

DARIUS
TECHNOLOGY

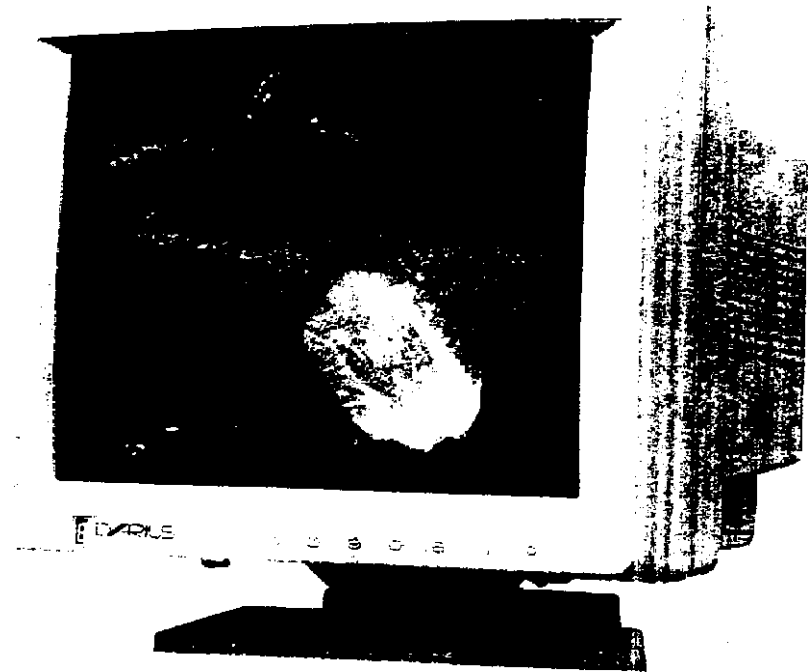
DARIUS

**NON Interlaced & Low Radiation
SVGA COLOR MONITORS
SERVICE MANUAL**

*Built in
Tammur by
USFO Tech Corp*

HRN-14NI / HRN-14LR

(D-1450 D-1460)



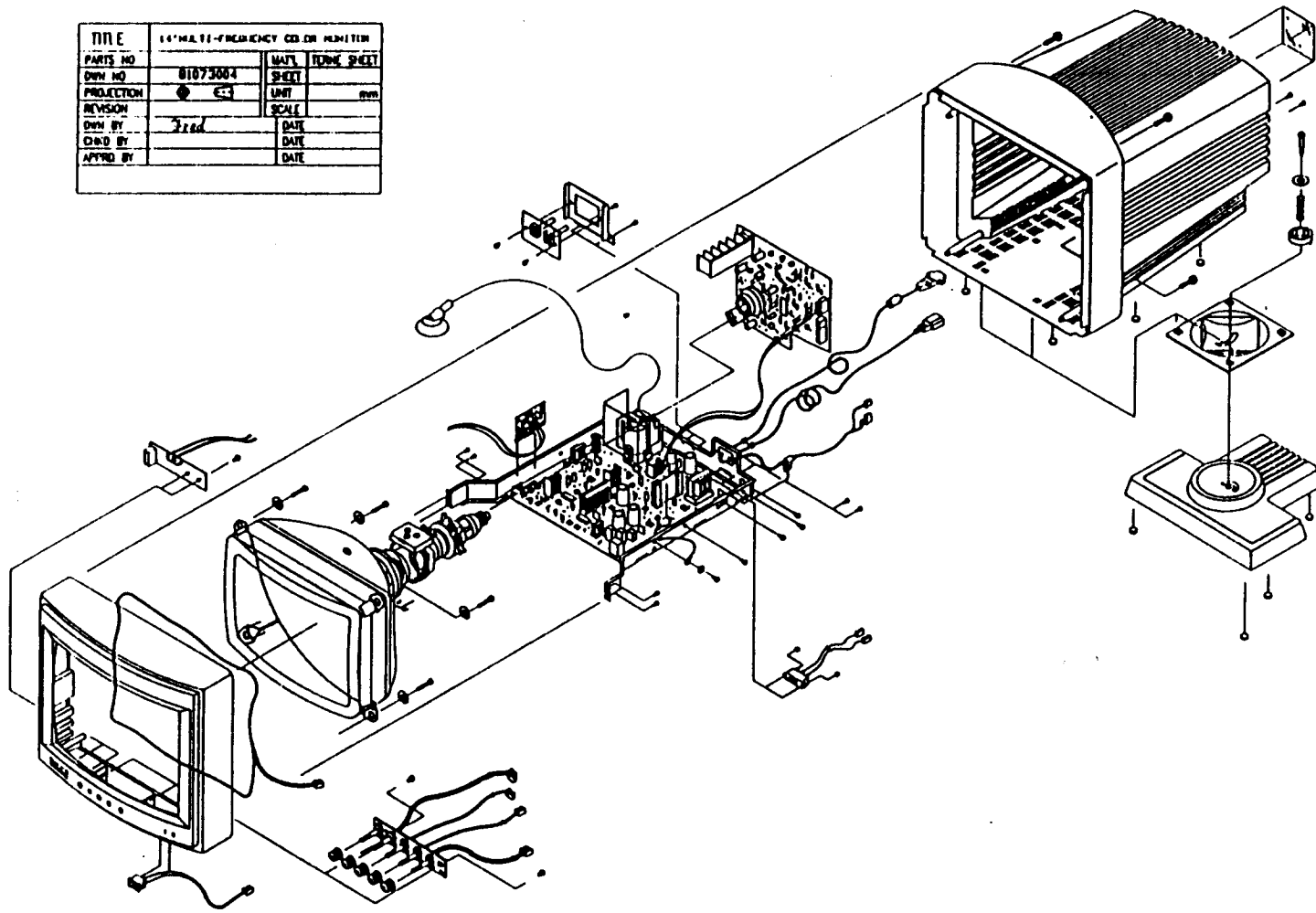
DARIUS TECHNOLOGY Ltd.

rev 10/12/93

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TITLE	14" MULTI-FREQUENCY COLOR MONITOR	
PARTS NO		MATL TONE SHEET
DWGN NO	81073004	SHEET
PROJECTION	● C-1	UNIT
REVISION		SCALE
DWGN BY	2rad	DATE
CHKD BY		DATE
APPRD BY		DATE

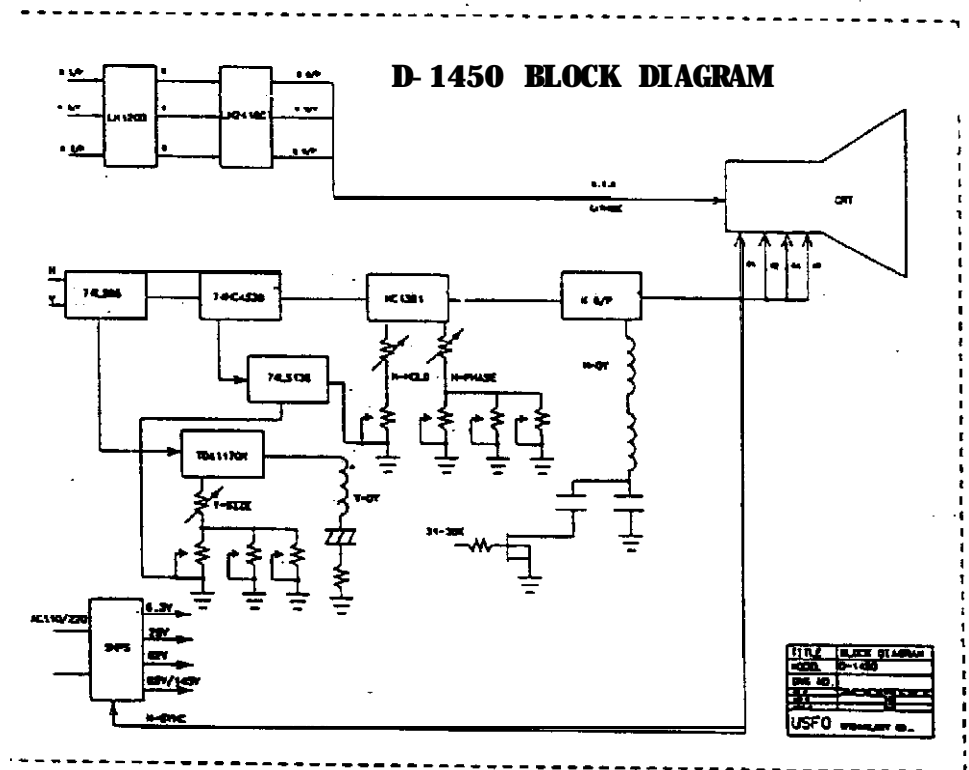


***4. CIRCUIT GUIDE

GENERAL INFORMATION

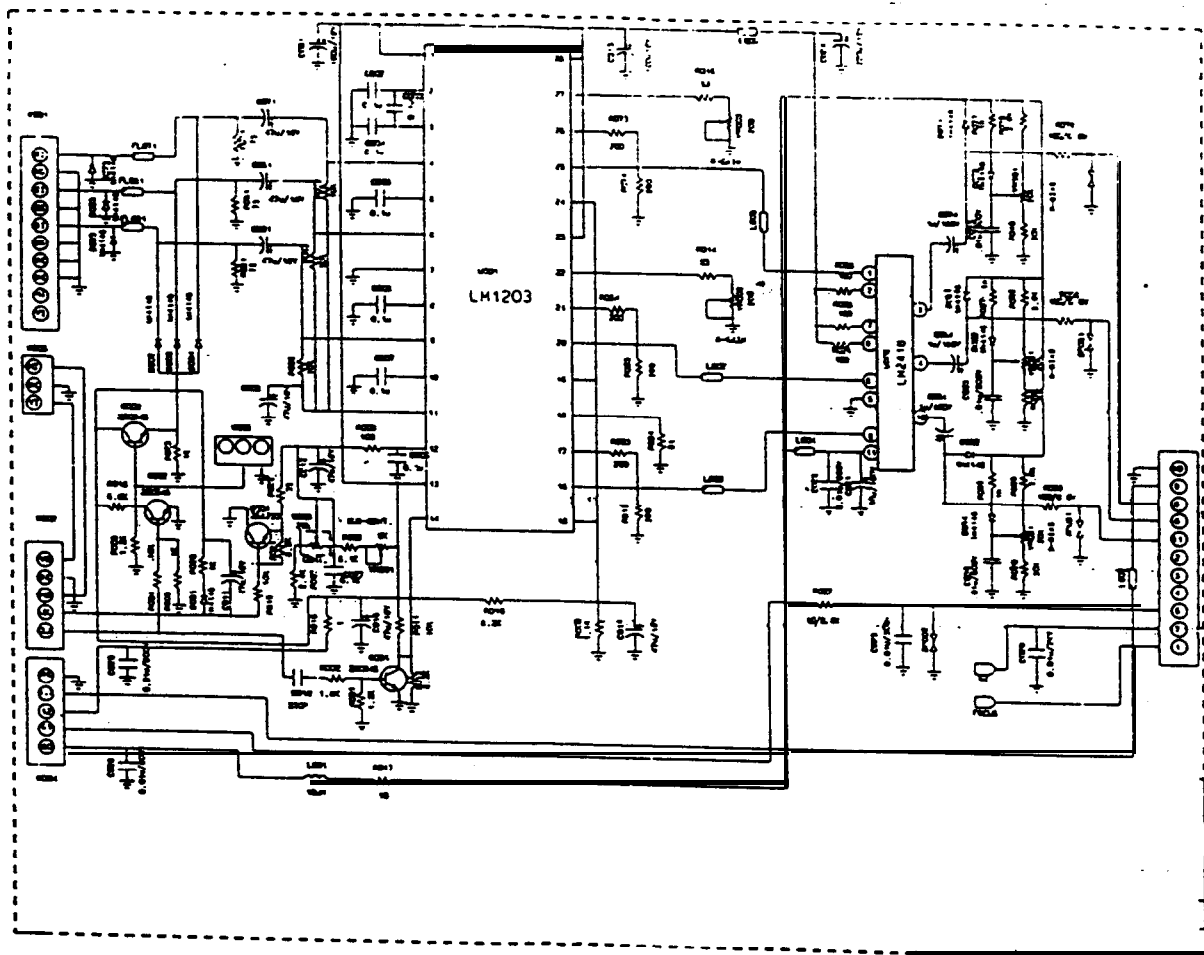
The model D-1450 is a high resolution monitor.

CIRCUIT STRUCTURE:



*** 5. CIRCUIT SCHEMATIC

• 5-1 VIDEO AMP CIRCUIT'



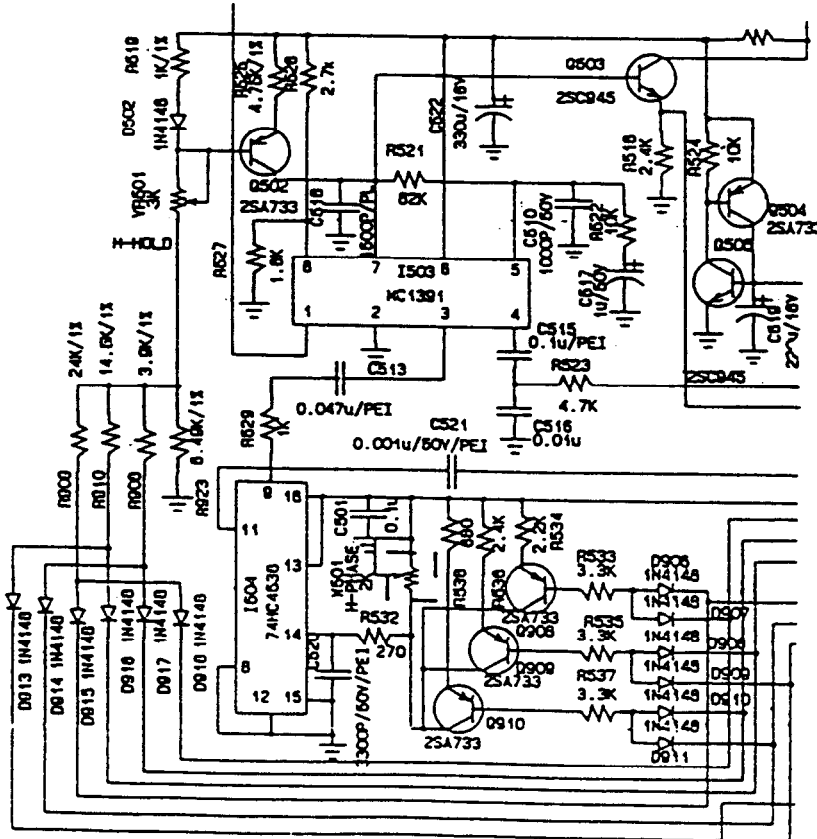
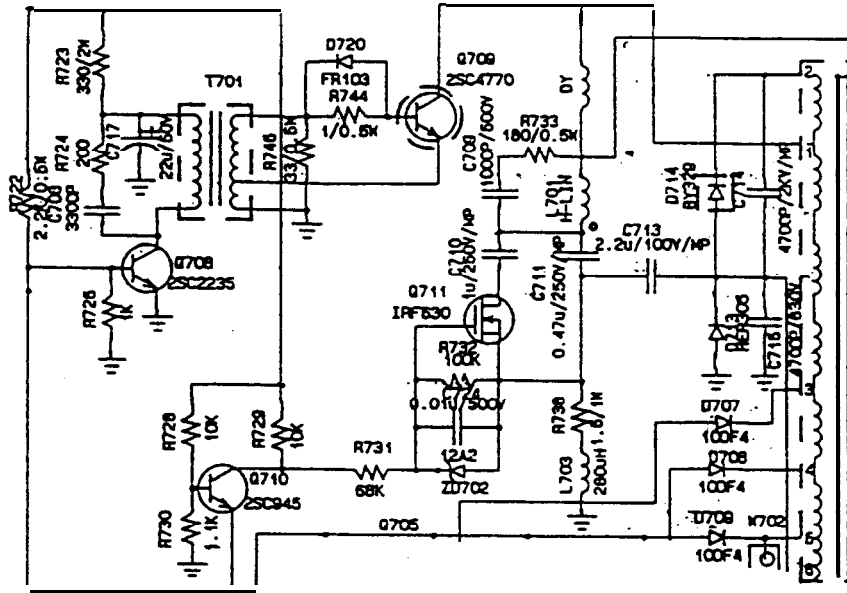
Video input is an analog signal to control the white balance by VRO03(R),VRO02(G);U001 Pin 25,20 and 16 are R.G.B output respectively ,after clamp pulse is inverted by Q001,it will provide U001 Pin 14 with a clamp pulse;the blank level voltage of U001 Pin 15,19 and 24 is provided by R009 & R010,Pin 12 with DC voltage to control contrast.

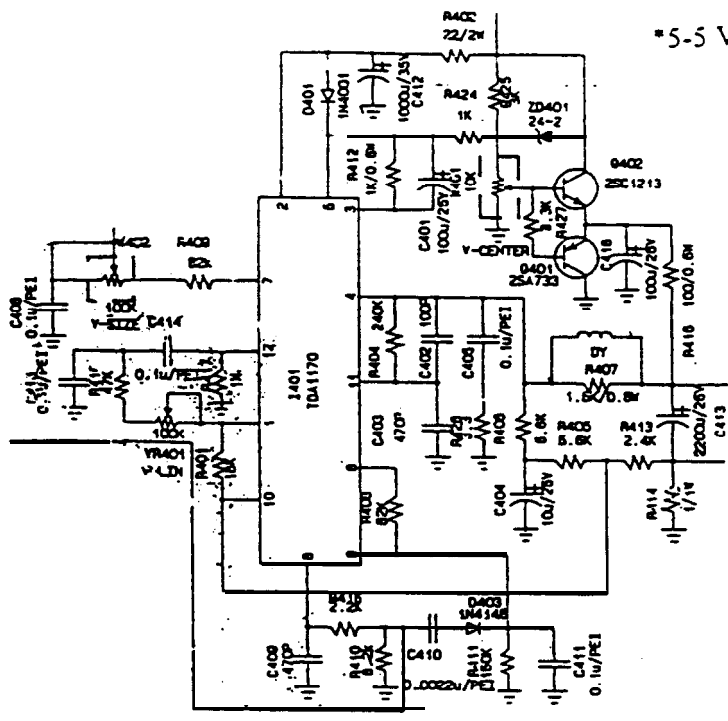
• 5-2 VIDEO CUT-OFF AND OUTPUT..

VR031,VR051 & VR081are used to adjust R.G.B. bias to control the cut-off voltage of 3 GUNS;the video output stage is composed of (U002) LM 2416T.

*5-3 HORIZONTAL DRIVE & OUTPUT CIRCUIT

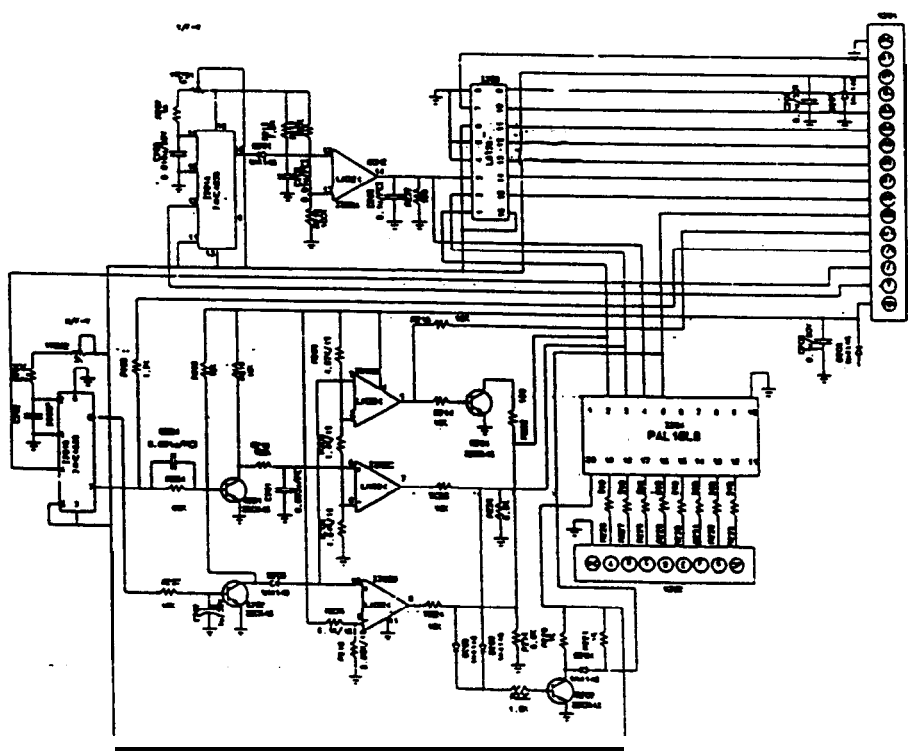
The horizontal signal is generated by Pin 1 of I503 (MC1391P) and it will be amplified via Q708 and coupled to the BASE of Q709 via T701 for provided Q709 with I current, C714, C715 are resonance capacitors whose capacitance can correct the high-voltage output, C710, C711 can correct the bad "S" distortion.





***5-5 VERTICAL OSCILLATION & OUTPUT CIRCUIT**

- Pin 1,10,12 Linearity control
- Pin 4 Output
- Pin 2 Vcc
- Pin 5,3 Pump-up
- Pin 6,9 Oscillation circuit
- Pin 7 V-SIZE Control



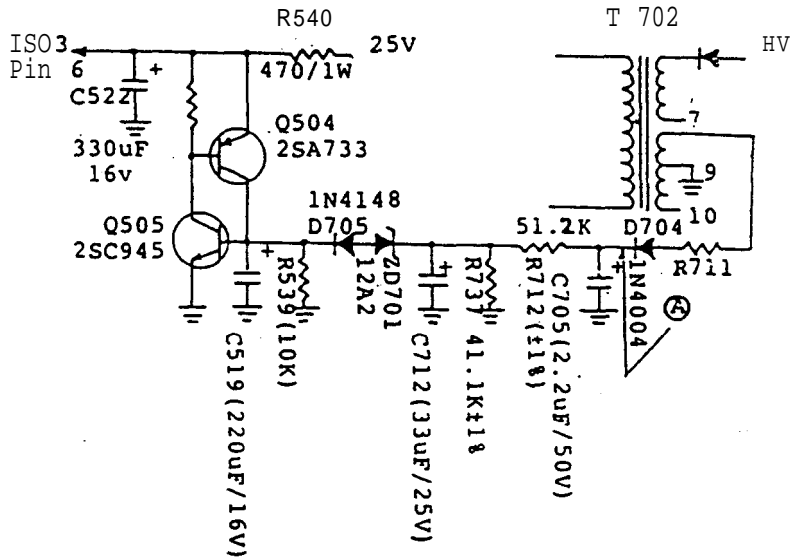
***5-6 MODE DETECTOR CIRCUIT**

There are H-SYNC & V-SYNC from 1301 to I901, I902 is Horizontal MODE detector & Vertical MODE detector, I903 is MODE decoder, It is using MODE control, I904 is LED DISPLAY IC.

***5_7 HIGH-VOLTAGE PROTECTED CIRCUIT**

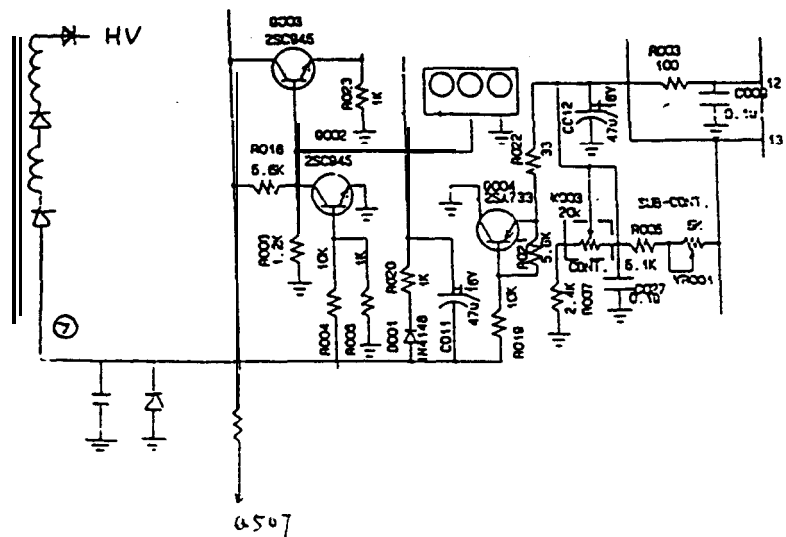
When the high voltage is 24 KV, the pulse voltage of the FBT Pin 8 is about 30 Vp-p. After the pulse is rectified and filtered via D704 & C705 and divided by R712 & R737. If the high voltage keeps increasing until 28 KV, the rectified voltage also will increase.

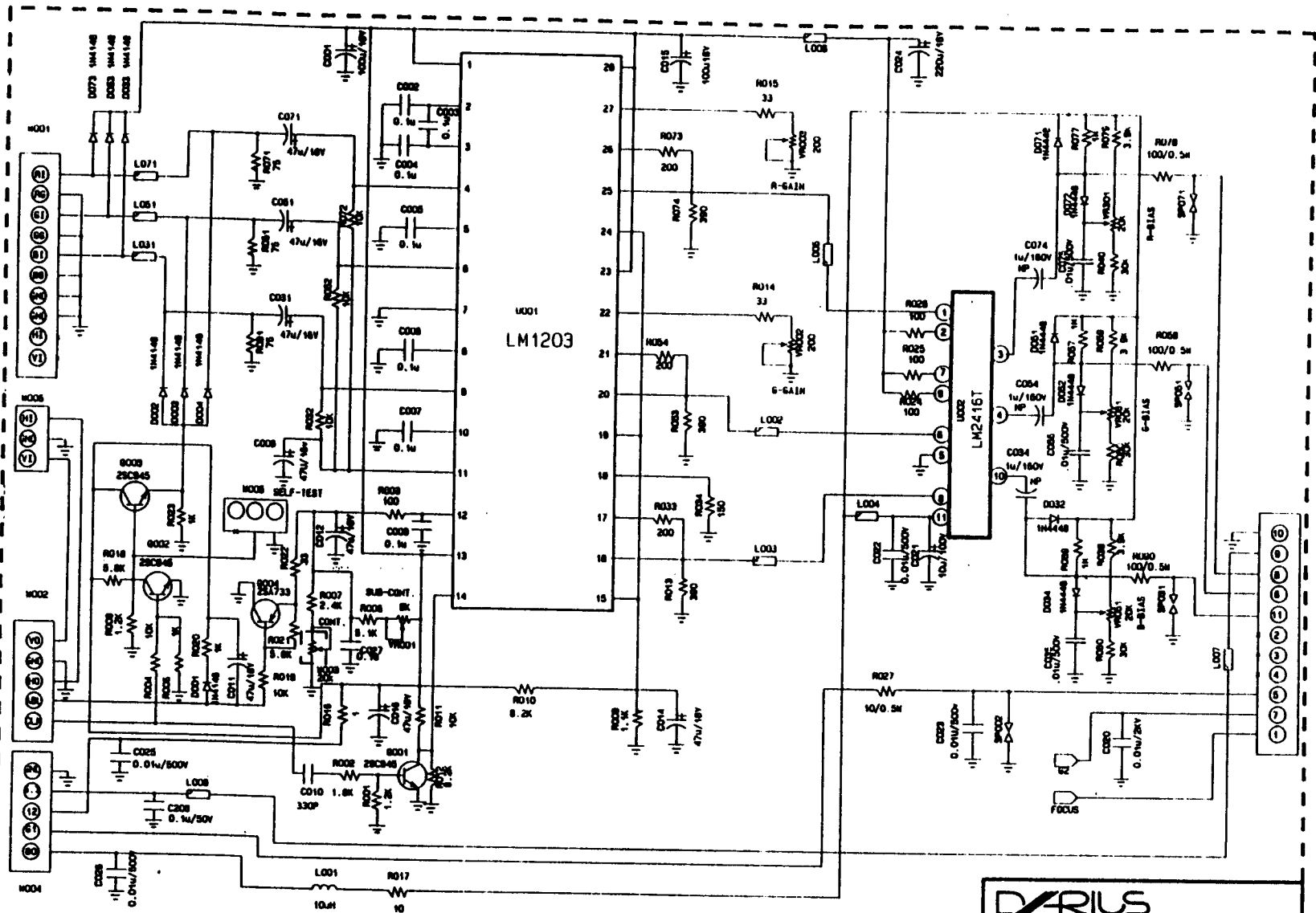
Therefore the increase voltage will turn on the Q504 & Q505. Finally the horizontal circuit stops functioning



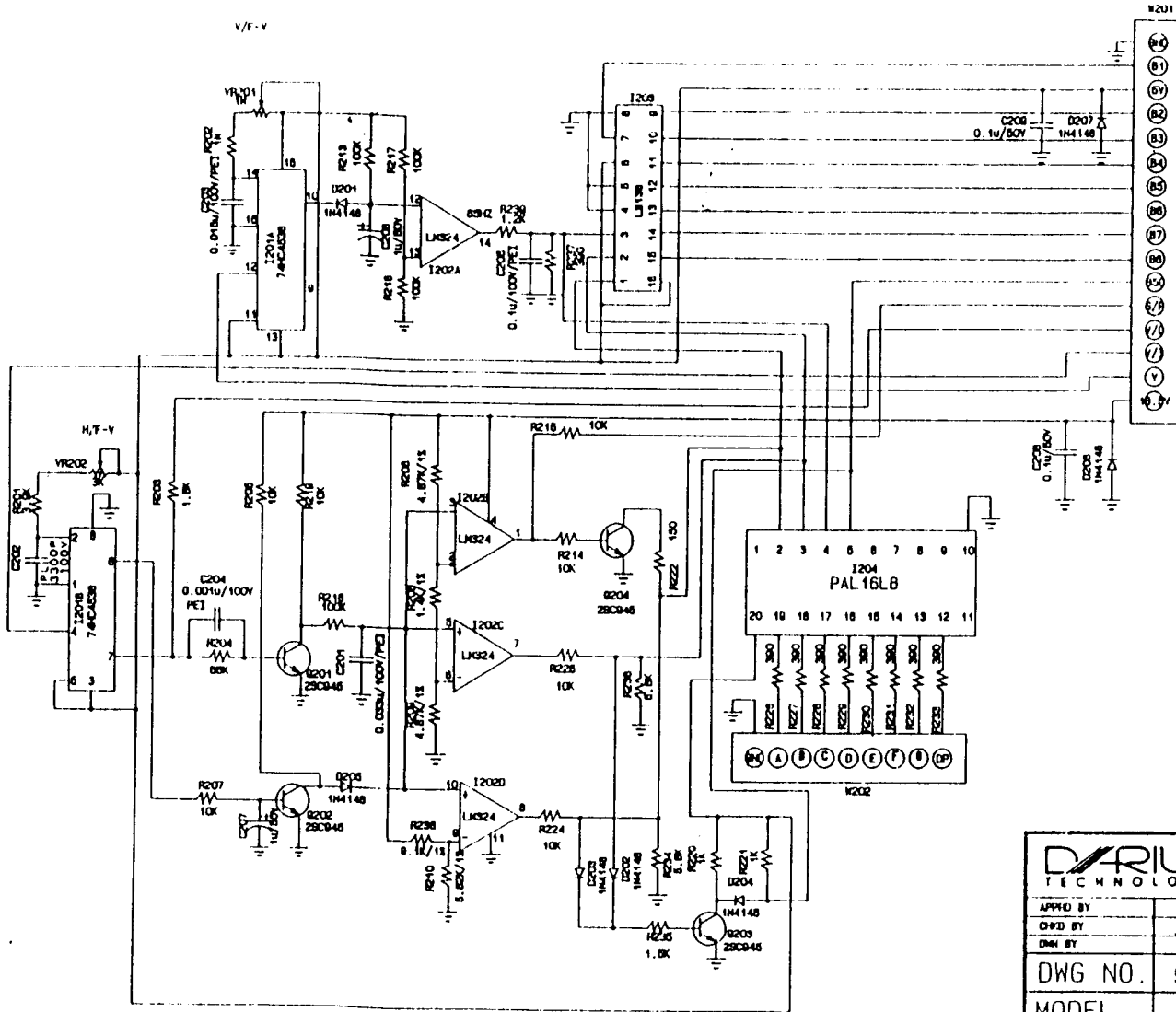
***5-8 ABL CIRCUIT**

Once brightness increase B+ must provide FBT Pin 5 with greater current (which flows to anode via high-voltage port) And then Pin 7 of FBT current will be increase, and the voltage will be decrease, after TURN ON 4004 to control U001 Pin12.

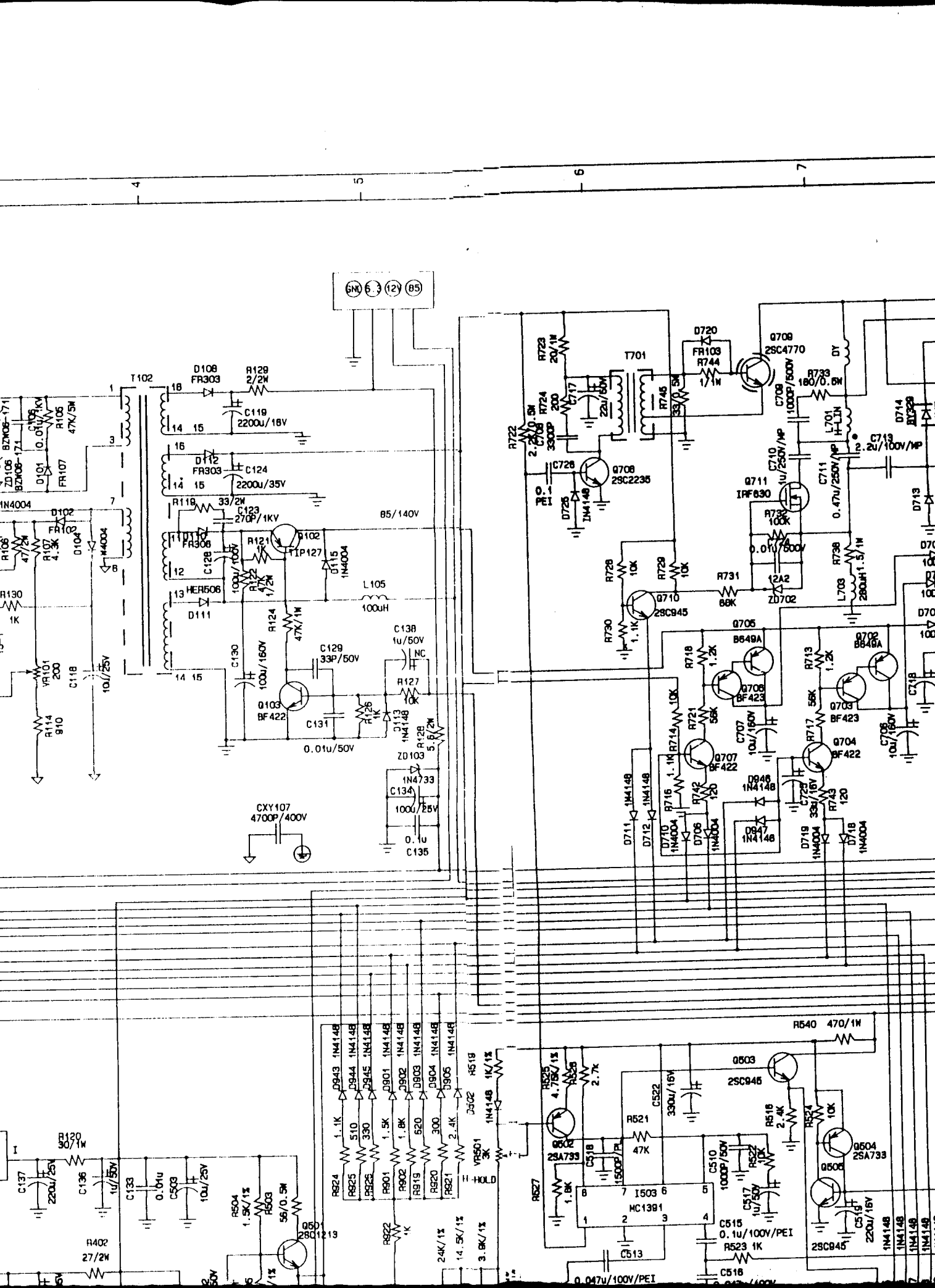




DARIUS TECHNOLOGY		
APPROV BY		DATE
CHKD BY	JOE	DATE 3/12/93
DNM BY	AMY CHANG	DATE 3/11/93
DWG NO.	5300-020-009	
MODEL	D-1450 (D-4N1)	
TITLE	VIDEO DR	



DARIUS TECHNOLOGY		
APPRO BY	DATE	
CHKD BY	DATE	3/25/93
DNW BY	DATE	3/17/93
DWG NO.	5300-021-008	
MODEL	D-1450 (D-4N1)	
TITLE	CONTROL BD	



GENERAL NOTES

1. ALL RESISTORS ARE 1/4W±5% UNLESS OTHERWISE INDICATED.
2. ALL RESISTORS ARE IN OHM AND CAPACITORS ARE IN UF UNLESS OTHERWISE INDICATED.
- 3.

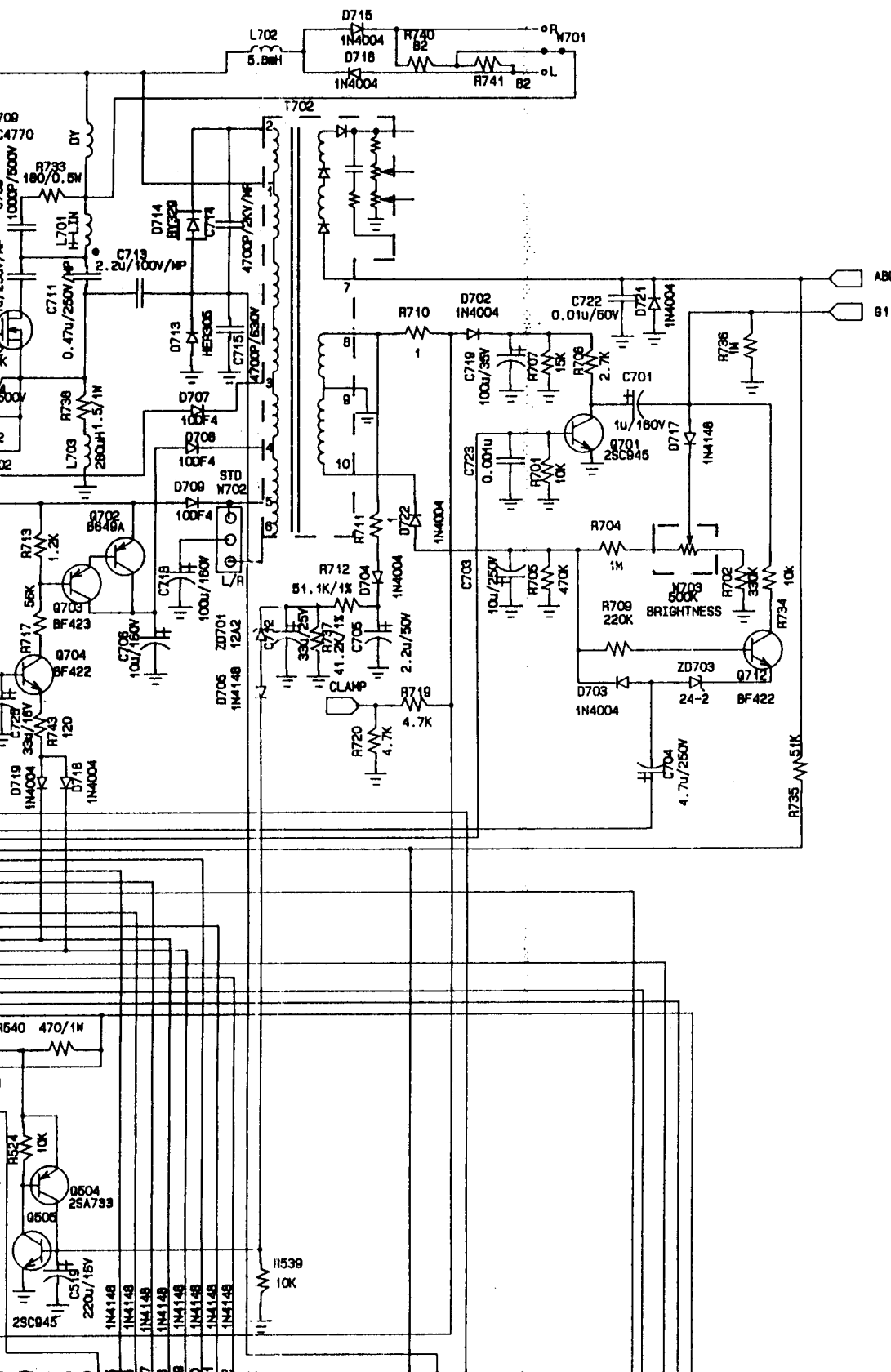
 HIGH VOLTAGE (WIRE)

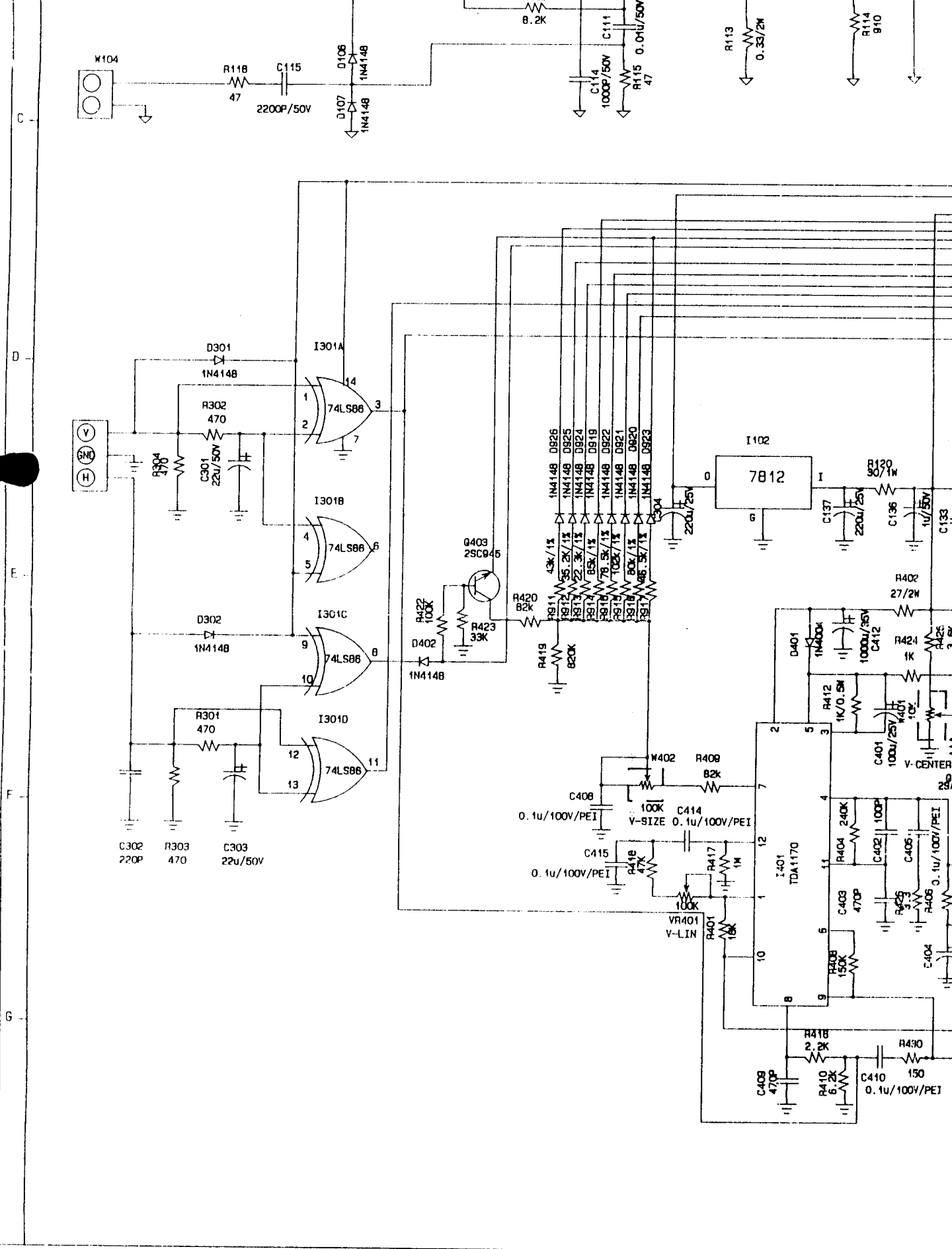
 SAFETY (WIRE)

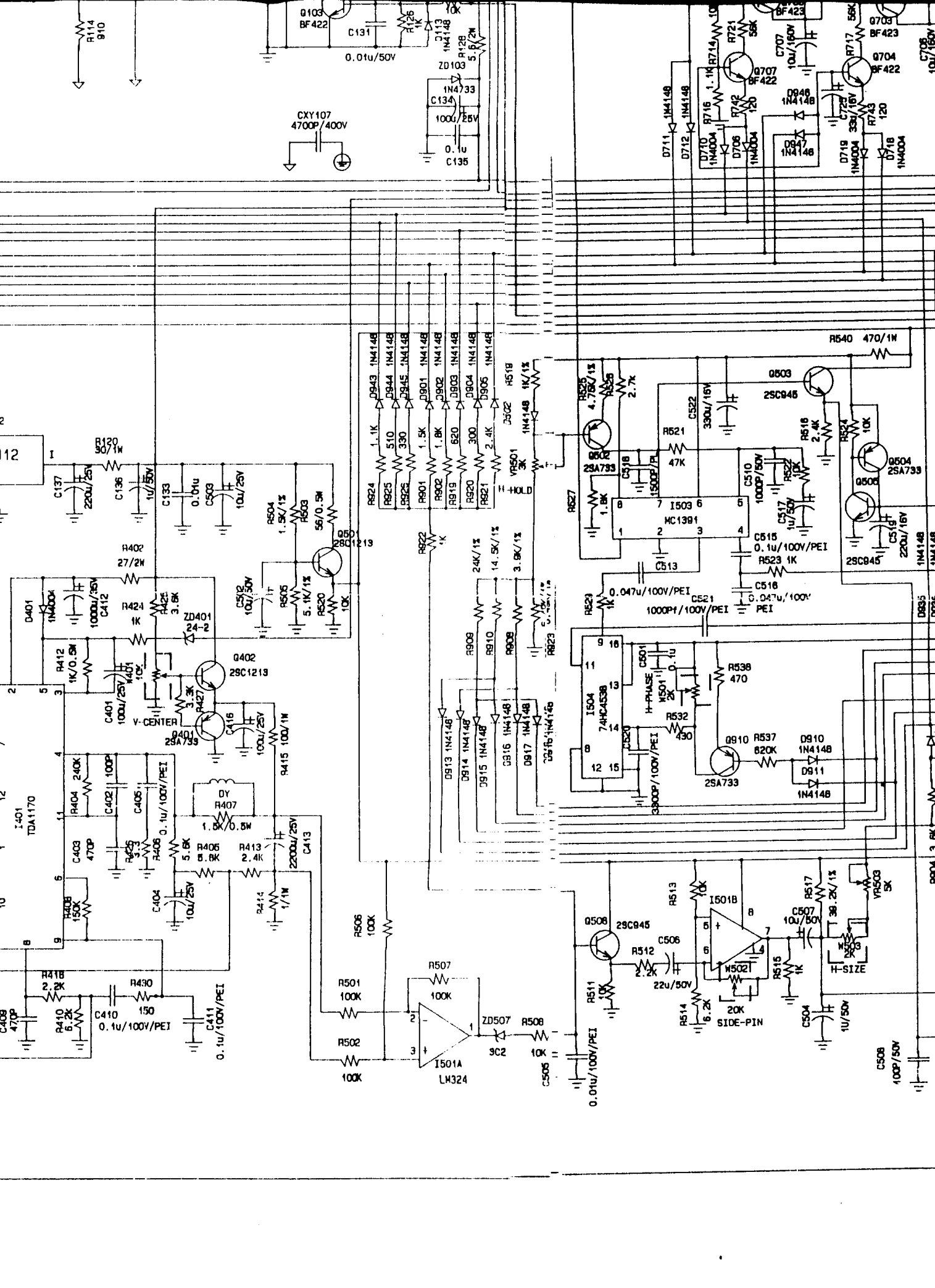
 HIGH TEMPERATURE (COMPONENT)

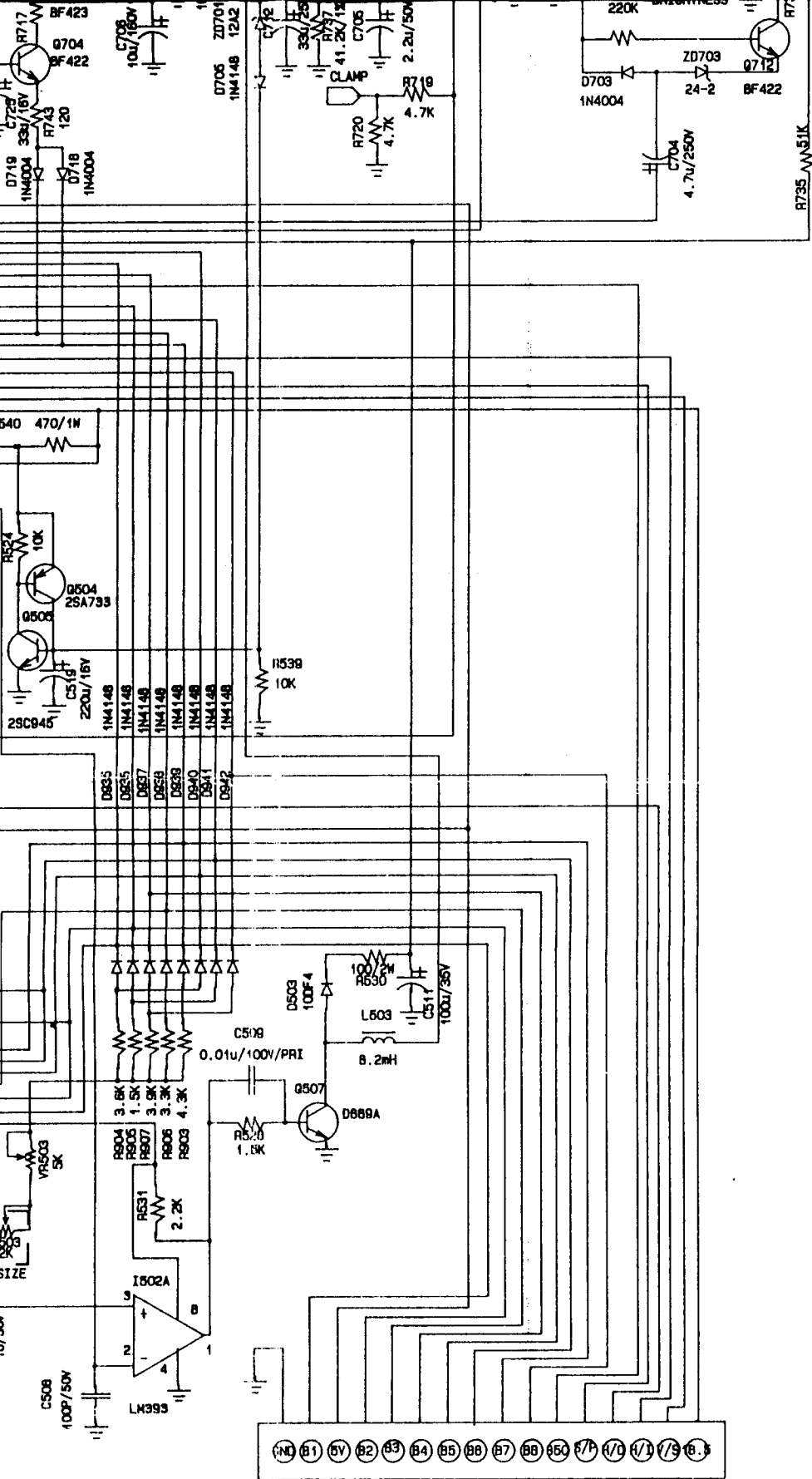
REVISIONS

5300-019-101 ;
ECN NO. E-1450-026, -027, -028 4/26/'0









TITLE	MAIN BO
MODEL	D-1450 (D-4N)
DRAWING	AMY CHANG 4/26/91
CHECKED	JOE 4/29/91 林文忠
APPROVED	gary
DWG NO.	5900-019-101

D - 1450 ALIGNMENT PROCEDURE

EQUIPMENT :

- 1 DIGITAL METER**
- 2 ALIGNMENT BAR**
- 3. DEGAUSSING COIL**
- 4. COLOR ANALYZER**
- 5. PATTERN GENERATOR**

ALIGNMENT PROCEDURE:

A. B+ADJUSTMENT

- 1. SET SIGNAL AT 31.5K(640 x 480) FULL WHITE PATTERN**
- 2. MEASUREMENT THE LOCATION [J006]**
- 3. ADJUST VR101 LET O/P VOLTAGE = $85 \pm 0.2V$**
- 4. CHECK 48K (1024 x 768) B + O/P = $140 \pm 5V$**

B. ii. F-V ADJUSTMENT (CONTROL BOARD)

- 1. SET SIGNAL AT 31.5K (640x480) CROSS HATCH PATTERN**
- 2. MEASUREMENT PIN5 OF 1902**
- 3. ADJUST VR902 LET O/P VOLTAGE = $6.8 \pm 0.2V$**

C. V-F-V ADJUSTMENT CONTROL BOARD)

- 1. SET VERT FREQ. = 65 Hz**
- 2. MEASUREMENT PM 14 OF 1902**
- 3. ADJUST VR901 LET VOLTAGE CHANGE OF PM 14 FROM 0V TO 4.5V**

D. V-LINEARITY ADJUSTMENT

- 1. SET SIGNAL AT 31.5K (640 x 480) CROSSHATCH PATTERN**
- 2. ADJUST VR401 LET THE V-LINEARITY IS BEST**

E. SIDE-PINCUSHION ADJUSTMENT

- 1. SET SIGNAL AT 31.5K (640 x 480) CROSSHATCH PATTERN**
- 2. ADJUST VR502 LET THE PINCUSHION IS BEST**

F. H-HOLD ADJUSTMENT

- 1. SET SIGNAL AT 48K (1024 x 768) CROSSHATCH PATTERN**
- 2. PUT THE EXTERNAL VR (H-PHASE) AT CENTER POINT**
- 3. LET THE PM3 OF 1503 SHORT TO GND**
- 4. ADJUST VR501 LET THE PICTURE FROM UNSTABLE TO STABLE**
- 5. TAKE OFF THE SHORT, AND CHECK THE PICTURE NORMAL OR NOT**

G. H-SIZE & Y-SIZE ADJUSTMENT

- 1. SET SIGNAL AT 31.5K (640 x 480) CROSSHATCH PATTERN**
- 2. ADJUST EXTERNAL VR (H-SIZE) LET H-SIZE= $247 \pm 3mm$**
- 3. ADJUST EXTERNAL VR (V-SIZE) LET V-SIZE= $180 \pm 3mm$**

H. WHITE BALANCE ADJUSTMENT

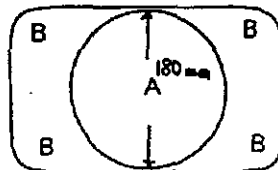
1. **WARN UP MORE THAN 25 MINS WHEN ALIGNMENT IS BEGIN**
2. **SET SIGNAL AT 3 1.5K (640 x 480) CROSSHATCH PATTERN**
3. **PUT VR031 (R-BIAS) VR081 (G-BIAS) VR051 (B-BIAS) AT THE COUNTERCLOCKWISE MAX
VR003 (R-GAIN) VR002 (G-GUN) AT CENTER POINT
CONTRAST VR AT MIN. VRO01 (SUB-CONT) AT
COUNTERCLOCKWISE MAX BRIGHTNESS VR AT MAX.
G2 (SCREEN VR) AT COUNTERCLOCKWISE MAX**
4. **ADJUST SCREEN VR (GZ) LET THE RASER A LITTLE
APPEARANCE, AND CHECK WHAT KIND OF THE COLOR
IS APPEARANCE, AND THE BIAS OF THE COLOR DON'T
ADJUST. ADJUSTMENT THE BIAS OF ANOTHER COLOR
LET $x=281\pm10$ $y=311\pm10$ $Y=0.7-1.0$ FT-L**
5. **CONTRAST VR ADJUST TO MAX.
SET SIGNAL AT 3 1.5K FULL WHITE PATTERN**
6. **ADJUST VRO03 (R-GAIN) VRO02(G-GAIN) LET
 $x=281\pm10$, $y=311\pm10$, $Y=35\pm1$ FT-L(FOR NEC CRT)
 $Y=36\pm5$ FT-L(FOR HITACHI CRT)**
7. **ADJUST CONTRAST VR LET $Y=5-25$ FT-L CHECK IS MEET
SPEC. ($x=281\pm10$, $y=311\pm10$) ORNOT.**

I. FINAL CHECK

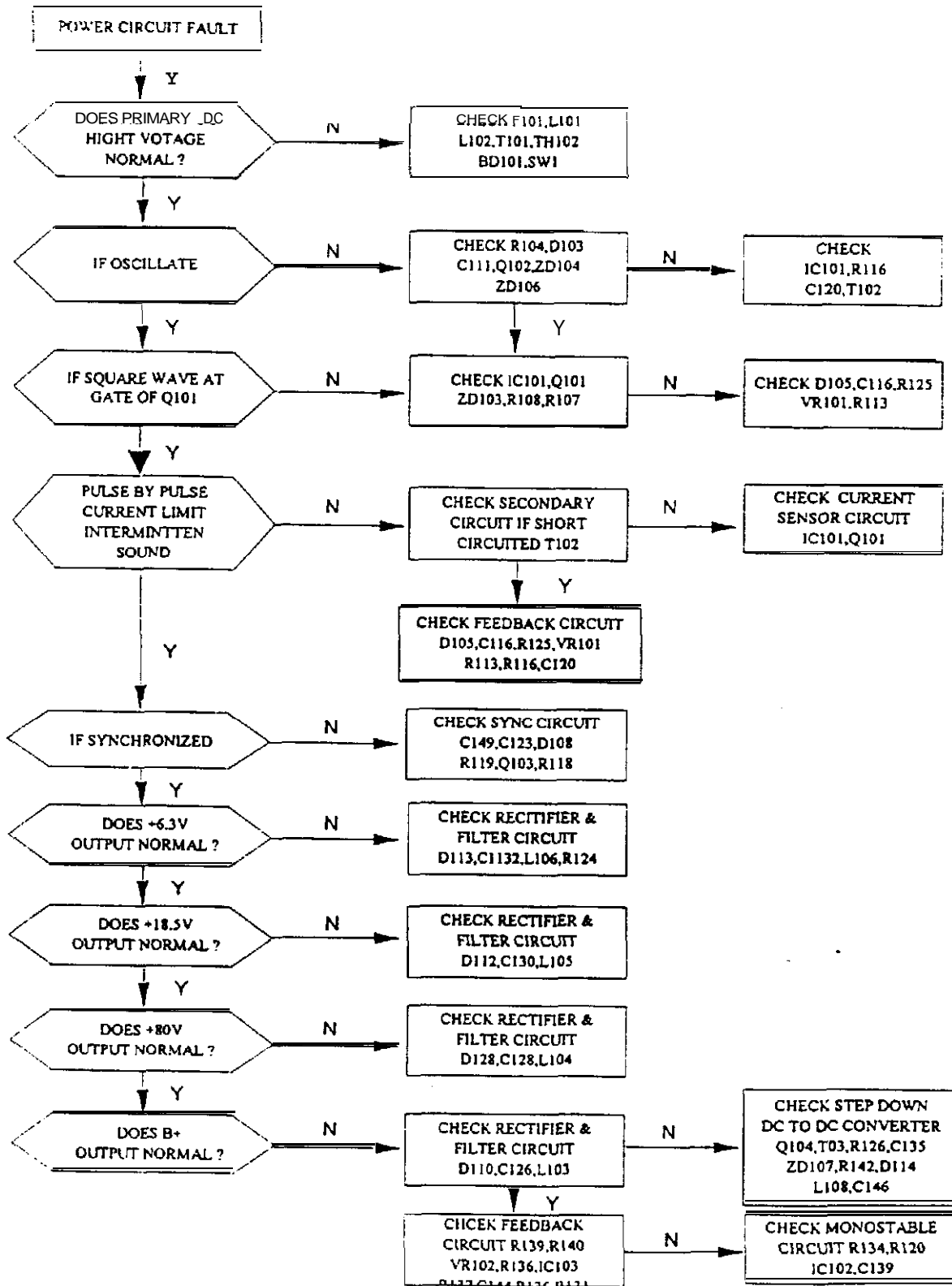
1. **CHECK EVERY MODE THE PICTURE AND LED DISPLAY
IS CORRECT OR NOT.**

J. CONVERGENCE ADJUSTMENT

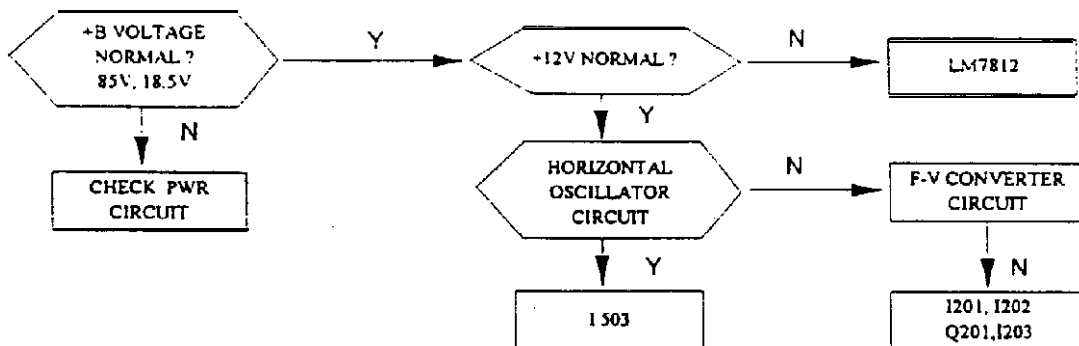
- (a) **SWITCH TIMING TO 3 1.5K CROSSHATCH PATTERN**
- (b) **ADJUSTMENT THE EXTERNAL H-SIZE AND V-SIZE TO
LET THE DISPLAY SIZE IS 245mm x 180mm.**
- (c) **ADJUST CRT MAGNETIC RING IN COMPLIANCE WITH THE
FOLLOWING CONVERGENCE SPECIFICATIONS
A=0.3mm
B=0.4mm**



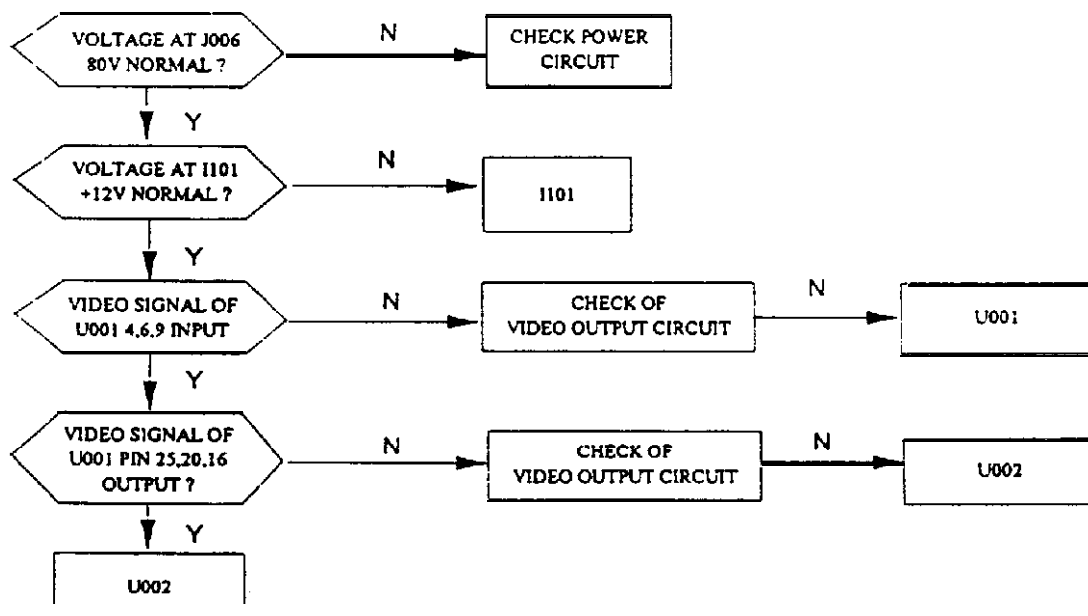
NO RASTER: TROUBLE IN THE POWER CIRCUIT



1. NO RASTER

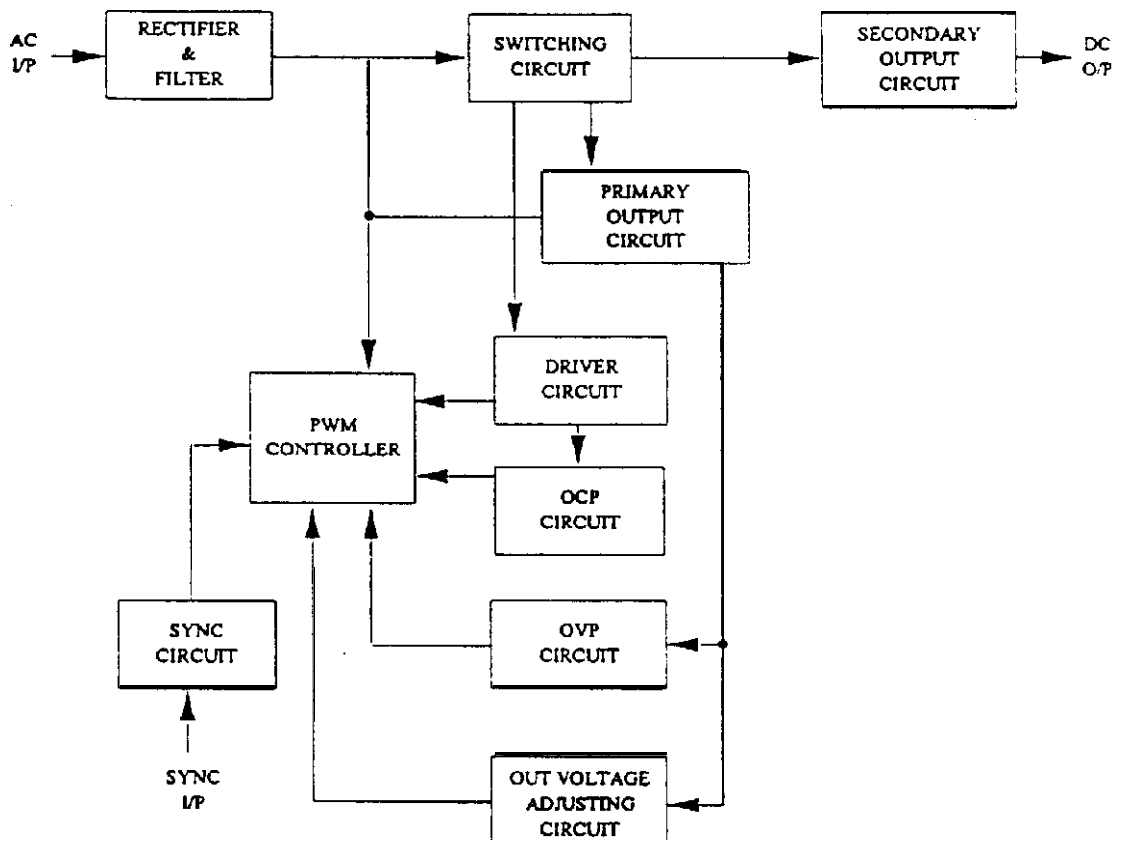


2. NO PICTURE



2.1 POWER SUPPLY CIRCUIT

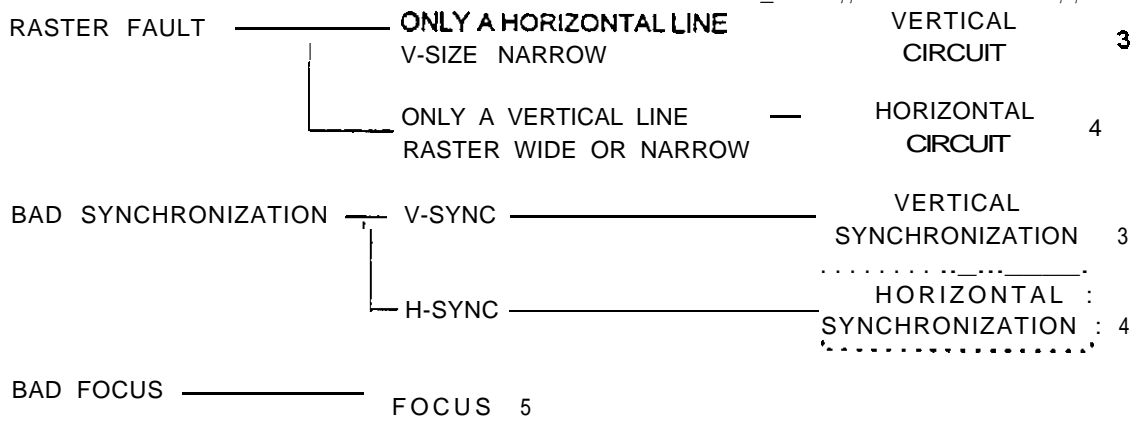
**TROUBLE SHOOTING FLOW
BLOCK DIAGRAM**



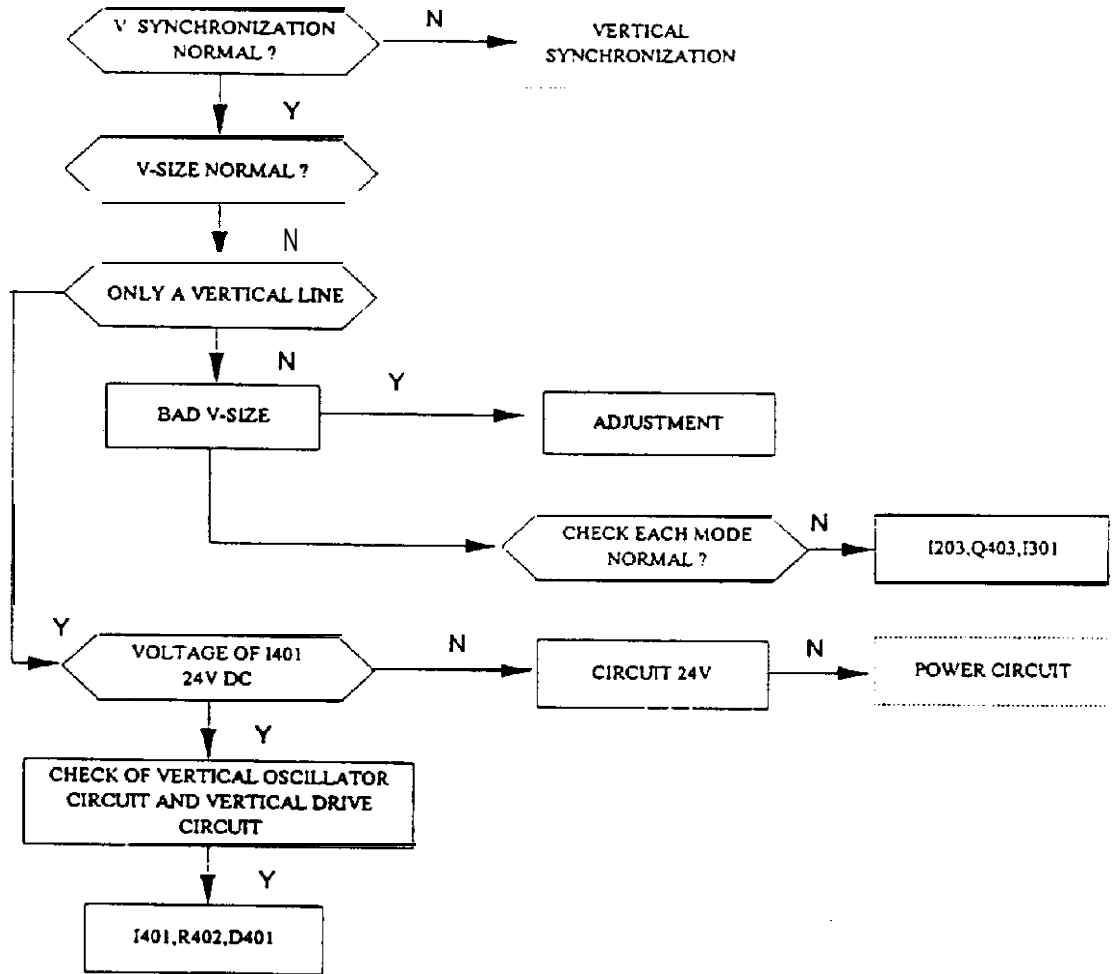
2.2 DISPLAY UNIT CIRCUIT

NO RASTER ,

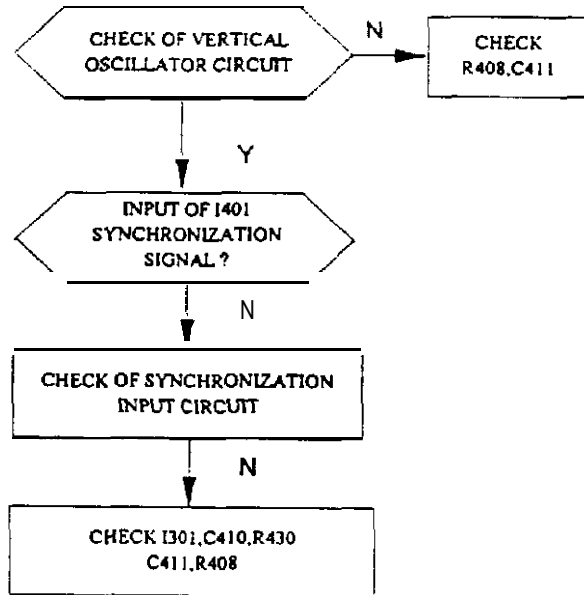
NO PICTURE 2



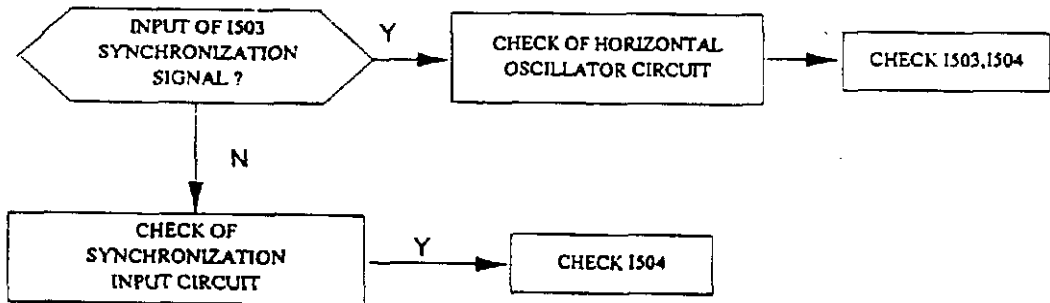
3 VERTICAL CIRCUIT



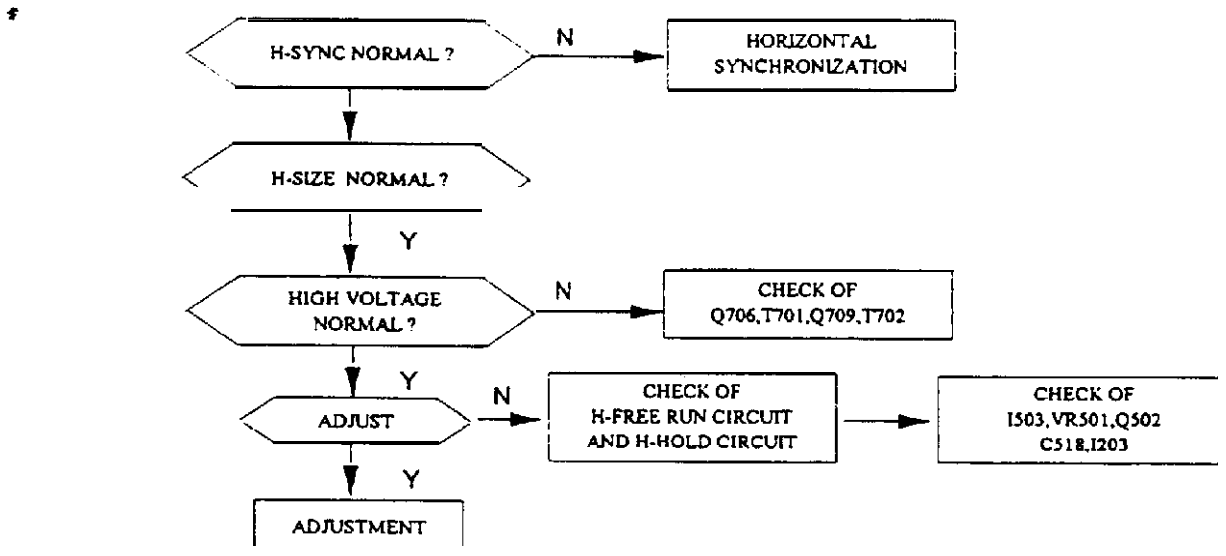
3.1 VERTICAL SYNCHRONIZATION



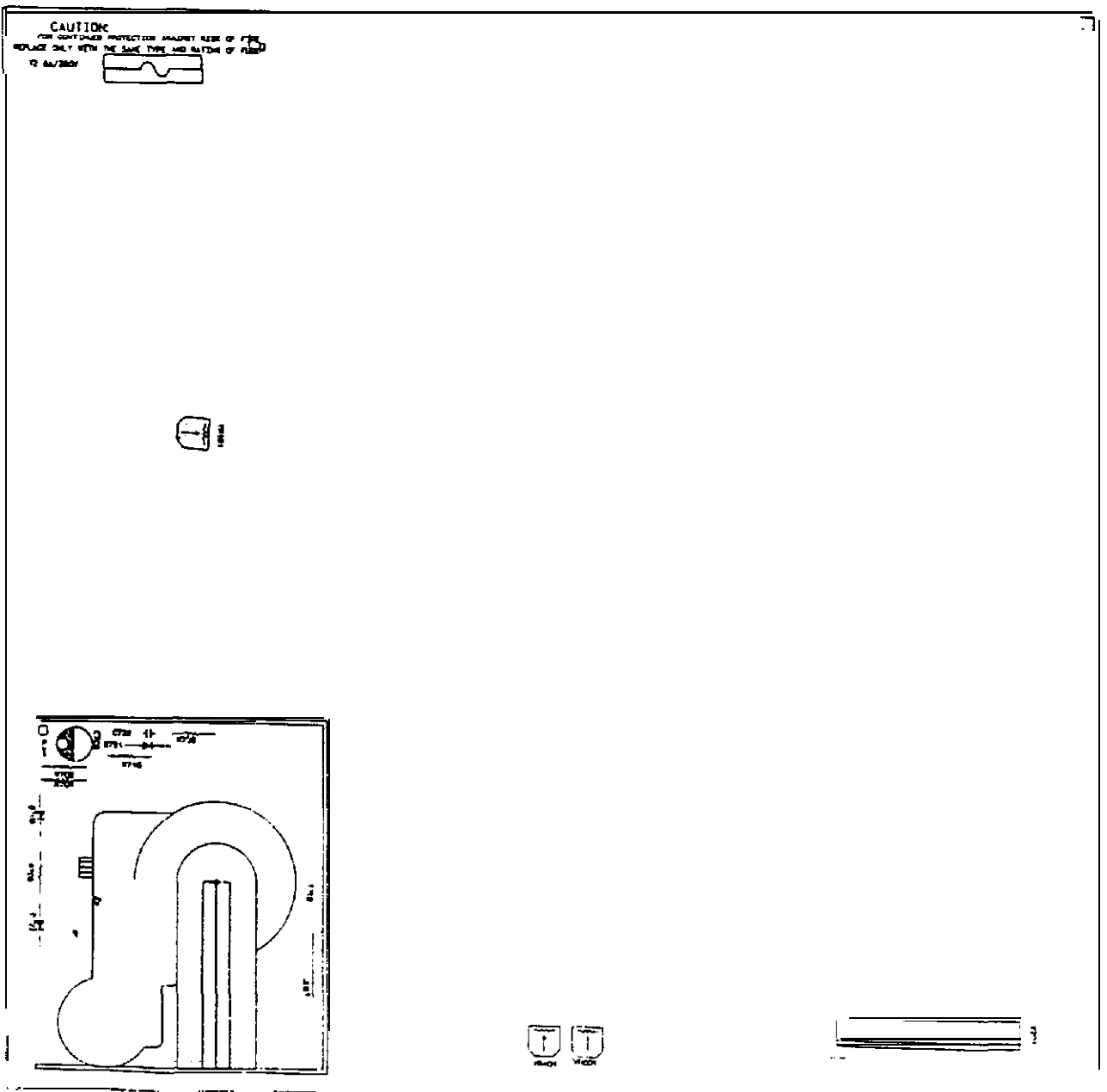
4. HORIZONTAL SYNCHRONIZATION

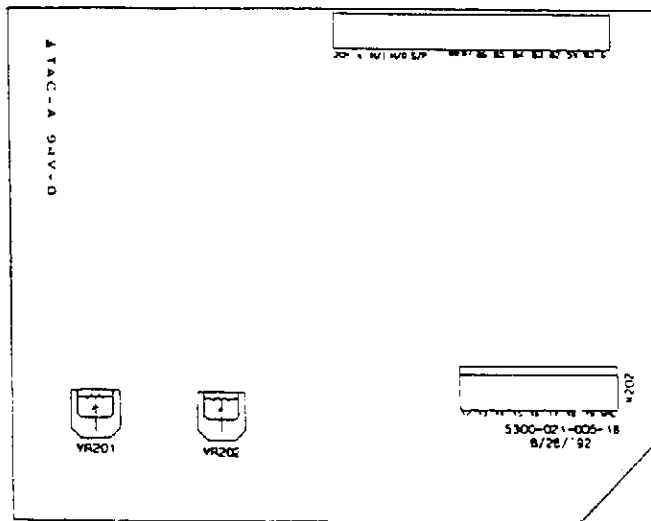
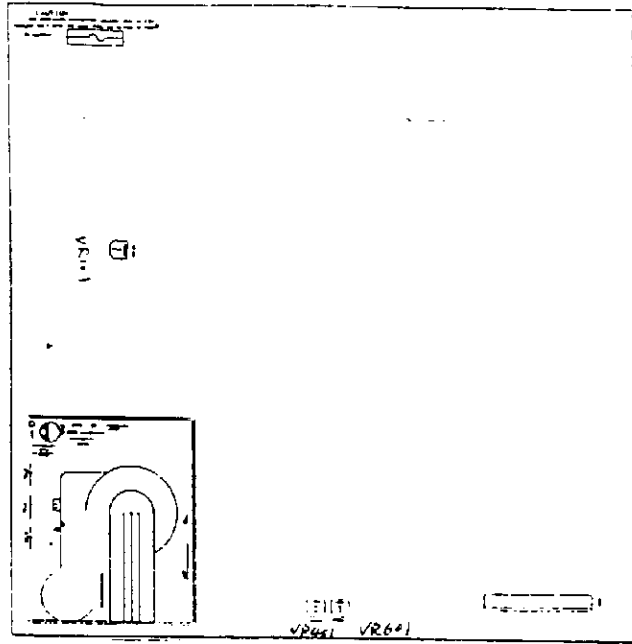


4.1 HORIZONTAL CIRCUIT

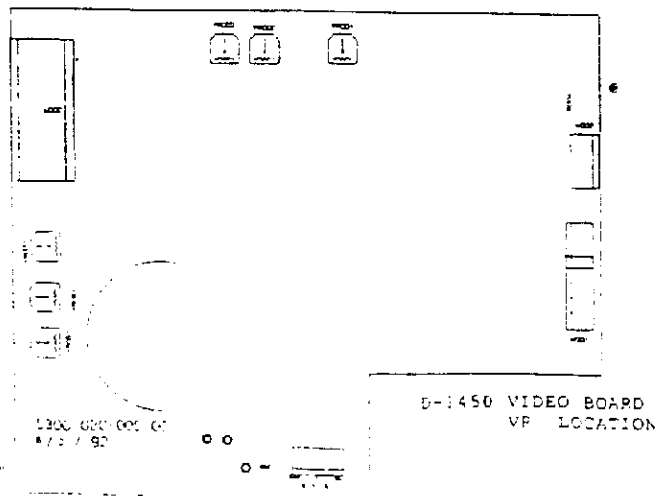


D-1450 MAIN BOARD VR LOCATION





D-1450 CONTROL BOARD VR LOCATION



D-1450 VIDEO BOARD VR LOCATION



BILL OF MATERIAL

P12

0200-012-001 D-4NI 115V UL/CSA Digital Multi-mode Color Monitor

S/N	LOCATION	PART_NO	DESCRIPTION	SPEC	LT	DATE
		ASS009 0600-006-001B2	D-1450 MAIN BD ASSY			
1	A	5424-100-011	WIRE	AWG24,#1007 BLK 110mm		
2		ASS011 0500-001-001 B1	D-1450 CONTROL BD ASSY			
3	B	5424-101-018	WIRE	AWG24,#1007 BRN 180mm		
4	BD101	3807-006-000	DIODE	BRIDGE ,RS406L		
5	BUQ101	2915-001-000	BUSHING FOR Q101			
6	C	5424-102-019	WIRE	AWG24,#1007 RED 190mm		
7	C101	2201-106-503	CAP	ELEC 105°C P=5 10uF	+/- 20% 25V	
8	C102	2249-104-905	CAP CERAMIC Z5U RADIAL	0.1uF	+80- 20 50V	
9	C106	2249-103-916	CAP CERAMIC Z5U RADIAL	0.01uF	+80~-20 1KV	
10	C107	2200-337-509	CAP	ELEC 85°C P=10 330uF	+/- 20% 200V	
11	C108	2200-337-509	CAP	ELEC 85°C P=10 330uF	+/- 20% 200V	
12	C109	2249-471-405	CAP CERAMIC Z5U RADIAL	470pF	+/- 10% 50V	
13	C110	2201-476-503	CAP	ELEC 105°C P=5 47uF	+/- 20% 25V	
14	C111	2222-103-305	CAP	MPE	0.01uF	+/- 5% 50V
15	C112	2249-104-905	CAP CERAMIC Z5U RADIAL	0.1uF	+80- 20 50V	
16	C113	2201-476-503	CAP	ELEC 105°C P=5 47uF	+/- 20% 25V	
17	C114	2249-102-505	CAP CERAMIC Z5U RADIAL	1000pF	+/- 20% 50V	
18	C115	2249-222-505	CAP CERAMIC Z5U RADIAL	2200pF	+/- 20% 50V	
19	C116	2249-103-905	CAP CERAMIC Z5U RADIAL	0.01uF	+80- 20 50V	
20	C118	2201-106-503	CAP	ELEC 105°C P=5 10uF	+/- 20% 25V	
21	C119	2201-228-502	CAP	ELEC 105°C P=5 2200uF	+/- 20% 16V	
22	C122	2249-473-513	CAP	CERAMIC	0.047uF	+/-20% 500V
23	C123	2249-271-416	CAP CERAMIC Z5U RADIAL	270pF	+/- 10% 1KV	
24	C124	2201-228-504	CAP	ELEC 105°C P=7.5 2200uF	+/- 20% 35V	
25	C128	2201-107-507	CAP	ELEC 105°C P=5 100uF	+/- 20% 100V	
26	C129	2249-330-405	CAP CERAMIC Z5U RADIAL	33pF	+/- 10% 50V	
27	C130	2201-107-508	CAP	ELEC 105°C P=7.5 100uF	+/- 20% 160V	
28	C131	2249-103-905	CAP CERAMIC Z5U RADIAL	0.01uF	+80- 20 50V	
29	C134	2201-107-503	CAP	ELEC 105°C P=5 100uF	+/- 20% 25V	
30	C135	2249-104-905	CAP CERAMIC Z5U RADIAL	0.1uF	+80- 20 50V	



BILL OF MATERIAL

P13

0200-012-001 D-4NI 115V UL/CSA Digital Multi-mode Color Monitor

S/N	LOCATION	PART_NO	DESCRIPTION	SPEC	LT	DAT
31	C136	2201-105-505	CAP	ELEC 105°C P=5 1uF	+/- 20% 50V	
32	C137	2201-227-503	CAP	ELEC 105°C P=5 220uF	+/- 20% 25V	
33	C139	2249-103-916	CAP CERAMIC Z5URADIAL	0.01uF	+80~-20KV	
34	C140	2249-103-916	CAP CERAMIC Z5URADIAL	0.01uF	+80~-20KV	
35	C141	2249-103-513	CAP CERAMIC Z5URADIAL	0.01uF	+/- 20% 500V	
36	C142	2249-103-513	CAP CERAMIC Z5URADIAL	0.01uF	+/- 20% 500V	
37	C301	2200-226-502	CAP	ELEC 85°C P=5 22uF	+/- 20% 16V	
38	C302	2249-221-405	CAP CERAMIC Z5URADIAL	220pF	+/- 10% 50V	
39	C303	2200-226-502	CAP	ELEC 85°C P=5 22uF	+/- 20% 16V	
40	C304	2200-227-503	CAP	ELEC 85°C P=5 220uF	+/- 20% 25V	
41	C401	2200-107-503	CAP	ELEC 85°C P=5 100uF	+/- 20% 25V	
42	C402	2249-101-405	CAP CERAMIC Z5URADIAL	100pF	+/- 10% 50V	
43	C403	2249-471-405	CAP CERAMIC Z5URADIAL	470pF	+/- 10% 50V	
44	C404	2200-106-503	CAP	ELEC 85°C P=5 10uF	+/- 20% 25v	
45	C405	2220-104-307	CAP	PEI	0.1uF +/- 5% 100V	
46	C408	2220-104-307	CAP	PEI	0.1uF +/- 5% 100V	
47	C409	2249-471-405	CAP CERAMIC Z5URADIAL	470pF	+/- 10% 50V	
48	C410	2220-104-307	CAP	PEI	0.1uF +/- 5% 100V	
49	C411	2220-104-307	CAP	PEI	0.1uF +/- 5% 100V	
50	C412	2200-108-504	CAP	ELEC 85°C P=5 1000uF	+/- 20% 35V	
51	C413	2200-228-503	CAP	ELEC 85°C P=7.5 2200uF	+/- 20% 25V	
52	C414	2220-104-307	CAP	PEI	0.1uF +/- 5% 100V	
53	C415	2220-104-307	CAP	PEI	0.1uF +/- 5% 100V	
54	C416	2200-107-503	CAP	ELEC 85°C P=5 100uF	+/- 20% 25V	
55	C501	2249-104-905	CAP CERAMIC Z5URADIAL	0.1uF	+80- 20 50V	
56	C502	2200-106-503	CAP	ELEC 85°C P=5 10uF	+/- 20% 25V	
57	C503	2200-106-503	CAP	ELEC 85°C P=5 10uF	+/- 20% 25V	
58	C504	2200-105-505	CAP	ELEC 85°C P=5 1uF	+/- 20% 50V	
59	C505	2220.103.307	CAP	PEI	0.01uF +/- 5% 100V	
60	C506	2200-226-505	CAP	ELK 85°C P=5 22uF	+/- 20% snv	
61	C507	2200-106-503	CAP	ELEC 85°C P=5 10uF	+/- 20% 25"	



BILL OF MATERIAL

P14

0200-012-001 D-4N115V UL/CSA Digital Multi-mode Color Monitor

S/N	LOCATION	PART NO	DESCRIPTION	SPEC	LT DATI
62	C508	2249-101-405	CAP CERAMIC Z5U RADIAL	100pF +/- 10% 50V	
63	C509	2220-103-307	CAP PEI	0.01uF +/- 5% 100V	
64	C510	2249-102-505	CAP CERAMIC Z5U RADIAL	1000pF +/- 20% 50V	
65	C511	2200-107-504	CAP ELEC 85°C P=5	100uF +/- 20% 35v	
66	C512	2249-101-405	CAP CERAMIC Z5U RADIAL	100pF +/- 10% 50V	
67	C513	2220-473-307	CAP PEI	0.047uF +/- 5% 100V	
68	C515	2220-104-307	CAP PEI	0.1uF +/- 5% 100V	
69	C516	2220-473-307	CAP PEI	0.047uF +/- 5% 100V	
70	C517	2200-105-505	CAP ELEC 85°C P=5	1uF +/- 20% 50V	
71	C518	2259-152-307	CAP PL P=5	1500pF +/- 5% 100V	
72	C519	2200-227-502	CAP ELEC 85°C P=5	220uF +/- 20% 16V	
73	C520	2220-332-307	CAP PEI	3300pF +/- 5% 100V	
74	C521	2220-102-307	CAP PEI	1000pF +/- 5% 100V	
75	C522	2200-337-502	CAP ELEC 85°C P=5	330uF +/- 20% 16V	
76	C701	2200-105-508	CAP ELEC 85°C P=5	1uF +/- 20% 160V	
77	C703	2200-106-510	CAP ELEC 85°C P=5	10uF +/- 20% 250V	
78	C704	2200-475-510	CAP ELEC 85°C P=5	4.7uF +/- 20% 250V	
79	C705	2200-225-505	CAP ELEC 85°C P=5	2.2uF +/- 20% 50V	
80	C706	2200-106-508	CAP ELEC 85°C P=5	10uF +/- 20% 160V	
X1	C707	2200-106-508	CAP ELEC 85°C P=5	10uF +/- 20% 160V	
82	C708	2249-332-505	CAP CERAMIC Z5U RADIAL	3300pF +/- 20% 50v	
x3	C709	2249-102-513	CAP CERAMIC Z5U RADIAL	1000pF +/- 20% 500V	
84	C710	2226-105-310	CAP MPF P=20	1uF +/- 5% 250V	
x5	C711	2226-474-310	CAP MPF P=21	0.47uF +/- 5% 250V	
86	C712	2200-336-505	CAP ELEC 85°C P=5	33uF +/- 20% 50V	
87	C713	2226-225-307	CAP MPF P=25	2.2uF +/- 5% 100V	
88	C714	2226-472-320	CAP MPF P=20	4700pF +/- 5% 2KV	
89	C715	2225-472-314	CAP PPN	4700pF +/- 5% 630V	
90	C717	2200-226-505	CAP ELEC 85°C P=5	22uF +/- 20% 50V	
91	C718	2200-107-508	CAP ELEC 85°C P=7.5	100uF +/- 20% 160V	
92	C719	2200-107-504	CAP ELEC 85°C P=5	100uF +/- 20% 35V	



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S/N	LOCATION	PART_NO	DESCRIPTION	SPEC	LT DAT
93	C722	2249-102-505	CAP CERAMIC Z5U RADIAL	0.001uF +/- 20% 50V	
94	cl23	2249-102-505	CAP CERAMIC Z5U RADIAL	1000pF +/- 20% 50V	
95	C724	2249-103-513	CAP CERAMIC Z51.J RADIAL	0.01uF +/- 20% 500V	
96	C725	2200-336-502	CAP ELEC 85°C P=5	33uF +/- 20% 16V	
97	C726	2220-104-307	PEI 0.1uF +/-5% 100V		
9x	Cxy101	2227-103-510	CAP x CAP P=10	0.01uF +/- 20% 250VAC	
99	Cxy102	2227-224-510	CAP x CAP P=10	0.22uF +/- 20% 250VAC	
100	Cxy103	2228-472-512	CAP Y CAP P=10	4700pF +/- 20% 400VAC	
101	Cxy104	2228-472-512	CAP ('A') Y CAP P=10	4700pF +/- 20% 400VAC	
102	Cxy107	222x-412-512	CAP Y CAP P=10	4700pF +/- 20% 400VAC	
103	Cxy109	222x-472-512	CAP Y CAP P=10	4700pF +/- 20% 400VAC	
104	Cxy110	2226472-512	CAP Y CAP P=10	4700pF +/- 20% 400VAC	
105	D	5424-100-022	WIRE AWG124,#1007 WHT 225mm		
106	D101	3802-007-000	DIODE FAST RECOVERY FR107		
107	D102	3802-002-000	DIODE FAST RECOVERY FR102		
108	D103	3800-004-000	DIODE SILICON, IN4004		
in9	D104	3802-002-000	DIODE FAST RECOVERY FR102		
110	D106	3801-001-000	DIODE 1N4148		
111	D107	3801-001-000	DIODE 1N4148		
112	D108	3802-024-000	DIODE FAST RECOVER. FR303		
113	D110	3x02-027-000	DIODE FAST RECOVER, FR306		
114	D111	3804-030-000	DIODE HIGH EFFICIENCY, HER506		
115	D112	3802-024-000	DIODE FAST RECOVER, FR303		
116	D113	3801-001-000	DIODE 1N4148		
117	D115	3800-004-000	DIODE SILICON, IN4004		
118	D116	3800-020-000	DIODE SILICON, RL206		
119	D117	3800-020-000	DIODE SILICON, RL206		
120	D301	3801-001-000	DIODE 1N4148		
121	D302	3801-001-000	DIODE 1N4148		
122	D401	3800-004-000	DIODE SILICON, IN4004		
123	D402	3801-001-000	DIODE 1N4148		



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S/N	LOCATION	PART_NO		DESCRIPTION	SPEC	LT DAT
124	D502	3801-001-000	DIODE	1N4148		
125	D503	3802-031-000	DIODE	FAST RECOVERY, 10DF4		
126	D702	3800-004-000	DIODE	SILICON, 1N4004		
127	D703	3800-004-000	DIODE	SILICON, 1N4004		
128	D704	3800-004-000	DIODE	SILICON, 1N4004		
129	D705	3801-001-000	DIODE	1N4148		
130	D706	3800-004-000	DIODE	SILICON, 1N4004		
131	D707	3802-031-000	DIODE	FAST RECOVERY, 10DF4		
132	D708	3802-031-000	DIODE	FAST RECOVERY, 10DF4		
133	D709	3802-031-000	DIODE	FAST RECOVERY, 10DF4		
134	D710	3800-004-000	DIODE	SILICON, 1N4004		
135	D711	3801-001-000	DIODE	1N4148		
136	11712	3801-001-000	DIODE	1N4148		
137	D713	3804-021-000	DIODE	11ER305		
138	D714	3806-005-000	DIODE	DD 54RC		
139	D715	3x110-004-11110	DIODE	SILICON, 1N4004		
140	D716	3800-004-000	DIODE	SILICON, 1N4004		
141	D717	3801-001-000	DIODE	1N4148		
142	D718	3800-004-000	DIODE	SILICON, 1N4004		
143	D719	3800-004-000	DIODE	SILICON, 1N4004		
144	D720	3802-003-000	DIODE	FAST RECOVERY FR103		
145	D721	3800-004-000	DIODE	SILICON, 1N4004		
146	D722	3800-004-000	DIODE	SILICON, 1N4004		
147	D725	3801-001-000	DIODE	1N4148		
148	D901	3801-001-000	DIODE	1N4148		
149	D902	3801-001-000	DIODE	1N4148		
150	D903	3801-001-000	DIODE	1N4148		
151	D904	3801-001-000	DIODE	1N4148		
152	D905	3x01-0111-1100	DIODE	1N4148		
153	D906	3801-001-000	DIODE	1N4148		
154	D907	3801-001-000	DIODE	1N4148		



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S/N	LOCATION	PART_NO	DESCRIPTION	SPEC	LT DATE
155	D908	3801-001-000	DIODE	1N4148	
156	D909	3801-001-000	DIODE	1N4148	
157	D910	3801-001-000	DIODE	1N4148	
158	D911	3801-001-000	DIODE	1N4148	
159	D913	3801-001-000	DIODE	1N4148	
160	D914	3801-001-000	DIODE	1N4148	
161	D915	3801-001-000	DIODE	1N4148	
162	D916	3801-001-000	DIODE	1N4148	
163	D917	3801-001-000	DIODE	1N4148	
164	D918	3801-001-000	DIODE	1N4148	
165	D919	3801-001-000	DIODE	1N4148	
166	D920	3801-001-000	DIODE	1N4148	
167	D921	3801-001-000	DIODE	1N4148	
168	D922	3801-001-000	DIODE	1N4148	
169	D923	3801-001-000	DIODE	1N4148	
170	D924	3801-001-000	DIODE	1N4148	
171	D925	3801-001-000	DIODE	1N4148	
172	D926	3801-001-000	DIODE	1N4148	
173	D935	3801-001-000	DIODE	1N4148	
174	D936	3801-001-000	DIODE	1N4148	
175	D937	3801-001-000	DIODE	1N4148	
176	D938	3801-001-000	DIODE	1N4148	
177	D939	3801-001-000	DIODE	1N4148	
178	D940	3801-001-000	DIODE	1N4148	
179	D941	3801-001-000	DIODE	1N4148	
180	D942	3801-001-000	DIODE	1N4148	
181	D943	3801-001-000	DIODE	1N4148	
182	D944	3801-001-000	DIODE	1N4148	
183	D945	3801-001-000	DIODE	1N4148	
184	D946	3801-001-000	DIODE	1N4148	
185	n947	3801-001-000	DIODE	1N4148	



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S/N	LOCATION	PART_NO	DESCRIPTION	SFEC	LT DA1
186	E	5424-106-022	WIRE	AWG24,#1007 BLU 225mm	
187	F	5424-104-009	WIRE	AWG24,#1007 YEL 90mm	
188	F101	6100-003-000	FUSE	2.5A/250V, SF-W101A-07BB	
189	FC101	2806-001-000	FUSE	HOLDER	
190	FC102	2806-001-000	FUSE	HOLDER	
191	G1	5424-103-02x	WIRE	AWG24,#1007 ORG 280mm	
192	H	5424-105-008	WIRE	AWG24,#1007 RGN 80mm	
193	HN008	5201-854-207	WIRE	UL1015AWG18G/Y 70mm JAM TO JMT	
194	HS101	2805-505-010	HEAT SINK	,FOR Q101	
195	HS102	2x05-905-020	HEAT SINK	,FOR LM7812	
196	HS301	2805-505-020	HEAT SINK	,FOR TDA1170N	
197	HS302	2805-505-031	HEAT SINK	,FOR 2SC4770-2 / D714	
198	I101	4332-002-000	IC	IC3842N	
199	I102	4306-001-000	IC	LM7812	
200	1301	4333-001-000	IC	74LS86	
201	1401	4337-001-000	IC	TDA1170N	
202	1501	4332-004-000	IC	LM358	
203	1502	4337-008-000	IC	LM393	
204	1503	4332-005-000	IC	MC1391	
205	1504	4334-003-000	IC	741IC4538	
206	IS 709	2917-001-000	SILICON HEAT SINK PASTE FOR Q709		
207	IS 714	2917-0111-0"	SILICON HEAT SINK PASTE FOR D714		
208	J001	6400-007-000	JUMPER WIRE 7.5mm		
209	J002	6400-006-000	JUMPER WIRE 15mm		
210	J003	6400-006-000	JUMPER WIRE 15mm		
211	J004	6400-006-000	JUMPER WIRE 15mm		
212	J005	6400-004-000	JUMPER WIRE 10mm		
213	J006	6400-007-000	JUMPER WIRE 7.5mm		
214	J007	6400-007-000	JUMPER WIRE 7.5mm		
215	J008	6400-001-000	JUMPER WIRE 5mm		
216	J009	6400-007-000	JUMPER WIRE 7.5mm		



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0200-012-001 D-4NI I 15V UL/CSA Digital Multi-mode Color Monitor

S/N	LOCATION	PART_NO	DESCRIPTION	SPEC	LT	DATE
217	J010	6400-007-000	JUMPER WIRE 7.5mm			
218	J011	6400-006-000	JUMPER WIRE 15mm			
219	J012	6400-006-000	JUMPER WIRE 15mm			
220	J013	6400-006-000	JUMPER WIRE 15mm			
221	J014	6400-004-000	JUMPER WIRE 10mm			
222	J015	6400-004-000	JUMPER WIRE 11111111			
223	J016	6400-004-000	JUMPER WIRE 10mm			
224	J017	6400-004-000	JUMPER WIRE 10mm			
225	J018	6400-004-000	JUMPER WIRE 10mm			
226	J019	6400-005-000	JUMPER WIRE 12.5mm			
227	J020	6400-005-000	JUMPER WIRE 12.5mm			
228	J021	6400-001-000	JUMPER WIRE 5mm			
229	J022	6400-001-000	JUMPER WIRE 5mm			
230	J023	6400-004-000	JUMPER WIRE 10mm			
231	J024	6400-001-000	JUMPER WIRE 5mm			
232	J025	6400-004-000	JUMPER WIRE 10mm			
233	J026	6400-005-000	JUMPER WIRE 12.5mm			
234	J028	6400-004-000	JUMPER WIRE 10mm			
235	J030	6400-005-000	JUMPER WIRE 12.5mm			
236	J031	6400-004-000	JUMPER WIRE 10mm			
237	J032	6400-005-000	JUMPER WIRE 12.5mm			
238	J033	6400-005-000	JUMPER WIRE 12.5mm			
239	J034	6400-007-000	JUMPER WIRE 7.5mm			
240	J035	6400-007-000	JUMPER WIRE 7.5mm			
241	J036	6400-007-000	JUMPER WIRE 7.5mm			
242	J037	6400-005-000	JUMPER WIRE 12.5mm			
243	J038	6400-004-000	JUMPER WIRE 10mm			
244	J039	6400-001-000	JUMPER WIRE 5mm			
245	J041	6400-006-000	JUMPER WIRE 15mm			
246	J042	6400-005-000	JUMPER WIRE 12.5mm			
247	J043	6400-005-000	JUMPER WIRE 12.5mm			



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S/N	LOCATION	PART_NO	DESCRIPTION	SPEC	LT DAT
280	P101	3702-003-000	CONNECTOR	.SINGLE PIN	2.36x11mm
281	P102	3702-003-000	CONNECTOR	.SINGLE PIN	2.36x11mm
282	PCB006	5300-019-008	PCB MAIN HD	245mm x 245mm	
283	PL601	2900-509-090	COVER CASE	20x20x50 FOR Q101	HEAT SINK
284	Q101	4206-011-000	MOS FET	2SK955	
285	Q102	3906-003-000	TRANSISTOR	TIP127	
286	Q103	3901-005-000	TRANSISTOR	BF422	
287	Q401	3901-002-000	TRANSISTOR	2SA733	
288	Q402	3901-016-000	TRANSISTOR	2SC1213	
289	Q403	3901-001-000	TRANSISTOR	2X.945	
290	Q501	3901-016-000	TRANSISTOR	2SC1213	
291	Q502	3901-002-000	TRANSISTOR	2SA733	
292	Q503	3901-001-000	TRANSISTOR	2SC945	
293	Q504	3901-002-000	TRANSISTOR	2SA733	
294	Q505	3901-001-000	TRANSISTOR	2SC945	
295	Q506	3901-001-000	TRANSISTOR	2SC945	
296	Q507	3901-018-000	TRANSISTOR	2SD669A	
297	Q701	3901-001-000	TRANSISTOR	2SC945	
298	Q702	3903-001-000	TRANSISTOR	2SB649A	
299	Q703	3901-006-000	TRANSISTOR	BF423	
300	Q704	3901-005-000	TRANSISTOR	BF422	
301	Q705	3903-001-000	TRANSISTOR	2SB649A	
302	Q706	3901-006-000	TRANSISTOR	BF423	
303	Q707	3901-005-000	TRANSISTOR	BF422	
304	Q708	3901-019-000	TRANSISTOR	2SC2235	
105	Q709	3909-004-000	TRANSISTOR	2SC4770-2	
306	Q710	3901-001-000	TRANSISTOR	2SC945	
307	Q711	4206-010-000	MOS FET	IRF630	
308	Q712	3901-005-000	TRANSISTOR	BF422	
309	Q910	3901-002-000	TRANSISTOR	2SA733	
310	R101	2110-105-305	RES	CFP=15	1M ohm +/- 5% 1/2W



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S/N	LOCATION	PART_NO	DESCRIPTION	SPEC	LT DAT
311	R102	2110-154-305	RES	CF P=15	150K ohm +/- 5% 1/2W
312	R103	2110-154-305	RES	CF P=15	150K ohm +/- 5% 1/2W
313	R104	2122-244-307	RES	MOF P=20	240K ohm +/- 5% 2W
314	R105	2104-473-309	RES CEMENT (SQM)P=5		47K ohm +/- 5% 5W
315	R106	2122-471-307	RES	MOF P=20	4711 ohm +/- 5% 2w
316	R107	2110-432-304	RES	CF P=10	4.3K ohm +/- 5% 1/4W
317	R108	2110-560-304	RES	CF P=10	56 ohm +/- 5% 1/4W
318	R109	2110-822-304	RES	CF P=10	8.2K ohm +/- 5% 1/4W
319	R110	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W
320	R111	2110-102-305	RES	CF P=15	1 K ohm +/- 5% 1/2W
321	R113	2122-338-307	RES	MOF P=20	0.33 ohm +/- 5% 2W
322	R114	2110-911-304	RES	CF P=10	910 ohm +/- 5% 1/4W
323	R115	2110-470-304	RES	CF P=10	47ohm +/- 5% 1/4W
324	R117	2110-104-304	RES	CF P=10	100K ohm +/- 5% 1/4W
325	R118	2110-470-304	RES	CF P=10	47 ohm +/- 5% 1/4W
326	R119	2122-330-307	RES	MOF P=20	33 ohm +/- 5% 2w
327	R120	2122-300-306	RES	MOF P=15	30ohm +/- 5% 1 w
328	R121	2110-102-304	RES	CF P=10	1 K ohm +/- 5% 1/4W
329	R122	2110-473-305	RES	CF P=15	47K ohm +/- 5% 1/2W
330	R124	2122-473-306	RES	MOF P=15	47K ohm +/- 5% 1W
331	R126	2110-102-304	RES	CF P=10	1 K ohm +/- 5% 1/4W
332	R127	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W
333	R128	2122-569-307	RES	MOF P=15	5.6 ohm +/- 5% 2 w
334	R129	2122-209-307	RES	MOF P=20	2 ohm +/- 5% 2 w
335	R130	2110-102-304	RES	CF P=10	1 K ohm +/- 5% 1/4W
336	R301	2110-471-304	RES	CF P=10	470 ohm +/- 5% 1/4W
337	R302	2110-471-304	RES	CF P=10	470 ohm +/- 5% 1/4W
338	R303	2110-471-304	RES	CF P=10	470 ohm +/- 5% 1/4W
339	R304	2110-471-304	RES	CF P=10	470 ohm +/- 5% 1/4W
340	R401	2110-183-304	RES	CF P=10	18K ohm +/- 5% 1/4W
341	R402	2122-270-307	RES	MOF P=15	27 ohm +/- 5% 2w



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S/N	LOCATION	PART_NO	DESCRIPTION	SPEC	LT DAT
342	R404	2110-244-304	RES	CF P=10	240K ohm +/- 5% 1/4W
343	R405	2110-562-304	RES	CF P=10	5.6K ohm +/- 5% 1/4W
344	R406	2110-562-304	RES	CF P=10	5.6K ohm +/- 5% 1/4W
345	R407	2110-152-305	RES	CF P=15	1.5K ohm +/- 5% 1/2W
346	R408	2110-154-304	RES	CF P=10	150K ohm +/- 5% 1/4W
347	R409	2110-823-304	RES	CF P=10	82K ohm +/- 5% 1/4W
34x	R410	2110-622-304	RES	CF P=10	6.2K ohm +/- 5% 1/4W
349	R412	2110-102-305	RES	CF P=15	1K ohm +/- 5% 1/2W
350	R413	2110-242-304	RES	CF P=10	2.4K ohm +/- 5% 1/4W
351	R414	2122-109-306	RES	MOF P=15	1 ohm +/- 5% 1W
352	R415	2122-101-306	RES	MOF P=15	100 ohm +/- 5% 1W
353	R416	2110-222-304	RES	CF P=10	2.2K ohm +/- 5% 1/4W
354	R417	2110-105-304	RES	CF P=10	1 M ohm +/- 5% 1/4W
355	R418	2110-473-304	RES	CF P=10	47K ohm +/- 5% 1/4W
356	R419	2110-824-304	RES	CF P=10	820K ohm +/- 5% 1/4W
357	R420	2110-823-304	RES	CF P=10	82K ohm +/- 5% 1/4W
358	11422	2110-104-304	RES	CF P=10	100K ohm +/- 5% 1/4W
359	R423	2110-333-304	RES	CF P=10	33K ohm +/- 5% 1/4W
360	R424	2110-102-304	RES	CF P=10	1K ohm +/- 5% 1/4W
361	R425	2110-362-304	RES	CF P=10	3.6K ohm +/- 5% 1/4W
362	R426	2110-339-304	RES	CF P=10	3.3 ohm +/- 5% 1/4W
363	R427	2110-332-304	RES	CF P=10	3.3K ohm +/- 5% 1/4W
364	R430	2110-151-304	RES	CF P=10	150 ohm +/- 5% 1/4W
365	R501	2110-104-304	RES	CF P=10	100K ohm +/- 5% 1/4W
366	R502	2110-104-304	RES	CF P=10	100K ohm +/- 5% 1/4W
367	R503	2110-560-305	RES	CF P=15	56 ohm +/- 5% 1/2W
368	R504	2151-150-104	RES	MF P=10	1.5K ohm +/- 1% 1/4W
369	R505	2151-523-104	RES	MF P=10	5.23K ohm +/- 1% 1/4W



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S/N	LOCATION	PART_NO	RES	DESCRIPTION	SPEC	LT	DAT
370	R506	2110-104-304	RES	CF P=1,]]	100K ohm +/- 5% 1/4W		
371	R507	2110-104-304	RES	CF P=10	100K ohm +/- 5% 1/4W		
372	R508	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W		
373	R511	2110-103-304	RES	CF P=10	10K ohm +/- 5X 1/4W		
374	R512	2110-222-304	RES	CF P=10	2.2K ohm +/- 5% 1/4W		
375	R513	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W		
376	R514	2110-622-304	RES	CF P=10	6.2K ohm +/- 5% 1/4W		
377	R515	2110-102-304	RES	CF P=10	1K ohm +/- 5% 1/4W		
378	R516	2110-242-304	RES	CF P=10	2.4K ohm +/- 5% 1/4W		
379	R517	2151-392-204	RES	MF P=10	39.2K ohm +/- 1% 1/4W		
380	R519	2151-100-104	RES	MF P=10	1K ohm +/- 1% 1/4W		
381	R520	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W		
382	R521	2110-473-304	RES	CF P=10	47K ohm +/- 5% 1/4W		
383	R522	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W		
384	US23	2110-102-304	RES	CF P=10	1K ohm +/- 5% 1/4W		
385	R524	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W		
386	R525	2151-562-104	RES	MF P=10	5.62K ohm +/- 1% 1/4W		
387	R526	2110-272-304	RES	CF P=10	2.7K ohm +/- 5X 1/4W		
388	R527	2110-182-304	RES	CF P=10	1.8K ohm +/- 5% 1/4W		
389	R528	2110-152-304	RES	CF P=10	1.5K ohm +/- 5% 1/4W		
390	R529	2110-102-304	RES	CF P=10	1K ohm +/- 5% 1/4W		
391	R530	2122-101-307	RES	MOF P=15	100 ohm +/- 5X 2w		
392	R531	2110-222-304	RES	CF P=10	2.2K ohm +/- 5% 1/4W		
393	R532	2110-431-304	RES	CF P=10	430ohm +/- 5% 1/4W		
394	R537	2110-624-304	RES	CF P=10	620K ohm +/- 5% 1/4W		
395	R538	2110-471-304	RES	CF P=10	470 ohm +/- 5% 1/4W		
396	R539	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W		
397	R540	2122-471-306	RES	MOF P=15	470 ohm +/- 5x 1W		
39x	R701	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W		
399	R702	21 w-334-304	RES	CF P=10	330K ohm +/- 5% 1/4W		
400	R704	2110-105-304	RES	CF P=10	1M ohm +/- 5% 1/4W		



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S/N	LOCATION	PART_NO	RES	DESCRIPTION	SPEC	LT D A T
401	R705	2110-474-304	RES	CF P=10	47°K ohm +/- 5% 1/4W	
402	R706	2110-272-304	RES	CF P=10	2.7K ohm +/- 5% 1/4W	
403	R707	2110-153-304	RES	CF P=10	15K ohm +/- 5% 1/4W	
404	R709	2110-224-304	RES	CF P=10	220K ohm +/- 5% 1/4W	
405	R710	2110-109-304	RES	CF P=10	1ohm +/- 5% 1/4W	
406	R711	2110-109-304	RES	CF P=10	1 ohm +/- 5% 1/4W	
407	R712	2151-511-204	RES	MF P=10	51.1K ohm +/- 1% 1/4W	
408	R713	2110-122-304	RES	CF P=10	1.2K ohm +/- 5% 1/4W	
409	R714	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W	
410	R716	2110-112-304	RES	CF P=10	1.1K ohm +/- 5% 1/4W	
411	R717	2110-563-304	RES	CF P=10	56K ohm +/- 5% 1/4W	
412	R718	2110-122-304	RES	CF P=10	1.2K ohm +/- 5% 1/4W	
413	R719	2110-472-304	RES	CF P=10	4.7K ohm +/- 5% 1/4W	
414	R720	2110-472-304	RES	CF P=10	4.7K ohm +/- 5% 1/4W	
415	R721	2110-563-304	RES	CF P=10	56K ohm +/- 5% 1/4W	
416	R722	2110-222-305	RES	CF P=15	2.2K ohm +/- 5% 1/2W	
417	R723	2122-200-306	RES	MOF P=15	20 ohm +/- 5% 1W	
418	R724	2110-201-304	RES	CF P=10	21111 ohm +/- 5% 1/4W	
419	R728	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W	
420	R729	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W	
421	R730	2110-112-304	RES	CF P=10	1.1K ohm +/- 5% 1/4W	
422	R731	2110-6X3-304	RES	CF P=10	68K ohm +/- 5% 1/4W	
423	R732	2110-104-304	RES	CF P=10	100K ohm +/- 5% 1/4W	
424	R733	2110-181-305	RES	CF P=15	180 ohm +/- 5% 1/2W	
425	R734	2110-103-304	RES	CF P=10	10K ohm +/- 5% 1/4W	
426	R735	2151-681-204	RES	MF P=10	68.1K ohm +/- 5% 1/4W	
427	R736	2110-105-304	RES	CF P=10	1 M ohm +/- 5% 1/4W	
428	R737	2151-412-204	RES	MF P=10	41.2K ohm +/- 1% 1/4W	
429	R738	2122-159-306	RES	MOF P=15	1.5 ohm +/- 5% 1w	
430	R740	2110-820-304	RES	CF P=10	82 ohm +/- 5% 1/4W	
431	R741	2110-820-304	RES	CF P=10	82 ohm +/- 5% 1/4W	



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S/N	LOCATION	PART_NO	RES	DESCRIPTION	SPEC	LT D A T
432	R742	2110-121-304	RES	CF P=10	120 ohm +/- 5% 1/4W	
433	R743	2110-121-304	RES	CF P=10	120 ohm +/- 5% 1/4W	
434	R744	2122-109-306	RES	MOF P=15	1 ohm +/- 5% 1 W	
435	R745	2110-330-305	RES	CF P=15	33 ohm +/- 5% 1/2W	
436	R746	2151-324-304	RES	MF P=10	324K ohm +/- 1% 1/4W	
437	R901	2110-152-304	RES	CF P=10	1.5K ohm +/- 5% 1/4W	
43R	R902	2110-182-304	RES	CF P=10	1.8K ohm +/- 5% 1/4W	
439	R903	2110-362-304	RES	CF P=10	3.6K ohm +/- 5% 1/4W	
440	R904	2110-362-304	RES	CF P=10	3.6K ohm +/- 5% 1/4W	
441	R905	2110-152-304	RES	CF P=10	1.5K ohm +/- 5% 1/4W	
442	R906	2110-332-304	RES	CF P=10	3.3K ohm +/- 5% 1/4W	
443	R907	2110-392-304	RES	CF P=10	3.9K ohm +/- 5% 1/4W	
444	R908	2151-392-104	RES	MF P=10	3.92K ohm +/- 1% 1/4W	
445	R909	2151-243-204	RES	MF P=10	24.3K ohm +/- 1% 1/4W	
446	R910	2151-147-204	RES	MF P=10	14.7K ohm +/- 1% 1/4W	
447	R911	2151-432-204	RES	MF P=10	43.2K ohm +/- 1% 1/4W	
448	R912	2151-357-204	RES	MF P=10	35.7K ohm +/- 1% 1/4W	
449	R913	2151-221-204	RES	MF P=10	22.1K ohm +/- 1% 1/4W	
450	R914	2151-845-204	RES	MF P=10	84.5K ohm +/- 1% 1/4W	
451	R915	2151-102-304	RES	MF P=10	102K ohm +/- 1% 1/4W	
452	R916	2151-787-204	RES	MF P=10	78.7K ohm +/- 1% 1/4W	
453	R917	2151-464-204	RES	MF P=10	46.4K ohm +/- 1% 1/4W	
454	R918	2151-806-204	RES	MF P=10	80.6K ohm +/- 1% 1/4W	
455	R919	2110-621-304	RES	CF P=10	620 ohm +/- 5% 1/4W	
456	R920	2110-301-304	RES	CF P=10	300 ohm +/- 5% 1/4W	
457	R921	2110-242-304	RES	CF P=10	2.4K ohm +/- 5% 1/4W	
458	R922	2110-102-304	RES	CF P=10	1K ohm +/- 5% 1/4W	
459	R923	2151-634-104	RES	MF P=10	6.34K ohm +/- 1% 1/4W	
460	R924	2110-112-304	RES	CF P=10	1.1K ohm +/- 5% 1/4W	
461	R925	2140-511-304	RES	CF P=7.5	510 ohm +/- 5% 1/4W	
462	R926	2110-331-304	RES	CF P=10	330 ohm +/- 5% 1/4W	



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S/N	LOCATION	PART_NO	DESCRIPTION		SPEC	LT DAT
494	W703	3704-003-000	CONNECTOR	WAFER	2.54mm 3 PIN(BRIGHTNESS)	
495	W704	3707-004-000	CONNECTOR	WAFER	8mm/10mm 2.360 4 PIN (DY)	
496	WT601	2908-001-000	WIRE TIE GT-80M			
497	WT602	2908-001-000	WIRE TIE GT-80M			
498	wTh03	2908-001-000	WIRE TIE GT-80M			
499	WT604	2908-001-000	WIRE TIE GT-80M			
500	WT605	2908-001-000	WIRE TIE GT-80M			
501	WT606	2908-001-000	WIRE TIE GT-80M			
502	ZD101	3808-01 x-1100	DIODE	ZENER	11Z18-2 7.5V-18.3V	
503	ZD103	3808-005-122	DIODE	ZENER	rN4733 5.1V1W	
504	ZD104	3808-017-000	DIODE	ZENER	HZ15-1 14.1V-14.7V	
505	ZD105	3808-016-000	DIODE	ZENER	BZW06 - 171-171V	
506	ZD106	3808-016-000	DIODE	ZENER	BZW06 - 171-171V	
507	ZD401	3808-014-000	DIODE	ZENER	11Z24-2 23.6V-24.7V	
508	ZD507	3808-015-000	DIODE	ZENER	11Z3C2 3.2V-3.4V	
509	ZD701	3808-002-000	DIODE	ZENER	11Z12A2 11.9V-12.4V	
510	ZD702	3808-002-000	DIODE	ZENER	11Z12A2 11.9V-12.4V	
511	ZD703	3808-014-000	DIODE	ZENER	11Z24-2 23.6V-24.7V	