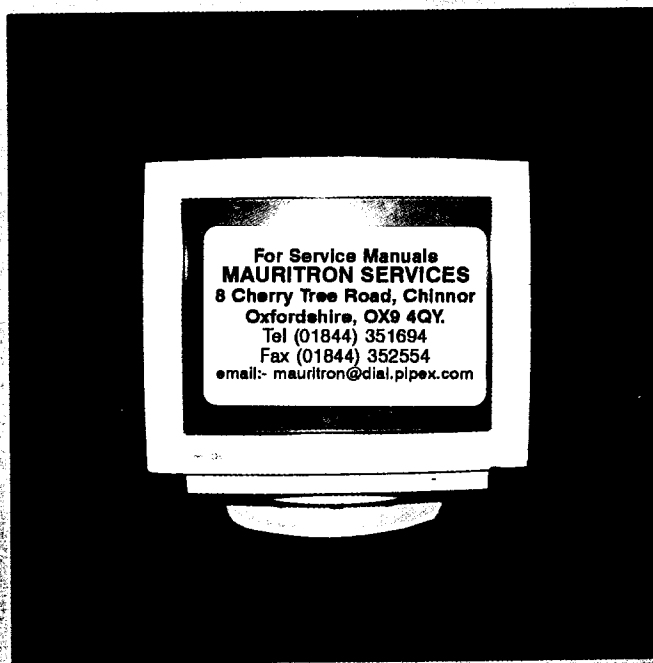


SAURITRON

17" EXTENDED VGA COLOR MONITOR

SERVICE MANUAL

SC-726V



SPECIFICATION

Picture tube	M41 KJF 26 17 inches diagonal 90 degree deflection, 0.26mm dot pitch, black matrix
Input signal	Video: 0.7Vp-p Analog level positive Sync: TTL level
Display colors	Any Colors
Synchronization	Horizontal: 31.5KHz, 35.2KHz, 35.5KHz, 37.8KHz, 48KHz, 56.4KHz Vertical: 50~90Hz
Resolution	640 dots(H) × 480 Lines 800 dots(H) × 600 Lines 1024 dots(H) × 768 Lines
Video band width	60MHz(-3dB)
Display area	Horizontal: 290 ± 3mm Vertical: 218 ± 3mm
Ac Input voltage	AC 90V~132V/AC197V~265V
Power consumption	110W(MAX.)
Dimension	408(W) × 431(D) × 405(H)mm
Weight	25kg with packaging materials

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1. GENERAL INFORMATION

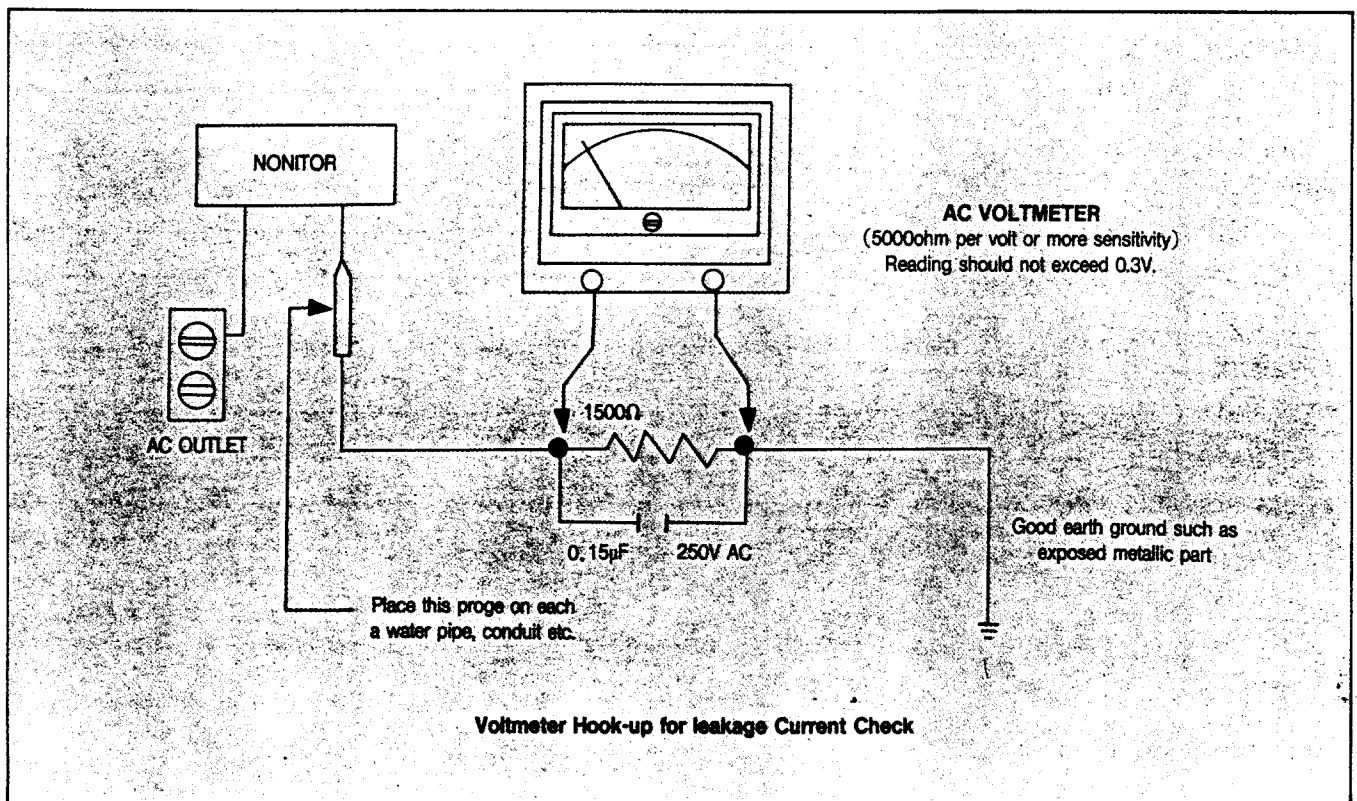
[1] SAFETY PRECAUTION

WARNING: Service should not be attempted anyone unfamiliar with the necessary precaution on this unit.
The following precautions are necessary during servicing.

1. Some parts such as a picture tube in this unit have special safety-related characteristics for X-RAY RADIATION protection.
For continued safety, the parts replacement should be undertaken referring to item 2 below.
2. Many electrical mechanical parts in this unit have special safety-related characteristics for protection against shock hazard and others.
These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage wattage, etc.
Replacement parts which have these special characteristics are identified in the manual and supplements by shading on the schematic diagram and the parts list.
Before replacing of these components read the parts list in this manual, carefully.
3. When replacing chassis in the cabinet, always be certain that all the protective devices are installed properly, such as insulation covers, strain relief, etc.
4. Before replacing the back cover of the set, thoroughly inspect inside the cabinet to see that no stray parts

or tools have been left inside.

5. Before returning the set to the customer always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as terminal, screw-heads, metal overlays, control shafts, etc. To be sure the set is safe to operate without danger of electrical shock. Plug the AC line cord directly into a 115V AC outlet (do not use a line isolation transformer during this check). Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner. Connect a 1500 ohm, 10 watt resistor, paralleled by a 0.15mfd(μ F), 250VAC capacitor, between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and 0.15mfd(μ F) capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.3V RMS. This corresponds to 0.2mA AC any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



[2] DOCUMENT DESCRIPTION

This is technical specification for a SC-726V Color display monitor.

This document contains information on all technical details of the monitor.

[3] DOCUMENT DESCRIPTION

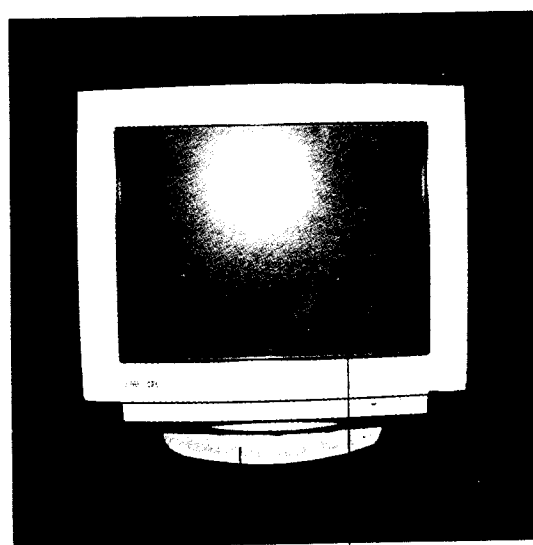
This SC-726V Color display monitor to be operated in Analog Drive mode in put a highlight of these is provided below.

- Resolution : 640 Dots×350 Lines
640 Dots×400 Lines
640 Dots×480 Lines
800 Dots×600 Lines
1024 Dots×768 Lines
- Display capability : up to 2400 Characters
- Active display area : Horizontal : 290±3mm
Vertical : 218±3mm
- Horizontal frequency : 31.5KHz/35.2KHz/35.5KHz
37.8KHz/48KHz/56.4KHz
- Vertical frequency : 50~90Hz

USING COLOR DISPLAY MONITOR

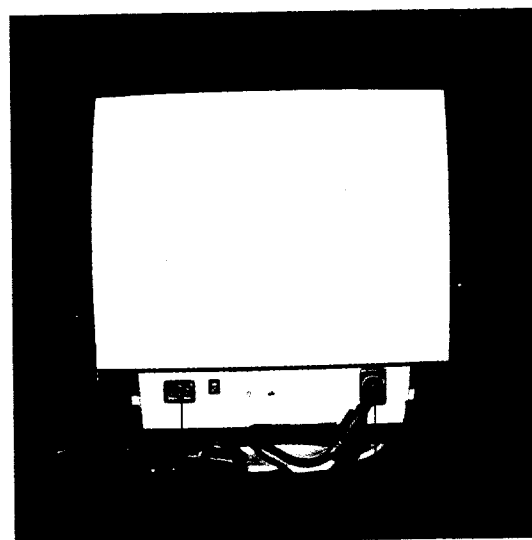
Meting SC 726V Color display monitor.

Refer to the diagram below to be sure that your SC 726V package includes all the items in his picture.
Save the original box and packing materials in case you have to ship or transport.



④

①



②

③

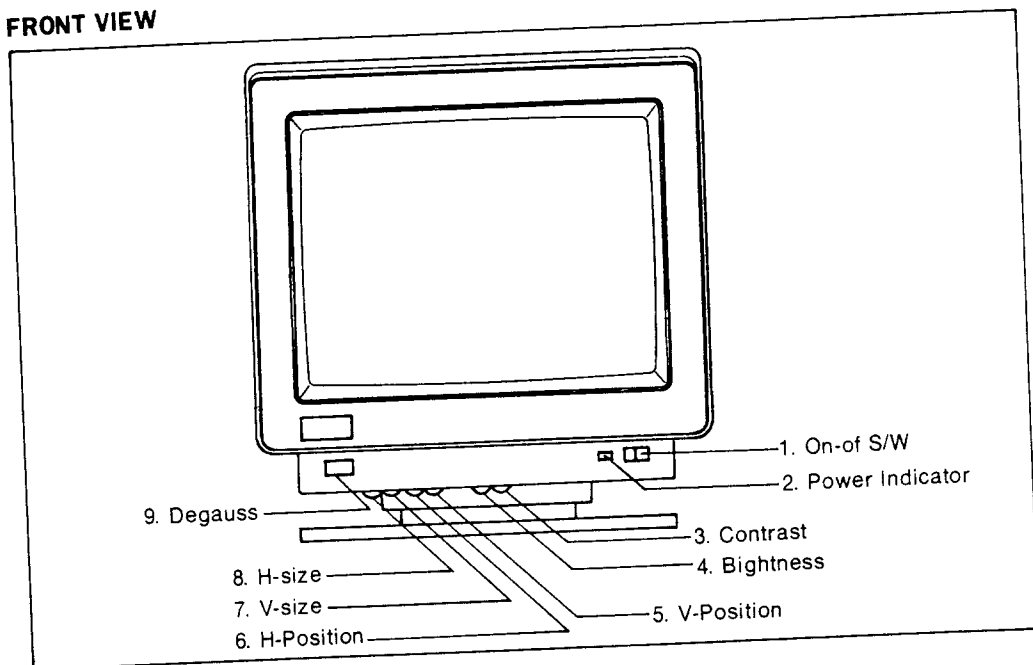
- ① Color display monitor(SC-726V)
- ② Power Input
- ③ Signal cable : Connets IBM PC or Compatibles
- ④ Swivel/Tilt stand

[4] ADJUSTMENTS

Apply power and Analog video to the data display.

1. ADJUSTING THE FRONT CONTROLS

FRONT VIEW



1. The On-Off Switch

The push-button on-off switch of Monitor is in the lower right-hand corner. To turn the Monitor on push the button forward. You will see the light of the power indicator. To turn the Monitor off push the switch again. The power indicator will go out.

2. The Power Indicator : Green light.

3. The Contrast Control : Rotating it increases or decreases the degree of difference between the lightest and darkest sections on the screen.

4. Brightness Control : Intensifies screen illumination.

5. V-Position : Adjustment for Vertical position

6. H-Position : Adjustment for horizontal position

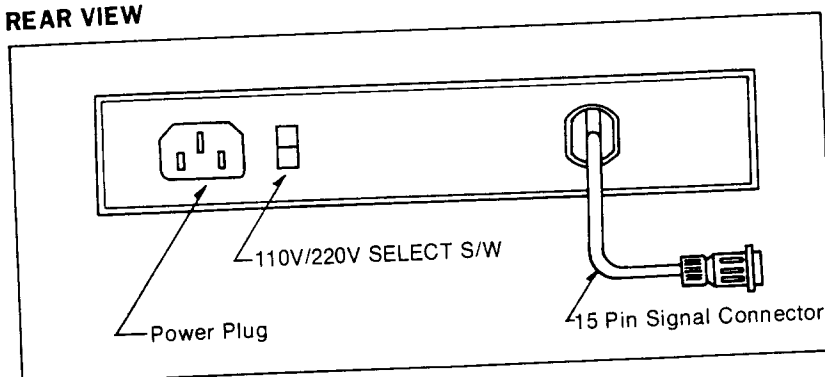
7. V-Size : Adjustment for Vertical height.

8. H-Size : Adjustment for horizontal width

9. DEGAUSS : Degausses the CDT.

2. ADJUSTING THE REAR CONTROLS

REAR VIEW



2. CHARACTERISTICS

[1] GENERAL CHARACTERISTICS

No.	Description	Nominal	Remark
1	CDT(Color Display Tube)	M41KJF 26	Ref. CDT Spec.
2	CDT Phosphor	P 22 Dark Phosphor	
3	D.Y Deflection Angle	90°	Ref. CDT Spec.
4	Resolution	640×480, 800×600, 1024×768	Graphic Mode
5	Horizontal Frequency	31.5KHz/35.2KHz/35.5KHz 37.8KHz/48KHz/56.4KHz	Ref. Timing Chart Fig 1.
6	Vertical Frequency	50~90Hz	
7	Input Signal	R.G.B Analog	
8	Power Consumption	Max : 110W	
9	Display Color	Any Colors	
10	Display Zone	290±3mm, 218±3mm	Ref. Fig. 2
11	Display Character	up to 2400 Characters	
12	Dot Pitch	0.26mm	
13	Weight	Approx, 25kg	

[2] Electrical Characteristics

2-1. Input Power

The display device shall maintain the specified performances in the range described below.

No.	Description	Nominal	Remark
1	Power Source	AC 90V~132V/AC 197V~265V	External Select
2	Frequency	47~63Hz	
3	Power Consumption	MAX, 110W	

2-2. Input Signal

The input signals shall be applied to the display devices through a signal cable which must be intended as part of the monitor.(Ref. Fig 1 Timing chart)

Section	Description	Nominal	Remark
Video Signal Red Green Blue	Video Input	0.0 to 0.7 V _{pp} Analog	
	Polarity	Positive	
	Pixel Rate	up to 75MHz	
	Rise/Fall Time	Less than 8 nsec	
	Input impedance	75 Ohms	
H-Sync.	Sync Input	$2.4 \leq \text{Level} \leq 5V$	
	Pulse Width	1.270~3.8 usec	
	Polarity	Positive or Negative	
	Frequency	31.5/35.2/35.5/37.8/48/56.4KHz	
	Front Porch	0.320~1.0 usec	
	Back Porch	1.280~4.06 usec	
V-Sync.	Sync Input	$2.4 \leq \text{Level} \leq 5V$	
	Pulse Width	0.064~0.125 msec	
	Polarity	Positive or Negative	
	Frequency	50~90Hz	
	Front Porch	0.025~1.2 msec	
	Back Porch	0.48~1.88 msec	

2-3. CRT Electrode voltage

No.	Description	Nominal	Remark
1	Heater	6.3V ± 0.5V, 630mA ± 30mA	
2	Cathode(R.G.B)	70 ± 10V	
3	Gride #1	-50V ~ -100V	
4	Gride #2	750V ± 20V	Screen
5	Gride #3	6.8KV ± 0.5KV	Focus
6	Anode Voltage	26KV ± 0.5KV	

2-4. Timing Characteristic

The monitor shall be capable of displaying 6 different vertical resolution within the scan frequencies as well as the scanning mode.

No	Description			Standard VGA			S-VGA	8514A	VGA2	Super VGA2		Extended VGA	
1	Horizontal	Frequency	KHz	31.50	31.50	31.50	35.16	35.52	37.897	37.897	48.077	48.300	56.476
		Line Time	us	31.77	31.77	31.77	28.44	28.15	26.413	26.40	20.80	20.68	17.707
		Active Time	us	25.17	25.17	25.17	22.22	22.80	20.317	20.00	16.00	15.99	13.658
		Blanking Time	us	3.77	3.77	3.77	2.00	3.92	1.27	3.20	2.40	2.23	1.813
		Front Porch	us	0.94	0.94	0.94	0.67	0.18	0.762	1.00	1.12	1.02	0.320
		Back Porch	us	1.89	1.89	1.89	3.56	1.25	4.063	2.20	1.28	1.44	1.920
		Dot		640	640	640	800	1024	640	800	800	1024	1024
2	Vertical	Frequency	Hz	70.0	70.0	60.0	56.0	87.0	72.809	60.316	72.187	60.0	70.069
		Line Time	ms	14.27	14.27	16.68	17.78	11.50	13.735	16.579	13.853	16.667	14.272
		Active Time	ms	11.13	12.72	15.25	17.07	10.81	12.678	15.84	12.480	15.880	13.599
		Blanking Time	ms	0.06	0.06	0.06	0.06	0.113	0.079	0.106	0.125	0.124	0.106
		Front Porch	ms	1.20	0.41	0.35	0.03	0.014	0.238	0.026	0.77	0.062	0.053
		Back Porch	ms	1.88	1.08	1.02	0.60	0.563	0.740	0.607	0.478	0.60	0.513
		Line		350	400	480	600	768	480	600	600	768	768

[3] MECHANICAL CHARACTERISTICS

3-1. Weight

The total weight shall be approximate 25.0kg

3-2. External Dimensions(mm)

	Without Stand	With Stand
Width	408	408
Height	370	405
Length	431	431

3-3. Tilt/Swivel

The inclination of the surface of the screen shall be adjustable at least -5deg. and $+15\text{deg.}$ With a min. 20deg. from the vertical. The swivel must be min. 180deg.

3-4. Tool Resin

Tool	Resin	Color
Front	ABS	Beige
Rear	"	"
Bottom Base	PC/ABS Alloy	"
Stand	"	"

3. ADJUSTMENTS

1. ADJUSTMENT FOR EACH PCB ASSEMBLY

1-1. Main board assembly

Check all volumes and set them at mechanical center.

Adjust VR802 so that the anode voltage would be 25.5kV to 26.5kV.

Adjust the screen voltage controller on FBT to be 730V to 770V.

Adjust VR303(horizontal frequency controller) so that the frequency counter can read from 30.40kHz to 32.50kHz without signal.

Check whether the vertical free running frequency operates at 50Hz to 55Hz.

1-2. SMPS

Adjust VR101 so that video B + line would be 90.5V to 91.5V.

Check others -6.3V, 12V, 24V and 170V lines which are approximate values.

1-3. Interface & video board

Check the VR930.

Apply 35.5kHz -1024dots * 768lines -mode signal.

Adjust VR601 so that the voltage of the pin no. 1 of T. P would be $6.1V \pm 0.3V$

Adjust VR602 so that the pulse width of pin no.3 of T.P would be $3.6ms \pm 0.1ms$.

2. ADJUSTMENT FOR PRODUCT

2-1. B+, anode voltage, VR601 and VR602 adjustment.

Apply 35.5kHz -1024dots * 768 lines -mode signal.

Adjust VR601 so that the voltage of the pin no.1 of T.P would be $6.1V \pm 0.3V$

Adjust VR602 so that the pulse width of pin no.3 of T.P would be $3.6ms \pm 0.1ms$.

Apply a X-cross pattern signal of 48.3kHz mode -1024dots * 768 lines. HEREAFTER. WE CALL THIS "STANDARD MODE"

Set the external contrast and brightness VRs at maximum position.

Set the other external VRs at the mechanical center.

Adjust VR101 so that the video B + line would be 90.5V to 91.5V.

Adjust VR802 so that the anode voltage would be 25.5kV to 26.5kV.

2-2. Horizontal adjustment

Apply the standard mode.

-horizontal raster position -

Adjust VR801(horizontal raster position controller) so that the raster would be positioned at the center on the screen.

-horizontal position -

Adjust VR302(internal horizontal position controller) so that the picture would be positioned at the center on the raster(tolerance: $\pm 1.5mm$).

-side pin -

Adjust VR703(trapezoidal) so that the top and bottom sizes of the picture would be same.

Adjust VR701(pin gain controller) so that the side lines would be straight.

Adjust VR702(parallelogram) in order the picture to be rectangle.

-horizontal size -

Adjust VR151(internal horizontal size controller) so that the horizontal picture size would be $290 \pm 3mm$.

2-3. Vertical adjustment

Apply the standard mode.

-vertical linearity -

Adjust the VR202(internal vertical size controller) so that the vertical size would be about 80% of the display area of CDT.

Adjust VR203(vertical linearity controller) to get optimum linearity.

-vertical size -

Adjust VR202(internal vertical size controller) so that the vertical size would be $218 \pm 3mm$.

-vertical position -

Adjust VR930(internal vertical raster position controller) so that the picture would be positioned at the center on the screen(tolerance: $\pm 1.5mm$).

2-4. Video adjustment

—raster bias—

Set VR851(external brightness controller) at maximum state.

Check whether the screen voltage is 730V to 770V.

Operate the monitor for 20 minutes to warm up.

Adjust VR852(internal brightness controller), VR402R, VR402G and VR402B(the bias voltage controllers of CDT) until the luminance of the screen would be 0.5 to 1.5 F/L. The X and Y color coordinate values are 0.281 ± 0.03 and 0.311 ± 0.03 , respectively.

—white balance—

Adjust VR401R, VR401G and VR401B(video gain controllers) so that the white color would meet the specification. The maximum luminance should be adjusted at 27 to 32 F/L when the full white pattern signal of 31.47kHz—640dots X 480lines is applied.

In the condition that the contrast and the brightness controllers are maximum state, the X and Y color coordinates must be 0.281 ± 0.03 and 0.311 ± 0.03 , respectively.

Adjust the brightness controller at minimum state and rotate the contrast controller until the luminance of video would be 5 F/L. If the color coordinates do not satisfy, adjust the VR402R, VR402G and VR402B to meet the spec.

Check the color coordinates whether the monitor satisfies the spec at 5 F/L to maximum brightness.

The CRT COLOR ANALYZER CA-100 made in MINOLTA, JAPAN should be used for measurement.

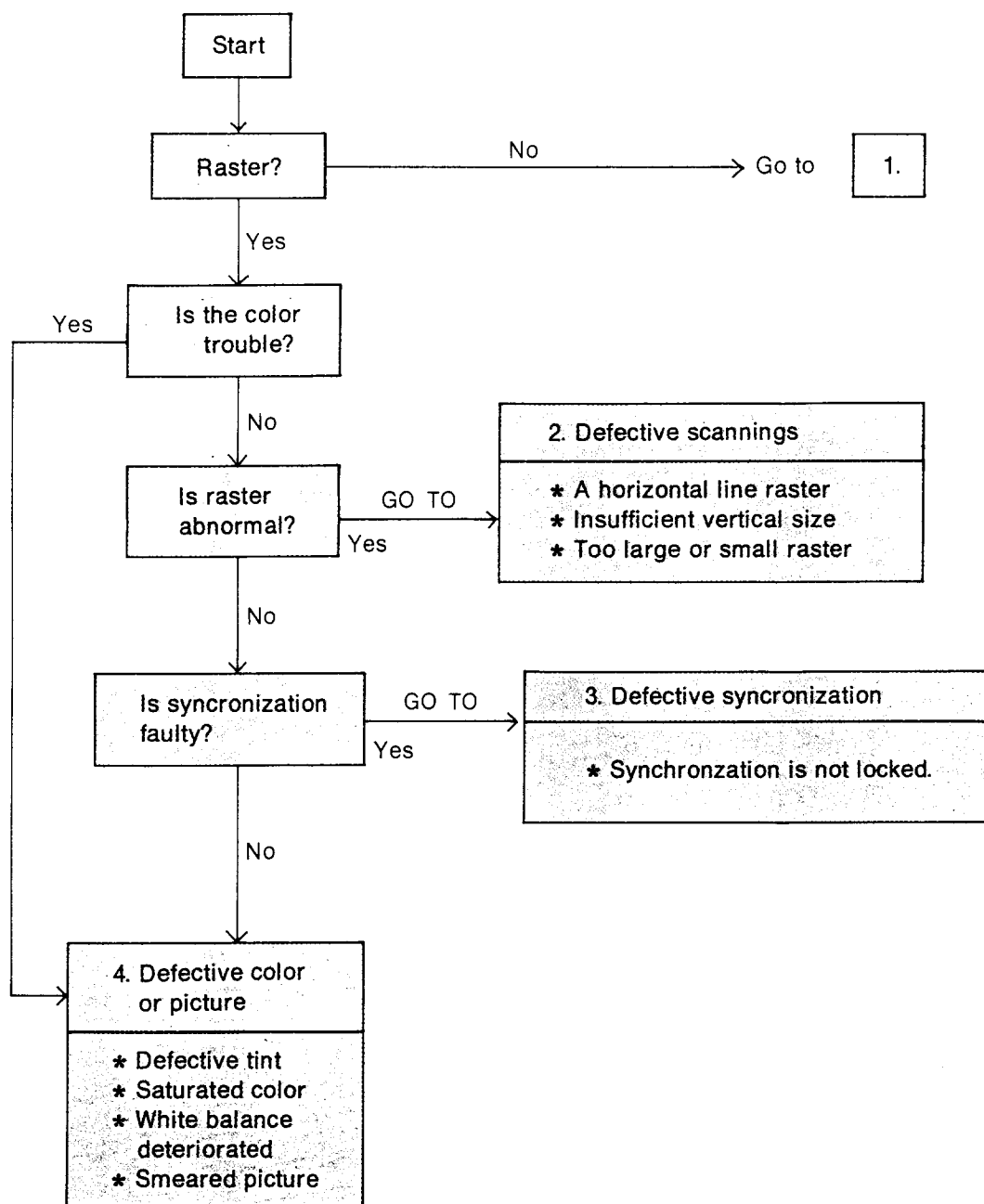
—focus—

Apply the focus pattern signal of 56kHz—1024dots X 768lines.

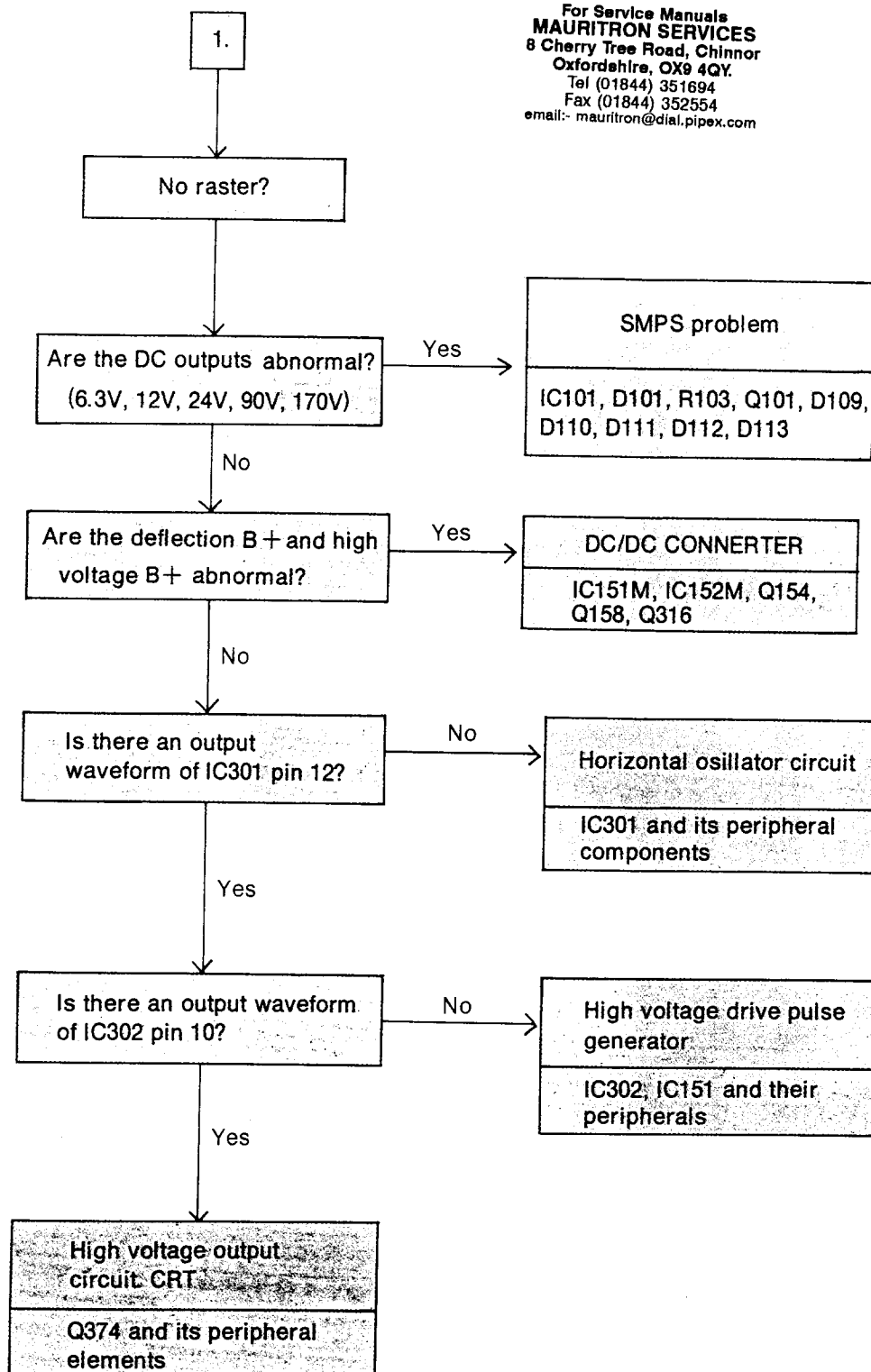
Adjust the focus VR on the FBT so that the picture would gain optimum state.

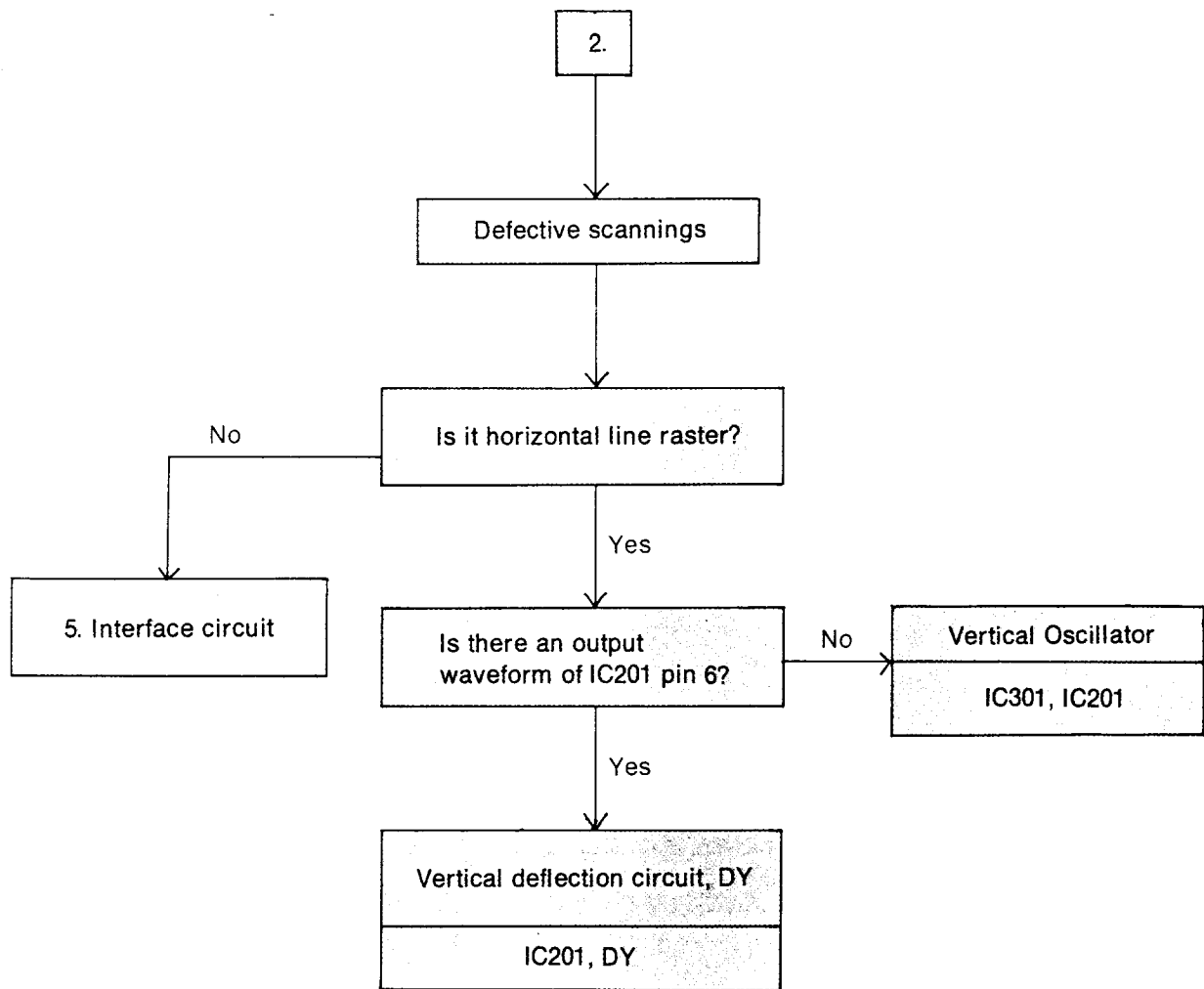
The brightness controller should be set at cutoff state and the contrast controller should be set at maximum state.

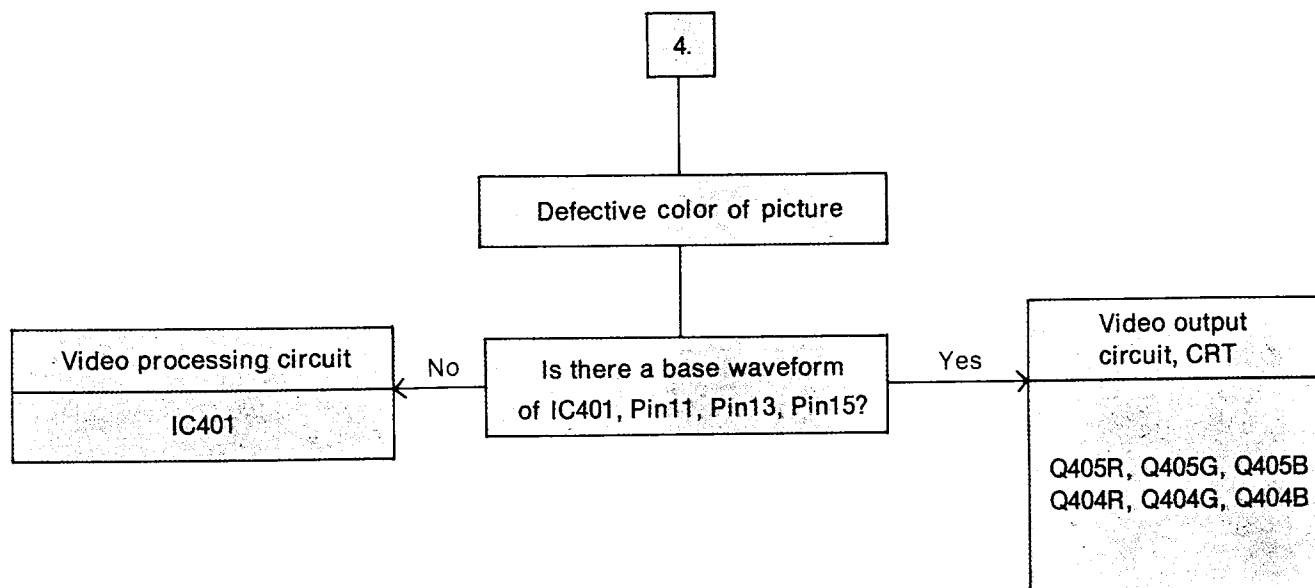
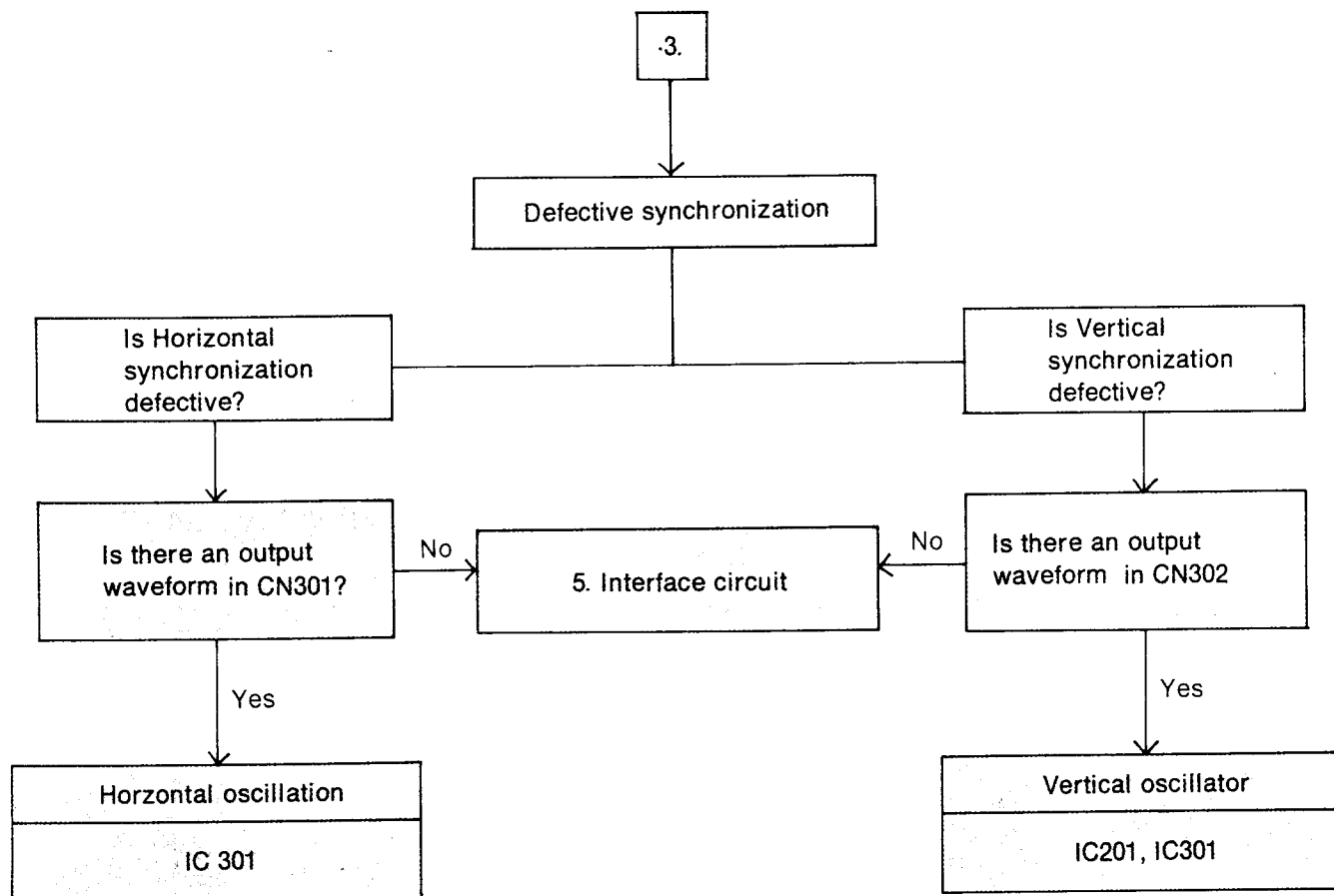
4. TROUBLE SHOOTING

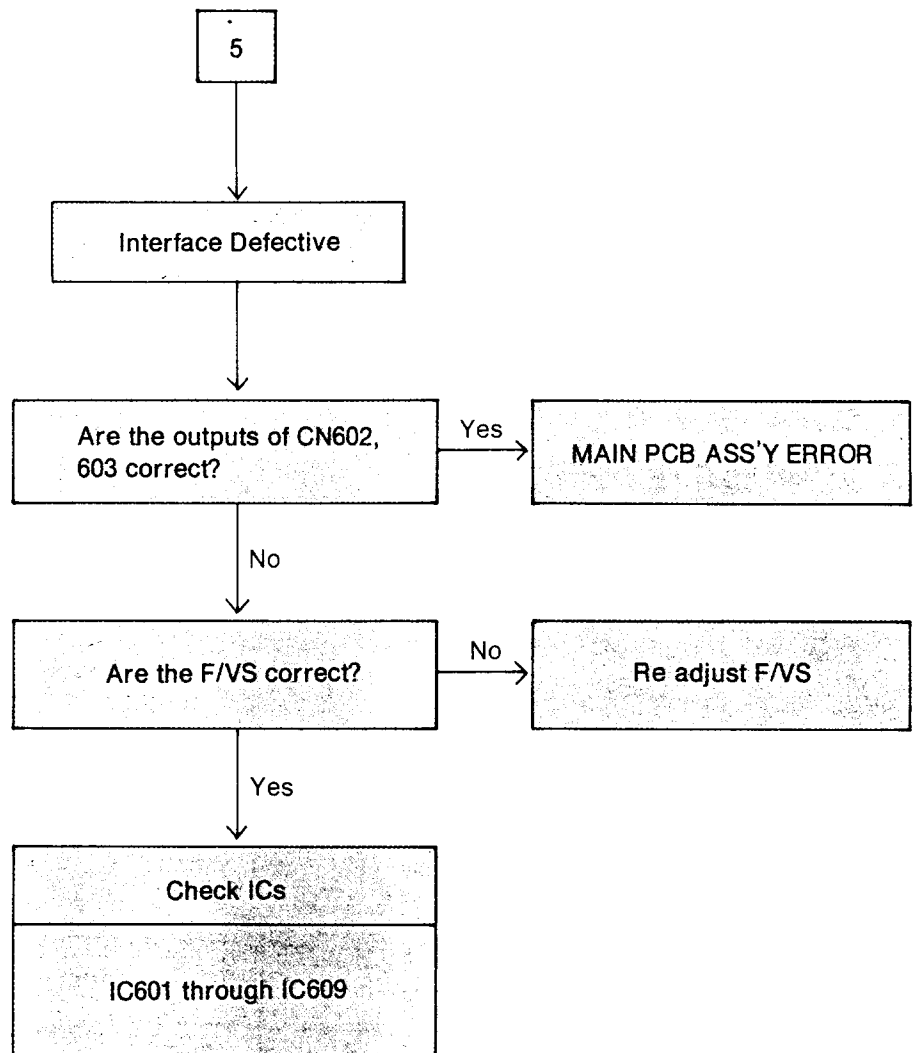


For Service Manuals
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5. THE THEORY OF CIRCUITRY OPERATION

1. GENERAL

This monitor contains four independent circuits—power supply, interface, deflection and video circuit.

2. POWER CIRCUIT

2-1. Surge Current Limit Circuit

R103 limits the surge current when the power is applied. As Q101 turns on, the induced voltage at the pin no.8 and 9 of T101 makes TY101 turn on. So there is little power dissipation in R103.

2-2. Oscillation and feedback circuit.

The rectified voltage by D101 is applied to the pin no.10 and 11 of IC101. The oscillation frequency is determined by C117 and R126 connected to the pin no.16 and 15, respectively. The initial pulse turns on Q101. At this time the primary winding of T101 stores the energy. T101 delivers the energy to the secondary windings during the turning off of Q101.

The variation of secondary voltage changes the current of IC101 by IC102. This current variation changes the level of voltage at pin no.2 of IC101. Error amplifier inside IC101 detects this variation and changes pulse width, that is, to make constant secondary voltage, controls the on-time of Q101.

The induced voltage in pin no.1 and 2 is applied to the pin no.10 and 11 of IC101 and IC101 has regular source.

2-3. Protection circuit

—over voltage protect circuit—

When the secondary voltages increase, the induced voltage at pin no.1 and 2 of T101 increases. This increasing voltage turns on D107 and makes pin no.12 of IC101 high. At this time, IC101 reduces the pulse width rapidly and controls secondary output.

—over current protect circuit—

If the secondary side is shorted or overloaded, the drain current of Q101 increases rapidly. This increasing current makes the pin no. 7 high due to R128 and R120. At this time, IC101 reduces the pulse width and controls secondary output.

3. VIDEO DRIVE CIRCUIT

The red, green and blue signals with analog level are applied to the pre-amplifier IC401(CXA1209). This IC amplifies the input signal to drive the video output stage.

The voltage applied to the pin no.3 of this device controls the voltage of each output. The output signals of this device are amplified by Q401X, Q420X and Q403X.

VR401X controls the swing level of the cascode output to adjust white balance. Clamping pulse is applied to the pin no.17 of IC401.

4. VIDEO OUTPUT CIRCUIT

The red, green and blue signals are applied to the base of cascode amplifier transistors, Q404X. These signals are amplified by output transistor, Q405X. The amplified signals are applied to the cascode of CDT through the SEPP which compensates the output impedance of CDT according to the frequency variation.

5. VERTICAL DEFLECTION CIRCUIT.

This monitor uses vertical deflection monolithic IC(LA7837). IC201 contains vertical trigger input, ramp generator, size control, drive and amplifier, pump-up and oneshot multi. Vertical trigger determined IC301 is applied to the pin no.2 of IC201. The voltage of pin no.4 of IC201 controls the vertical size. Vertical linearity is adjusted by VR203 integrating the saw-tooth voltage. The DC current through vertical deflection coil and move the raster up and down.

6. SIDE PINCUSHION CORRECTOR

This circuit compensates the east/west pincushion distortion. The signal processing for E/W pincushion correction is done in IC701, IC701M and IC702M. VR703 controls the picture to correct trapezoidal and VR702 controls the picture to correct parallelogram. VR701 controls the pincushion of the picture. The output of pin gain modulates the horizontal B+ through Q702.

7. HORIZONTAL DEFLECTION CIRCUIT

The horizontal positive sync signal is applied to pin no.1 of IC301. The saw-tooth wave of horizontal frequency is produced by integrating the horizontal pulse from T801, and is fed to pin no.4 of IC301 for AFC. Impedance connected to pin no.2 determines the relative position of picture. The horizontal oscillation frequency can be controlled by VR303 connected to pin no.8. The impedance of pin no.2 and 8 can be changed according to the mode variation. The horizontal frequency oscillation is obtained from the pin no.12 of IC301 and is fed to the horizontal drive stage. The pulse switching mode of the driver and output stage is of reverse polarity type, that is, when the driver transistor is on, the output transistor is off. The horizontal output circuit uses a resonant flyback system to drive the deflection yoke.

8. HIGH VOLTAGE DRIVE AND OUTPUT CIRCUIT

Switching frequency of this stage is the same as horizontal frequency, but delayed a little. The duty factor is determined by IC302 and IC151. The high voltage output circuit uses a resonant flyback system to generate high voltage pulse. T851 using the flyback pulse generates anode voltage and others to drive CDT.

9. HIGH VOLTAGE PROTECTION

If abnormal phenomena which increase the high voltage, take place, the components connected to the pin no.4 of the T851 shut down the drive stage, and the components connected to the pin no.5 of the T851 shut down the horizontal deflection IC301.

10. RETRACE CLAMPING CIRCUIT

Q804, Q805 and their peripheral components generate retrace clamping pulse by using the vertical and horizontal retrace pulse. This retrace clamping pulse is applied to G1 electrode.

11. SPOT KILLER CIRCUIT.

To preserve phosphor, the monitor uses spot killer circuit. Q852, Q853 and their peripheral components reduce the falling time to cut off the electron when the power is turned off.

12. DC TO DC CONVERTER

All components having circuit No.1 XX series transform the 170V to 40~90V and 60~120V according to mode change. The former is applied to the high voltage stage and the latter is applied to the horizontal deflection stage.

IC154(UPC1100C) changes duty cycle according to mode change. This converter is step-down type.

13. ACL CIRCUIT

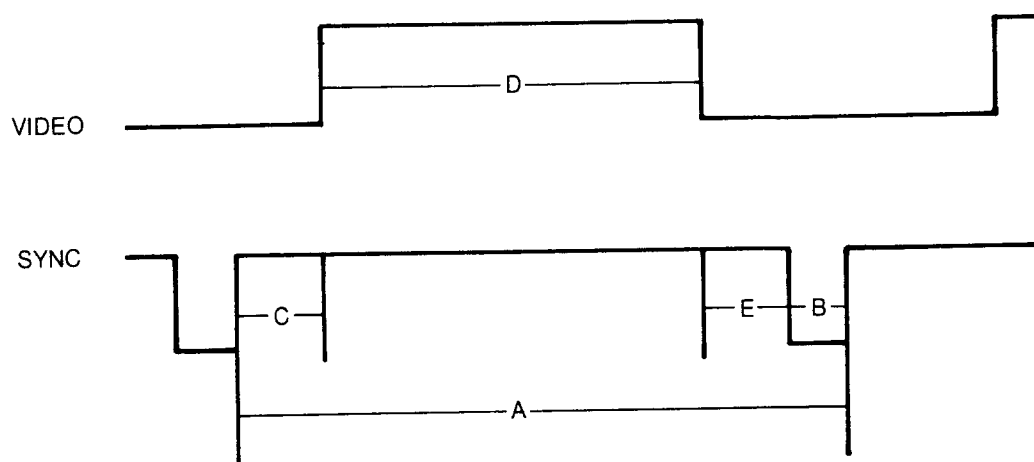
Q851 and its peripheral components reduce the swing level of video output when the full white pattern is applied. So the CDT can be saved from overload.

14. INTERFACE CIRCUIT

IC601 generates the positive polarity sync regardless of input polarity. IC602 generates constant duty cycle regardless of the duties of horizontal and vertical sync. IC603 integrates the vertical sync, amplifies this integrated signal and compare this signal. IC604 integrates horizontal sync and amplifies this integrated signal twice. IC605 compares the horizontal frequency. IC606 detects the horizontal frequency. IC607 detects the horizontal and vertical sync. IC608 and IC609 detect the mode variation and compensate the horizontal and vertical size, the horizontal and vertical position and side pin.

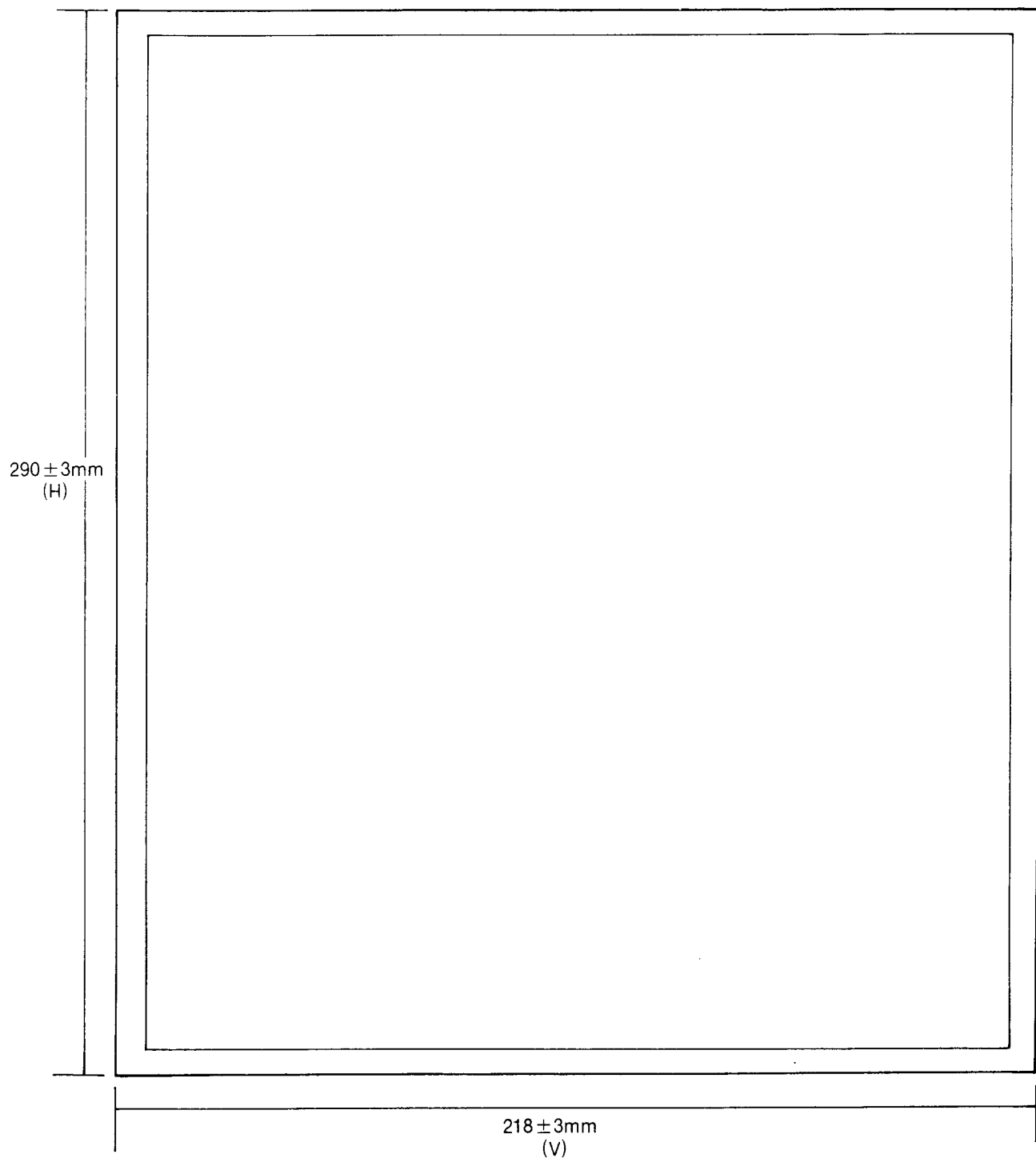
6. FIGURES

[1] Timing chart

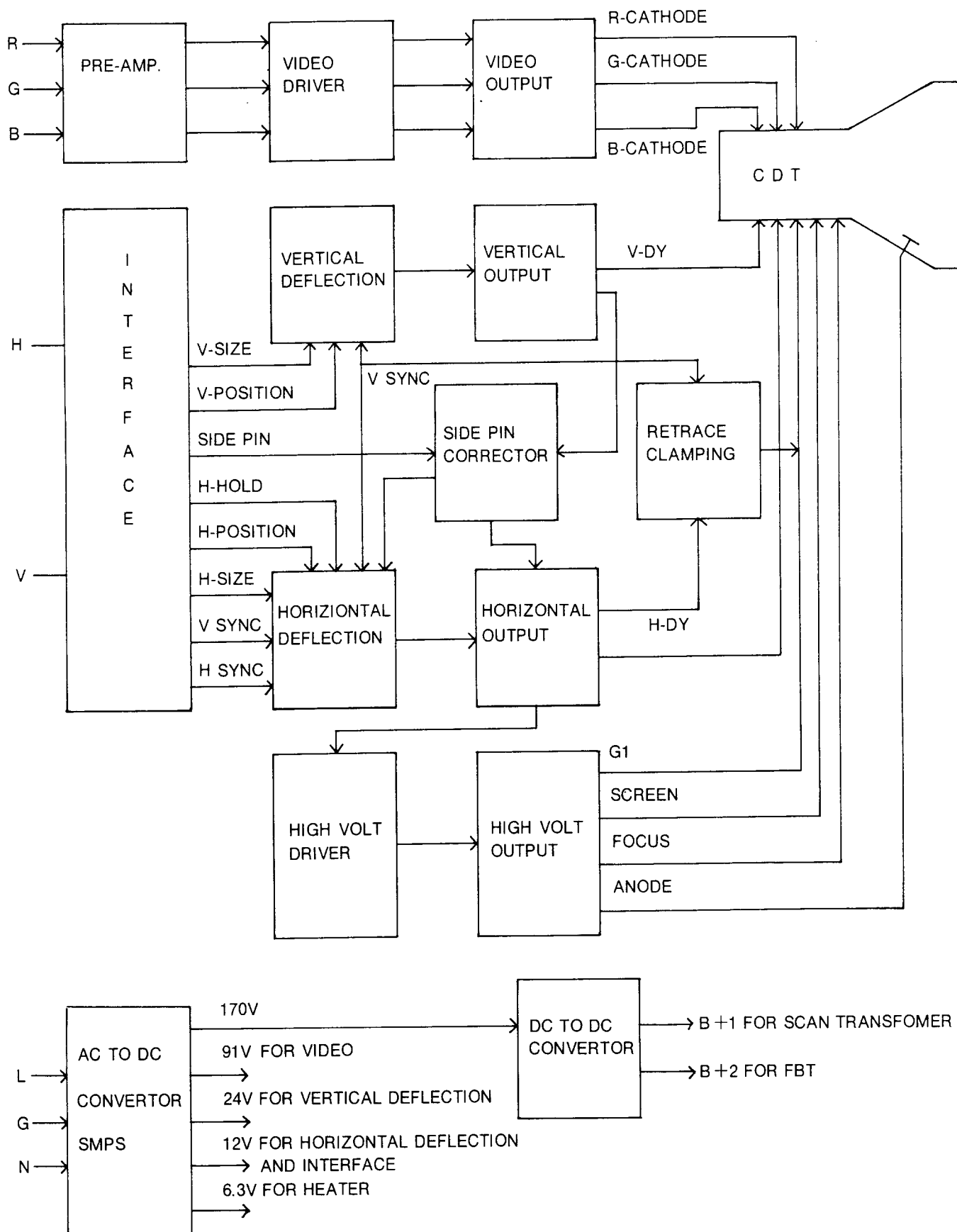


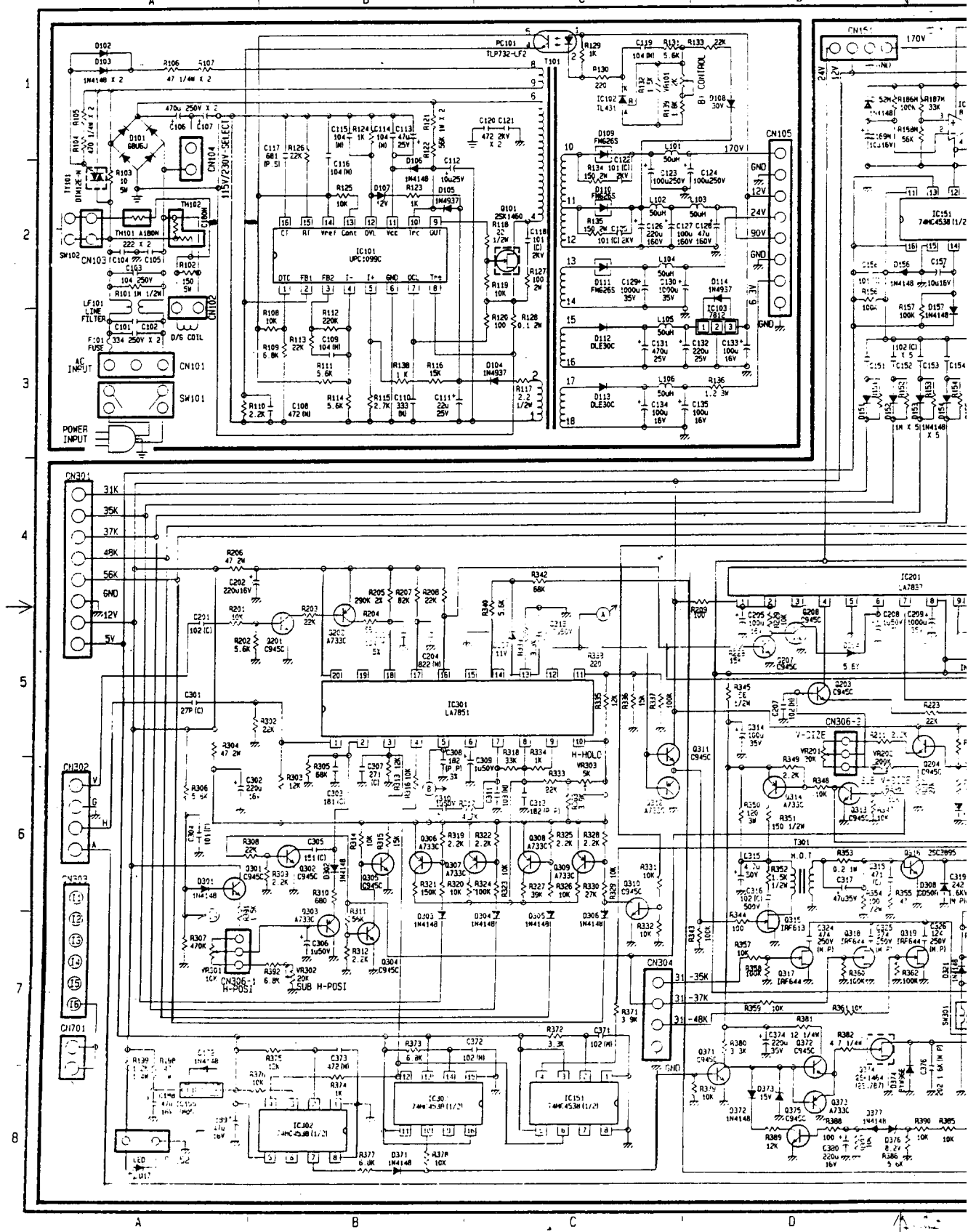
Description		Standard VGA			S-VGA	8514A	VGA2	Super VGA2		Extended VGA	
H	KHz	31.50	31.50	31.50	35.16	35.52	37.897	37.897	48.077	48.300	56.476
	A us	31.77	31.77	31.77	28.44	28.15	26.413	26.40	20.80	20.68	17.707
	B us	3.77	3.77	3.77	2.00	3.92	1.27	3.20	2.40	2.23	1.813
	C us	1.89	1.89	1.89	3.56	1.25	4.063	2.20	1.28	1.44	1.920
	D us	25.17	25.17	25.17	22.22	22.80	20.317	20.00	16.00	15.99	13.658
	E us	0.94	0.94	0.94	0.67	0.18	0.762	1.00	1.12	1.02	0.320
	DOT	640	640	640	800	1024	640	800	800	1024	1024
	POL.	POS.	NEG.	NEG.	+/-	POS.	NEG.	POS.	POS.	NEG.	NEG.
	Hz	70.0	70.0	60.0	56.0	87.0	72.809	60.316	72.187	60.0	70.069
	A ms	14.27	14.27	16.68	17.78	11.50	13.735	16.579	13.853	16.667	14.272
	B ms	0.06	0.06	0.06	0.06	0.113	0.079	0.106	0.125	0.124	0.106
	C ms	1.88	1.08	1.02	0.60	0.563	0.740	0.607	0.478	0.60	0.513
	D ms	11.13	12.72	15.25	17.07	10.81	12.678	15.84	12.480	15.880	13.599
	E ms	1.20	0.41	0.35	0.03	0.014	0.238	0.026	0.77	0.062	0.053
	LINE	350	400	480	600	768	480	600	600	768	768
	POL	NEG.	POS.	NEG.	+/-	POS.	NEG.	POS.	POS.	NEG.	NEG.
VIDEO	C.F	28.33	28.33	25.18	36.00	44.90	31.50	40.00	50.00	65.00	75.00
(MHz)	TYPE	ANALOG									

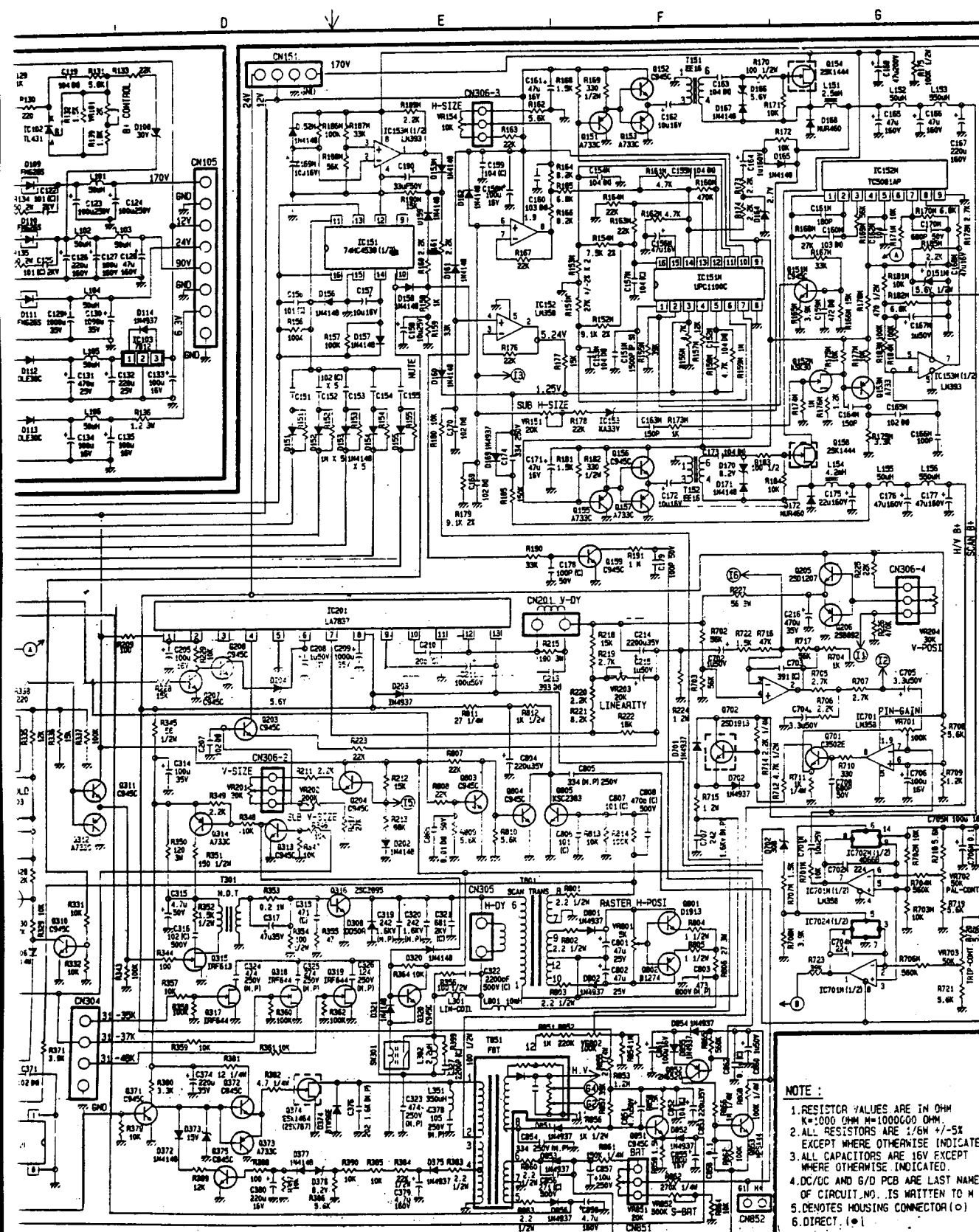
[2] Display zone



[3] Block diagram







NOTE :

- 1.RESISTOR VALUES ARE IN OHM
K=1000 OHM M=1000000 OHM-
- 2.ALL RESISTORS ARE 1/8W +/-5%
EXCEPT WHERE OTHERWISE INDICATED
- 3.ALL CAPACITORS ARE 16V EXCEPT
WHERE OTHERWISE INDICATED.
- 4.DC/DC AND G/D PCB ARE LAST NAME
OF CIRCUIT NO. IS WRITTEN TO M
- 5.DENOTES HOUSING CONNECTOR (O)
- 6.DIRECT. (•)

REV	DATE	DESCRIPTION	REVISION
A	82-9	INITIAL RELEASE	

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SC-726V (MAIN, SMP, SOCKET)			
APPROVALS	DATE	NO.	P/S NAME
DRAWN Y. S. LUN		1	WILLIAMS
REVIEWED G. S. KING	2/29/60	2	SIMPSON
CHECKED G. S. KING	2/29/60	3	SOCKET
APPROVED C. H. KOO	2/29/60	4	WILLIAMS
		5	SIMPSON
REF.			REV. A
CHG. NO.			

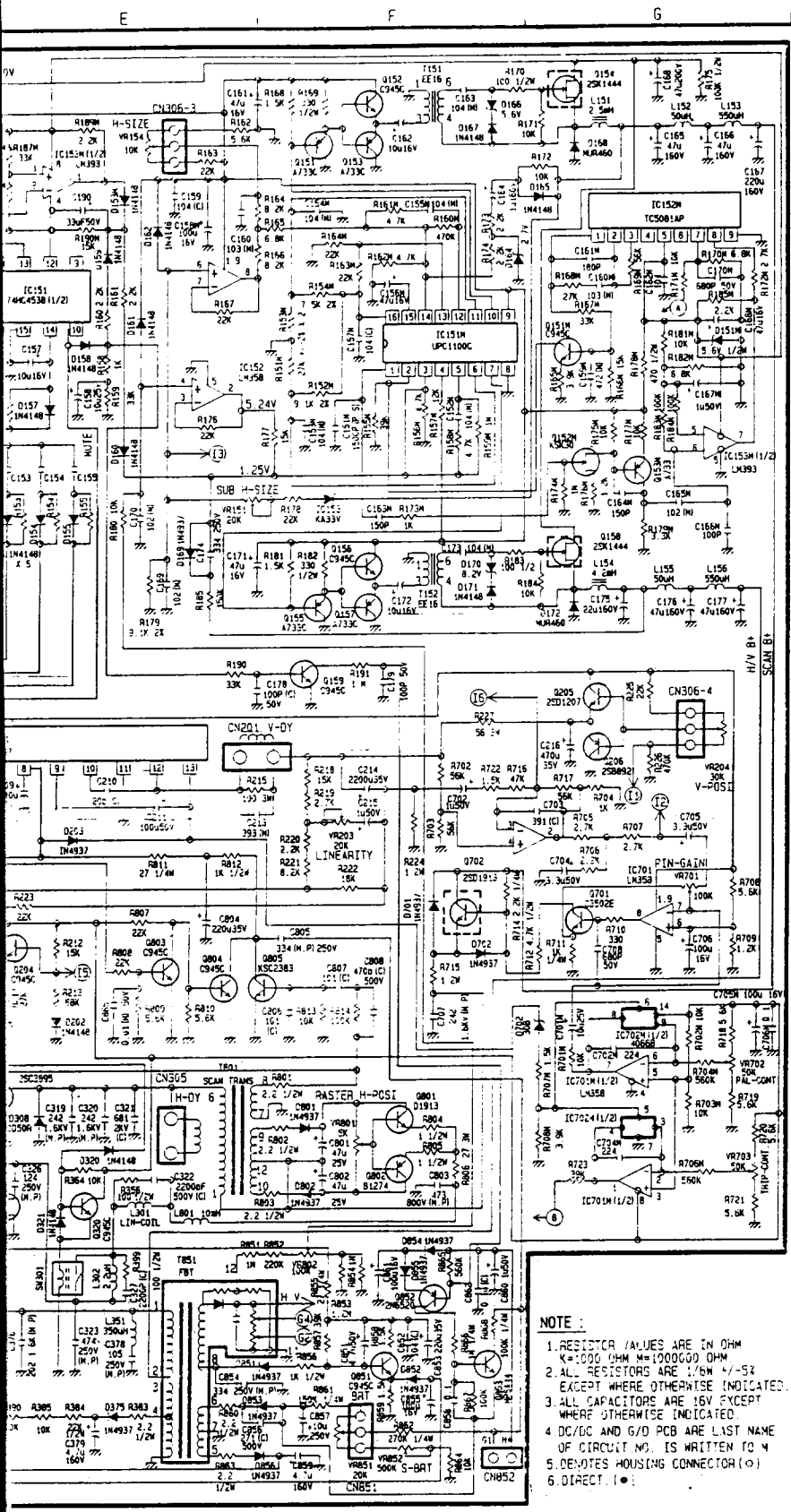
[1] Circuit diagram

REV	DATE	DESCRIPTION	DESIGNED	APPROVED
A	92 9	INITIAL RELEASE		

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SC-26V MAIN SWPS. SOCKET

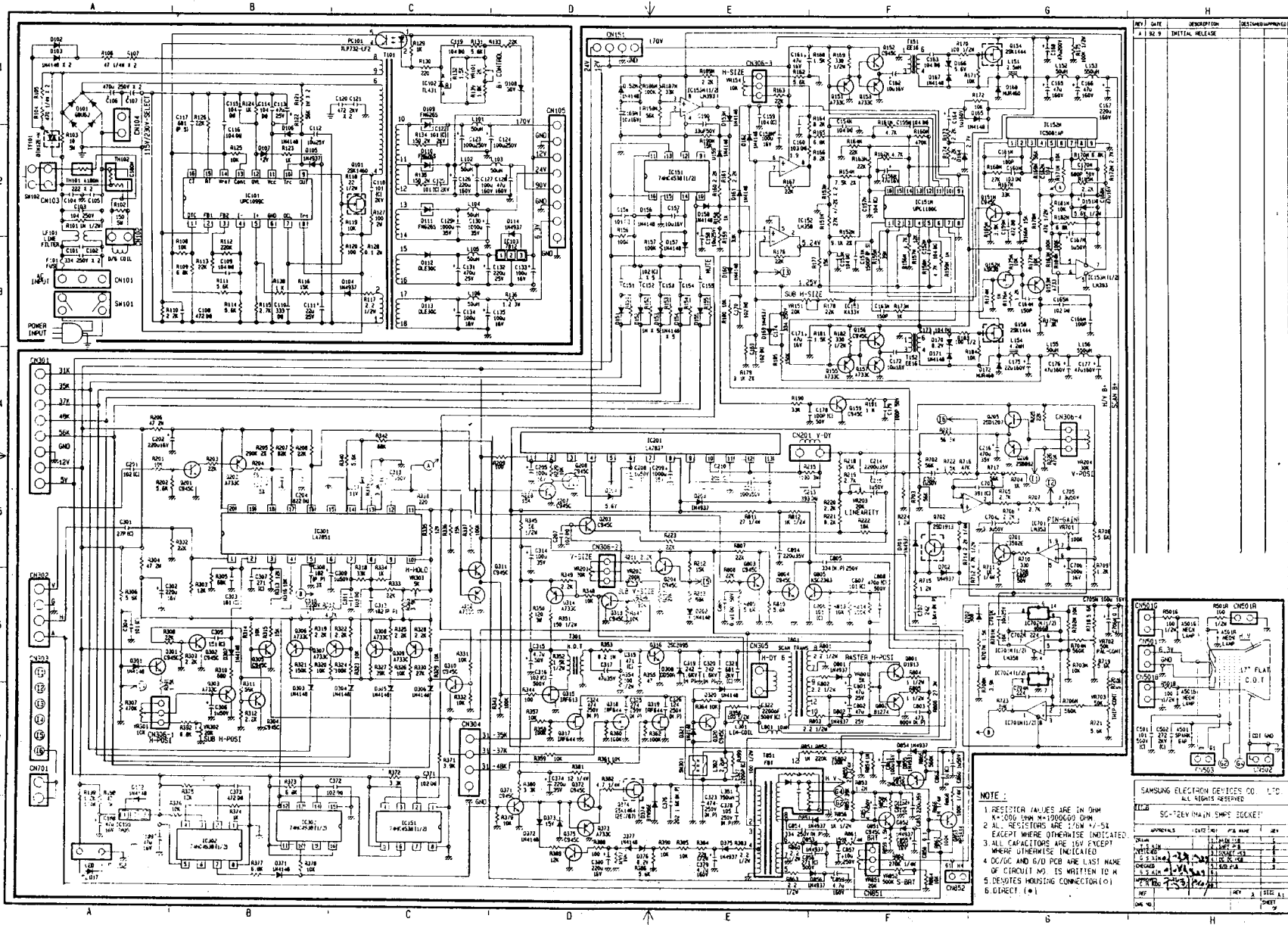
APPROVALS	DATE	DES. NAME	REV
DESIGNED		1. MAIN PCB	0
DESIGNED		2. SOCKET PCB	0
DESIGNED		3. SOCKET PCB	0
DESIGNED		4. SOCKET PCB	0
DESIGNED		5. SOCKET PCB	0
DESIGNED		6. SOCKET PCB	0
DESIGNED		7. SOCKET PCB	0
DESIGNED		8. SOCKET PCB	0
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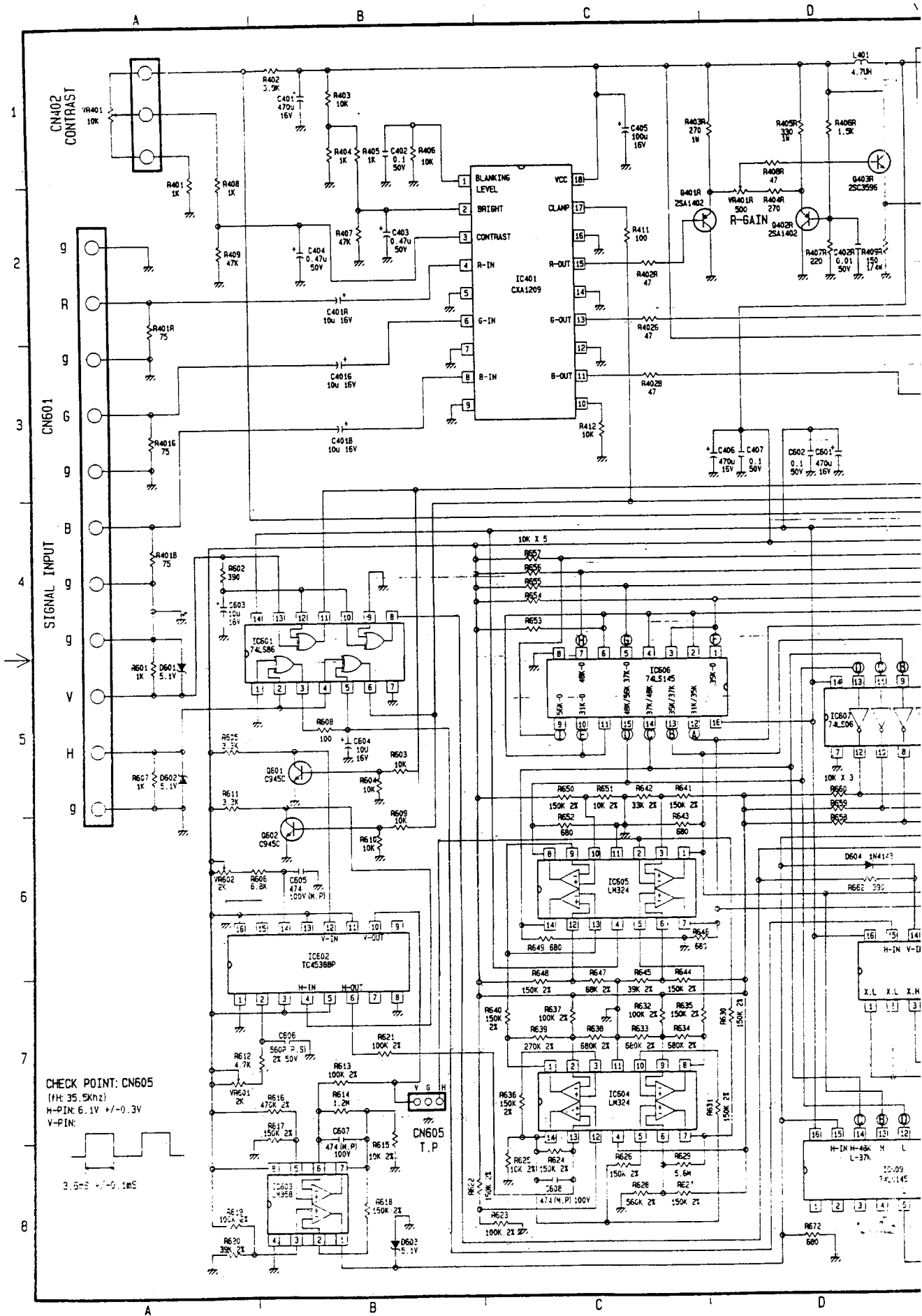


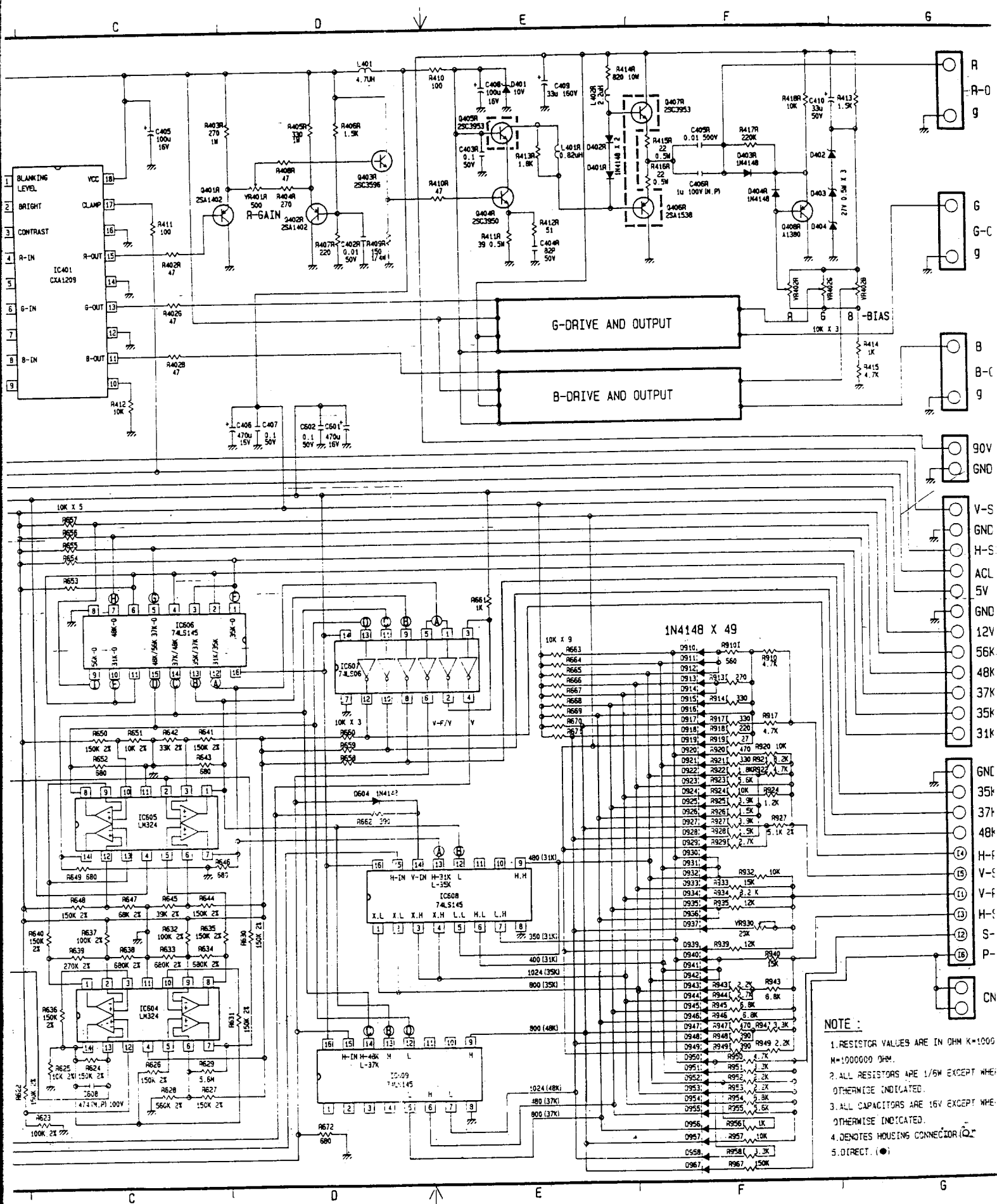
7. DRAWINGS

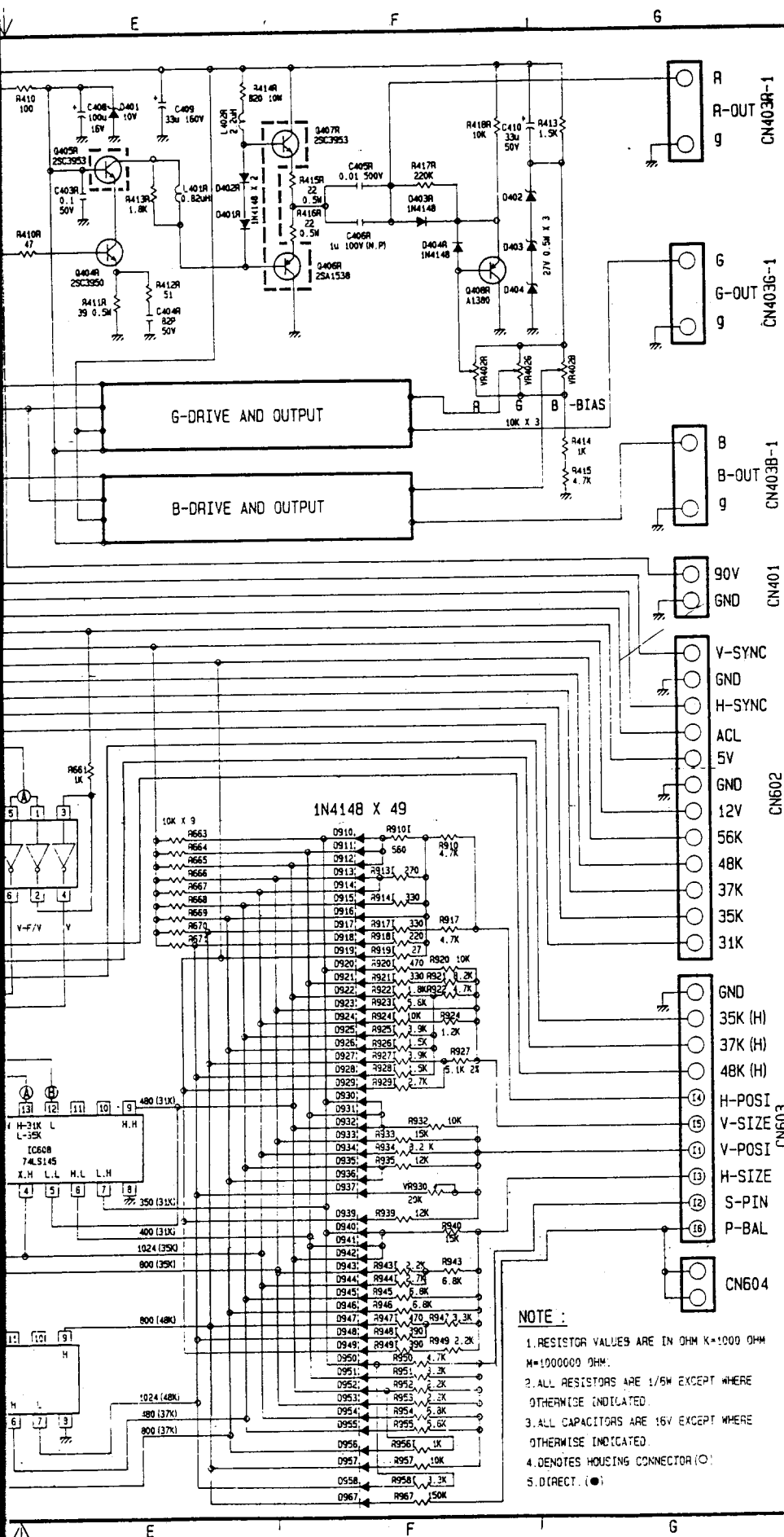
[1] Circuit diagram

a. MAIN, SMPS, SOCKET







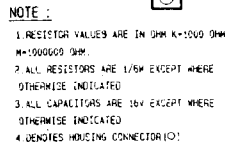


REV	DATE	DESCRIPTION	DESIGNED	APPROVED
A	92.3	INITIAL RELEASE		

INPUT	31K	35K	37K	48K	56K
A	H	L	L	L	L
B	L	L	H	H	H
C	L	L	L	H	H
D	L	L	L	L	H
OUTPUT	E	F	G	H	I

SAMSUNG ELECTRON DEVICES CO., LTD.				
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9C-725V (VIDEO & INTERFACE)				
APPROVALS	DATE	NO	PG#	REV
DRAWN Y. S. KIM			1. VIDEO & INTERFACE PCB	C
DESIGNED Y. S. KIM				
CHECKED S. S. KIM				
APPROVED C. H. KOO				
REF			REV.	A
CWG NO			SIZE	A1
			SHEET	OF

b. VIDEO INTERFACE



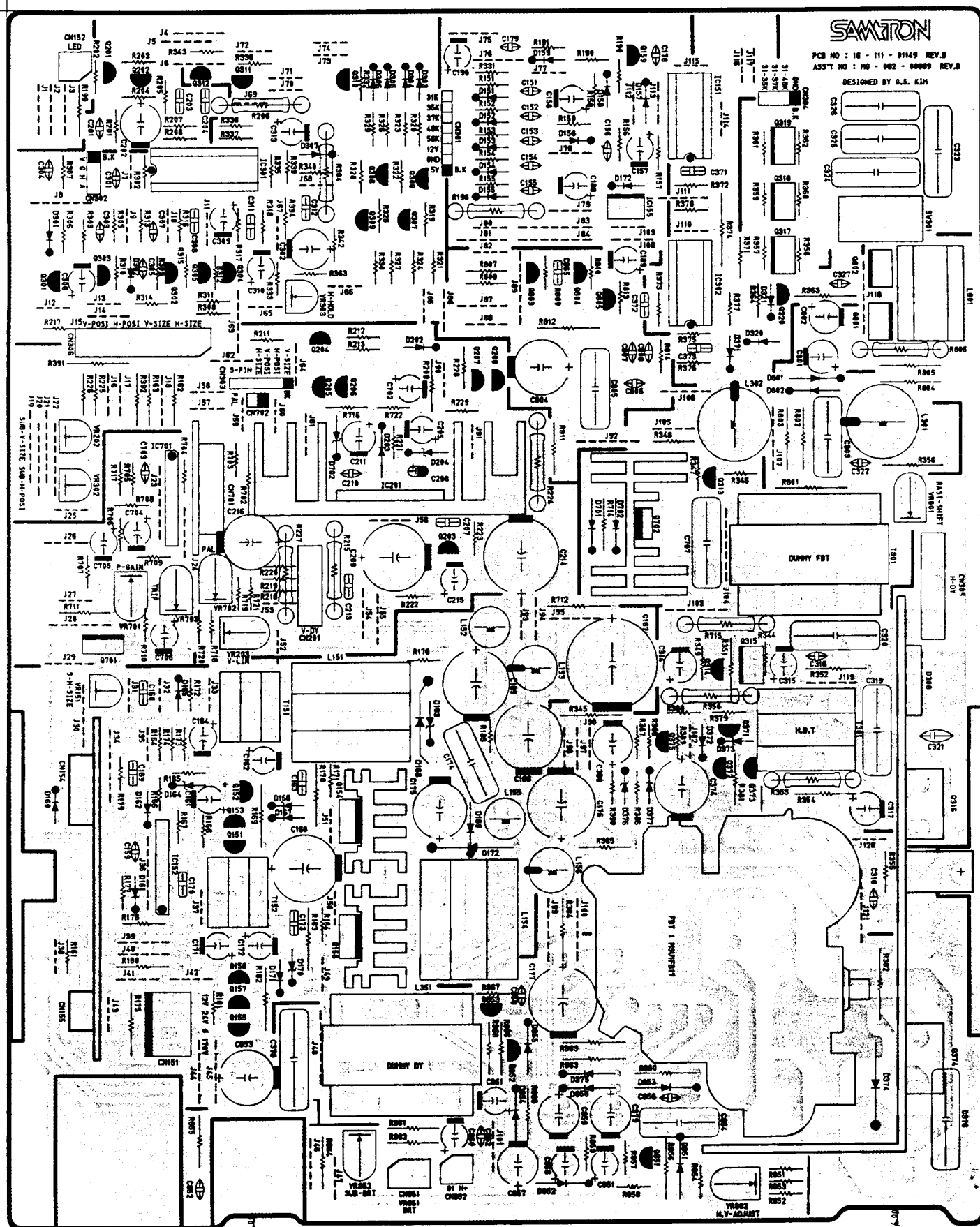
INPUT	31K	35K	37K	48K	56K
A	H	L	L	L	L
B	L	L	H	H	H
C	L	L	L	H	H
D	L	L	L	L	H
OUTPUT	E	F	G	H	I

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90-7267 UNCLAS & INTERFACED				
APPROX. DATE	DATE	FILE NO.	FILE NAME	REF
ORIGIN			VIDEO & INTERFACED FILE	
Y 3 514				
DESTROYED				
2 3 514				
CHECKED				
2 3 514				
APPROVED				
C 4 514				
REF				
DATE				
DATE				

[2] PCB artwork drawings

2-1. Main PCB front marking and pattern



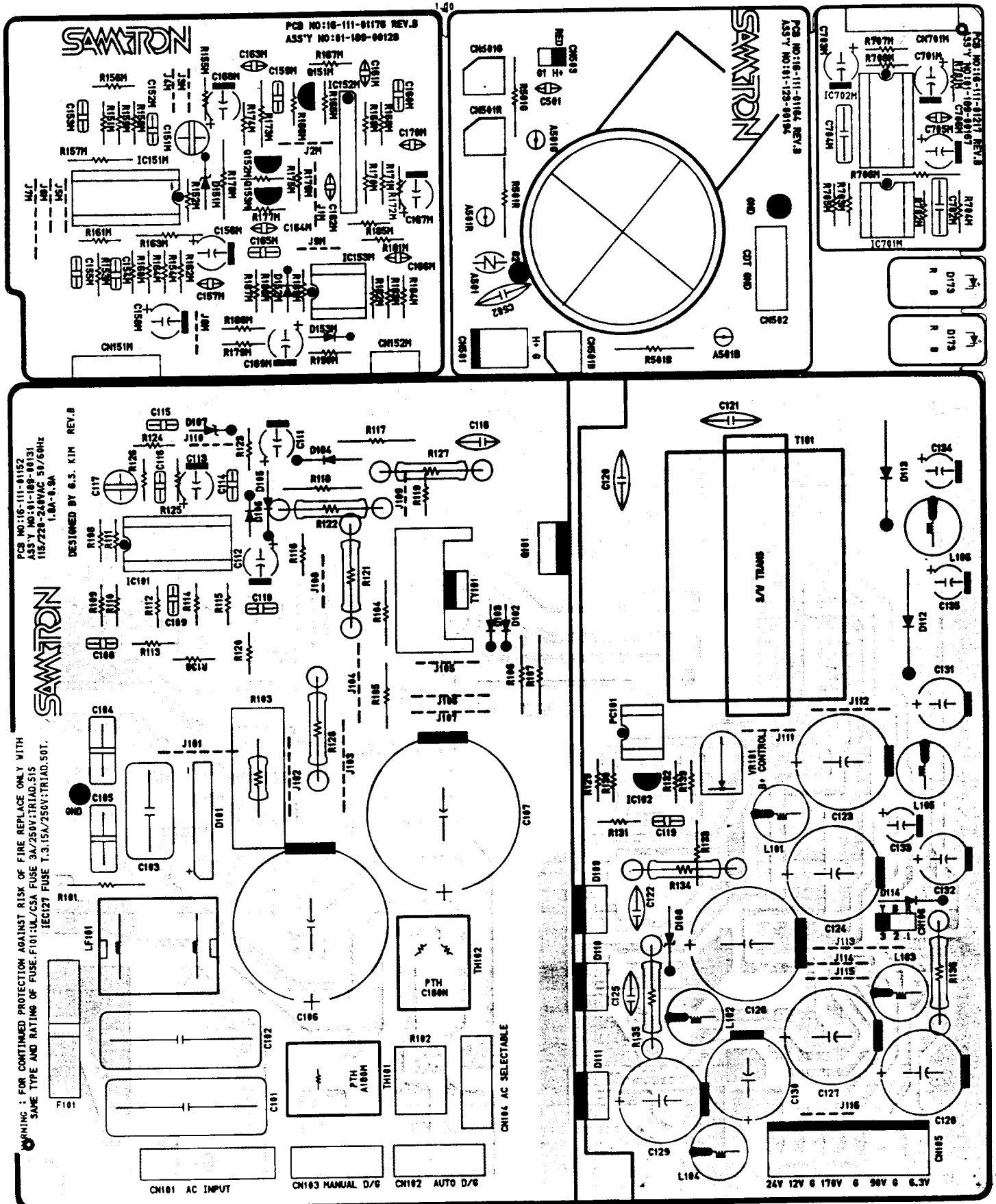


TABLE OF CONTENTS

SC-726V

NO.	B. O. M.	ORIGINAL	REMARK
1-1	M6-062-03143	32EA	115V
1-2	M6-062-03211	29EA	230V
2-1	02-121-01018	8EA	ASS'Y, STAND
2-2	02-121-01021	6EA	ASS'Y BOTTOM BASE
2-3	02-121-01033	6EA	ASS'Y, REAR
3	MJ-062-02437	67EA	
4	01-141-00298	5EA	SUB ASS'Y, PUSH S/W
5	01-151-00514	17EA	SUB ASS'Y, VOLUME
6	01-174-00128	17EA	SUB ASS'Y, BACK CHASSIS
7	01-183-00208	3EA	SUB ASS'Y, LED
8-1	01-189-00131	64EA	SUB ASS'Y, MISC PCB
8-2	01-161-01244	3EA	SUB ASS'Y, HEAT SINK
8-3	01-161-01256	13EA	SUB ASS'Y HEAT SINK
8-4	MA-062-01045	59EA	A/S ASS'Y
9-1	MG-062-01416	65EA	VIDEO
9-2	01-161-01229	3EA	SUB ASS'Y, HEAT SINK
9-3	01-161-01232	5EA	
9-4	MA-062-01057	99EA	A/S ASS'Y, VIDEO
10-1	MG-062-00669	104EA	MAIN
10-2	MA-123-00194	16EA	SUB ASS'Y, CPT SOCKET
10-3	MA-062-00969	5EA	A/S ASS'Y, SOCKET
10-4	01-161-01188	8EA	SYB ASS'Y, HEAT SINK
10-5	01-161-01191	3EA	SYB ASS'Y, HEAT SINK
10-6	01-161-01205	3EA	SYB ASS'Y, HEAT SINK
10-7	01-161-01217	3EA	SYB ASS'Y, HEAT SINK
10-8	01-189-00128	7EA	SUB ASS'Y, MISC PCB
10-9	MA-062-01069	65EA	A/S ASS'Y, DC/DC CONUERTOR
10-10	01-189-00167	6EA	SUB ASSY, MISC PCB
10-11	MA-062-01072	13EA	A/S ASS'Y, G/D
10-12	MA-062-01033	375EA	A/S ASS'Y, MAIM

ASS'Y NO.		M6-062-03143			MODEL NO.	SC-726V
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	MJ-062-02437	COLOR SET CHASSIS ASS'Y	DUAL,ANALG,O.26"	PCS	1.000	
2	02-121-01018	ASS'Y,STAND,SC-726V	OEM-3357	PCS	1.000	
3	02-121-01021	ASS'Y,BOTTOM BASE,SC-726V	OEM-3357	PCS	1.000	
4	02-121-01033	ASS'Y,REAT,SC-726V	OEM-3357	PCS	1.000	
5	02-141-01295	ASS'Y,MANUAL,USER'S,SC-726V	SDI,115V	PCS	1.000	
6	31-129-00422	SHIELD COVER,TOP,SC-726V	312*239*0.5,EGI	PCS	1.000	
7	31-211-02042	MET-I,PRS,BACK COVER,SC-726V	225*312*1.0,EGI	PCS	1.000	
8	33-168-00012	MS+,BND,W/T.L.W,ZPW	M4*6,SWRCH1018AK	PCS	8.000	
9	33-191-00051	MS,SPL,PCN,W/P.W,ZPW	M4*12,SWRCH1018AK	PCS	6.000	
10	33-485-00012	TS+,OVAL,2,ZPW	M3*12,SWRCH1018AK	PCS	2.000	
11	34-111-02782	BOX,SC-726V	SED	PCS	1.000	
12	34-211-00458	S/FOAM,SC-726V,L,R	542*526*150,EPS	PCS	1.000	
13	34-311-00419	VINYL BAG,SIGNAL CABLE	400*100,HDPE 0.015T	PCS	1.000	
14	34-311-00473	VINYL BAG,SET	800*880,HDPE 0.02T	PCS	1.000	
15	35-111-07559	LABEL,PRODUCT,115V/230V,SAMTRON	SC-726V	PCS	1.000	
16	35-111-08015	LABEL,BOX,SC-4**,DOUBLE BACKING	120*95,ART PAPER	PCS	1.000	
17	35-111-08093	LABEL,BOLTAGE,SC-726V	18*8,110V	PCS	1.000	
18	35-211-00274	LOGO,SAMTRON	46.6*13.5*0.25T,PC,OEM-3357	PCS	1.000	
19	36-521-00104	CORD,POWER,NORMAL,DETACH	SVT,125V/10A,IVORY,6FT,SHEILD	PCS	1.000	

ASS'Y NO.		M6-062-03211			MODEL NO.	SC-726V
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	MJ-062-02437	COLOR SET CHASSIS ASS'Y	CUAL,ANALG,O.26"	PCS	1.000	
2	02-121-01018	ASS'Y,STAND,SC-726V	OEM-3357	PCS	1.000	
3	02-121-01021	ASS'Y,BOTTOM BASE,SC-726V	OEM-3357	PCS	1.000	
4	02-121-01033	ASS'Y,REAR,SC-726V	OEM-3357	PCS	1.000	
5	31-129-00422	SHIED COVER,TOP,SC-726V	312*239*0.5,EGI	PCS	1.000	
6	31-211-02042	MET-I,PRS,BACK COVER,SC-726V	225*312*1.0,EGI	PCS	1.000	
7	33-168-00012	MS+,BND,W/T.L.W.ZPW	M4*6,SWRCH1018AK	PCS	8.000	
8	33-191-00051	MS,SPL,PCN,W/P.W.ZPW	M4*12,SWRCH1018AK	PCS	6.000	
9	33-485-00012	TS+,OVAL,2,ZPW	M3*12,SWRCH1018AK	PCS	2.000	
10	34-111-02782	BOX,SC-726V	SED	PCS	1.000	
11	34-211-00458	S/FOAM,SC-726V,L,R	542*526*150,EPS	PCS	1.000	
12	34-311-00419	VINYL BAG,SIGNAL CABLE	400*100,HDPE 0.015T	PCS	1.000	
13	34-311-00473	VINYL BAG,SET	800*880,HDPE 0.02T	PCS	1.000	
14	35-111-05560	LABEL,BOX	PRODUCT 1D SHEET,230V	PCS	1.000	
15	35-111-07559	LABEL,PRODUCT,115V/230V,SAMTRON	SC-726V	PCS	1.000	
16	35-211-00274	LOGO,SAMTRON	46.6*13.5*0.25T,PC,OEM-3357	PCS	1.000	
17	35-311-02674	MANUAL,USER'S,SC-726V	SED,115V/230V	PCS	1.000	
18	36-521-00048	CORD,POWER,NORMAL,DETACH	H05VV-F,250V,BK,6FT	PCS	1.000	

ASS'Y NO.		02-121-01018			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	32-611-03131	PLA,BOLT SPINDLE,SC-726V	D39.6*43,ABS,OEM-3357	PCS	1.000	
2	32-611-03167	PLA,STAND,SC-726V	D259*41.3,PC/ABS,OEM3357	PCS	1.000	
3	32-119-00087	RUBBER FOOT,HEAD START,SC-431VII	D20.4*6.9,GRAY	PCS	6.000	

ASS'Y NO.		02-121-01021			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	GKT NO.
1	32-111-02401	PLA,EXT-H,BOTTOM BASE,SC-726V	369.3*325*82.6,PC/ABS,OEM-3357	PCS	1.000	
2	32-611-03051	PLA,SPINDLE CAP,SC-726V	143*48*12.4,ABS,OEM-3357	PCS	1.000	
3	32-611-03116	PLA,NUT SPINDLE,SC-726V	60*44*18.2,AB,OEM-3357	PCS	1.000	
4	39-119-00087	RUBBER FOOT,HEAD START,SC-431VII	D20.4*6.9,GRAY	PCS	3.000	

ASS'Y NO.		02-121-01033			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	32-111-02437	PLA,EXT-H,REAR,SC-726V	408*328*389.9,ABS,OEM-3357	PCS	1.000	
2	32-611-03036	PLA,BOSS BRKT,SC-726V	D20.6*10,ABS,OEM-3357	PCS	4.000	
3	32-611-03223	PLA,GATE CAP,SC-726V	OEM-3357	PCS	1.000	

ASS'Y NO.		MJ-062-02437			MODEL NO.		SC-726V
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.	
1	MG-062-00669	PCB ASS'Y	DUAL,ANALG,MAIN	PCS	1.000		
2	MG-062-01416	PCB ASS'Y	DUAL,ANALG,VIDEO	PCS	1.000		
3	01-141-00298	SUB ASS'Y,PUSH S/W	SC-726V,POWER,2P,500MM	PCS	1.000		
4	01-151-00514	SUB ASS'Y,VOLUME	SC-726V,10K*3/20K/30K*2	PCS	1.000		
5	01-174-00128	SUB ASS'Y,BACK CHASSIS	SC-726V,AC SOCKET,POWER/SELECT SW	PCS	1.000		
6	01-183-00208	SUB ASS'Y,LED	XD-726V	PCS	1.000		
7	01-189-00131	SUB ASS'Y,MISC PCB	SC-726V,SMPS,CHASSIS	PCS	1.000		
8	01-211-90497	SUB ASS'Y,CDT	M41KJF26**06,0.26P,17",HF	PCS	1.000		
9	02-111-00514	SUB ASS'Y,CDT FRAME	SC-726V	PCS	1.000		
10	17-224-00143	COIL,DEGAUSSING	80 +/- 1T,0.6D,8.8OHM,1760MM	PCS	1.000		
11	31-211-01972	MET-I,PRS,BOTTOM,SC-726V	189**241*1.0,EGI	PCS	1.000		
12	32-111-02413	PLA,EXT-H,FRONT,SC-726V	408*350.6*47.1,ABS,OEM-3357	PCS	1.000		
13	32-311-00012	CABLE TIE	L101.6*W25*T1	PCS	11.000		
14	32-611-03182	PLA,DEGAUSS S/W CAP,SC-726V	7.5*21.1*13,ABS,OEM-22596	PCS	1.000		
15	32-611-03235	PLA,S/W CAP,SC-726V	23.4*9,ABS,OEM-22596	PCS	1.000		
16	33-162-00012	MS+,BND,ZPW	M3*6,SWRCH1018AK	PCS	2.000		
17	33-168-00012	MS+BND,W/T.L.W,ZPW	M4*6,SWRCH1018AK	PCS	13.000		
18	33-425-00012	TS+,BND,W/P.W.B,ZPW	M3*8,SWRCH1018AK	PCS	2.000		
19	33-612-00048	PS+,PAN,ZPW	M3.5*8,SWRCH1018AK	PCS	5.000		
20	33-612-00259	PS+,PAN,ZPW	M4.5*14,SWRCH1018AK	PCS	7.000		

ASS'Y NO.		MJ-062-02437			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
21	33-712-00128	WHR,PLN,ZPW	D17.5*1.6,SPCC	PCS	4.000	
22	33-892-00024	NUT,HEX,W/F	M8.0	PCS	4.000	
23	36-415-00342	WIRE,CONN/HOUSING	500/320.180,8P,W,3.96,1015 #22	PCS	1.000	
24	36-437-00048	BRAID WIRE,FING TER	D5,D5,80MM	PCS	2.000	
25	36-437-00315	BRAID WIRE,TER/CONN	820MM,265MM,2P,BK,BK	PCS	1.000	
26	36-541-00458	CABLE,SIGNAL,NON-DET	15P,1730MM,SC-726V	PCS	1.000	

ASS'Y NO.		01-141-00298			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	19-131-90116	PUSH SWITCH	SPST,5A/80A,250VAC,2P	PCS	1.000	
2	31-211-01984	MET-I,PRS,DEGAUSS S/W BRKT,SC-726V	50*16*1.0,EGI	PCS	1.000	
3	33-162-00012	MS+,BND,ZPW	M3*6,SWRCH1018AK	PCS	2.000	
4	36-415-00315	WIRE,CONN/HOUSING	500MM,2P,GY,10,R,R,UL1672 #22	PCS	1.000	
5	39-422-00024	TUBE-SHRINK,WHT	D4,POLY-OLEFIN	M		

ASS'Y NO.		01-151-00514			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	15-441-00116	VAR,HANDLE,WIRE-SOLDER,H-TYPE	10K OHM,B,0.2W,20MM	PCS	2.000	VR301
2	15-441-00128	VAR,HANDLE,WIRE-SOLDER,H-TYPE	20K OHM,B,0.2W,20MM	PCS	1.000	
3	15-445-00012	VAR,HANDLE,WIRE-SOLDER,H-TYPE,CLIC	10K OHM,B,0.1W,20F	PCS	1.000	
4	15-445-00036	VAR,HANDLE,WIRE-SOLDER,H-TYPE,CLIC	30K OHM,B,0.1W,20F	PCS	2.000	
5	31-211-02146	MET-I,PRS,GND PLATE,SC-726V	186.5*18,TIN 0.3T	PCS	1.000	
6	32-611-02571	PLA,V/R KNOB,SC-4**VX/TX	D20*15,ABS,OEM-3357	PCS	6.000	
7	32-611-03099	PLA,V/R BRKT,SC-726V	200*24*11.9.ABS,OEM-3357	PCS	1.000	
8	36-413-00909	WIRE,CONN/HOUSING	240/220/200/180MM,12P,W,2.5,2546 # 26	PCS	1.000	
9	36-415-00327	WIRE,CONN/HOUSING	400MM,3P,W,2.5,O,Y,W,1007 #22,TWIST	PCS	2.000	
10	39-422-00024	TUBE-SHRINK,WHT	D4,POLY-OLEFIN	M	.300	

ASS'Y NO.		01-174-00128			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	17-314-00116	FILTER,EMI SOCKET	250V/3A,0.047UF(X),2200FP(Y),1.2MH,	PCS	1.000	
2	19-132-00063	ROCKER SWITCH	DPST,5A/80A,250VAC,N0-CAP,4P	PCS	1.000	
3	19-136-90104	SLIDE SWITCH	DPDT,5A/250VAC,6P	PCS	1.000	
4	31-211-01996	MET-I,PRS,BACK CHASSIS,SC-726V	67.4*246*1.0,SBHG1	PCS	1.000	
5	32-311-00012	CABLE TIE	L101.6*W25*T1	PCS	1.000	
6	33-162-00012	MS+,BND,ZPW	M3*6,SWRCH1018AK	PCS	2.000	
7	33-172-00012	MS+,C/S,ZPW	M3*8,SWRCH1018AK	PCS	2.000	
8	36-273-00087	WIREFORM,UL1672-AWG22	TCST,1ST,17*0.16,PVC,W,400MM	PCS	1.000	

ASS'Y NO.		01-174-00128			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
9	36-273-00099	WIREFORM,UL1672-AWG22	TCST,1ST,17*0.16,PVC,BK,400MM	PCS	1.000	
10	36-414-00366	WIRE,CONN/HOUSING	330MM,2P,GY,10,B,B,UL1672 # 22	PCS	1.000	
11	36-415-00303	WIRE,CONN/HOUSING	400MM,3P,GY,10/8,W,BK,UL1672 # 22	PCS	1.000	
12	36-431-00286	WIRE,RING TER,SINGLE	G/Y,D4.3,125MM	PCS	1.000	
13	36-437-00182	BRAID WIRE,RING TER	D4,240MM,TUBE	PCS	1.000	
14	39-422-00024	TUBE-SHRINK,WHT	D4,POLY-OLEFIN	M	2.000	

ASS'Y NO.		01-183-00208			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	16-111-01188	PCB,LED,SC-726V	10*19.5,FR-1,1.6T	PCS	1.000	
2	22-152-00048	LED GREEN	25MA,75MW,SLB-25MG3,RECT	PCS	1.000	D173
3	36-412-00684	WIRE,CONN/HOUSING	150MM,2P,W,2.5,R,BK,UL1007 # 22	PCS	1.000	CN106

ASS'Y NO.		01-189-00131			MODEL NO.		D1197A
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.	
1	MA-161-01045	A/S ASS'Y	FREE,ANALG,SMPS	PCS	1.000		
2	01-161-01244	SUB ASS'Y,HEAT SINK	DTN12E,SC-726V	PCS	1.000	TY101	
3	01-161-01256	SUB ASS'Y,HEAT SINK	2SK1460+FMG26S+MC7812,XD-726V	PCS	1.000	Q101	
4	02-111-00526	ASS'Y,POWER SHIELD	SC-726V	PCS	1.000		
5	11-119-0227B	CAP,AL-ELECT,GP	220UF,20%,160V,-40/85'C,RB, SMALL	PCS	1.000	C126	
6	11-122-01072	CAP,AL-ELECT,GP	100UF,20%,250V,-40/85'C,RB	PCS	2.000	C123 C124	
7	11-122-04773	CAP,AL-ELECT,GP	470UF,20%,250V,-25/85'C,RB	PCS	2.000	C106 C107	
8	12-246-01018	CAP,DISC CERAMIC,CK45	100PF,10%,2KV,-25/85'C,RB,HDC	PCS	3.000	C118 C122 C125	
9	12-287-04722	CAP,DISC CERAMIC,CK	4700PF,20%,400VAC,EPOXY,RB	PCS	2.000	C120 C121	
10	13-153-91045	CAP,METALZ-POLYESTER	0.1UF,10%,250VAC,RB	PCS	1.000	C103	
11	13-154-92226	CAP,METALZ-POLYESTER	2200PF,10%,250VAC,RB	PCS	2.000	C104 C105	
12	13-154-93342	CAP,METALZ-POLYESTER	0.33UF,10%,115/250VAC,RB	PCS	2.000	C101 C102	
13	13-231-06817	CAP,PS	680PF,5%,50V,RB	PCS	1.000	C117	
14	14-342-01018	RES,METAL OXIDE,AB	100 OHM,2W,5%,FORMING	PCS	1.000	R127	
15	14-342-01511	RES,METAL OXIDE,AB	150 OHM,2W,5%,FORMING	PCS	2.000	R134 R135	
16	14-342-05636	RES,METAL OXIDE,AB	56K OHM,2W,5%,	PCS	2.000	R121 R122	
17	14-352-01825	RES,METAL OXIDE,AB	1.2 OHM,3W,5%,FORMING	PCS	1.000	R136	
18	14-611-05101	RES,WIRE WOUND,AB	0.1 OHM,2W,5%	PCS	1.000	R128	
19	14-732-01006	RES,CEMENT,RB	10 OHM,5W,5%,RQB TYPE	PCS	1.000	R103	
20	14-734-01511	RES,CEMENT,RB	150 OHM,5W,5%,RQB TYPE	PCS	1.000	R102	
21	15-115-00036	VAR,NO-HANDLE,NO-CAP,V-TYPE	2K OHM,B,0.2W	PCS	1.000	VR101	
22	15-621-90036	THERMISTOR,PTC	18 OHM,30%,220V,PTH451C262BG180N270	PCS	1.000	TH102	
23	15-621-90075	THERMISTOR,PTC	18 OHM,30%,220V,2P	PCS	1.000	TH101	
24	17-116-00303	TRANS,POWER,SWITCHING	SC-726115/230V	PCS	1.000	T101	
25	17-222-00067	COIL,CHOKE	50UH + -15%,SC-431EII/VII	PCS	6.000	L101 L102 L103 L104 L105 L106	

ASS'Y NO.		01-189-00131			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
26	17-311-00298	FILTER,LINE	20MH,SC-726V	PCS	1.000	LF101
27	19-103-00063	FUSE TIMELAG WITHOUT LEAD	3A,250V,5.20*51S	PCS	1.000	
28	22-111-90393	RECTIFIER DIODE FR	1.5A,200V,35NS	PCS	2.000	D112 D113
29	22-113-90075	RECTIFIER DIODE BR	6A,600V	PCS	1.000	D101
30	23-301-90051	IC,OPTOCOUPLER,DIP	TLP 732	PCS	1.000	PC101
31	23-321-90274	IC,LINEAR,DIP-16	S/W REGULATOR CONTROL,UPC1099CX	PCS	1.000	IC101
32	31-211-02027	MET-I,PRS,SIDE PLATE-R,SC-726V	322*310*1.0,EGI	PCS	1.000	
33	33-191-00051	MS,SPL,PCN,W/P.W,ZPW	M4*12,SWRCH1018AK	PCS	2.000	
34	33-425-00012	TS+,BND,PCN,W/P.W,B,ZPW	M3*8,SWRCH1018AK	PCS	8.000	
35	36-412-00696	WIRE,CONN/HOUSING	160MM,3P,W,2.5,Y,BK,R,UL1007 #22	PCS	1.000	CN106
36	36-431-00407	WIRE,RING TER,SINGLE	G/Y,D5,145MM,1015 #18,CONTER	PCS	1.000	GND
37	36-613-00208	CONNECTOR,OPEN HEADER	10,ST,2P,BW-502L		3.000	CN102 CN103 CN104
38	36-613-00211	CONNECTOR,OPEN HEADER	10,ST,3P,BW-503L		1.000	CN101
39	36-614-00063	CONNECTOR,LOCK HEADER	3.96 ST 8P 5273-08A		1.000	CN105

ASS'Y NO.		01-161-01244			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	22-192-90024	TRIAC	12A RMS,400V,DTN12E	PCS	1.000	
2	31-114-00618	HEAT SINK-N	30*15*23.5,A6063S	PCS	1.000	
3	33-142-00012	MS+,PAN,W/P.W,ZPW	M3*8,SWRCH1018AK	PCS	1.000	

ASS'Y NO.		01-161-01256			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	21-131-90155	FET N.CHANNEL	2SK1460,3.5A,900V,SW,TO-220	PCS	1.000	Q101
2	22-111-90407	RECTIFIER DIODE FR	6A,600V,100NS,3PIN	PCS	3.000	
3	23-312-00048	IC,REGULATOR,TO-220	7812C,1.5A,12V	PCS	1.000	IC103
4	31-114-00541	HEAT SINK-N,POWER/A,SC-726V	63.5*160*2.0,A1050P	PCS	1.000	
5	31-211-02081	MET-I,PRS,TR BRKT,SC-726V	10*32*8,EGI 1.6T	PCS	1.000	
6	33-142-00012	MS+,PAN,W/P.W,ZPW	M3*8,SWRCH1018AK	PCS	5.000	
7	39-119-00131	RUBBER,SILICON	D11*25*0.8,BLUE	PCS	1.000	

ASS'Y NO.		MA-062-01045			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	11-193-01076	CAP,AL-ELECT,GP	100UF,20%,16V,-40/85'C,RT,SMALL	PCS	3.000	C133 C134 C135
2	11-193-01065	CAP,AL-ELECT,GP	10UF,20%,25V,-40/85'C,RT,SMALL	PCS	1.000	C112
3	11-193-02265	CAP,AL-ELECT,GP	22UF,20%,25V,-40/85'C,RT,SMALL	PCS	1.000	C111
4	11-193-02277	CAP,AL-ELECT,GP	220UF,20%,25V,-40/85'C,RT	PCS	1.000	C132
5	11-193-04765	CAP,AL-ELECT,GP	47UF,20%,25V,-40/85'C,RT,SMALL	PCS	1.000	C113

ASS'Y NO.		MA-062-01045			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
6	11-193-04773	CAP,AL-ELECT,GP	470UF,20%,25V-40/85'C,RT	PCS	1.000	C131
7	11-194-01084	CAP,AL-ELECT,GP	1000UF,20%,35V-40/85'C,RT	PCS	2.000	C129 C130
8	11-197-01072	CAP,AL-ELECT,GP	100UF,20%,160V-40/85'C,RT	PCS	1.000	C127
9	11-197-04761	CAP,AL-ELECT,GP	47UF,20%,160V,-40/85'C,RT	PCS	1.000	C128
10	13-126-01045	CAP,IND-POLYESTER	0.1UF,10%,100V,RT,CQ92MT	PCS	5.000	C109 C114 C115 C116 C119
11	13-126-03339	CAP,IND-POLYESTER	0.033UF,10%,100V,RT,CQ92MT	PCS	1.000	C110
12	13-126-04722	CAP,IND-POLYESTER	0.0047UF,10%,100V,RT	PCS	1.000	C108
13	14-121-01018	RES,CARBON,AT	100 OHM,1/6W,5%	PCS	1.000	R120
14	14-121-01021	RES,CARBON,AT	1K OHM,1/6W,5%	PCS	4.000	R123 R124 R129 R138
15	14-121-01033	RES,CARBON,AT	10K OHM,1/6W,5%	PCS	3.000	R108 R119 R125
16	14-121-01523	RES,CARBON,AT	1.5K OHM,1/6W,5%	PCS	1.000	R132
17	14-121-01535	RES,CARBON,AT	15K OHM,1/6W,5%	PCS	1.000	R116
18	14-121-01826	RES,CARBON,AT	1.8K OHM,1/6W,5%	PCS	1.000	R139
19	14-121-02214	RES,CARBON,AT	220 OHM,1/6W,5%	PCS	1.000	R130
20	14-121-02226	RES,CARBON,AT	2.2K OHM,1/6W,5%	PCS	1.000	R110
21	14-121-02238	RES,CARBON,AT	22K OHM,1/6W,5%	PCS	3.000	R113 R126 R133
22	14-121-02241	RES,CARBON,AT	220K OHM,1/6W,5%	PCS	1.000	R112
23	14-121-02728	RES,CARBON,AT	2.7K OHM,1/6W,5%	PCS	1.000	R115
24	14-121-05624	RES,CARBON,AT	5.6K OHM,1/6W,5%	PCS	3.000	R111 R114 R131
25	14-121-06829	RES,CARBON,AT	6.8K OHM,1/6W,5%	PCS	1.000	R109
26	14-134-04707	RES,CARBON,AT	47 OHM,1/4W,5%	PCS	2.000	R106 R107
27	14-134-04719	RES,CARBON,AT	470 OHM,1/4W,5%	PCS	2.000	R104 R105
28	14-142-01057	RES,CARBON,AT	1M OHM,1/2W,5%	PCS	1.000	R101
29	14-142-02R22	RES,CARBON,AT	2.2 OHM,1/2W,5%	PCS	1.000	R117
30	14-142-02202	RES,CARBON,AT	22 OHM,1/2W,5%	PCS	1.000	R118
31	16-111-01152	PCB,SMPS,SC-726V	190*160,FR-1,1.6T	PCS	1.000	
32	19-113-90087	FUSE CLIP,TAPPING TYPE	250V,7.5A,D5.2*2.8	PCS	2.000	F101
33	22-111-90087	RECTIFIER DIODE FR	1A,600V,1N4937	PCS	3.000	D104 D105 D114
34	22-121-00116	ZENER DIODE	0.5W,12V,UZ12B	PCS	1.000	D107
35	22-121-00434	ZENER DIODE	0.5W,30V	PCS	1.000	D108
36	22-132-00048	SWITCHING DIODE	100MA,75V,1N4148	PCS	3.000	D102 D103 D106
37	23-313-00012	IC,REGULATOR,TO-92	431C,PROGRAMMABLE PRECISION	PCS	1.000	IC102
38	36-181-00012	WIRE,BARE	CU+SN+PB,1ST,1X0.6,SAD	KG	.028	J110 J111 J112 J113 J114 J115 J116

ASS'Y NO.		MG-062-01416			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	MA-062-01057	A/S ASS'Y	FREE,ANALG,VIDEO	PCS	1.000	
2	01-161-01229	SUB ASS'Y,HEAT SINK	2SC3953E/D,SC-726V	PCS	3.000	Q405R Q405G Q405B
3	01-161-01232	SUB ASS'Y,HEAT SINK	2SA1538E + 2SC3953E/D,SC-726V	PCS	3.000	Q406R Q406G Q406B
4	13-152-04746	CAP,METALZ-POLYESTER	0.47 UF,10%,100V,RB	PCS	3.000	C607 C608 C605
5	13-231-05612	CAP,PS	560PF,5%,50V,RB	PCS	1.000	C606
6	14-336-02716	RES,METAL OXIDE,MINI,AT	270 OHM,1W,5%	PCS	3.000	R403R R403G R403B
7	14-751-08214	RES,CEMENT,RB	820 OHM,10W,5%	PCS	3.000	R414R R414G R414B
8	15-115-00012	VAR,NO-HANDLE,NO-CAP,V-TYPE	500 OHM,B,0.2W	PCS	3.000	VR401R VR401G VR401B
9	15-115-00036	VAR,NO-HANDLE,NO-CAP,V-TYPE	2K OHM,B,0.2W	PCS	2.000	VR601 VR602
10	15-115-00048	VAR,NO-HANDLE,NO-CAP,V-TYPE	10K OHM,B,0.2W	PCS	3.000	VR402R VR402G VR402B
11	15-115-00051	VAR,NO-HANDLE,NO-CAP,V-TYPE	20K OHM,B,0.2W	PCS	1.000	VR930
12	17-220-00024	COIL,PEAKING	5.6UH + -10%,RT	PCS	3.000	L401R L401G L401B
13	17-221-00099	COIL,PEAKING	2.2UH + -20%,SC-726V	PCS	3.000	L402R R402G L402B
14	21-115-90087	TR NPN TO-126	2SC3950D,0.5A,30V,1.3W,VD O/P,ML	PCS	3.000	Q404R Q404G Q404B
15	21-115-90104	TR NPN TO-126	2SC3596E,0.3A,80V,1.2W,VD O/P	PCS	3.000	Q403R Q403G Q403B
16	21-125-00024	TR NPN TO-126	2SA1380E,100MA,200V,5W(TC),VD O/P	PCS	3.000	Q408R Q408G Q408B
17	21-125-90036	TR PNP TO-126	2SA1402E,0.3A,80V,1.2W,VD O/P	PCS	6.000	Q401R Q401G Q401B Q402R Q402G Q402B
18	23-329-90104	IC,LINEAR,SPECIAL	RGB PRE DRIVER,CXA1209P	PCS	1.000	IC401
19	31-211-02039	MET-I,PRS,SIDE PLATE-L,SC-726V	322*310*1.0,EGI	PCS	1.000	
20	31-211-02078	MET-I,PRS,SIDE PLATE-L,SC-726V	206*150*1.0,SBHG1	PCS	1.000	
21	33-191-00051	MS,SPL,PCN,W/P.W,ZPW	M4*12,SWRCH1018AK	PCS	2.000	
22	33-425-00012	TS +,BND,W/P.W,B,ZPW	M3*8,SWRCH1018AK	PCS	4.000	
23	36-614-00024	CONNECTOR LOCK HEADER	3.96,ST,2P,5273-02A	PCS	1.000	CN401
24	36-615-00012	CONNECTOR SHROUDED HEADER	2.5,ST,2P,5267-02A	PCS	4.000	CN403R CN403G CN403B CN604
25	36-615-00024	CONNECTOR SHROUDED HEADER	2.5,ST,3P,5267-03A	PCS	1.000	CN402
26	36-615-00063	CONNECTOR SHROUDED HEADER	2.5,ST,9P,5267-09A	PCS	1.000	CN603
27	36-615-00075	CONNECTOR SHROUDED HEADER	2.5,ST,11P,5267-11A	PCS	1.000	CN601
28	36-615-00087	CONNECTOR SHROUDED HEADER	2.5,ST,12P,5267-12A,BK	PCS	1.000	CN602

ASS'Y NO.		01-161-01229			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	21-115-90099	TR NPN TO-126	2SC3953E/D,0.2A,120V,1.3W,VD O/P,ML	PCS	1.000	Q405R Q405G Q405B
2	31-114-00606	HEAT SINK-N,SC-726V	33.5*23*45,A6063S,W/SOLDER PIN	PCS	1.000	
3	33-142-00012	MS+,PAN,W/P.W,ZPW	M3*8,SWRCH1018AK	PCS	1.000	

ASS'Y NO.		01-161-01232			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	21-115-90099	TR NPN TO-126	2SC3953E/D,0.2A,120V,1.3W,VD O/P,ML	PCS	1.000	Q407R Q407G Q407B Q406R Q406G Q406B
2	21-125-90048	TR PNP TO-126	2SA1538E,0.2A,120V,1.3W,VD O/P,ML	PCS	1.000	
3	31-114-00592	HEAT SINK-N,SC-726V	30*18*45,A6063S,W/SOLDER PIN	PCS	1.000	
4	33-142-00012	MS+,PAN,W/P.W,ZPW	M3*8,SWRCH1018AK	PCS	2.000	

ASS'Y NO.		MA-062-01057			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	11-192-0106B	CAP,AL-ELECT,GP	10UF,20%,16V,-40/85'C,RT,SMALL	PCS	5.000	C401R C401G C401B C603 C604
2	11-192-0107B	CAP,AL-ELECT,GP	100UF,20%,16V,-40/85'C,RT,SMALL	PCS	2.000	
3	11-192-04773	CAP,AL-ELECT,GP	470UF,20%,16V,-40/85'C,RT	PCS	3.000	C401 C406 C601
4	11-195-0336B	CAP,AL-ELECT,GP	33 UF,20%,50V,-40/85'C,RT,SMALL	PCS	1.000	C410
5	11-195-0474B	CAP,AL-ELECT,GP	0.47 UF,20%,50V,-40/85'C,RB	PCS	2.000	C403 C404
6	11-197-0336B	CAP,AL-ELECT,GP	33 UF,20%,160V,-25/85'C,RT	PCS	1.000	C409
7	11-591-01057	CAP,AL-ELECT,BP,CROSS	1 UF,20%,100V,-40/85'C,RT	PCS	3.000	C406R C406G C406B
8	12-182-08202	CAP,DISC CERAMIC,CC	82 PF,50VDC,5%,-25/85'C,RT	PCS	3.000	C404R C404G C404B
9	12-335-01033	CAP,DISC CERAMIC,CK	0.01 UF,-20/80%,500V,-25/85'C,RT	PCS	3.000	C405R C405G C405B
10	12-371-01033	CAP,DISC CERAMIC,CK	0.01 UF,-20/80%,50V,-25/85'C,RT	PCS	3.000	C402R C402G C402B
11	12-371-01045	CAP,DISC CERAMIC,CK-45	0.1 UF,-20/80%,50V,-25/85'C,RT	PCS	6.000	C402 C403R C403G 403B C407 C602
12	14-121-0101B	RES,CARBON,AT	100 OHM,1/6W,5%	PCS	3.000	R410 R411 R608
13	14-121-01021	RES,CARBON,AT	1K OHM,1/6W,5%	PCS	9.000	R401 R414 R404 R405 R408 R601 R607 R661 R956I
14	14-121-01033	RES,CARBON,AT	10K OHM,1/6W,5%	PCS	31.000	R403 R406 R412 418R R418G

ASS'Y NO.		MA-062-01057			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
						R418B R603 R604 R609 R610 R653 R654 R655 R656 R657 R658 R659 R660 R663 R664 R665 R666 R667 R668 R669 R670 R671 R920 R924I R932 R957
15	14-121-01229	RES,CARBON,AT	1.2K OHM,1/6W,5%	PCS	1.000	R924
16	14-121-01232	RES,CARBON,AT	12K OHM,1/6W,5%	PCS	2.000	R935 R939
17	14-121-01256	RES,CARBON,AT	1.2M OHM,1/6W,5%	PCS	1.000	R614
18	14-121-01523	RES,CARBON,AT	1.5K OHM,1/6W,5%	PCS	6.000	R406R R406G R406B R413 R926I R928I
19	14-121-01535	RES,CARBON,AT	15K OHM,1/6W,5%	PCS	2.000	R933 R940
20	14-121-01547	RES,CARBON,AT	150K OHM,1/6W,5%	PCS	1.000	R967
21	14-121-01826	RES,CARBON,AT	1.8K OHM,1/6W,5%	PCS	4.000	R413R R413G R413B R922I
22	14-121-02214	RES,CARBON,AT	220 OHM,1/6W,5%	PCS	4.000	R407R R407G R407B R918I
23	14-121-02226	RES,CARBON,AT	2.2K OHM,1/6W,5%	PCS	4.000	R943I R949 R952 R953
24	14-121-02241	RES,CARBON,AT	220K OHM,1/6W,5%	PCS	3.000	R417R R417G R417B
25	14-121-02704	RES,CARBON,AT	27 OHM,1/6W,5%	PCS	1.000	919I
26	14-121-02716	RES,CARBON,AT	270 OHM,1/6W,5%	PCS	4.000	R404R R404G R404B R913I
27	14-121-02728	RES,CARBON,AT	2.7K OHM,1/6W,5%	PCS	2.000	R929I R944I
28	14-121-03315	RES,CARBON,AT	330 OHM,1/6W,5%	PCS	3.000	R914I R917I R921I
29	14-121-03327	RES,CARBON,AT	3.3K OHM,1/6W,5%	PCS	5.000	R605 R611 R947 R958I R951
30	14-121-03912	RES,CARBON,AT	390 OHM,1/6W,5%	PCS	4.000	R602 R662 R948I R949I
31	14-121-03924	RES,CARBON,AT	3.9K OHM,1/6W,5%	PCS	3.000	R925I R927I R402
32	14-121-04707	RES,CARBON,AT	47 OHM,1/6W,5%	PCS	9.000	R402R R402G R402B R408R R408G R408B R410R R410G R402, R410B
33	14-121-04719	RES,CARBON,AT	470 OHM,1/6W,5%	PCS	2.000	R920I R947I
34	14-121-04722	RES,CARBON,AT	4.7K OHM,1/6W,5%	PCS	6.000	R415 R910 R917

ASS'Y NO.		MA-062-01057				MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.	
35	14-121-04734	RES,CARBON,AT	47K OHM,1/6W,5%	PCS	2.000	R922 R612 R950	
36	14-121-05107	RES,CARBON,AT	51 OHM,1/6W,5%	PCS	3.000	R407 R409	
						R412R R412G	
						R412B	
37	14-121-05612	RES,CARBON,AT	560 OHM,1/6W,5%	PCS	1.000	R910I	
38	14-121-05624	RES,CARBON,AT	5.6K OHM,1/6W,5%	PCS	2.000	R923I R955	
39	14-121-05651	RES,CARBON,AT	5.6M OHM,1/6W,5%	PCS	1.000	R629	
40	14-121-06817	RES,CARBON,AT	680 OHM,1/6W,5%	PCS	5.000	R643 R646 R649	
						R652 R672	
41	14-121-06829	RES,CARBON,AT	6.8K OHM,1/6W,5%	PCS	5.000	R606 R954 R943	
						R945 R946	
42	14-121-07508	RES,CARBON,AT	75 OHM,1/6W,5%	PCS	3.000	R401R R401G	
						R401B	
43	14-121-08226	RES,CARBON,AT	8.2K OHM,1/6W,5%	PCS	2.000	R921 R934	
44	14-122-01033	RES,CARBON,AT	10K OHM,1/6W,2%	PCS	3.000	R615 R625 R651	
45	14-122-01045	RES,CARBON,AT	100K OHM,1/6W,2%	PCS	6.000	R613 R621 R623	
						R632 R637 R619	
46	14-122-01547	RES,CARBON,AT	150K OHM,1/6W,2%	PCS	15.000	R617 R626 R627	
						R630 R631 R635	
						R636 R640 R641	
						R644 R648 R650	
						R618 R622 R624	
47	14-122-02743	RES,CARBON,AT	270K OHM,1/6W,2%	PCS	1.000	R639	
48	14-122-03339	RES,CARBON,AT	33K OHM,1/6W,2%	PCS	1.000	R642	
49	14-122-03936	RES,CARBON,AT	39K OHM,1/6W,2%	PCS	2.000	R620 R645	
50	14-122-04746	RES,CARBON,AT	470K OHM,1/6W,2%	PCS	1.000	R616	
51	14-122-05122	RES,CARBON,AT	5.1K OHM,1/6W,2%	PCS	1.000	R927	
52	14-122-05648	RES,CARBON,AT	560K OHM,1/6W,2%	PCS	1.000	R628	
53	14-122-06832	RES,CARBON,AT	68K OHM,1/6W,2%	PCS	1.000	R647	
54	14-122-06844	RES,CARBON,AT	680K OHM,1/6W,2%	PCS	3.000	R633 R634 R638	
55	14-134-01511	RES,CARBON,AT	150 OHM,1/4W,5%	PCS	3.000	R409B	
						R409R R409G	
56	14-142-02202	RES,CARBON,AT	22 OHM,1/2W,5%	PCS	6.000	R416G G416B	
						R415R R415G	
						R415B R416R	
57	14-142-03909	RES,CARBON,AT	39 OHM,1/2W,5%	PCS	3.000	R411B	
						R411R R411G	
58	14-336-0331B	RES,METAL OXIDE,AT	330 OHM,1W,5%,63MM TAPING	PCS	3.000		
						R405R R405G	
						R405B	
59	16-124-00366	PCB,V/INTERFACE,SC-726V	FR-4,1.6T,DOUBLE	PCS	1.000		
60	17-223-00104	COIL,INDUCTOR	4.7UH + -10%,AT	PCS	1.000	L401	
61	21-114-00012	TR NPN TO-92	KSC945CY,150MA,60V,250MV,AF AMP/OSC	PCS	2.000	Q601 Q602	
62	22-121-00051	ZENER DIODE	0.5W,5.1V,UZ5.1B	PCS	3.000	D601 D602 D603	

ASS'Y NO.		MA-062-01057			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
63	22-121-00366	ZENER DIODE	0.5W,10V,MTZ 10C	PCS	1.000	D401
64	22-121-00422	ZENER DIODE	0.5W,27V	PCS	3.000	D402 D403 D404
65	22-132-00048	SWITCHING DIODE	100MA,75V,1N4148	PCS	61.000	D401R D401G D401B D402R D402G D402B D403R D403G D403B D404R D404G D404B D604 D910-9 D920-9 D930-7 D939 D940-9 D950-6 D957 D958 D967
<p style="text-align: center;">For Service Manuals MAURITRON SERVICES 8 Cherry Tree Road, Chinnor Oxfordshire, OX9 4QY. Tel (01844) 351694 Fax (01844) 352554 email:- mauritron@diel.pipex.com</p>						
66	23-121-00063	IC,TTL,LS,DIP	74LS06	PCS	1.000	IC607
67	23-121-00868	IC,TTL,LS,DIP	74L SB6	PCS	1.000	IC601
68	23-121-91455	IC,TTL,LS,DIP	74LS145	PCS	3.000	IC606 IC608 IC609
69	23-171-95384	IC,4000 SERIES,C-MOS,DIP	4538B,DUAL MONO-MULTI VIBRATOR,14	PCS	1.000	IC602
70	23-321-00036	IC,LINEAR,DIP-14	LM324,QUAD OP AMP	PCS	1.000	IC604 IC605
71	23-321-00262	IC,LINEAR,DIP-8	LM358,DUAL OP AMP	PCS	1.000	IC603

ASS'Y NO.		MG-062-00669		MODEL NO.		SC-726V	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.	
1	MA-062-01033	A/S ASS'Y	FREE,ANALG,MAIN	PCS	1.000	Q374 + <u>Q316</u> + D308	
2	01-123-00194	SUB ASS'Y, CPT SOCKET	SC-726V	PCS	1.000		
3	01-161-01188	SUB ASS'Y, HEAT SINK	2SK1464+2SC3895+DD50R,SC-726V	PCS	1.000		
4	01-161-01191	SUB ASS'Y, HEAT SINK	LA7837,SC-726V	PCS	1.000	IC201	
5	01-161-01205	SUB ASS'Y, HEAT SINK	2SK1444,SC-726V	PCS	2.000	Q154 Q158	
6	01-161-01217	SUB ASS'Y, HEAT SINK	2SD1913R,SC-726V	PCS	1.000	<u>Q702</u>	
7	01-189-00128	SUB ASS'Y, MISC PCB	SC-726V,DC-DC CONVERTER	PCS	1.000	CN154	
8	01-189-00167	SUB ASS'Y, MISC PCB	SC-726V,G/D BOARD	PCS	1.000		
9	11-115-0228B	CAP,AL-ELECT,GP	2200UF,20%,35V, -40/85'C,RB,SMALL	PCS	1.000	C214	
10	11-119-0227B	CAP,AL-ELECT,GP	220UF,20%,160V, -40/85'C,RB,SMALL	PCS	1.000	C167	
11	11-753-01057	CAP,TANTAL-ELECT,GP	1UF,10%,35V, -55/125'C,RB	PCS	1.000	C208	
12	12-332-06817	CAP,DISC CERAMIC,CK	680PF,10%,2KV, -25/85'C,RT	PCS	1.000	C321	
13	13-317-02027	CAP,PP,HIGH-VOL	2000PF,5%,1.6KV,RB	PCS	1.000	C376	
14	13-317-02425	CAP,PP,HIGH-VOL	2400PF,5%,1.6KV,RB	PCS	3.000	C319 C320 C707	
15	13-341-01826	CAP,PP	1800PF,3%,100V,RB	PCS	1.000	C308	
16	13-354-01057	CAP,METALZ-PP	1UF,5%,250V,RB	PCS	1.000	C378	
17	13-354-01244	CAP,METALZ-PP	0.12UF,5%,250V,RB	PCS	1.000	C326	
18	13-354-02743	CAP,METALZ-PP	0.27UF,5%,250V,RB	PCS	1.000	C325	

ASS'Y NO.		MG-062-00669			MODEL NO.	SC-726V
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
19	13-354-03342	CAP,METALZ-PP	0.33UF,5%,250V,RB	PCS	3.000	C805 C854 C174
20	13-354-04746	CAP,METALZ-PP	0.47UF,5%,250V,RB	PCS	2.000	C323 C324
21	13-355-04734	CAP,METALZ-PP,GP	0.047UF,5%,800V,RB,CF93MP,OEM	PCS	1.000	C803
22	14-342-01R01	RES,METAL OXIDE,AB	1 OHM,2W,5%,FORMING	PCS	2.000	R715 R224
23	14-342-04707	RES,METAL OXIDE,AB	47 OHM,2W,5%,FORMING	PCS	3.000	R198 R206 R304
24	14-352-01018	RES,METAL OXIDE,AB	100 OHM,3W,5%,FORMING	PCS	1.000	R215
25	14-352-01217	RES,METAL OXIDE,AB	120 OHM,3W,5%,FORMING	PCS	1.000	R350
26	14-352-02704	RES,METAL OXIDE,AB	27 OHM,3W,5%,FORMING	PCS	1.000	R806
27	14-352-05609	RES,METAL OXIDE,AB	56 OHM,3W,5%,FORMING	PCS	1.000	R227
28	15-641-0R205	RES,WIRE WOUND,AB	0.2 OHM,1W,5%	PCS	1.000	R353
29	15-221-00194	VAR,NO-HANDLE,CAP,H-TYPE	5K OHM,B,0.2W,CET118-B5K	PCS	1.000	VR303
30	15-221-00298	VAR,NO-HANDLE,CAP,H-TYPE	200K OHM,B,0.2W,CET119A-B200K	PCS	1.000	VR202
31	15-221-00764	VAR,NO-HANDLE,CAP,H-TYPE	20K OHM,B,0.2W	PCS	2.000	VR151 VR302
32	15-222-00036	VAR,NO-HANDLE,CAP,V-TYPE	5K OHM,B,0.2W,CET92A-B5K	PCS	1.000	VR801
33	15-222-00051	VAR,NO-HANDLE,CAP,V-TYPE	100K OHM,B,0.2W,CET92A-B100K	PCS	2.000	VR701 VR802
34	15-222-00087	VAR,NO-HANDLE,CAP,V-TYPE	20K OHM,B,0.2W,CET92A-B20K	PCS	1.000	VR203
35	15-222-00179	VAR,NO-HANDLE,CAP,V-TYPE	500K OHM,B,0.2W	PCS	1.000	VR852
36	15-222-00182	VAR,NO-HANDLE,CAP,V-TYPE	50K OHM,B,0.2W	PCS	2.000	VR702 VR703
37	17-117-00012	COIL,TRANS	1.2MH/8.5UH,SC-726V	PCS	1.000	T801
38	17-122-90182	FBT,COLOR	MSU1FHB17 56KHZ	PCS	1.000	T851
39	17-132-00155	COIL,TRANS,H-DRIVE	10MH/70UH,15%,SC-431VII	PCS	1.000	T301
40	17-132-00235	COIL,TRANS,DRIVE	1.75MH/2.65MH,SC-726V	PCS	2.000	T151 T152
41	17-222-00087	COIL,CHOKE	50UH + -15%,SC-431EII/VII	PCS	2.000	L152 L155
42	17-222-00208	COIL,CHOKE	550UH + -10%,SC-431VII	PCS	2.000	L153 L156
43	17-222-00247	COIL,CHOKE	350UH + -30%,SC-726V	PCS	1.000	L351
44	17-222-00259	COIL,CHOKE	2.54MH + -15%,SC-726V	PCS	1.000	L151
45	17-222-00262	COIL,CHOKE	10MH + -15%,SC-726V	PCS	1.000	L801
46	17-222-00274	COIL,CHOKE	4.2MH + -15%,SC-726V	PCS	1.000	L154
47	17-226-00208	COIL,H-LIN,FIX	3.0UH + -30%,SC-726V	PCS	1.000	L301
48	17-226-00223	COIL,H-LIN,FIX	2.2UH,30%,SC-726V	PCS	1.000	L302
49	19-121-90024	RELAY	12VDC, -, -, G6B1114P-FD-US	PCS	1.000	SW301
50	21-114-00262	TR NPN TO-92	2SD1207T,2A,60V,1W,PW SW	PCS	1.000	Q205
51	21-115-00063	TR NPN TO-126	KSC3502E,100MA,200V,5W(TC),V/D O/P	PCS	1.000	Q701
52	21-117-90315	TR NPN TO-220	2SD1913R,3A,60V,2W,LF AMP,ML	PCS	1.000	Q801
53	21-124-00179	TR PNP TO-92	2SB892T,2A,60V,1W,PW SW	PCS	1.000	Q206
54	21-127-90075	TR PNP TO-220	2SB1274R/S,3A,60V,20W(TC),LF AMP,ML	PCS	1.000	Q802
55	21-131-00179	FET N.CHANNEL	IRF613,2.6A,150V,43W(TC),PW,TO-220	PCS	1.000	Q315
56	21-131-00182	FET N.CHANNEL	IRF644,14A, 250V,125W(TC),PW,TO-220	PCS	3.000	Q317 Q318 Q319
57	22-111-90048	RECTIFIER DIODE FR	3A,1000V,BYW96E/BYT78,SC-431VS	PCS	1.000	D374
58	22-111-90378	RECTIFIER DIODE FR	4A,600V,75NS	PCS	2.000	D168 D172
59	23-172-95384	IC,4000 SERIES,HC,CMOS,DIP	74HC4538	PCS	2.000	IC151 IC302
60	23-312-00128	IC,REGULATOR,TO-220	7805C,1.5A,5V	PCS	1.000	IC155
61	23-313-00036	IC,REGULATOR,TO-92	VOLTAGE STABILZER,KA33V(T),33V	PCS	1.000	IC153
62	23-321-90099	IC,LINEAR,DIP	7851,SYNC-DEFLECTION,20	PCS	1.000	IC301

ASS'Y NO.		MG-062-00669			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
63	23-322-00131	IC, LINEAR, SIP	358, OP AMP, 9P	PCS	2.000	IC152 IC701 FBT
64	31-211-02066	MET-I, PRS, MAIN CHASSIS, SC-726V	298*244*1.0, SBHG1	PCS	1.000	
65	33-142-00024	MS+, PAN, WP, ZPW	M3*10, SWRCH1018AK	PCS	1.000	
66	33-425-00012	TS+, BAD, W/P, W, B, ZPW	M3*8, SWRCH1018AK	PCS	5.000	
67	33-612-00048	PS+PAN, ZPW	M3.5*8, SWRCH1018AK	PCS	1.000	
68	33-612-00247	PS+PAN, ZPW	M4*12, SWRCH1018AK	PCS	1.000	CN403B CN403R CN403G CN304 CN303 CN702 CN302 CN301 CN201 CN305 CN151 CN152 CN852 CN851 CN306
69	36-413-00473	WIRE, CONN/HOUSING	240MM, 2P, W, W, 2.5, BK, B-TUBE	PCS	1.000	
70	36-413-00669	WIRE, CONN/HOUSING	285MM, 2P, W, W, 2.5, BK, R-TUBE	PCS	1.000	
71	36-413-00672	WIRE, CONN/HOUSING	285MM, 2P, W, W, 2.5, BK, G-TUBE	PCS	1.000	
72	36-414-00378	WIRE, CONN/HOUSING	365/265MM, 9P, W, 2.5, BK, BN, R, O, 1007 #2	PCS	1.000	
73	36-414-00407	WIRE, CONN/HOUSING	300MM, 5395-02, 5264-02, O, Y, 1007 #26	PCS	1.000	CN702 CN302 CN301 CN201 CN305 CN151 CN152 CN852 CN851 CN306
74	36-415-00339	WIRE, CONN/HOUSING	415/335, 12P, 2.5, BK, BN, R, O, 1007 #22	PCS	1.000	
75	36-613-00036	CONNECTOR OPEN HEADER	5.7.5, ST, 3P, BW603J	PCS	1.000	
76	36-613-00211	CONNECTOR OPEN HEADER	10, ST, 3P, BW-503L	PCS	1.000	
77	36-614-00446	CONNECTOR LOCK HEADER	3.96, ST, 4P, 5273-04	PCS	1.000	
78	36-615-00012	CONNECTOR SHROUDED HEADER	2.5, ST, 2P, 5267-02A	PCS	2.000	CN152 CN852 CN851 CN306
79	36-615-00024	CONNECTOR SHROUDED HEADER	2.5, ST, 3P, 5267-03A	PCS	1.000	
80	36-615-00087	CONNECTOR SHROUDED HEADER	2.5, ST, 12P, 5267-12A, BK	PCS	1.000	

ASS'Y NO.		01-123-00194			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	MA-062-00696	A/S ASS'Y	SOCKET	PCS	1.000	C502 C501 A501 A501R A501G A501B CN503 CN502 CN501 CN501R CN501G CN501B
2	12-246-02728	CAP, DISC CERAMIC, CK-45	2700PF, 10%, 2KV, -25/85'C, RB	PCS	1.000	
3	12-334-01018	CAP, DISC CERAMIC, CK-45	100PF, 10%, 500V, -25/85'C, RT, HDC	PCS	1.000	
4	13-911-00024	CAP, SPARK-GAP	1KV, S-23	PCS	1.000	
5	19-161-00036	NEON LAMP	200VDC	PCS	3.000	
6	36-413-00895	WIRE, CONN/HOUSING	240MM, 2P, W, 2.5, R, Y, 1007 #22	PCS	1.000	CN503 CN502 CN501 CN501R CN501G CN501B
7	36-437-00099	BRAID WIRE, RING TER	D5, 110MM	PCS	1.000	
8	36-613-00208	CONNECTOR, OPEN HEADER	10, ST, 2P, BW-502L	PCS	1.000	
9	36-614-00024	CONNECTOR LOCK HEADER	3.96, ST, 2P, 5273-02A	PCS	1.000	
10	36-615-00012	CONNECTOR SHROUDED HEADER	2.5, ST, 2P, 5267-02A	PCS	3.000	
11	36-633-90063	CRT SOCKET	29DIA. 12P, HPS0176-01-010	PCS	1.000	CN501R CN501G CN501B
12	39-421-00131	TUBE, INSULATION	AWG 7, D3.7, KEIT-60 #7	M	1.000	

ASS'Y NO.		MA-062-00696			MODEL NO.		SC-726V
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.	
1	14-142-01018	RES, CARBON, AT	100 OHM, 1/2W, 5%	PCS	3.000	R501R R501G R501B	

ASS'Y NO.		MA-062-00696			MODEL NO.	SC-726V
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
2	16-111-01164	PCB, SOCKET, SC-726V	70*70, FR-1, 1.6T	PCS	1.000	
3	36-181-00012	WIRE, BARE	CU + SN + PB, 1ST, 1X0.6, SAD	PCS	1.000	

ASS'Y NO.		01-161-01188			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	21-117-90327	TR NPN TO-3P	2SC3895, 7A, 1500V, 60W(TC), HOR DEF, ML	PCS	1.000	Q316
2	21-131-90167	FET N.CHANNEL	2SK1464, 8A, 900V, SW, TO-3P, ML	PCS	1.000	Q374
3	22-111-90381	RECTIFIER DIODE FR	5A, 1.5KV, 1US, 3PIN	PCS	1.000	D308
4	31-611-00131	MET-N, PRS, FBT BRACKET, SC-726V	132*130*1.0, A1050P	PCS	1.000	
5	33-142-00036	MS +, PAN, W/P.W, ZPW	M3*12, SWRCH1018AK	PCS	3.000	
6	39-119-00143	RUBBER, SILICON	19*24*0.45, BLUE	PCS	1.000	

ASS'Y NO.		01-161-01191			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	23-322-90128	IC, LINEAR, SIP-13	7837, VERT DEFLECTION	PCS	1.000	IC201
2	31-114-00589	HEAT SINK-N, SC-726V	66*22*45, A6063S, W/SOLDER PIN	PCS	1.000	
3	33-142-00024	MS +, PAN, W/P.W, ZPW	M3*10, SWRCH1018AK	PCS	1.000	

ASS'Y NO.		01-161-01205			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	21-131-90143	FET N.CHANNEL	2SK1444, 3A, 450V, SW, TO-220	PCS	1.000	Q154 + Q158
2	31-114-00434	HEAT SINK-N, BU 406, SD-320	24*14*50, A6063S, W/SOLDER PIN	PCS	1.000	
3	33-142-00012	MS +, PAN, W/P.W, ZPW	M3*8, SWRCH1018AK	PCS	1.000	

ASS'Y NO.		01-161-01217			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	21-117-90315	TR NPN TO-220	2SD1913R, 3A, 60V, 2W, LF AMP, ML	PCS	1.000	Q702
2	31-114-00606	HEAT SINK-N, SC-726V	33.5*23*45, A6063S, W/SOLDER PIN	PCS	1.000	
3	33-142-00012	MS +, PAN, W/P.W, ZPW	M3*8, SWRCH1018AK	PCS	1.000	

ASS'Y NO.		01-189-00128			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	MA-062-01069	A/S ASS'Y	DC/DC CONVERTOR	PCS	1.000	
2	13-231-01523	CAP, PS	1500PF, 5%, 50V, RB	PCS	1.000	C151M

ASS'Y NO.		01-189-00128		MODEL NO.		
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
3	23-321-00128	IC,LINEAR,DIP-8	393,DUAL DIFFERENTIAL COMPARATOR	PCS	1.000	IC153M
4	23-321-90262	IC,LINEAR,DIP-16	S/W REGULATOR CONTROL,UPC1100C	PCS	1.000	IC151M
5	23-322-90143	IC,LINEAR,DIP-9	PHASE COMPRAOTOR,TC5081AP	PCS	1.000	IC152M
6	36-613-00342	CONNECTOR OPEN HEADER	2.4,RA,4P,3094-04	PCS	1.000	CN152M
7	36-613-00354	CONNECTOR OPEN HEADER	2.4,RA,7P,3094-07	PCS	1.000	CN151M

ASS'Y NO.		MA-062-01069		MODEL NO.		SC-726V
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	11-192-0106B	CAP,AL-ELECT,GP	10UF,20%,16V,-40/85'C,RT,SMALL	PCS	1.000	C169M
2	11-192-0107B	CAP,AL-ELECT,GP	100UF,20%,16V,-40/85'C,RT,SMALL	PCS	1.000	C158M
3	11-192-0476B	CAP,AL-ELECT,GP	47UF,20%,16V,-40/85'C,RT,SMALL	PCS	2.000	C156M C168M
4	11-195-0105B	CAP,AL-ELECT,GP	1UF,20%,50V,-40/85'C,RT,SMALL	PCS	1.000	C167M
5	12-182-01018	CAP,DISC CERAMIC,CC	100PF,5%,50V,-25/85'C,RT	PCS	1.000	C166M
6	12-182-01511	CAP,DISC CERAMIC,CC	150PF,5%,50V,-25/85'C,RT	PCS	2.000	C163M C164M
7	121-182-01814	CAP,DISC CERAMIC,CC	180PF,5%,50V,-25/85'C,RT	PCS	1.000	C161M
8	12-182-03315	CAP,DISC CERAMIC,CC	330PF,5%,50V,-25/85'C,RT,SL	PCS	1.000	C170M
9	12-371-01045	CAP,DISC CERAMIC,CK-45	0.1UF,-20/80%,50V,-25/85'C,RT	PCS	2.000	C157M C162M
10	13-126-01021	CAP,IND-POLYESTER	0.001UF,10%,100V,RT	PCS	1.000	C165M
11	13-126-01033	CAP,IND-POLYESTER	0.01UF,10%,100V,RT,CQ92MT	PCS	1.000	C160M
12	13-126-01045	CAP,IND-POLYESTER	0.1UF,10%,100V,RT,CQ92MT	PCS	4.000	C154M C155M C152M C153M
13	13-126-04722	CAP,IND-POLYESTER	0.0047UF,10%,100V,RT	PCS	1.000	C159M
14	14-121-01021	RES,CARBON,AT	1K OHM,1/6W,5%	PCS	1.000	
15	14-121-01033	RES,CARBON,AT	10K OHM,1/6W,5%	PCS	4.000	R173M R171M R175M
16	14-121-01045	RES,CARBON,AT	100K OHM,1/6W,5%	PCS	3.000	R177M R181M R186M R183M
17	14-121-01057	RES,CARBON,AT	1M OHM,1/6W,5%	PCS	2.000	R184M
18	14-121-01229	RES,CARBON,AT	1.2K OHM,1/6W,5%	PCS	1.000	R174M R159M
19	14-121-01232	RES,CARBON,AT	12K OHM,1/6W,5%	PCS	1.000	R176M
20	14-121-01535	RES,CARBON,AT	15K OHM,1/6W,5%	PCS	3.000	R157M R166M R190M
21	14-121-02226	RES,CARBON,AT	2.2K OHM,1/6W,5%	PCS	2.000	R179M
22	14-121-02238	RES,CARBON,AT	22K OHM,1/6W,5%	PCS	2.000	R185M R189M
23	14-121-02728	RES,CARBON,AT	2.7K OHM,1/6W,5%	PCS	1.000	R163M R164M
24	14-121-02731	RES,CARBON,AT	27K OHM,1/6W,5%	PCS	1.000	R172M
25	14-121-03339	RES,CARBON,AT	33K OHM,1/6W,5%	PCS	2.000	R168M
26	14-121-03924	RES,CARBON,AT	3.9K OHM,1/6W,5%	PCS	1.000	R187M R167M
27	14-121-03936	RES,CARBON,AT	39K OHM,1/6W,5%	PCS	1.000	R165M
28	14-121-04722	RES,CARBON,AT	4.7K OHM,1/6W,5%	PCS	4.000	R155M R162M R161M
29	14-121-04746	RES,CARBON,AT	470K OHM,1/6W,5%	PCS	1.000	R156M R158M R160M

ASS'Y NO.		MA-062-01069			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
30	14-121-05636	RES,CARBON,AT	56K OHM,1/6W,5%	PCS	2.000	R188M R169M
31	14-121-06829	RES,CARBON,AT	6.8K OHM,1/6W,5%	PCS	2.000	R170M R182M
32	14-122-02731	RES,CARBON,AT	27K OHM,1/6W,2%	PCS	2.000	R151M R153M
33	14-122-07523	RES,CARBON,AT	7.5K OHM,1/6W,2%	PCS	1.000	R154M
34	14-122-09128	RES,CARBON,AT	9.1K OHM,1/6W,2%	PCS	1.000	R152M
35	14-142-04719	RES,CARBON,AT	470 OHM,1/2W,5%	PCS	1.000	R178M
36	16-111-01176	PCB,DC/DC,SC-726V	85*65,FR-1,1.6T	PCS	1.000	
37	21-114-00012	TR NPN TO-92	KSC945CY,150MA,60V,250MV,AF AMP/OSC	PCS	1.000	Q151M
38	21-124-00024	TR PNP TO-92	KSA733CY,0.15A,60V,0.25W,LF AMP	PCS	1.000	Q153M
39	21-131-00194	FET N.CHANNEL	KSK30G,10MA,50V,100MW,TAPING,TO-92	PCS	1.000	Q152M
40	22-121-00063	ZENER DIODE	0.5W,5.6V,UZ5.6B	PCS	1.000	D151M
41	22-132-00048	SWITCHING DIODE	100MA,75V,1N4148	PCS	2.000	D152M D153M
42	36-181-00012	WIRE,BARE	CU+SN+PB,1ST,1X0.6,SAD	KG	.004	J1M J2M J3M J4M J5M J6M J7M J8M J9M

ASS'Y NO.		01-189-00167			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	MA-062-01072	A/S ASS'Y	G/D,SC-726V	PCS	1.000	
2	13-152-02241	CAP,METALZ-POLYESTER	0.22UF,10%,100V,RB,CF93MM,OEM	PCS	2.000	C702M C704M
3	23-171-00669	IC,4000 SERIES,COMS,DIP-14	GD4066B,QUAD ANALOG S/W	PCS	1.000	IC702M
4	23-321-00262	IC,LINEAR,DIP-8	LM358,DUAL OP AMP	PCS	1.000	IC701M
5	36-613-00378	CONNECTOR OPEN HEADER	2.5,RA,9P,3094-09A	PCS	1.000	CN701M

ASS'Y NO.		MA-062-01072			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	11-191-0107B	CAP,AL-ELECT,GP	100UF,20%,16V, -40/85'C,RT,SMALL	PCS	1.000	C705M
2	11-193-0106B	CAP,AL-ELECT,GP	10UF,20%,25V, -40/85'C,RT,SMALL	PCS	2.000	C701M C703M
3	12-371-01045	CAP,DISC CERAMIC,CK-45	0.1UF, -20/80%,50V, -25/85'C,RT	PCS	1.000	C706M
4	14-121-01033	RES,CARBON,AT	10K OHM,1/6W,5%	PCS	3.000	R701M R702M R703M
5	14-121-01523	RES,CARBON,AT	1.5K OHM,1/6W,5%	PCS	1.000	R707M
6	14-121-03924	RES,CARBON,AT	3.9K OHM,1/6W,5%	PCS	1.000	R708M
7	14-121-03936	RES,CARBON,AT	39K OHM,1/6W,5%	PCS	1.000	R705M
8	14-121-05648	RES,CARBON,AT	560K OHM,1/6W,5%	PCS	2.000	R704M R706M
9	16-111-01217	PCB,G/D CORRECTION,SC-726V	38MM*100MM,FR-1,1.6T	PCS	1.000	

ASS'Y NO.		MA-062-01033			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
1	11-192-0106B	CAP,AL-ELECT,GP	10UF,20%,16V,-40/85'C,RT,SMALL	PCS	3.000	C157 C162 C172
2	11-192-0107B	CAP,AL-ELECT,GP	100UF,20%,16V,-40/85'C,RT,SMALL	PCS	4.000	C205 C706 C855 C861
3	11-192-02277	CAP,AL-ELECT,GP	220UF,20%,16V,-40/85'C,RT	PCS	3.000	C202 C302 C380
4	11-192-0476B	CAP,AL-ELECT,GP	47UF,20%,16V,-40/85'C,RT,SMALL	PCS	4.000	C161 C171 C188 C189
5	11-193-0106B	CAP,AL-ELECT,GP	10UF,20%,25V,-40/85'C,RT,SMALL	PCS	1.000	C158
6	11-194-01072	CAP,AL-ELECT,GP	100UF,20%,35V,-40/85'C,RT	PCS	1.000	C314
7	11-194-01084	CAP,AL-ELECT,GP	1000UF,20%,35V,-40/85'C,RT	PCS	1.000	C209
8	11-194-02277	CAP,AL-ELECT,GP	220UF,20%,35V,-40/85'C,RT	PCS	3.000	C374 C804 C853
9	11-194-0476B	CAP,AL-ELECT,GP	47UF,20%,35V,-40/85'C,RT,SMALL	PCS	3.000	C317 C801 C802
10	11-194-04773	CAP,AL-ELECT,GP	470UF,20%,35V,-40/85'C,RT	PCS	1.000	C216
11	11-195-0105B	CAP,AL-ELECT,GP	1UF,20%,50V,-40/85'C,RT,SMALL	PCS	6.000	C215 C306 C309 C310 C702 C860
12	11-195-0107B	CAP,AL-ELECT,GP	100UF,20%,50V,-40/85'C,RT,SMALL	PCS	1.000	C211
13	11-195-03354	CAP,AL-ELECT,GP	3.3UF,20%,50V,-40/85'C,RT	PCS	2.000	C704 C705
14	11-195-0336B	CAP,AL-ELECT,GP	33UF,20%,50V,-40/85'C,RT,SMALL	PCS	1.000	C190
15	11-195-0475B	CAP,AL-ELECT,GP	4.7UF,20%,50V,-40/85'C,RT,SMALL	PCS	3.000	C313 C315 C851
16	11-197-01057	CAP,AL-ELECT,GP	1UF,20%,160V,-40/85'C,RT	PCS	1.000	C164
17	11-197-04758	CAP,AL-ELECT,GP	4.7UF,20%,160V,-40/85'C,RT	PCS	2.000	C379 C859
18	11-197-04761	CAP,AL-ELECT,GP	47UF,20%,160V,-40/85'C,RT	PCS	4.000	C165 C166 C176 C177
19	11-198-01069	CAP,AL-ELECT,GP	10UF,20%,250V,-40/85'C,RT	PCS	1.000	C857
20	11-199-02265	CAP,AL-ELECT,GP	22UF,20%,200V,-40/85'C,RT	PCS	1.000	C175
21	11-199-0476B	CAP,AL-ELECT,GP	47UF,200V,20%-40/85'C,RT	PCS	1.000	C168
22	12-182-01018	CAP,DISC CERAMIC,CC	100PF,5%,50V,-25/85'C,RT	PCS	6.000	C156 C304 C806 C807 C178 C179
23	12-182-01511	CAP,DISC CERAMIC,CC	150PF,5%,50V,-25/85'C,RT	PCS	1.000	C305
24	12-182-01814	CAP,DISC CERAMIC,CC	180PF,5%,50V,-25/85'C,RT	PCS	1.000	C303
25	12-182-02003	CAP,DISC CERAMIC,CC-45	20PF,5%,50V,-25/85'C,RT	PCS	1.000	C210
26	12-182-02704	CAP,DISC CERAMIC,CC	27PF,5%,50V,-25/85'C,RT	PCS	1.000	C301
27	12-182-02716	CAP,DISC CERAMIC,CC	270PF,5%,50V,-25/85'C,RT	PCS	1.000	C307
28	12-182-03912	CAP,DISC CERAMIC,CC	390PF,5%,50V,-25/85'C,RT	PCS	1.000	C703
29	12-313-04719	CAP,DISC CERAMIC,CC	470PF,10%,500V,-25/85'C,RT	PCS	1.000	C808
30	12-331-01021	CAP,DISC CERAMIC,CK	1000PF,10%,50V,-25/85'C,RT	PCS	6.000	C151 C152 C153 C154 C155 C201
31	12-331-04719	CAP,DISC CERAMIC,CK	470PF,10%,50V,-25/85'C,RT	PCS	1.000	C318
32	12-334-01021	CAP,DISC CERAMIC,CK 45	1000PF,10%,500V,-25/85'C,RT,HDC	PCS	1.000	C316
33	12-334-02226	CAP,DISC CERAMIC,CK-45	2200PF,10%,500V,-25/85'C,RT	PCS	2.000	C322 C327
34	12-334-02716	CAP,DISC CERAMIC,CK-45	270PF,10%,500V,-25/85'C,RT	PCS	1.000	C856
35	12-371-01045	CAP,DISC CERAMIC,CK-45	0.1UF,-20/80%,50V,-25/85'C,RT	PCS	4.000	C159 C852 C858 C862
36	13-122-01045	CAP,IND-POLYESTER	0.1UF,5%,100V,RT	PCS	1.000	C203
37	13-126-01021	CAP,IND-POLYESTER	0.001UF,10%,100V,RT	PCS	5.000	C169 C170

ASS'Y NO.		MA-062-01033			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
						C207 C371 C372
38	13-126-01033	CAP,IND-POLYESTER	0.01UF,10%,100V,RT,CQ92MT	PCS	3.000	C160 C311 C865
39	13-126-01045	CAP,IND-POLYESTER	0.1UF,10%,100V,RT,CQ92MT	PCS	2.000	C163 C173
40	13-126-03936	CAP,IND-POLYESTER	0.039UF,10%,100V,RT	PCS	1.000	C213
41	13-126-04722	CAP,IND-POLYESTER	0.0047UF,10%,100V,RT	PCS	1.000	C373
42	13-371-01826	CAP,PP	1800PF,5%,100V,RT	PCS	1.000	C312
43	13-371-08226	CAP,PP	8200PF,5%,100V,RT	PCS	1.000	C204
44	14-121-01018	RES,CARBON,AT	100 OHM,1/6W,5%	PCS	2.000	R209 R344 R388
45	14-121-01021	RES,CARBON,AT	1K OHM,1/6W,5%	PCS	4.000	R158 R334
						R374 R704
46	14-121-01033	RES,CARBON,AT	10K OHM,1/6W,5%	PCS	29.000	R171 R172 R180
						R184 R201 R229
						R314 R316 R320
						R323 R326 R329
						R331 R332 R346
						R347 R348 R357
						R359 R361 R364
						R376 R378 R379
						R385 R387 R390
						R813 R864
47	14-121-01045	RES,CARBON,AT	100K OHM,1/6W,5%	PCS	10.000	R156 R324 R337
						R343 R358 R360
						R362 R814 R867
						R157
48	14-121-01057	RES,CARBON,AT	1M OHM,1/6W,5%	PCS	8.000	R151 R152 R153
						R154 R155 R851
						R854 191
49	14-121-01229	RES,CARBON,AT	1.2K OHM,1/6W,5%	PCS	1.000	R709
50	14-121-01232	RES,CARBON,AT	12K OHM,1/6W,5%	PCS	5.000	R303 R313 R335
						R375 R389
51	14-121-01244	RES,CARBON,AT	120K OHM,1/6W,5%	PCS	1.000	R207
52	14-121-01256	RES,CARBON,AT	1.2M OHM,1/6W,5%	PCS	1.000	R853
53	14-121-01523	RES,CARBON,AT	1.5K OHM,1/6W,5%	PCS	6.000	R168 R181 R391
						R858 R859 R722
54	14-121-01535	RES,CARBON,AT	15K OHM,1/6W,5%	PCS	6.000	R177 R212 R218
						R228 R315 R336
55	14-121-01547	RES,CARBON,AT	150K OHM,1/6W,5%	PCS	2.000	R321 R185
56	14-121-01838	RES,CARBON,AT	18K OHM,1/6W,5%	PCS	2.000	R178 R222
57	14-121-02214	RES,CARBON,AT	220 OHM,1/6W,5%	PCS	1.000	R338
58	14-121-02226	RES,CARBON,AT	2.2K OHM,1/6W,5%	PCS	14.000	R160 R161 R173
						R174 R211 R220
						R309 R312 R319
						R322 R325 R328
						R349 R706
59	14-121-02238	RES,CARBON,AT	22K OHM,1/6W,5%	PCS	12.000	R163 R167 R176

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ASS'Y NO.		MA-062-01033			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
						R203 R208 R223 R302 R308 R333 R807 R808 R225
60	14-121-02241	RES,CARBON,AT	220K OHM,1/6W,5%	PCS	1.000	R852
61	14-121-02728	RES,CARBON,AT	2.7K OHM,1/6W,5%	PCS	3.000	R219 R705 R707
62	14-121-02731	RES,CARBON,AT	27K OHM,1/6W,5%	PCS	2.000	R217 R330
63	14-121-03315	RES,CARBON,AT	330 OHM,1/6W,5%	PCS	1.000	R710
64	14-121-03327	RES,CARBON,AT	3.3K OHM,1/6W,5%	PCS	3.000	R339 R372 R380
65	14-121-03339	RES,CARBON,AT	33K OHM,1/6W,5%	PCS	3.000	R159 R318 R190
66	14-121-03924	RES,CARBON,AT	3.9K OHM,1/6W,5%	PCS	2.000	R363 R371
67	14-121-03936	RES,CARBON,AT	39K OHM,1/6W,5%	PCS	2.000	R327 R857
68	14-121-04707	RES,CARBON,AT	47 OHM,1/6W,5%	PCS	1.000	R355
69	14-121-04722	RES,CARBON,AT	4.7K OHM,1/6W,5%	PCS	1.000	R317
70	14-121-04734	RES,CARBON,AT	47K OHM,1/6W,5%	PCS	1.000	R716
71	14-121-04746	RES,CARBON,AT	470K OHM,1/6W,5%	PCS	2.000	R226 R307
72	14-121-05609	RES,CARBON,AT	56 OHM,1/6W,5%	PCS	1.000	R204
73	14-121-05624	RES,CARBON,AT	5.6K OHM,1/6W,5%	PCS	12.000	R202 R306 R340 R386 R718 R719 R720 R721 R809 R810 R162 R708
74	14-121-05636	RES,CARBON,AT	56K OHM,1/6W,5%	PCS	4.000	R703 R717 R311 R702
75	14-121-05648	RES,CARBON,AT	560K OHM,1/6W,5%	PCS	1.000	R865
76	14-121-06817	RES,CARBON,AT	680 OHM,1/6W,5%	PCS	1.000	R310
77	14-121-06829	RES,CARBON,AT	6.8K OHM,1/6W,5%	PCS	4.000	R377 R392 R165 R373
78	14-121-06832	RES,CARBON,AT	68K OHM,1/6W,5%	PCS	3.000	R213 R305 R342
79	14-121-08226	RES,CARBON,AT	8.2K OHM,1/6W,5%	PCS	3.000	R221 R164 R166
80	14-122-02942	RES,CARBON,AT	290K OHM,1/6W,5%	PCS	1.000	R205
81	14-122-09128	RES,CARBON,AT	9.1K OHM,1/6W,5%	PCS	1.000	R179
82	14-134-01021	RES,CARBON,AT	1K OHM,1/4W,5%	PCS	1.000	R711
83	14-134-01045	RES,CARBON,AT	100K OHM,1/4W,5%	PCS	1.000	R868
84	14-134-01057	RES,CARBON,AT	1M OHM,1/4W,5%	PCS	1.000	R866
85	14-134-01205	RES,CARBON,AT	12 OHM,1/4W,5%	PCS	1.000	R381
86	14-134-01229	RES,CARBON,AT	1.2K OHM,1/4W,5%	PCS	1.000	R199
87	14-134-01547	RES,CARBON,AT	150K OHM,1/4W,5%	PCS	1.000	R861
88	14-134-02226	RES,CARBON,AT	2.2K OHM,1/4W,5%	PCS	1.000	R714
89	14-134-02704	RES,CARBON,AT	27 OHM,1/4W,5%	PCS	2.000	R811 R855
90	14-134-02743	RES,CARBON,AT	270K OHM,1/4W,5%	PCS	1.000	R862
91	14-134-04R76	RES,CARBON,AT	4.7 OHM,1/4W,5%	PCS	1.000	R382
92	14-142-01R01	RES,CARBON,AT	1 OHM,1/2W,5%	PCS	2.000	R804 R805
93	14-142-01018	RES,CARBON,AT	100 OHM,1/2W,5%		5.000	R356 R363 R170 R183 R354

ASS'Y NO.		MA-062-01033			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
94	14-142-01021	RES,CARBON,AT	1K OHM,1/2W,5%	PCS	2.000	R812 R856
95	14-142-01045	RES,CARBON,AT	100K OHM,1/2W,5%	PCS	1.000	R175
96	14-142-01511	RES,CARBON,AT	150 OHM,1/2W,5%	PCS	1.000	R351
97	14-142-01523	RES,CARBON,AT	1.5K OHM,1/2W,5%	PCS	1.000	R352
98	14-142-02R22	RES,CARBON,AT	2.2 OHM,1/2W,5%	PCS	6.000	R383 R801 R802 R803 R860 R863
99	14-142-02238	RES,CARBON,AT	22K OHM,1/2W,5%	PCS	1.000	R384
100	14-142-03315	RES,CARBON,AT	330 OHM,1/2W,5%	PCS	2.000	R169 R182
101	14-142-04722	RES,CARBON,AT	4.7K OHM,1/2W,5%	PCS	1.000	R712
102	14-142-05609	RES,CARBON,AT	56 OHM,1/2W,5%	PCS	1.000	R345
103	16-111-01149	PCB,MAIN,SC-726V	296*240,FR-1,1.6T	PCS	1.000	
104	21-114-00012	TR NPN TO-92	KSC945CY,150MA,60V,250MV,AF AMP/OSC	PCS	22.000	Q152 Q156 Q201 Q203 Q159 Q204 Q207 Q208 Q301 Q302 Q304 Q305 Q310 Q311 Q313 Q371 Q372 Q320 Q375 Q803 Q804 Q851
105	21-114-00298	TR NPN TO-92	MPSA44,0.3A,500V,625MW	PCS	1.000	Q853
106	21-114-00303	TR NPN TO-92	KSC2383Y,1A,160V,0.9W,VER DEF,TAPIN	PCS	1.000	Q805
107	21-124-00024	TR PNP TO-92	KSA733CY,0.15A,60V,0.25W,LF AMP	PCS	13.000	Q151 Q153 Q155 Q157 Q202 Q303 Q306 Q307 Q308 Q309 Q312 Q314 Q373
108	21-124-00143	TR PNP TO-92	2N6520,0.5A,350V,0.625W,HV,TAPING	PCS	1.000	Q852
109	22-111-90087	RECTIFIER DIODE FR	1A,600V,1N4937	PCS	13.000	D169 D203 D375 D701 D702 D801 D802 D851 D852 D853 D854 D855 D856
110	22-121-00024	ZENER DIODE	0.5W,2.7V,UZ2.7B	PCS	1.000	D164
111	22-121-00063	ZENER DIODE	0.5W,5.6V,UZ5.6B	PCS	2.000	D166 D204
112	22-121-00087	ZENER DIODE	0.5W,8.2V,UZ8.2B	PCS	2.000	D170 D376
113	22-121-00104	ZENER DIODE	0.5W,11V,UZ11B	PCS	1.000	D307
114	22-121-00131	ZENER DIODE	0.5W,15V,UZ15B	PCS	1.000	D373
115	22-121-00434	ZENER DIODE	0.5W,30V	PCS	1.000	D702
116	22-132-00048	SWITCHING DIODE	100MA,75V,1N4148	PCS	28.000	D151 D152 D153 D154 D155 D156 D157 D158 D159 D160 D161 D162 D165 D167 D171 D202 D301 D302

ASS'Y NO.		MA-062-01033			MODEL NO.	
SEQ	P/N	DESCRIPTION	SPEC	UNIT	Q'TY	CKT NO.
117	36-181-00012	WIRE,BARE	CU+SN+PB,1ST,1X0.6,SAD	KG	.060	D303 D304 D305 D306 D371 D372 D377 D172 D320 D321 JI-121

[2] Reliabilities

2-1. Life test(MTBF)

The monitor should have 20,000hrs MTBF when operated under any combination of conditions in specification.

2-2. Environmental Test.

The operating environment is the environment in which the monitor should operate without degradation or damage.

These are tests that SED will perform on the monitor prior to release.

The monitor is required to pass these tests prior to mass production.

These tests are described in details in SED environment specification.

Under the following environmental conditions, the monitor should not fail the specification.

2-3. Temperature.

- * Operating : 0°C To 45°C

- * Storage : -40°C To +70°C

2-4. Humidity test

- * Operating : 15% To 80% (Non condensing)

- * Storage : Maximum 90%

2-5. Vibration

The level specified for vibration apply to three mutually perpendicular directions(principle monitor axis) with packing and non operation,

- * Frequency : 5~200Hz

- * Amplitude : 0~4mm

- * Sweep Time : 30Min

- * Waveform : Sinewave

- * Direction : Up/Down

- * Time : 1 Hour

2-6. Altitude

- * Operating : 15000ft at + 70°
ft at + 0°

- * Non Operating : MAX. 50000ft

2-7. Safety and approvals.

2-7-1. Electromagnetic interference.

The system will be certified according to following international standards.

1) Radiated emission.

- * FCC rules, Part 15, class B

- * DOC SOR 88-475

- * VDE 0878m PART 3(EN 55022) CLASS B & BMPT DECREE # 243/1991.

2) Conducted emission

The monitor electronics shall not be customer accessible, Same as above, 1)

2-7-2. Safety approval.

The system will be certified according to the following international safety standards.

- * UL 1950 WITH D3

- * CSA C22.2 No.950 WITH D3

- * TUV-EN60950

- * IEC 950

2-7-3. Ergonomics.

The complete assembly shall be certified as complying with the rule and regulations of the German Ergonomics Standards

- * ZH 1/618

2-7-4. Ionizing Radiation.

The display device must be certified as complying with the U.S Department of Health and Human Service(D.H.H.S), rule 21 CER, subchapter J and ANSI C95-1

- * 21 CER SUB CH.J.

- * PTB

[3] Signal cable pin connection

* SIGNAL CABLE PIN CONNECTION(15PIN D—SUB SIGNAL CONNECTOR WITH CABLE)

NO	RGB/ANALOG SIGNAL	SIGNAL	WIRE COLOR	5264-11	REMARKS
1	RED	PIN # 1	COXIAL RED	10	
2	GREEN	PIN # 2	COXIAL GREEN	8	
3	BLUE	PIN # 3	COXIAL BLUE	6	
4	GROUND	PIN # 4	BLACK	1	
5	SELFTEST	PIN # 5	BLACK	5	
6	RED GROUND	PIN # 6	RED SHIELD	11	
7	GREEN GROUND	PIN # 7	YELLOW SHIELD	9	
8	BLUE GROUND	PIN # 8	BLUE SHIELD	7	
9	N.C	PIN # 9			
10	GROUND	PIN # 10	BLACK	4	
11	SYNC GROUND	PIN # 11	BLACK	1	
12	N.C	PIN # 12			
13	H-SYNC	PIN # 13	WHITE	2	
14	V-SYNC	PIN # 14	YELLOW	3	
15	N.C	PIN # 15			
16	CHASSIS GROUND	CONNECTOR SHELL			

* Pin No.4 & 11 are common together.