u>	<u>RN-AZ1211F</u>	<u>R METAL FILM</u>	<u>1/6 1.21K OHM F</u>	903Ds only
<u>R243</u>	<u>RN-AZ1431F</u>	<u>R METAL FILM</u>	<u>1/6 1.43K OHM F</u>	904DF only

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
R244	RD-AZ100J-	R CARBON FILM	1/6 10 OHM J	<u>903Ds only</u> <u>904DF only</u>
R245	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J	
R246	RD-AZ513J-	R CARBON FILM	1/6 51K OHM J	
R247	RD-2Z203JS	R CARBON FILM	1/2 20K OHM J SMALL	
R250	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J	
<u>R250</u>	<u>RN-AZ1301F</u>	<u>R METAL FILM</u>	<u>1/6 1.3K OHM F</u>	
<u>R250</u>	<u>RN-AZ1581F</u>	<u>R METAL FILM</u>	<u>1/6 1.58K OHM F</u>	
R251	RD-4Z684J-	R CARBON FILM	1/4 680K OHM J	
R253	RD-4Z105J-	R CARBON FILM	1/4 1M OHM J	
R257	RS02Z823J-	R M-OXIDE FILM	2W 82K OHM J (TAPPING)	
R258	RS02Z823J-	R M-OXIDE FILM	2W 82K OHM J (TAPPING)	
R260	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J	
R261	RS02Z330J-	R M-OXIDE FILM	2W 33 OHM J (TAPPING)	
R302	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R305	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R306	RD-AZ393J-	R CARBON FILM	1/6 39K OHM J	
R307	RD-AZ393J-	R CARBON FILM	1/6 39K OHM J	
R312	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R313	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R314	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R315	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R316	RD-AZ106J-	R CARBON FILM	1/6 10M OHM J	
R317	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R318	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R319	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
R328	RD-4Z151J-	R CARBON FILM	1/4 150 OHM J	
R330	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R331	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R334	RD-2Z229JS	R CARBON FILM	1/2 2.2 OHM J SMALL	
R335	RD-AZ564J-	R CARBON FILM	1/6 560K OHM J	
R337	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R345	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R346	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R348	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R349	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R351	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R352	RD-AZ563J-	R CARBON FILM	1/6 56K OHM J	
R354	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R357	RD-AZ563J-	R CARBON FILM	1/6 56K OHM J	
R360	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R361	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
R363	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R365	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R367	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R368	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R369	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R371	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R372	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J	
R373	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R374	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R375	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
<u>R376</u>	<u>RD-AZ472J-</u>	<u>R CARBON FILM</u>	<u>1/6 4.7K OHM J</u>	<u>903Ds only</u>

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
<u>R376</u>	<u>RD-AZ472J-</u>	<u>R CARBON FILM</u>	<u>1/6 4.7K OHM J</u>	904DF only
R380	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J	
R381	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J	
R382	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J	
R383	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J	
R384	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J	
R401	RN-AZ1820F	R METAL FILM	1/6W 182 OHM F	
R402	RN-AZ5621F	R METAL FILM	1/6 5.62K OHM F	
R403	RD-4Z309J-	R CARBON FILM	1/4 3 OHM J	
R404	RD-4Z309J-	R CARBON FILM	1/4 3 OHM J	
R405	RS02Z121J-	R M-OXIDE FILM	2W 120 OHM J (TAPPING)	
<u>R405</u>	<u>RS02Z151J-</u>	<u>R M-OXIDE FILM</u>	<u>2W 150 OHM J (TAPPING)</u>	903Ds only
<u>R405</u>	<u>RS02Z201J-</u>	<u>R M-OXIDE FILM</u>	<u>2W 200 OHM J</u>	904DF only
<u>R406</u>	<u>RW02Z209JN</u>	<u>R WIRE WOUND</u>	<u>2W 2 OHM J NON-INDUCT</u>	903Ds only
<u>R406</u>	<u>RW02Z249JN</u>	<u>R WIRE WOUND</u>	<u>2W 2.4 OHM J NON-INDUCT</u>	
R407	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R408	RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J	
R409	RD-2Z102JS	R CARBON FILM	1/2 1.0K OHM J SMALL	
R410	RN-AZ2002F	R METAL FILM	1/6 20.0K OHM F	
<u>R411</u>	<u>RN-AZ3052F</u>	<u>R METAL FILM</u>	<u>1/6 30.5K OHM F</u>	903Ds only
<u>R411</u>	<u>RN-AZ3052F</u>	<u>R METAL FILM</u>	<u>1/6 30.5K OHM F</u>	904DF only
R411	RN-AZ3092F	R METAL FILM	1/6 30.9K OHM F	
<u>R412</u>	<u>RS02Z109J-</u>	<u>R M-OXIDE FILM</u>	<u>2W 1 OHM J (TAPPING)</u>	903Ds only
R412	RS02Z369J-	R M-OXIDE FILM	2W 3.6 OHM J (TAPPING)	
R413	RS02Z129J-	R M-OXIDE FILM	2W 1.2 OHM J (TAPPING)	
R414	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R415	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R416	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R417	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	
R500	RS02Z820J-	R M-OXIDE FILM	2W 82 OHM J (TAPPING)	
R501	RD-2Z331JS	R CARBON FILM	1/2 330 OHM J SMALL	
R502	RD-2Z101JS	R CARBON FILM	1/2 100 OHM J SMALL	
R503	RS02Z159J-	R M-OXIDE FILM	2W 1.5 OHM J	
R504	RS02Z159J-	R M-OXIDE FILM	2W 1.5 OHM J	
<u>R505</u>	<u>RX05B509JE</u>	<u>R CEMENT</u>	<u>5W 5 OHM J BENCH 12.5MM</u>	904DF only
<u>R505</u>	<u>RX05B689JE</u>	<u>R CEMENT</u>	<u>5W 6.8 OHM J BENCH 12.5MM</u>	903Ds only
R510	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R511	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R512	RN-AZ3401F	R METAL FILM	1/6 3.4K OHM F	
R513	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R516	RD-4Z332J-	R CARBON FILM	1/4 3.3K OHM J	
R517	RD-2Z101JS	R CARBON FILM	1/2 100 OHM J SMALL	
R518	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J	
R519	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J	
R520	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	
R521	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R522	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R524	RS01Z689J-	R M-OXIDE FILM	1W 6.8 OHM J (TP)	
R526	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R527	RS01Z331J-	R M-OXIDE FILM	1W 330 OHM J (TAPPING)	
R528	RS02Z101J-	R M-OXIDE FILM	2W 100 OHM J (TAPPING)	
<u>R528</u>	<u>RS02Z470J-</u>	<u>R M-OXIDE FILM</u>	<u>2W 47 OHM J (TAPPING)</u>	903Ds only

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
R528	RS02Z470J-	R M-OXIDE FILM	2W 47 OHM J (TAPPING)	904DF only
R529	RS02Z101J-	R M-OXIDE FILM	2W 100 OHM J (TAPPING)	
R529	RS02Z470J-	R M-OXIDE FILM	2W 47 OHM J (TAPPING)	903Ds only
R529	RS02Z470J-	R M-OXIDE FILM	2W 47 OHM J (TAPPING)	904DF only
R530	RD-2Z309JS	R CARBON FILM	1/2 3 OHM J SMALL	
R531	RS02Z100J-	R M-OXIDE FILM	2W 10 OHM J (TAPPING)	903Ds only
R531	RS02Z100J-	R M-OXIDE FILM	2W 10 OHM J (TAPPING)	904DF only
R531	RS02Z101J-	R M-OXIDE FILM	2W 100 OHM J (TAPPING)	
R533	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R534	RS01Z271J-	R M-OXIDE FILM	1W 270 OHM J (TAPPING)	
R535	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R536	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R537	RD-4Z100J-	R CARBON FILM	1/4 10 OHM J	
R538	RD-2Z229JS	R CARBON FILM	1/2 2.2 OHM J SMALL	
R539	RS01Z562J-	R M-OXIDE FILM	1W 5.6K OHM J (TAPPING)	
R540	RD-4Z472J-	R CARBON FILM	1/4 4.7K OHM J	
R541	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J	904DF only
R541	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	903Ds only
R541	RN-AZ3301F	R METAL FILM	1/6 3.3K OHM F	
R542	RD-AZ751J-	R CARBON FILM	1/6 750 OHM J	
R543	RD-2Z229JS	R CARBON FILM	1/2 2.2 OHM J SMALL	
R544	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J	904DF only
R544	RN-AZ1002F	R METAL FILM	1/6 10K OHM F	903Ds only
R544	RN-AZ8201F	R METAL FILM	1/6 8.2K OHM F	
R545	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R545	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J	904DF only
R546	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R546	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J	904DF only
R547	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
R548	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R549	RD-2Z102JS	R CARBON FILM	1/2 1.0K OHM J SMALL	
R549	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	903Ds only
R549	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	904DF only
R550	RD-2Z102JS	R CARBON FILM	1/2 1.0K OHM J SMALL	
R551	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R551	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J	903Ds only
R551	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J	904DF only
R552	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R553	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R554	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R555	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R556	RD-2Z100JS	R CARBON FILM	1/2 10 OHM J SMALL	
R557	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R558	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R559	RS02Z129J-	R M-OXIDE FILM	2W 1.2 OHM J (TAPPING)	
R560	RD-2Z100JS	R CARBON FILM	1/2 10 OHM J SMALL	
R561	RD-4Z123J-	R CARBON FILM	1/4 12K OHM J	
R561	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	903Ds only
R561	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	904DF only
R562	RS02Z689J-	R M-OXIDE FILM	2W 6.8 OHM J	
R563	RS02Z689J-	R M-OXIDE FILM	2W 6.8 OHM J	
R564	RD-2Z309JS	R CARBON FILM	1/2 3 OHM J SMALL	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
R569	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	903Ds only 904DF only
R571	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R572	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	
R573	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
<u>R574</u>	<u>RD-AZ472J-</u>	<u>R CARBON FILM</u>	<u>1/6 4.7K OHM J</u>	
<u>R574</u>	<u>RD-AZ472J-</u>	<u>R CARBON FILM</u>	<u>1/6 4.7K OHM J</u>	
R576	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R577	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R579	RD-2Z309JS	R CARBON FILM	1/2 3 OHM J SMALL	
R580	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R581	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R582	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R583	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R584	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R585	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
R586	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
R587	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
R588	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
R589	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
R601	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R602	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
R606	RD-4Z123J-	R CARBON FILM	1/4 12K OHM J	
R607	RD-AZ393J-	R CARBON FILM	1/6 39K OHM J	
R608	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R702	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J	
R703	RD-AZ273J-	R CARBON FILM	1/6 27K OHM J	
R704	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	
R705	RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J	
R706	RD-AZ623J-	R CARBON FILM	1/6 62K OHM J	
R801	HRFT750JCA	R CHIP	1/10 75 OHM J 2012	
R802	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
R803	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J	
R804	HRFT220JCA	R CHIP	1/10 22 OHM J 2012	
R805	RD-4Z560J-	R CARBON FILM	1/4 56 OHM J	
R807	RD-2Z330J-	R CARBON FILM	1/2 33 OHM J	
R808	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
R809	RD-AZ123J-	R CARBON FILM	1/6 12K OHM J	
R810	RD-AZ912J-	R CARBON FILM	1/6 9.1K OHM J	
R811	RD-AZ753J-	R CARBON FILM	1/6 75K OHM J	
R812	RD-AZ203J-	R CARBON FILM	1/6 20K OHM J	
R813	RD-AZ224J-	R CARBON FILM	1/6 220K OHM J	
R814	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J	
R815	RD-AZ224J-	R CARBON FILM	1/6 220K OHM J	
R816	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
R817	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	
R821	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
R822	RD-AZ513J-	R CARBON FILM	1/6 51K OHM J	
R823	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
R824	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J	
R825	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R826	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R827	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
R828	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R829	HRFT332JCA	R CHIP	1/10 3.3K OHM J 2012	
R831	HRFT750JCA	R CHIP	1/10 75 OHM J 2012	
R832	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
R833	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J	
R834	HRFT220JCA	R CHIP	1/10 22 OHM J 2012	
R835	RD-4Z560J-	R CARBON FILM	1/4 56 OHM J	
R837	RD-2Z330J-	R CARBON FILM	1/2 33 OHM J	
R838	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
R839	RD-AZ123J-	R CARBON FILM	1/6 12K OHM J	
R840	RD-AZ912J-	R CARBON FILM	1/6 9.1K OHM J	
R841	RD-AZ753J-	R CARBON FILM	1/6 75K OHM J	
R842	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R843	RD-AZ224J-	R CARBON FILM	1/6 220K OHM J	
R844	HRFT104JCA	R CHIP	1/10 100K OHM J 2012	
R845	RD-AZ224J-	R CARBON FILM	1/6 220K OHM J	
R846	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
R847	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	
R848	HRFT122JCA	R CHIP	1/10 1.2K OHM J 2012	
R849	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	
R850	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J	
R851	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012	
R852	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
R853	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R855	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R856	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	
R857	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
R858	HRFT242JCA	R CHIP	1/10 2.4K OHM J 2012	
R859	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R861	HRFT750JCA	R CHIP	1/10 75 OHM J 2012	
R862	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
R863	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J	
R864	HRFT220JCA	R CHIP	1/10 22 OHM J 2012	
R865	RD-4Z750J-	R CARBON FILM	1/4 75 OHM J	
R867	RD-2Z330J-	R CARBON FILM	1/2 33 OHM J	
R868	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
R869	RD-AZ123J-	R CARBON FILM	1/6 12K OHM J	
R870	RD-AZ912J-	R CARBON FILM	1/6 9.1K OHM J	
R871	RD-AZ753J-	R CARBON FILM	1/6 75K OHM J	
R872	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R873	RD-AZ224J-	R CARBON FILM	1/6 220K OHM J	
R874	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J	
R875	RD-AZ224J-	R CARBON FILM	1/6 220K OHM J	
R876	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
R877	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	
R881	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
R882	RD-AZ622J-	R CARBON FILM	1/6 6.2K OHM J	
R883	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
R884	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
R885	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R886	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R887	HRFT332JCA	R CHIP	1/10 3.3K OHM J 2012	

LOC	PART-CODE	PART-NAME	PART-DESC	NOTE
R888	HRFT242JCA	R CHIP	1/10 2.4K OHM J 2012	
R889	HRFT203JCA	R CHIP	1/10 20K OHM J 2012	
R890	HRFT392JCA	R CHIP	1/10 3.9K OHM J 2012	
R891	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R892	RD-AZ124J-	R CARBON FILM	1/6 120K OHM J	
R893	RD-AZ124J-	R CARBON FILM	1/6 120K OHM J	
R894	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R895	RD-2Z121J-	R CARBON FILM	1/2 120 OHM J	
R896	RD-4Z564J-	R CARBON FILM	1/4 560K OHM J	
R897	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
R898	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
RA301	RA-A6X472J	R ARRAY	6P(5) 1/6 4.7K OHM J	
RA302	RA-A8X472J	R ARRAY	8P(7) 1/6 4.7K OHM J	
RL001	5SC0102116	SW RELAY	ALA2PF12 1C-2P	
⚠ SC01	9970800025	CABLE SIGNAL AS	15P+1C/DDC=1.5M(GY-275A)	
⚠ SC01	9970800034	CABLE SIGNAL AS	15P+2C/DDC=1.5M(GY-275A)	903Ds only
SG801	DWSP201M--	SURGE ABSORBER	WSP-201M	
SG802	4SG0D00104	SPARK GAP	S-23 1.5KV	
SG831	DWSP201M--	SURGE ABSORBER	WSP-201M	
SG861	DWSP201M--	SURGE ABSORBER	WSP-201M	
SW701	5S50101Z10	SW TACT	KPT-1115AM	
SW702	5S50101Z10	SW TACT	KPT-1115AM	
SW703	5S50101Z10	SW TACT	KPT-1115AM	
SW704	5S50101Z10	SW TACT	KPT-1115AM	
SW705	5S50101Z10	SW TACT	KPT-1115AM	
SW706	5S50101Z10	SW TACT	KPT-1115AM	
T002	5RY0000007	TRANS SYNC	DST-902D	
⚠ T003	5RM0000096	TRANS SMPS	DMT-902D	
T501	5RD0000038	TRANS DRIVE	DDT-901	
T503	5MH0000066	COIL H-LINEARITY	TRL-902D	
T503	5MH0000071	COIL H-LINEARITY	TRL-903DS	903Ds only
T503	5MH0000078	COIL H-LINEARITY	TRL-904DF	904DF only
T504	5RH0000114	FBT	6174Z-1018B	904DF only
T504	5RH0000118	FBT	HFL1127RD-RC(Y265471)	
T504	5RH0000121	FBT	HFL1127RD-RC(Y265478)	903Ds only
T507	5R50000014	TRANS BUCK	DT-712D	
TH001	DTP8D13---	THERMISTOR	TP8D13	
TH501	DT5D210K38	THERMISTOR	T5D210K38JBSDA-0 (DISK)	
VR151	RV6121503P	R SEMI FIXED	CCT 063BT 50K OHM B TAP	
VR201	RV6421502P	R SEMI FIXED	CCT 065AT 5K OHM B TAP	
VR501	RV6421202P	R SEMI FIXED	CCT 065AT 2K OHM B TAP	
X301	5XJ6R0000E	CRYSTAL QUARTZ	HC-49/S 6MHZ 22PF 30PPM	
X501	5PCSB500E5	RESONATOR CERA	CSB500E5 (500KHZ)	