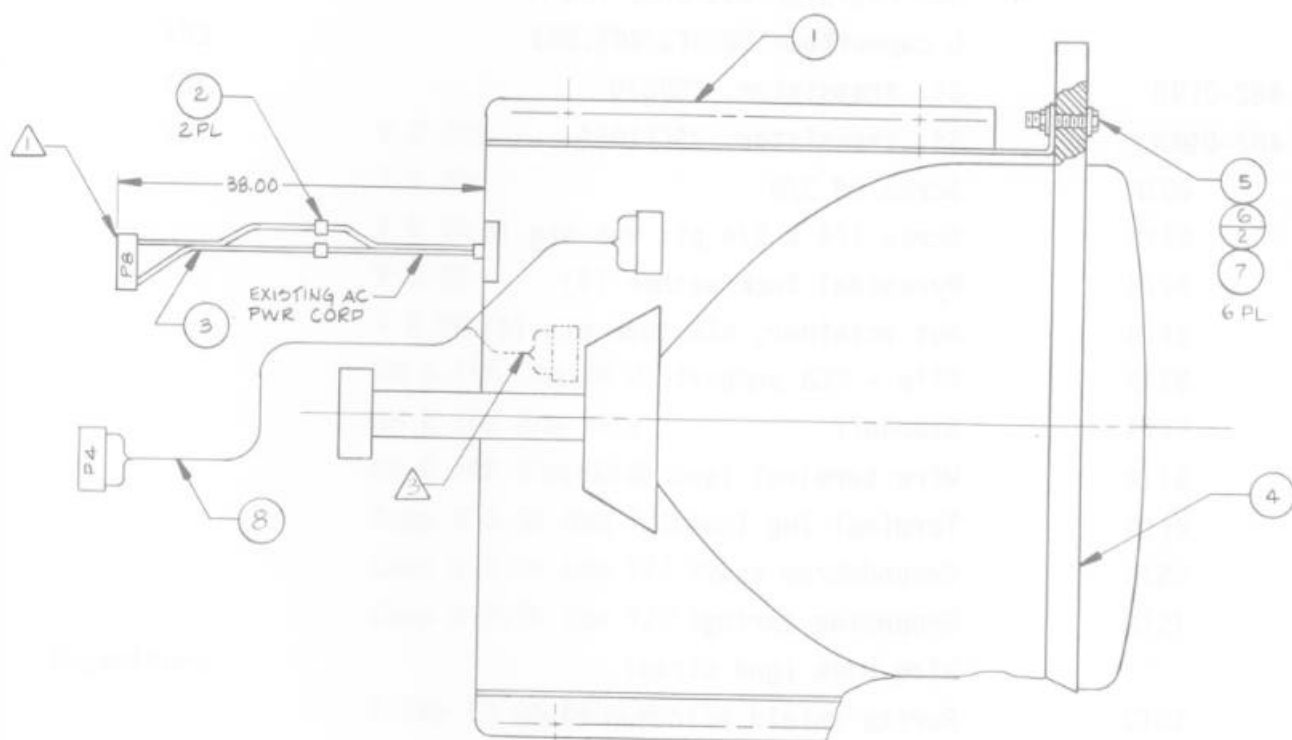


COLOR MONITOR ASSEMBLY

DRAWING NUMBER 800-0362

ITEM NO.	PART NO.	QTY. REQD.			DESCRIPTION	REF DES.
		-00	-01	-02		
1	See Below					
2	800-0369-01	-	-	1	Assy. Harness AC "Z"	
3	800-0369-00	1	1	-	Assy. Harness AC "Z"	
4	252-0175-00	1	1	1	Monitor Mounting Board	
5	282-0017-24	6	6	6	HEX HD Bolt 1/4-20 x 1.500 LG	
6	283-0060-34	12	12	12	Washer, 1/4 Flat	
7	283-0070-05	6	6	6	Nut-1/4 HEX Self-Locking	
8	800-0361-00	1	1	1	Assy. Harn. Video INTF	
9	470-0221-00	3	3	3	RES 220 OHM 1/4 W	See SH 2
10	470-0302-00	3	3	3	RES 3K 1/4 W	See SH 2
11	200-0019-00	-	1	-	CRT CL 19 IN. VT MT	
	200-0022-00	-	1	-	W/G CLR 19 IN. VT MT	
1	200-0019-00	1	-	-	CRT CL 19 IN. VT MT	
	200-0091-00	-	-	1	MON 19 IN. Vert. MT W/G	
12	280-0005-00	-	-	1	Cable Tie	
13	280-0327-00	-	-	1	Base Tie Wrap	



OUTSIDE OF THE PCB ASSY

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des.</u>
200-0667	Picture tube 19"	
200-0068	Deflection yoke	
113-0009	PC magnet	
560-0096	Flyback trans.	
	HVR	
	UNF resistor 220 Ohm, 25W K	R05
	C capacitor 150 pf, AC1.5KV	C04
482-0198	Si. transistor, 2SD870	X01
482-0143	Si. transistor, 2SC1106A	X02
	Screw #8 3/8	
	Screw 1/4 x 3/4 pix tub mtg (4)	
	Pyramidal lock washer (4)	
	Nut retainer, pix tube mtg (4)	
	Clip - PCB support	
	Standoff	
	Wire terminal (gnd strap)	
	Terminal lug (gnd)	
	Groundstrap assy	
	Grounding spring	
	Wire hook (gnd strap)	
	Purity shield holddown clamp	
	Support brkt RH	
	Support brkt LH	
	Chassis base	
	Yoke wedge (3)	

PURITY SHIELD ASSY

180-0022	Degaussing coil	D911, D912
481-0225	Rectifier 1 amp 600 V (2)	
	Pin Terminal (2)	

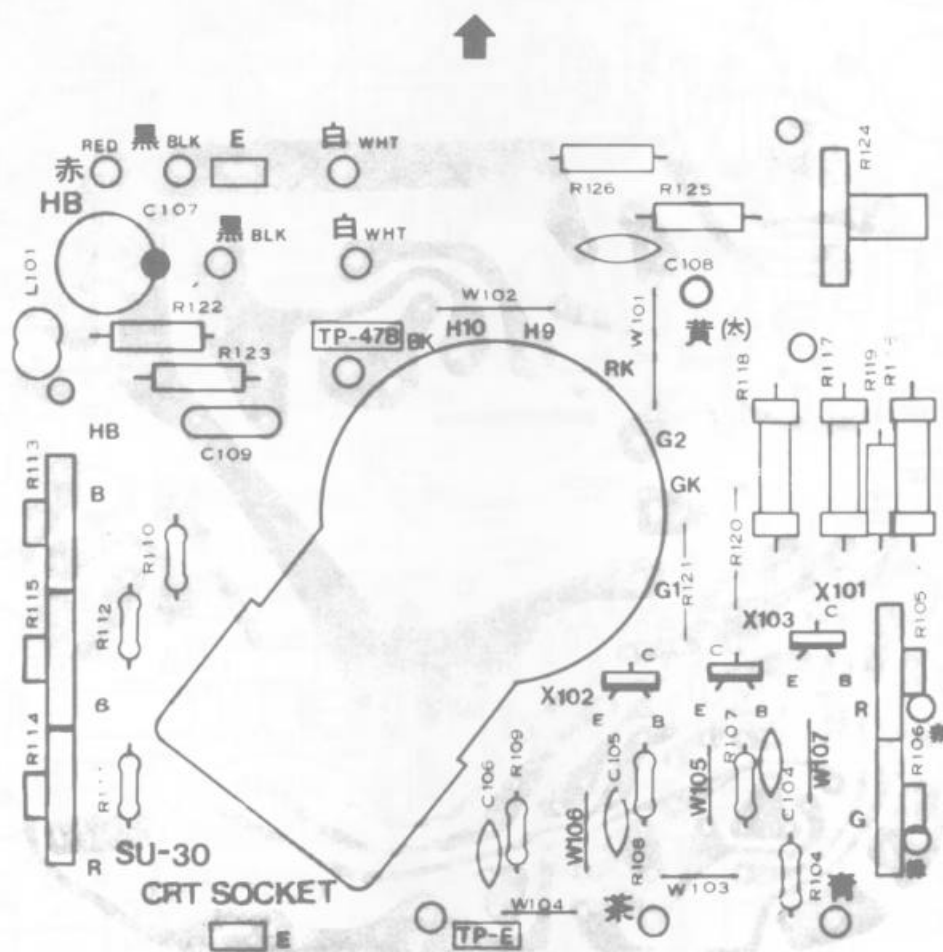
<u>Part No.</u>	<u>Description</u>	<u>Ref. Des.</u>
	Pin terminal housing	
	Purity shield (2 pcs)	
	Purity shield (2 pcs)	
	Capacitor 100 nf 10% 400V	C911
	Resistor, wirewound 33 Ohm, 4W	R921
	Fire retardant term strip 4 lug	
	CRT SOCKET PCB ASSY	
	V R 200	R105
	V R 200	R106
	V R 5K	R113
	V R 5K	R114
	V R 5K	R115
	OM R 10K Ohm 2W J	R116
	OM R 10K Ohm 2W J	R117
	OM R 10K Ohm 2W J	R118
	Comp R 3.3K Ohm 1/2 K	R119
	Comp R 3.3K Ohm 1/2 K	R120
	Comp R 3.3K Ohm 1/2 K	R121
Capacitors		
	E Cap 10 uf 250V A	C107
	C Cap 1000 pf DC1400V P	C108
Coils		
180-0023	Peaking coil	L101
Semiconductors		
482-0290	Si transistor, 2SC1514VC	X101
482-0290	Si transistor, 2SC1514VC	X102
482-0290	Si transistor, 2SC1514VC	X103
Miscellaneous		
213-0022	CRT socket	

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
	MAIN PCB ASSY	
Resistors		
	V R 200 Ohm	R406
	V R 200 Ohm	R408
	CMF R 6.8 Ohm 1W J	R410
	OM R 3.3K Ohm 1W J	R414
	OM R 2.7K Ohm 1W J	R415
	OM R 12K Ohm 2W J	R421
	V R 10K Ohm	R422
	F R 68 Ohm 2W K	FR401
	CMF R 11.8K Ohm 1/4W + 1%	R503
	V R 5K Ohm	R504
	OM R 10K Ohm 2W J	R509
	OM R 8.2K Ohm 2W J	R512
	OM R 820 Ohm 2W J	R514
	CMF R 8.2 Ohm 1W J	R515
	CMF R 4.7 Ohm 1W J	R522
	OM R 68 Ohm 2W J	R523
	OM R 390 Ohm 1W J	R528
	ZN R 470 Ohm	R534
	ZN R	VR501
	CMF R 39 Ohm 1/2W + 1%	R703
	CMF R 7.68K Ohm 1/4 + 1%	R704
	Posistor	R901
	UNF R 2 Ohm 7W K	R902
	CMF R 4.7 Ohm 3W J	R903
	OM R 10K Ohm 2W J	R904
	OM R 18K Ohm 1W J	R905
	CMF R 47 Ohm 1/2W + 1%	Q908
	V R 2K Ohm	R909
	CMF R 2.74K Ohm 1/4 + 1%	R910
	F R 220 Ohm 1/2W K	FR901

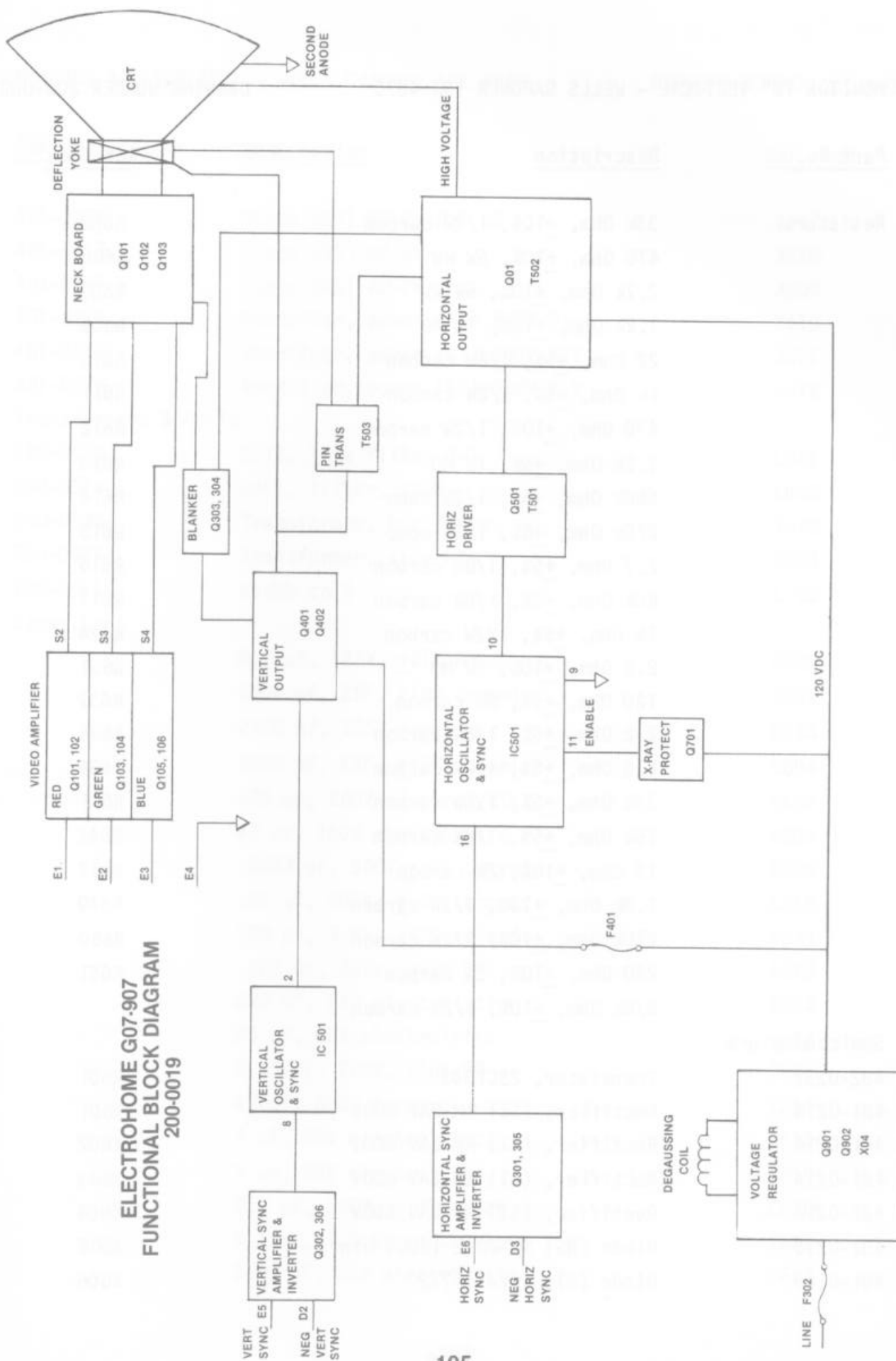
<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
Capacitors		
	BPE Cap 3.3 uf 50V A	C301
	Tan cap 2.2 uf 16V K	C402
	E cap 4.7 uf 6.3V A	C407
	E cap 100 uf 160V A	C411
	E cap 3.3 uf 160V A	C412
	PP cap 5600 uf 50V J	C508
	PP cap 2000 pf DC1500V J	C512
	PP cap 2000 pf DC1500V J	C513
	PP cap 2000 pf DC1500V J	C514
	PP cap 0.53 uf DC1200V J	C515
	BPE cap 3.3 uf 50V A	C520
	E cap 1 uf 160V A	C523
	M cap 0.1 uf 200V K	C524
	PP cap 2000 pf DC1500V J	C531
	PP cap 1500 pf DC1500V J	C532
	E cap	C904
	E cap 10 uf 250V A	C905
Coils		
180-0024	Linarity coil	L502
181-0031	Width coil	L503
180-0025	Heater choke	L504
Transformers		
560-0061	Hor drive transf	T501
560-0097	Side pin transf	T503
Semiconductors		
316-0807	IC HA11244	IC501
482-0177	Si transistor, 2SC1685(R)	X101
482-0111	Si transistor, 2SA673(C)	X102
482-0177	Si transistor, 2SC1685(R)	X103
482-0111	Si transistor, 2SA673(C)	X104
482-0177	Si transistor, 2SC1685(R)	X105

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
482-0111	Si transistor, 2SCA673(C)	X106
482-0177	Si transistor, 2SC1685(R)	X301
482-0177	Si transistor, 2SC1685(R)	X302
482-0111	Si transistor, 2SA673(C)	X303
482-0177	Si transistor, 2SC1685(R)	X304
482-0177	Si transistor, 2SC1685(R)	X305
482-0196	Si transistor, 2SD478	X401
482-0196	Si transistor, 2SD478	X402
482-0291	Si transistor, 2SC2610BK	X501
482-0257	Si transistor, 2SC2688 (KLM)	X901
482-0258	Si transistor, 2SC1890A (EF)	X902
481-0226	Si diode, W06A	D101
481-0226	Si diode, W06A	D102
481-0226	Si diode, W06A	D103
481-0149	Si diode, 1SZ473H	D301
481-0149	Si diode, 1SZ473H	D401
481-0227	Zener diode, RD10F(C)	D402
481-0171	Si diode, HF-1	D503
481-0228	Si diode, V09E	D504
481-0229	Zener diode, RD11E(B)	D505
581-0226	Si diode, W06A	D506
481-0230	Si diode, 1SS81	D507
481-0149	Si diode, 1SZ473H	D508
481-0231	Zener diode, RD20EV2	D701
481-0160	Si diode, 1S1887A	D901
481-0160	Si diode, 1S1887A	D902
481-0160	Si diode, 1S1887A	D903
481-0160	Si diode, 1S1887A	D904
481-0198	Zener diode, RD6.8EV3	D905
Miscellaneous		
	Fuse 1.25A	F901
	US fuse 3A	F902

C.R.T. P.C.B. COMPONENT LAYOUT



ELECTROHOME G07-907 **FUNCTIONAL BLOCK DIAGRAM** **200-0019**



<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
Resistors	33k Ohm, $\pm 10\%$, 1/2W carbon	R603
	470 Ohm, $\pm 10\%$, 5W WW	R606
	2.7k Ohm, $\pm 10\%$, 5W WW	R607
	1.2k Ohm, $\pm 10\%$, 1W MO	R608
	22 Ohm, $\pm 5\%$, 1/8W carbon	R610
	1k Ohm, $\pm 5\%$, 1/2W carbon	R611
	470 Ohm, $\pm 10\%$, 1/2W carbon	R612
	1.2k Ohm, $\pm 5\%$, 1W MO	R613
	680k Ohm, $\pm 5\%$, 1/2W comp	R614
	270k Ohm, $\pm 5\%$, 1/2W comp	R615
	2.7 Ohm, $\pm 5\%$, 1/8W carbon	R616
	68k Ohm, $\pm 5\%$, 1/8W carbon	R617
	1k Ohm, $\pm 5\%$, 1/2W carbon	R624
	2.2 Ohm, $\pm 10\%$, 5W MO	R631
	120 Ohm, $\pm 5\%$, 5W carbon	R632
	2.2 Ohm, $\pm 5\%$, 1/8W carbon	R634
	6.8 Ohm, $\pm 5\%$, 1/2W carbon	R635
	33k Ohm, $\pm 5\%$, 1/8W carbon	R641
	15k Ohm, $\pm 5\%$, 1/8W carbon	R642
	15 Ohm, $\pm 10\%$, 2W carbon	R647
	1.8k Ohm, $\pm 10\%$, 1/2W carbon	R649
	270k Ohm, $\pm 10\%$, 1/2W carbon	R650
	240 Ohm, $\pm 10\%$, 2W carbon	R651
	6/8k Ohm, $\pm 10\%$, 1/2W carbon	
Semiconductors		
482-0262	Transistor, 2SC1893	TR601
481-0214	Rectifier, (SI) RM-2AV 600V	X601
481-0214	Rectifier, (SI) RM-2AV 600V	X602
481-0214	Rectifier, (SI) RM-2AV 600V	X603
481-0214	Rectifier, (SI) RM-2AV 600V	X604
481-0215	Diode (HS) SB-2CGL 1200V min	X605
481-0149	Diode (SI) IS2473-772	X606

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
481-0216	Diode (HS) RC-2V 0.8 US	X607
481-0217	Diode (HS) RU-2V	X608
481-0217	Diode (HS) RU-2V	X609
481-0218	Rectifier, power (SI) 500V PIV	X610
481-0218	Rectifier, power (SI) 500V PIV	X611
481-0218	Rectifier, power (SI) 500V PIV	X612
Transformers & Coils		
180-0020	Coil, line filter R-3	L601
180-0014	Coil, filter, 10uh	L602
560-0094	Transformer, hor drive	T602
560-0095	Transformer, side PC	T603
180-0015	Width coil	L702
Capacitors		
	0.1 uf, 125V, $\pm 20\%$ MM	C601
	2200 pf, Z5F, $\pm 10\%$ ceramic	C602
	2200 pf, 125V ceramic	C603
	2200 pf, Z5F, $\pm 10\%$ ceramic	C604
	330 uf, 200V electrolytic	C605
	47 uf, 160V electrolytic	C608
	.0033 uf, 500V $\pm 10\%$ ceramic	C609
	.01 uf, 500V, $\pm 10\%$ ceramic	C610
	100 pf, 3 KV, $\pm 10\%$ ceramic	C611
	.022 uf, 200v, $\pm 10\%$ PP	C612
	220 uf, 25V electrolytic	C613
	33 uf, 25V electrolytic	C614
	0.39 uf, 200V, $\pm 10\%$ PP	C615
	47 pf, 500V ceramic	C616
	1 uf, 50v electrolytic	C617
	1 uf, 50V electrolytic	C619
	0.1 uf, 100V, $\pm 10\%$ mylar	C620
	0.1 uf, 1.5 KV, $\pm 20\%$ paper	C621
	1000 uf, 35V electrolytic	C622

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
Capacitors (cont)	470 uf, 25V electrolytic	C623
	100 uf, 25V electrolytic	C624
	10 uf, 160V electrolytic	C625
	100 pf, 500V, <u>+10%</u> ceramic	C626
	39 pf, 500V, <u>+10%</u> ceramic	C627
	2200 pf, 500V, <u>+10%</u> ceramic	C628
	6900 pf, 1.5 KV, <u>+5%</u> PP	C629
	2.2 uf, 50V electrolyte	C633
	3 pf, 2 kV, <u>+0.5</u> pf ceramic	C637
	.056 uf, 10% mylar	C638
Miscellaneous		
	Fuse (UL/CSA) 3A-125	F601
	Socket, 6 pin	J607
	Plug, 3 pin (GT)	P602
	Plug, 4 pin (NM)	P604
	Plug, 6 pin (GT)	P607
	Plug, 3 pin (NM)	P608
	Plug, 2 pin (NM)	P611
	Thermistor	TH601
	Plug, 6 pin	P201
	Plug, 6 pin	P202
	VERT/HOR BOARD	
Resistors		
	820 Ohm, <u>+5%</u> , 1/8W carbon	R301
	12k Ohm, <u>+5%</u> , 1/8W carbon	R302
	15k Ohm, <u>+5%</u> , 1/8W carbon	R303
	10k Ohm, <u>+5%</u> , 1/8W carbon	R304
	330k Ohm, <u>+5%</u> , 1/8W carbon	R305
	1k Ohm, <u>+5%</u> , 1/8W carbon	R306
	1.5k Ohm, <u>+5%</u> , 1/8W carbon	R307
	2.2k Ohm, <u>+5%</u> , 1/8 carbon	R309

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
Resistors (cont)	470k Ohm, <u>±</u> 5%, 1/8W	R310
	56k Ohm, <u>±</u> 5%, 1/8W carbon	R311
	100k Ohm, <u>±</u> 5%, 1/8W carbon	R312
	10k Ohm, <u>±</u> 5%, 1/8W carbon	R313
	47k Ohm, <u>±</u> 5%, 1/8W carbon	R314
	820 Ohm, <u>±</u> 5%, 1/8W carbon	R315
	120 Ohm, <u>±</u> 5%, 1/2W carbon	R316
	2.2 Ohm, <u>±</u> 5%, 1/2W carbon	R317
	33k Ohm, <u>±</u> 5%, 1/4W carbon	R318
	10 Ohm, <u>±</u> 5%, 1/8W carbon	R319
	15k Ohm, <u>±</u> 5%, 1/8W carbon	R320
	560 Ohm, <u>±</u> 5%, 1/2W carbon	R321
	22 Ohm, <u>±</u> 5%, 2W MO	R322
	1.5 Ohm, <u>±</u> 5%, 1/8W carbon	R323
	27k Ohm, <u>±</u> 5%, 1/8W carbon	R234
	47 Ohm, <u>±</u> 5%, 1/8W carbon	R325
	820 Ohm, <u>±</u> 5%, 1/8W carbon	R328
	10k Ohm, <u>±</u> 5%, 1/8W carbon	R330
	220k Ohm, <u>±</u> 5%, 1/8W carbon	R331
	2.2k Ohm, <u>±</u> 5%, 1/8W carbon	R351
	15k Ohm, <u>±</u> 5%, 1/8W carbon	R352
	18k Ohm, <u>±</u> 5%, 1/8W carbon	R353
	3.9k Ohm, <u>±</u> 5%, 1/8W carbon	R354
	12k Ohm, <u>±</u> 5%, 1/8W carbon	R355
	470 Ohm, <u>±</u> 5%, 1/8W carbon	R356
	2.2k Ohm, <u>±</u> 5%, 1/8W carbon	R357
	1.2k Ohm, <u>±</u> 5%, 1/8W carbon	R358
	68k Ohm, <u>±</u> 5%, 1/8W carbon	R359
	27 Ohm, <u>±</u> 5%, 1/4W carbon	R360
	1.2k Ohm, <u>±</u> 5%, 1/8W carbon	R361
	1.2k Ohm, <u>±</u> 5%, 1/8W carbon	R363
	47k Ohm, <u>±</u> 5%, 1W MO	R364

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
Resistors (cont)		
	56k Ohm, <u>+5%</u> , 1/2W carbon	R365
	3.3k Ohm, <u>+5%</u> , 1/8W carbon	R366
	2.2k Ohm, <u>+5%</u> , 1/2W carbon	R367
	3.9k Ohm, <u>+5%</u> , 1/8W carbon	R368
	3.3k Ohm, <u>+5%</u> , 1/4W carbon	R369
	1k Ohm, <u>+5%</u> , 1/4W carbon	R370
	2.7k Ohm, <u>+5%</u> , 1/4W carbon	R371
	2.2k Ohm, <u>+5%</u> , 1/4W carbon	R383
	8.2k Ohm, <u>+5%</u> , 1/4W carbon	R384
	Varistor, 250k Ohm, vert hold	VR301
	Varistor, 20k Ohm, vert size	VR302
	Varistor, 50k Ohm, hor hold	VR351
Capacitors		
	0.15 uf, 50V <u>+10%</u> mylar	C301
	0.222 uf, 50V, <u>+10%</u> mylar	C302
	0.1 uf, 50V, <u>+10%</u> mylar	C304
	2.2 uf, 50V electrolytic	C306
	0.15 uf, 50V, <u>+10%</u> mylar	C307
	0.1 uf, 50V, <u>+10%</u> mylar	C309
	22 uf, 16V electrolytic	C310
	1000 uf, 35V electrolytic	C311
	0.0082 uf, 50V, <u>+10%</u> ceramic	C312
	47 uf, 50V electrolytic	C313
	10 uf, 25V electrolytic	C315
	3300 uf, 50V, <u>+10%</u> mylar	C316
	100 pf 50V, <u>+10%</u> ceramic	C317
	1500 pf, 50V, <u>+10%</u> ceramic	C351
	1000 pf, 50V, <u>+10%</u> ceramic	C352
	0.022 uf, 50V, <u>+10%</u> mylar	C353
	0.1 uf, 50V, <u>+10%</u> mylar	C355
	4.7 uf, 25V electrolytic	C356

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
Capacitors (cont)	0.015 uf, 200V, <u>+10%</u> PP	C357
	0.018 uf, 200V, <u>+10%</u> PP	C358
	4.7 uf, 160V electrolytic	C359
	0.01 uf, 50V, <u>+10%</u> ceramic	C360
	0.015 uf, 50V, <u>+10%</u> mylar	C361
	10 uf, 50V electrolytic	C362
	0.01 uf, 640V, <u>+10%</u> PP	C363
	0.01 uf, 50V, <u>+10%</u> ceramic	C364
Semiconductors		
482-0282	Transistor, 2SA826Q	TR301
482-0261	Transistor, 2SC1740Q	TR302
482-0283	Transistor, 2SA1740Q	TR303
482-0261	Transistor, 2SC1740Q	TR304
452-0284	Transistor, 2SA490YLBGLI	TR305
482-0285	Transistor, 2SC1625YLBGLI	TR306
482-0261	Transistor, 2SC1740R	TR307
482-0261	Transistor, 2SC1740Q	TR308
482-0117	Transistor, 2SA854Q	TR351
482-0286	Transistor, 2SC1722BKS	TR352
482-0261	Transistor, 2SC1740Q	TR353
482-0282	Transistor, 2SA826Q	TR354
481-0149	Diode (SI) IS2473-T72	X301
481-0149	Diode (SI) IS2473-T72	X302
481-0099	Diode (GE) IN60TVGL	X303
481-0219	Diode (SI) ISS81	X304
481-0219	Diode (SI) ISS81	X305
481-0219	Diode (SI) ISS81	X306
481-0220	Diode (SI) MA26W	X307
481-0149	Diode (SI) IS2473	X308
481-0149	Diode (SI) IS2473-T72	X351
481-0149	Diode (SI) IS2473-T72	X352
481-0149	Diode (SI) IS2473-T72	X53

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
481-0149	Diode (SI) IS2473-T72	X54
481-0221	Diode (Zener) RD10EBI	X355
481-0222	Diode (HS) RU-1 0.3 US	X366
Miscellaneous		
204X9300-958	Socket, 6 pin	J301
204X9300-958	Socket, 6 pin	J302
204X9601-195	Plug, 6 pin	P301
204X9601-195	Plug, 6 pin	P302
201X0000-534	Thermistor	TH301
Transformers & Coils		
101-0030	Coil, horiz osc	L351
POWER BOARD		
Resistors		
	180 Ohm, <u>+10%</u> 15W WW	R501
	100 Ohm, <u>+5%</u> , 1/8W carbon	R502
	1k Ohm, <u>+5%</u> , 1/8W carbon	R503
	560 Ohm, <u>+5%</u> , 1/8W carbon	R504
	39k Ohm, <u>+5%</u> , 1W MO	R505
	6.8k Ohm, <u>+5%</u> , 1/8W carbon	R506
	Varistor volt adj	VR501
Capacitors		
	10 uf, 160V electrolytic	C501
	1500 pf, 50V, <u>+10%</u> ceramic	C502
	22 uf, 16V electrolytic	
Semiconductors		
482-0261	Transistor, 2SC1740Q	TR501
482-0288	Transistor, 2SC1454	TR502
481-0135	Diode (SI) zener EQB01-06V	X501
481-0149	Diode (SI) IS2473-T72	X502
Miscellaneous		
	Socket, 6 pin	J501

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
	Plug, 6 pin	P501
	Thermister	TH501
	NECK BOARD	
Resistors		
	1.8k Ohm, <u>+5%</u> , 1/8W carbon	R401
	1.8k Ohm, <u>+5%</u> , 1/8W carbon	R402
	1.8k Ohm, <u>+5%</u> , 1/8W carbon	R403
	150 Ohm, <u>+5%</u> , 1/8W carbon	R404
	220 Ohm, <u>+5%</u> , 1/8W carbon	R405
	150 Ohm, <u>+5%</u> , 1/8W carbon	R406
	390 Ohm, <u>+5%</u> , 1/4W carbon	R407
	390 Ohm, <u>+5%</u> , 1/4W carbon	R408
	4.7k Ohm, <u>+5%</u> , 1/8W carbon	R409
	4.7k Ohm, <u>+5%</u> , 1/8W carbon	R410
	4.7k Ohm, <u>+5%</u> , 1/8W carbon	R411
	12k Ohm, <u>+5%</u> , 2.0W metal oxide	R412
	12k Ohm, <u>+5%</u> , 2.0W metal oxide	R413
	12k Ohm, <u>+5%</u> , 2.0W metal oxide	R414
	2.7k Ohm, <u>+10%</u> , 1/2W comp	R415
	2.7k Ohm, <u>+10%</u> , 1/2W comp	R416
	2.7k Ohm, <u>+10%</u> , 1/2W comp	R417
	470k Ohm, <u>+10%</u> , 1/2W comp	R418
	330k Ohm, <u>+10%</u> , 1/2W comp	R419
	1.0 Ohm, <u>+10%</u> , 2W metal oxide	R422
	270 Ohm, <u>+5%</u> , 1/4W carbon	R423
	500 Ohm varistor R drive	VR401
	500 Ohm varistor B drive	VR402
	5k Ohm varistor R cutoff	VR403
	5k Ohm varistor G cutoff	VR404
	5k Ohm varistor B cutoff	VR405
	1M Ohm varistor screen	VR406

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des</u>
Capacitors		
	1000 pf, 50V, 10% ceramic	C401
	1000 pf, 50V, 10% ceramic	C402
	1000 pf, 50V, 10% ceramic	C403
	1500 pf, 2 kV, <u>+10%</u> ceramic	C404
	100 pf, 12 kV, <u>+10%</u> ceramic	C405
	.01 uf, 500V, <u>+10%</u> ceramic	C406
	1500 pf, 2 kV, <u>+10%</u> ceramic	C407
	68 pf, 50V, <u>+10%</u> ceramic	C408
	68 pf, 50V, <u>+10%</u> ceramic	C409
	68 pf, 50V, <u>+10%</u> ceramic	C410
Semiconductors		
482-0155	Transistor, 2SC1514 (R output)	TR401
482-0155	Transistor, 2SC1514 (G output)	TR402
482-0155	Transistor, 2SC1514 (B output)	TR403
481-0223	Diode, IS2367 (B output)	X404
481-0223	Diode, IS2367 (protector)	X405
481-0223	Diode, IS2367 (protector)	X406
Miscellaneous		
	Socket, 5 pin	J401
	Socket, 3 pin	J402
	Plug, 5 pin	P401
	Plug, 3 pin	P402
800-3253 High Voltage Assembly (T7010)		
	6.8 Ohm, <u>+10%</u> 15W WW resistor	R701
220-0223	Focus control	VR702
	Diode (SI HV))	X701
	Diode (SI HV)) Part of T701	X702
	Diode (SI HV))	X703

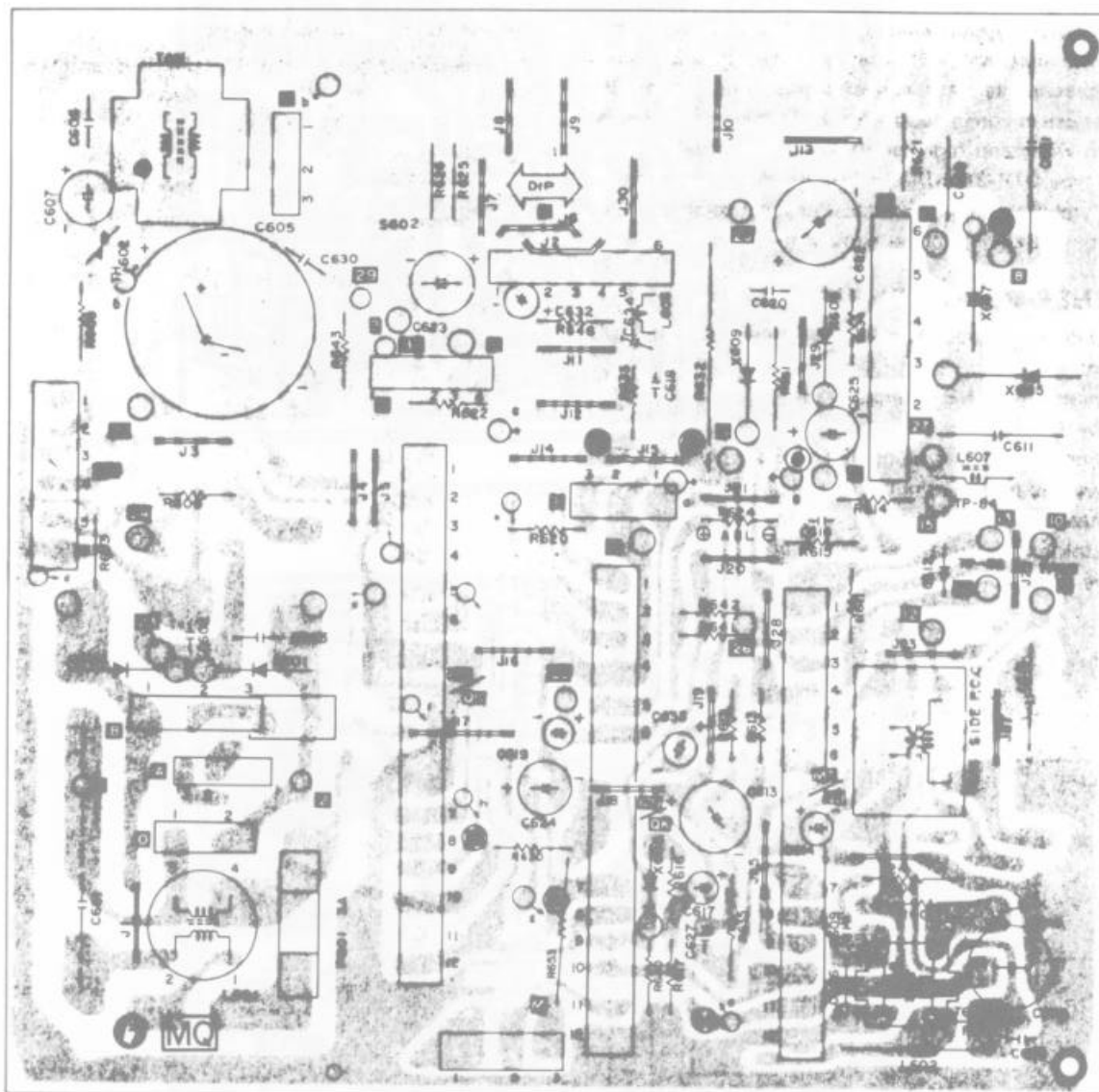
<u>Part No.</u>	<u>Description</u>	<u>Ref. Des.</u>
Final Assembly Parts		
200-0020	19VJTP22 pix tube	
800-3254	Assy purity shld/degaussing	
800-3255	Lateral/purity assembly	
200-0066	Yoke, deflection	
213-0021	CRT socket	
800-3253	HV unit (T701)	
	Plug, line cord (K4625, K4675, K4677)	
	Plug, line cord (K4626, K4676)	
180-0021	Degaussing coil (L701)	
	INTERFACE FACE BOARD (P317)	
Resistors		
	91 Ohm $\pm 5\%$, 1/2W carbon	R201
	22k Ohm, $\pm 10\%$, 1/4W carbon	R202
	1k Ohm, $\pm 5\%$, 1/2W carbon	R203
	100 Ohm, $\pm 5\%$, 1/4W carbon	R204
	100k Ohm, $\pm 5\%$, 1/4W carbon	R205
	330 Ohm, $\pm 10\%$, 1/2W carbon	R206
	2.2k Ohm, $\pm 5\%$, 1/4W carbon	R207
	2.2k Ohm, $\pm 5\%$, 1/4W carbon	R208
	100k Ohm, $\pm 5\%$, 1/4W carbon	R209
	100 Ohm, $\pm 5\%$, 1/4W carbon	R210
	220 Ohm, $\pm 5\%$, 1/4W carbon	R211
	220 Ohm, $\pm 5\%$, 1/4W carbon	R212
	220 Ohm $\pm 5\%$, 1/4W carbon	R213
	150 Ohm, $\pm 5\%$, 1/4W carbon	R214
	150 Ohm, $\pm 5\%$, 1/4W carbon	R215
	150 Ohm, $\pm 5\%$, 1/4W carbon	R216
	100 Ohm, $\pm 5\%$, 1/4W carbon	R217
	1k Ohm, $\pm 5\%$, 1/2W carbon	R218
	1k Ohm, $\pm 5\%$, 1/2W carbon	R219
	680 Ohm, $\pm 5\%$, 1/2W carbon	R220

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des.</u>
Resistors (cont)	270 Ohm, $\pm 5\%$, 1/2W carbon	R221
	270 Ohm, $\pm 5\%$, 1/2W carbon	R222
	100k Ohm, $\pm 5\%$, 1/4W carbon	R223
	1k Ohm, $\pm 5\%$, 1/2W carbon	R224
	8.2k Ohm, $\pm 5\%$, 1/4W carbon	R225
	8.2k Ohm, $\pm 5\%$, 1/4W carbon	R226
	8.2k Ohm, $\pm 5\%$, 1/4W carbon	R227
	390 Ohm, $\pm 5\%$, 1/2W carbon	R228
	1.5k Ohm black level control	VR201
	10k Ohm horizontal centering	VR202
Capacitors	1000 uf, 16V electrolytic	C201
	470 uf, 16V lytic	C202
	.022 uf, 10% 100V	C203
	680 pf, 10%, Z5F	C204
	.01 uf, 10%, 100V	C205
Semiconductors		
482-0030	Transistor (NPN) 2N3904	TR201
482-0030	Transistor (NPN) 2N3904	TR202
482-0030	Transistor (NPN) 2N3904	TR203
482-0289	Transistor (PNP) MPS-A70	TR204
482-0289	Transistor (PNP) MPS-A70	TR205
482-0289	Transistor (PNP) MPS-A70	TR206
482-0030	Transistor (NPN) 2N3904	TR207
482-0030	Transistor (NPN) 2N3904	TR208
482-0030	Transistor (NPN) 2N3904	TR209
482-0030	Transistor (NPN) 2N3904	TR210
481-0224	Diode silicon FDH-444	X201
481-0224	Diode silicon FDH-444	X202
481-0224	Diode silicon FDH-444	X203
481-0224	Diode silicon FDH-444	X204
481-0014	Diode, zener 3.9V, 5%, 0.5W IN5228B	ZD201

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des.</u>
Miscellaneous		
	Socket, 6 pin	J201
	Socket, 6 pin	J202
	Plug, 4 pin	P203
	Plug, 3 pin	P204
	Plug, 6 pin	P205
Resistors		
	91 Ohm $\pm 5\%$, 1/2W carbon	R201
	22k Ohm, $\pm 10\%$, 1/4W carbon	R202
	1k Ohm, $\pm 5\%$, 1/2W carbon	R203
	100 Ohm, $\pm 5\%$, 1/4W carbon	R204
	100k Ohm, $\pm 5\%$, 1/4W carbon	R205
	330 Ohm, $\pm 10\%$, 1/2W carbon	R206
	2.2k Ohm, $\pm 5\%$, 1/4W carbon	R207
	2.2k Ohm, $\pm 5\%$, 1/4W carbon	R208
	100k Ohm, $\pm 5\%$, 1/4W carbon	R209
	100 Ohm, $\pm 5\%$, 1/4W carbon	R210
	200 Ohm, $\pm 5\%$, 1/4W carbon	R211
	200 Ohm, $\pm 5\%$, 1/4W carbon	R212
	200 Ohm $\pm 5\%$, 1/4W carbon	R213
	200 Ohm, $\pm 5\%$, 1/4W carbon	R214
	200 Ohm, $\pm 5\%$, 1/4W carbon	R215
	200 Ohm, $\pm 5\%$, 1/4W carbon	R216
	100 Ohm, $\pm 5\%$, 1/4W carbon	R217
	1k Ohm, $\pm 5\%$, 1/2W carbon	R218
	1k Ohm, $\pm 5\%$, 1/2W carbon	R219
	1k Ohm, 5%, 1/2W carbon	R220
	200 Ohm, 5%, 1/2W carbon	R221
	200 Ohm, 5%, 1/2W carbon	R222
	100k Ohm, 5%, 1/4W carbon	R223
	680k Ohm, 5%, 1/2W carbon	R224
	8.2k Ohm, 5%, 1/4W carbon	R225

<u>Part No.</u>	<u>Description</u>	<u>Ref. Des.</u>
Resistors (cont)	8.2k Ohm, 5%, 1/4W carbon	R226
	8.2k Ohm, 5%, 1/4W carbon	R227
	390 Ohm, 5%, 1/2W carbon	R228
	1.5k Ohm black level control	VR201
	10k Ohm horizontal centering	VR202
Capacitors	1000 uf, 16V electrolytic	C201
	470 uf, 16V lytic	C202
	.022 uf, 10% 100V	C203
	680 pf, 10%, Z5F	C204
	.01 uf, 10%, 100V	C205
Semiconductors		
482-0030	Transistor (NPN) 2N3904	TR201
482-0030	Transistor (NPN) 2N3904	TR202
482-0030	Transistor (NPN) 2N3904	TR203
482-0289	Transistor (PNP) MPS-A70	TR204
482-0289	Transistor (PNP) MPS-A70	TR205
482-0289	Transistor (PNP) MPS-A70	TR206
482-0030	Transistor (NPN) 2N3904	TR207
482-0030	Transistor (NPN) 2N3904	TR208
482-0030	Transistor (NPN) 2N3904	TR209
482-0030	Transistor (NPN) 2N3904	TR210
481-0224	Diode silicon FDH-444	X201
481-0224	Diode silicon FDH-444	X202
481-0224	Diode silicon FDH-444	X203
481-0224	Diode silicon FDH-444	X204
481-0014	Diode, zener 3.9V, 5%, 0.5W IN5228B	ZD201
Miscellaneous		
	Socket, 6 pin	J201
	Socket, 6 pin	J202
	Plug, 4 pin	P203
	Plug, 3 pin	P204
	Plug, 6 pin	P205

P.C. BOARD LAYOUT



P.C. BOARD LAYOUT

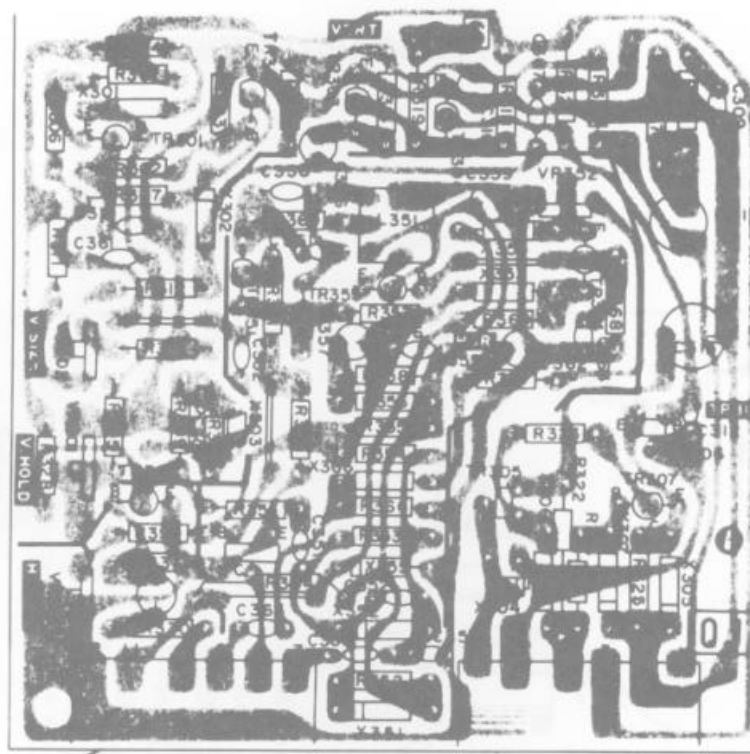
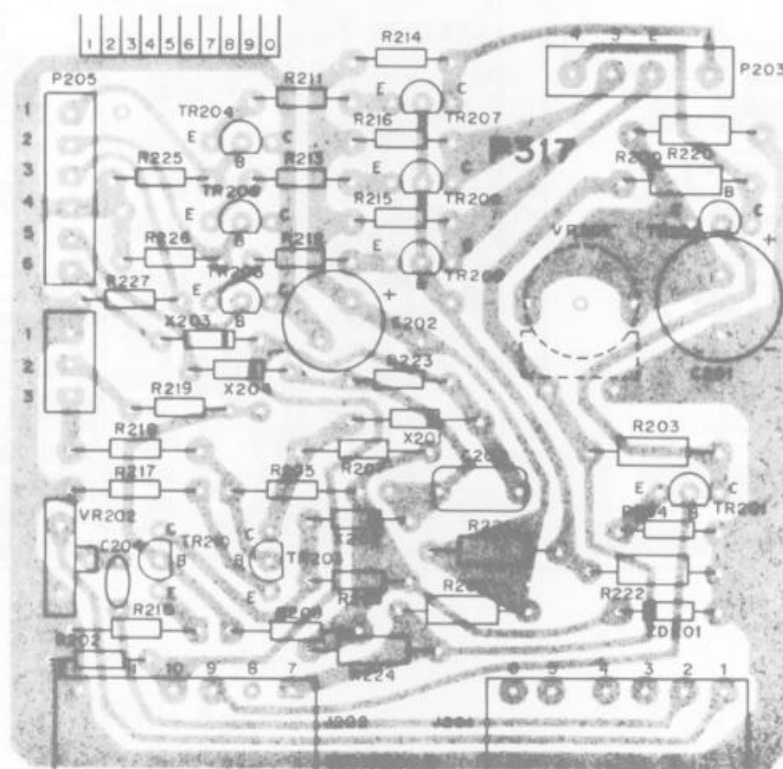


FIGURE 15. HORIZ/VERT P.C. BOARD



P.C. BOARD LAYOUT

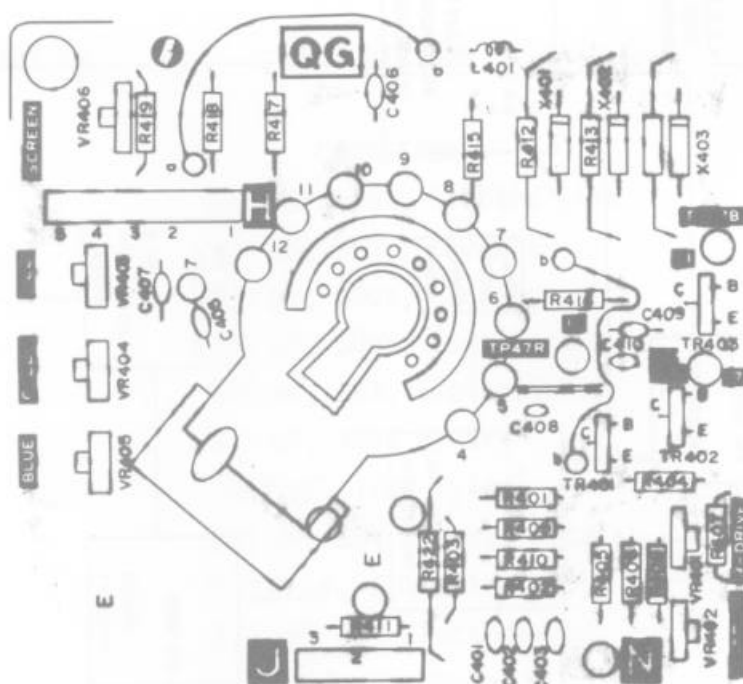
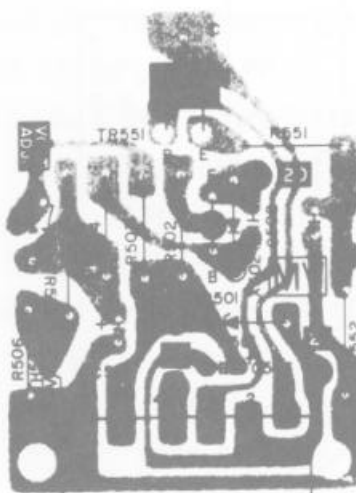
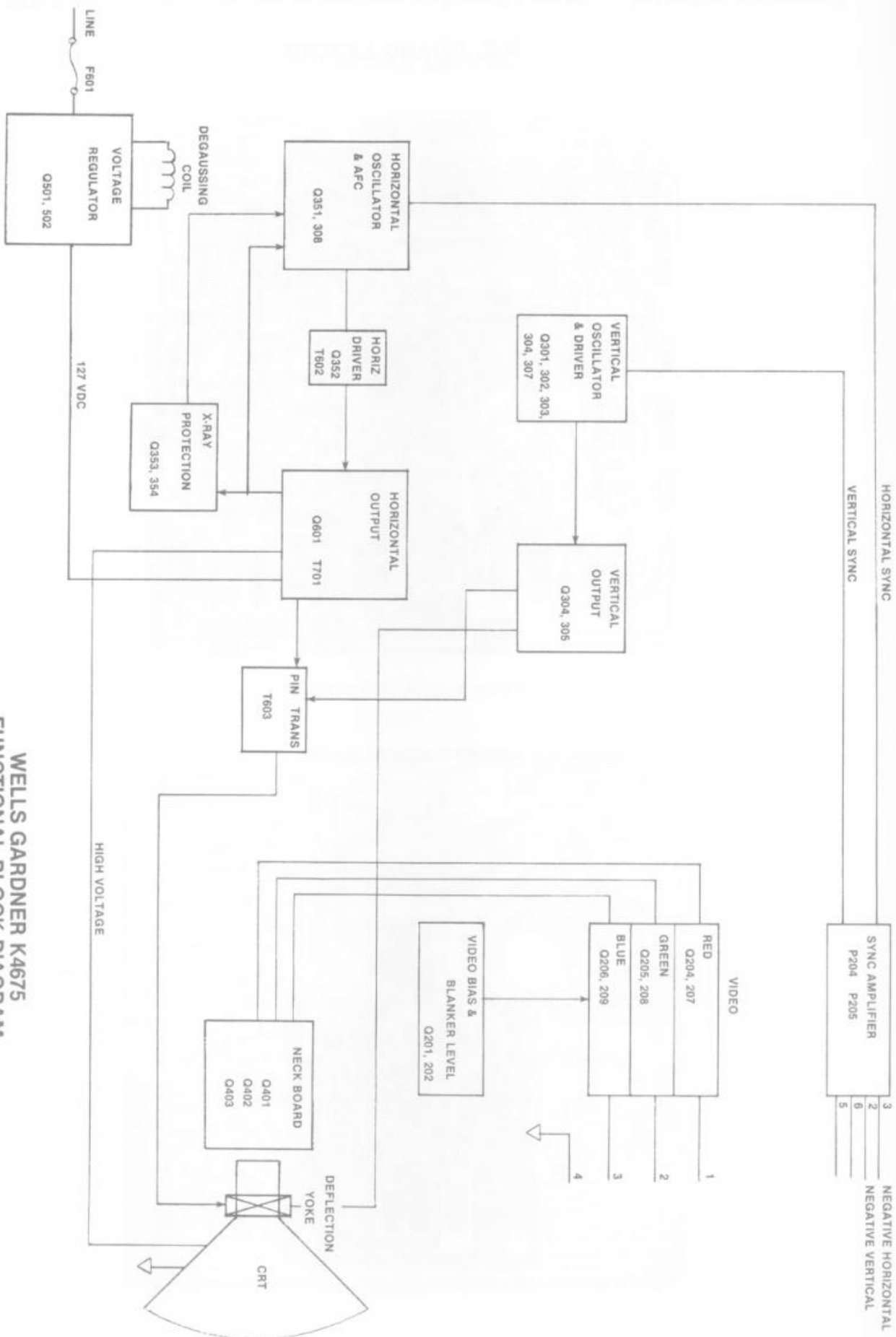


FIGURE 13. NECK P.C. BOARD



WELLS GARDNER K4675 FUNCTIONAL BLOCK DIAGRAM 200-0022



MAIN BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
CAPACITORS			
1		1000 μ F, 16V, Electrolytic	C201
2		330 pF, 500V, Ceramic	C202
3		220 pF, 500V, Ceramic	C203
4		220 pF, 500V, Ceramic	C204
5		470 μ F, 16V, Electrolytic	C205
6		0.1 μ F, 125V Mylar	C206
7		.022 μ F, 100V Mylar	C207
8		330 μ F, 50V Electrolytic	C301
9		0.033 μ F, 50V Mylar	C302
10		3.3 μ F, 50V Electrolytic	C303
11		0.068 pF, 50V Mylar	C304
12		2.2 μ F, 16V Tantal	C306
13		0.033 μ F, 50V Mylar	C307
14		3.3 μ F, 50V Electrolytic	C308
15		0.068 μ F, 100V PP	C309
16		10 μ F, 100V Electrolytic	C310
17		10 μ F, 160V Electrolytic	C311
18		1000 pF, 500V Ceramic	C312
19		47 μ F, 160V Electrolytic	C313
20		0.033 μ F, 200V PP	C314
21		1 μ F, 50V Electrolytic	C315
22		1 μ F, 50V Electrolytic	C351
23		47 μ F, 25V Electrolytic	C352
24		0.0082 pF, 50V Mylar-PP	C353
25		47 μ F, 25V Electrolytic	C354
26		0.0068 pF, 50V Mylar	C355
27		0.01 μ F, 500V Ceramic	C356
28		100 pF, 500V Ceramic	C359
29		0.0033 pF, 500V Ceramic	C360

MAIN BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
CAPACITORS			
30		0.01 uF, 500V Ceramic	C361
31		0.01 uF, 50V Ceramic	C362
32		8700 pF, 1.5 KV PP	C363
33		0.33 uF, 200V PP	C365
34	150-0074	22 uF, 25V Electrolytic	C366
35		6 uF, 500V Ceramic	C367
36		0.01 uF, 50V Ceramic	C368
37		0.1 uF, 100V PP	C372
38		470 uF, 500V Ceramic	C380
39		0.1 uF, 125V Mylar	C501
40		1500 pF, 500V Ceramic	C502
41		2200 pF, 125V Ceramic	C503
42		2200 pF, 125V Ceramic	C504
43		560 uF, 200V Electrolytic	C505
44		22 uF, 160V Electrolytic	C506
45		47 uF, 160V Electrolytic	C507
46		1000 uF, 25V Electrolytic	C701
47		10 uF, 100V Electrolytic	C702
48		1000 pF, 500V Ceramic	C703

MAIN BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
RESISTORS			
1		1K Ohm, 5%, 1/4W Carbon	R201
2		30 Ohm, 5%, 1/4W Carbon	R202
3		100 Ohm, 5%, 1/4W Carbon	R203
4		100 Ohm, 5%, 1/2W Carbon	R204
5		270 Ohm, 5%, 1/2W Carbon	R205
6		390 Ohm, 5%, 1/4W Carbon	R206
7		200 Ohm, 5%, 1/4W Carbon	R207
8		390 Ohm, 5%, 1/4W Carbon	R208
9		200 Ohm, 5%, 1/4W Carbon	R209
10		390 Ohm, 5%, 1/4W Carbon	R210
11		200 Ohm, 5%, 1/4W Carbon	R211
12		1K Ohm, 5%, 1/4W Carbon	R214
13		100K Ohm, 5%, 1/4W Carbon	R215
14		1K Ohm, 5%, 1/4W Carbon	R216
15		100 Ohm, 5%, 1/4W Carbon	R217
16		1K Ohm, 5%, 1/4W Carbon	R218
17		100K Ohm, 5%, 1/4W Carbon	R219
18		1K Ohm, 5%, 1/4W Carbon	R220
19		100 Ohm, 5%, 1/4W Carbon	R221
20		3.3 Ohm, 5%, 1/4W Carbon	R222
21		10 Ohm, 5%, 1/4W Carbon	R224
22		10 Ohm, 5%, 1/4W Carbon	R225
23		10 Ohm, 5%, 1/4W Carbon	R226
24		47K Ohm, 5%, 1/4W Carbon	R227
25		1K Ohm, 5%, 1/4W Carbon	R228
26		270 Ohm, 5%, 1/2W Carbon	R229
27		8.2K Ohm, 5%, 1/2W Comp.	R230
28		8.2K Ohm, 5%, 1/2W Comp.	R231
29		8.2K Ohm, 5%, 1/2W Comp.	R232

MAIN BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
RESISTORS			
30		180 Ohm, 5%, 1/4W Carbon	R233
31		82 Ohm, 5%, 1/4W Carbon	R234
32		82 Ohm, 5%, 1/4W Carbon	R235
33		82 Ohm, 5%, 1/4W Carbon	R236
34		270 Ohm, 5%, 1/4W Carbon	R301
35		8.2K Ohm, 5%, 1/4W Carbon	R302
36		8.2K Ohm, 5%, 1/4W Carbon	R303
37		2.2K Ohm, 5%, 1/4W Carbon	R304
38		6.8K Ohm, 5%, 1/4W Carbon	R305
39		7.5K Ohm, 5%, 1/4W Carbon	R306
40		5.6K Ohm, 5%, 1/4W Carbon	R307
41		22K Ohm, 5%, 1/4W Carbon	R309
42		39K Ohm, 5%, 1/4W Carbon	R310
43		3.3K Ohm, 5%, 1/4W Carbon	R311
44		4.7K Ohm, 5%, 1/4W Carbon	R312
45		1K Ohm, 5%, 5W Carbon	R313
46		220 Ohm, 5%, 1/4W Carbon	R314
47		10 Ohm, 5%, 1/4W Carbon	R315
48		3.3K Ohm, 5%, 1/4W Carbon	R316
49		12 Ohm, 5%, 1/2W Carbon	R317
50		390 Ohm, 5%, 1/4W Carbon	R318
51		1K Ohm, 5%, 1/4W Carbon	R319
52		33K Ohm, 5%, 1/4W Carbon	R320
53		270K Ohm, 5%, 1/2W Carbon	R321
54		10K Ohm, 5%, 1/4W Carbon	R322
55		10K Ohm, 5%, 1/4W Carbon	R351
56		3.9K Ohm, 5%, 1/4W Carbon	R352
57		68K Ohm, 5%, 1/4W Carbon	R353
58		3.3K Ohm, 5%, 1/4W Carbon	R354

MAIN BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
RESISTORS			
59		6.8K Ohm, 5%, 3W Metal Oxide	R355
60		56K Ohm, 5%, 1/2W Carbon	R358
61		470 Ohm, 5%, 1/4W Carbon	R360
62		10K Ohm, 5%, 1/4W Carbon	R361
63		1.8K Ohm, 5%, 1W Metal Oxide	R362
64		3.9K Ohm, 5%, 7W Metal Oxide	R363
65		22 Ohm, 5%, 1/4W Carbon	R364
66		33K Ohm, 5%, 1/4W Carbon	R365
67		10K Ohm, 5%, 1/4W Carbon	R367
68		330K Ohm, 5%, 1/2W Comp.	R368
79		680K Ohm, 5%, 1/2W Comp.	R369
70		33K Ohm, 5%, 1/4W Carbon	R370
71		1K Ohm, 5%, 1W Metal Oxide	R371
72		12K Ohm, 5%, 1W Metal Oxide	R372
73		6.8K Ohm, 5%, 1/2W Carbon	R375
74		270 Ohm, 5%, 2W Metal Oxide	R376
75		150 Ohm, 5%, 1/4W Carbon	R377
76		10K Ohm, 5%, 1/4W Carbon	R378
77		10K Ohm, 5%, 1/4W Carbon	R379
78		8.2K Ohm, 5%, 1/4W Carbon	R380
79		2.2K Ohm, 5%, 1W Metal Oxide	R381
80		150 Ohm, 5%, 1W Metal Oxide	R383
81		10K Ohm, 5%, 1/4W Carbon	R502
82		150 Ohm, 5%, 15W Metal Oxide	R503
83		47 Ohm, 5%, 1W Metal Oxide	R504
84		2.2K Ohm, 5%, 1/4W Carbon	R505
85		15 Ohm, 5%, 2W Metal Oxide	R506
86		330K Ohm, 5%, 1/2W Comp.	R507
87		3.3 Ohm, 5%, 10W WW	R601

MAIN BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
RESISTORS			
88		2.2 Ohm, 5%, 2W Metal Oxide	R701
89		2.2 Ohm, 5%, 1/2W Carbon	R702
90		2K Ohm-B Semi-Fixed	VR201
91		5K Ohm-B Semi-Fixed	VR301
92		500 Ohm-B Semi-Fixed	VR303
93		2K Ohm-B Semi-Fixed	VR351
94		2K Ohm-B Semi-Fixed	VR352

MAIN BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
SEMICONDUCTORS			
1	481-0175	Diode, IS2076-27	D203
2	481-0175	Diode, IS2076-27	D204
3	481-0175	Diode, IS2076-27	D205
4	481-0175	Diode, IS2076-27	D206
5	481-0175	Diode, IS2076-27	D207
6	481-0175	Diode, IS2076-27	D208
7	481-0175	Diode, IS2076-27	D209
8	481-0219	Diode, ISS81	D301
9	481-0175	Diode, IS2076-27	D302
10	481-0175	Diode, IS2076-27	D303
11	481-0244	Diode, RH-IV	D304
12	481-0244	Diode, RH-IV	D305
13	481-0175	Diode, IS2076-27	D306
14	481-0245	Diode, RM-1AV	D501
15	481-0245	Diode, RM-1AV	D502
16	481-0245	Diode, RM-1AV	D503
17	481-0245	Diode, RM-1AV	D504
18	481-0245	Diode, RM-1AV	D505
19	481-0245	Diode, RM-1AV	D506
20	481-0217	Diode, RU-2V	D701
21	481-0244	Diode, RH-1V	D702
22	482-0160	Transistor (NPN) 2SC1815GR	Q201
23	482-0160	Transistor (NPN) 2SC1815GR	Q202
24	482-0301	Transistor (PNP) 2SA562-Y-TM	Q203
25	482-0301	Transistor (PNP) 2SA562-Y-TM	Q204
26	482-0301	Transistor (PNP) 2SA562-Y-TM	Q205
27	482-0160	Transistor (NPN) 2SC1815GR	Q206
28	482-0160	Transistor (NPN) 2SC1815GR	Q207
29	482-0160	Transistor (NPN) 2SC1815GR	Q208

MAIN BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
SEMICONDUCTORS			
30	482-0302	Transistor (NPN) 2SC1851GR	Q209
31	482-0302	Transistor (NPN) 2SC1851GR	Q210
32	482-0302	Transistor (NPN) 2SC1851GR	Q301
33	482-0161	Transistor (NPN) 2SC2073LBGL2	Q302
34	482-0161	Transistor (NPN) 2SC2073LBGL2	Q303
35	482-0303	Transistor (NPN) 2SC2482BK	Q351
36	482-0202	Transistor (NPN) 2SD898B	Q352
37	313-0132	IC HA11423	IC301
38	313-0129	IC STR381	IC501

MAIN BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
TRANSFORMERS & COILS			
1	181-0035	Coil, (RF Choke)	L351
2	181-0036	Coil, Horiz., Size	L352
3	181-0037	Coil, Adg.	L701
4	560-0121	Transformer, Hor. Drive	T351
5	560-0122	HV-Unit M-11	T352

MAIN BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
MISCELLANEOUS			
1		Fuse, 4 Amp. 125V	F501
2		Recap W Wire 3P-M-BG	J402
3		Plug, PWB 3P-J	P201
4		Plug, PWB 6P-Q	P202
5		Plug, PWB 4P-B	P401
6		Plug, PWB 2P-B	P501
7		Plug, PWB 4P-C	P601
8	478-0012	Thermistor	TH501

MAIN BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
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FINAL ASSEMBLY

1	200-0093	19VLT22 Pix Tube	
2	834-5030	Lateral/Purity Assembly	
3	200-0092	Yoke Deflection	
4	834-5031	CRT Socket	
5	181-0038	Automatic Degaussing Coil Unit	

NECK BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
RESISTORS			
1		220 Ohm, 5%, 1/4W Carbon	R401
2		390 Ohm, 5%, 1/4W Carbon	R402
3		820 Ohm, 5%, 1/4W Carbon	R403
4		220 Ohm, 5%, 1/4W Carbon	R404
5		390 Ohm, 5%, 1/4W Carbon	R405
6		820 Ohm, 5%, 1/4W Carbon	R406
7		470 Ohm, 5%, 1/4W Carbon	R407
8		270 Ohm, 5%, 1/4W Carbon	R408
9		820 Ohm, 5%, 1/4W Carbon	R409
10		15K Ohm, 5%, 2W M.O. Forming	R410
11		15K Ohm, 5%, 2W M.O. Forming	R411
12		15K Ohm, 5%, 2W M.O. Forming	R412
13		2.7K Ohm, 5%, 1/2W Comp.	R413
14		2.7 Ohm, 5%, 1/2W Comp.	R414
15		2.7K Ohm, 5%, 1/2W Comp.	R415
16		2.2 Ohm, 5%, 2W Metal Oxide	R416
17		2.7K Ohm, 5%, 1/4W Carbon	R419
18		2.7K Ohm, 5%, 1/4W Carbon	R420
19		2.7K Ohm, 5%, 1/4W Carbon	R421
20		500 Ohm, -B Semi-Fixed	VR401
21		500 Ohm, -B Semi-Fixed	VR402
22		5K Ohm, -B Semi-Fixed	VR403
23		5K Ohm, -B Semi-Fixed	VR404
24		5K Ohm, -B Semi-Fixed	VR405

NECK BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
CAPACITORS			
1		1200 pF, 500V Ceramic	C401
2		1000 pF, 500V Ceramic	C402
3		1000 pF, 500V Ceramic	C403
4		1500 pF, 1.5 KV Ceramic	C404
5		0.01 uF, 500V Ceramic	C405

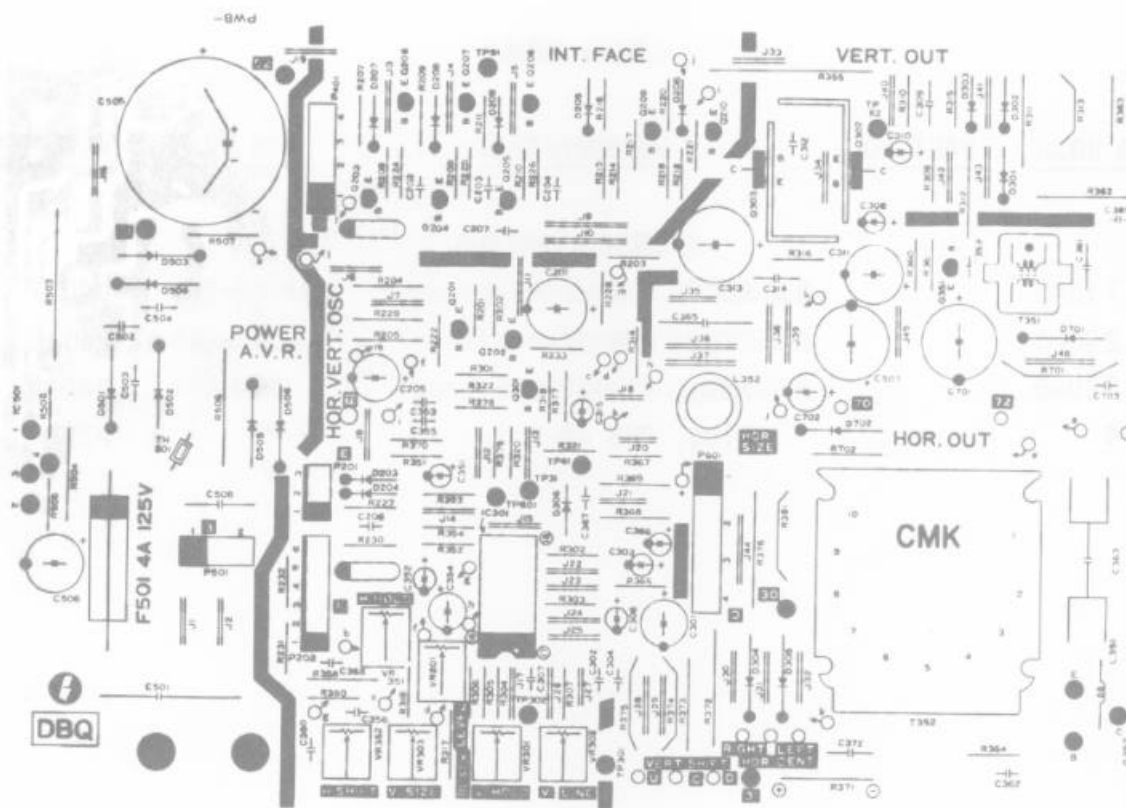
NECK BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
SEMICONDUCTORS			
1	482-0304	Transistor (NPN) 2SC2068LB	Q401
2	482-0304	Transistor (NPN) 2SC2068LB	Q402
3	482-0304	Transistor (NPN) 2SC2068LB	Q403
4		10K 1/4W 5% Carbon	R404
5		10K 1/4W 5% Carbon	R405
6		10K 1/4W 5% Carbon	R406
7		10K 1/4W 5% Carbon	R407
8		10K 1/4W 5% Carbon	R408
9		10K 1/4W 5% Carbon	R409
10		10K 1/4W 5% Carbon	R410
11		10K 1/4W 5% Carbon	R411
12		10K 1/4W 5% Carbon	R412
13		10K 1/4W 5% Carbon	R413
14		10K 1/4W 5% Carbon	R414
15		10K 1/4W 5% Carbon	R415
16		10K 1/4W 5% Carbon	R416
17		10K 1/4W 5% Carbon	R417
18		10K 1/4W 5% Carbon	R418
19		10K 1/4W 5% Carbon	R419
20		10K 1/4W 5% Carbon	R420
21		10K 1/4W 5% Carbon	R421
22		10K 1/4W 5% Carbon	R422
23		10K 1/4W 5% Carbon	R423
24		10K 1/4W 5% Carbon	R424
25		10K 1/4W 5% Carbon	R425
26		10K 1/4W 5% Carbon	R426
27		10K 1/4W 5% Carbon	R427
28		10K 1/4W 5% Carbon	R428
29		10K 1/4W 5% Carbon	R429
30		10K 1/4W 5% Carbon	R430
31		10K 1/4W 5% Carbon	R431
32		10K 1/4W 5% Carbon	R432
33		10K 1/4W 5% Carbon	R433
34		10K 1/4W 5% Carbon	R434
35		10K 1/4W 5% Carbon	R435
36		10K 1/4W 5% Carbon	R436
37		10K 1/4W 5% Carbon	R437
38		10K 1/4W 5% Carbon	R438
39		10K 1/4W 5% Carbon	R439
40		10K 1/4W 5% Carbon	R440
41		10K 1/4W 5% Carbon	R441
42		10K 1/4W 5% Carbon	R442
43		10K 1/4W 5% Carbon	R443
44		10K 1/4W 5% Carbon	R444
45		10K 1/4W 5% Carbon	R445
46		10K 1/4W 5% Carbon	R446
47		10K 1/4W 5% Carbon	R447
48		10K 1/4W 5% Carbon	R448
49		10K 1/4W 5% Carbon	R449
50		10K 1/4W 5% Carbon	R450

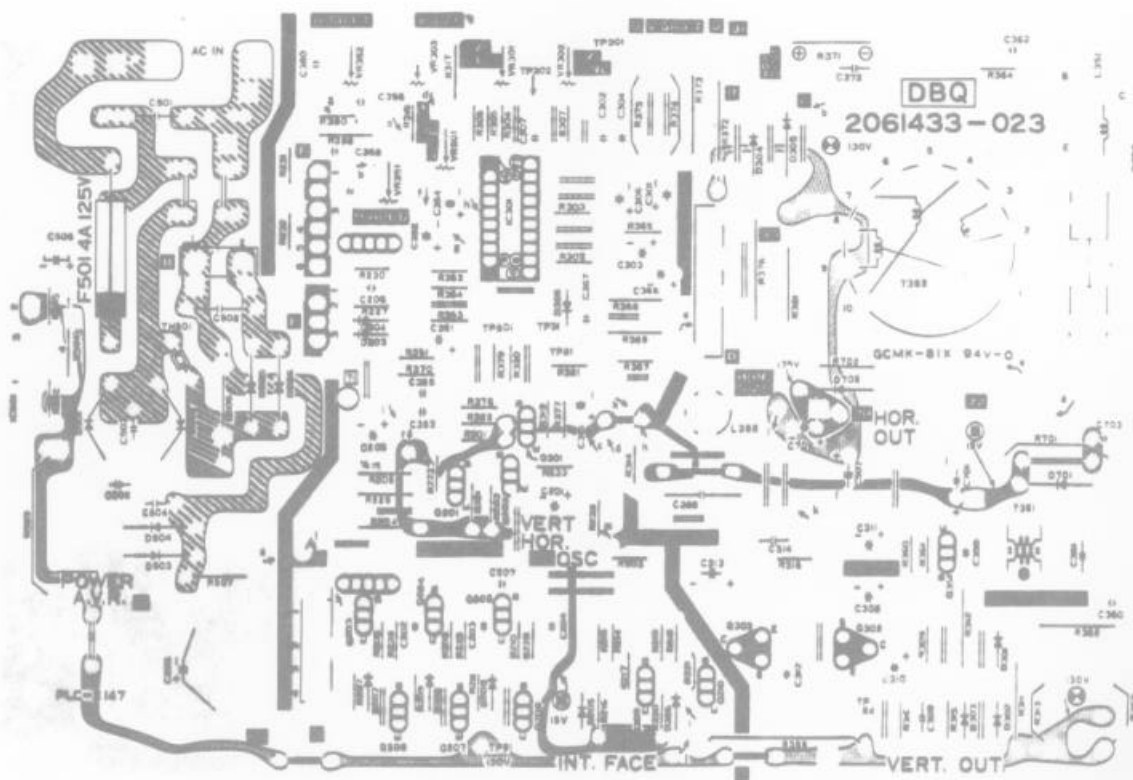
NECK BOARD

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REF. DESG.</u>
MISCELLANEOUS			
1		RECEP W Wire 4P-E	J401
2		Plug, PWB 3P-A	P402
3		Plug, Pin 1P-D	P403
4		Plug, PWB 4P-E	P701

P.C. BOARD LAYOUT

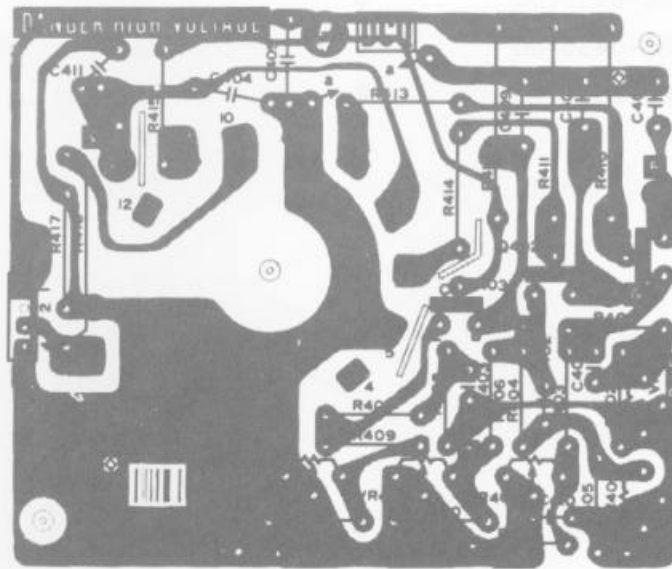


TOP VIEW

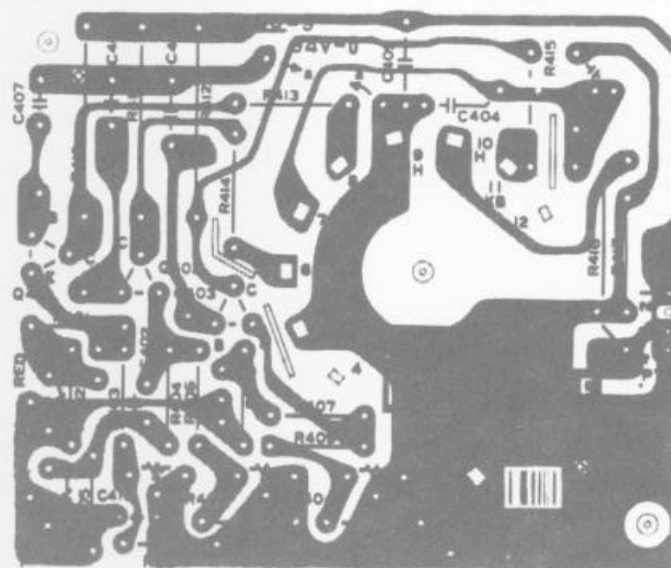


BOTTOM VIEW

P.C. BOARD LAYOUT



TOP VIEW

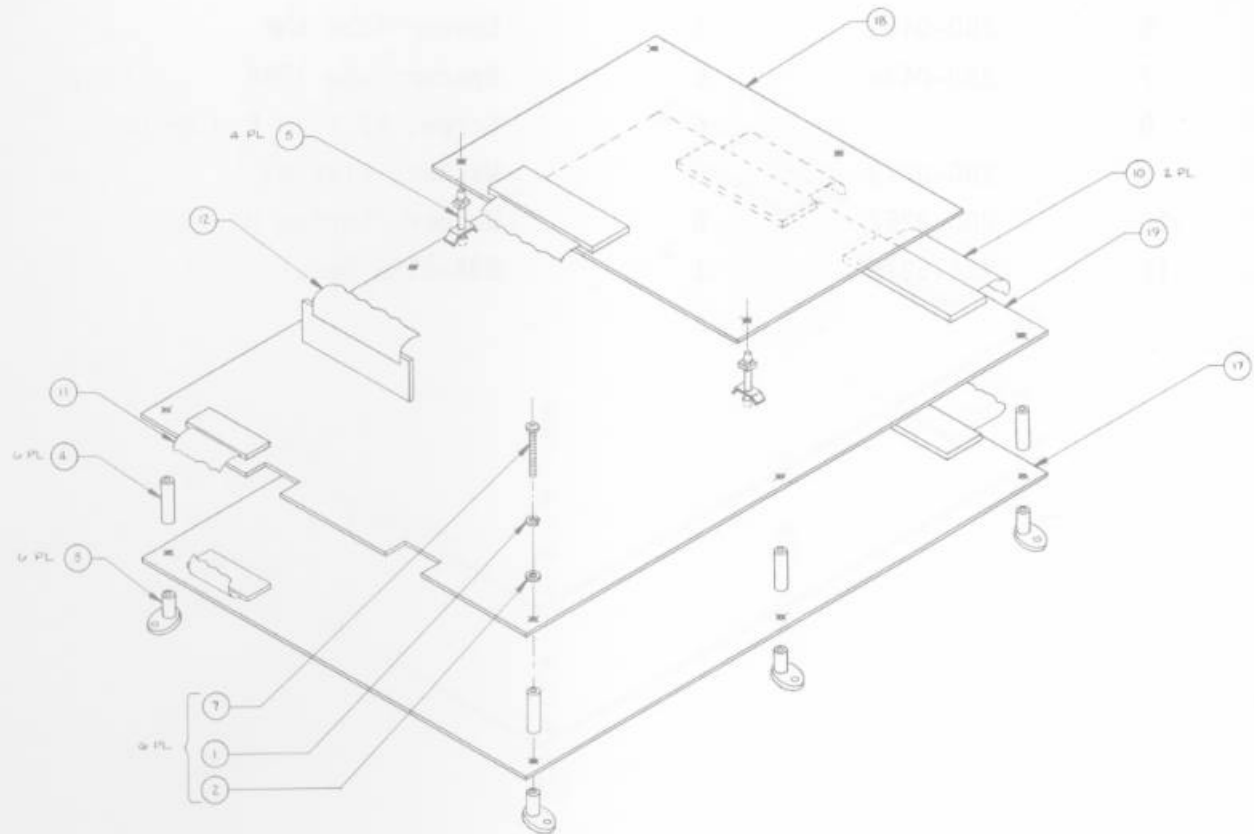


BOTTOM VIEW

IC BOARD ASSEMBLY

DRAWING NUMBER 834-5197

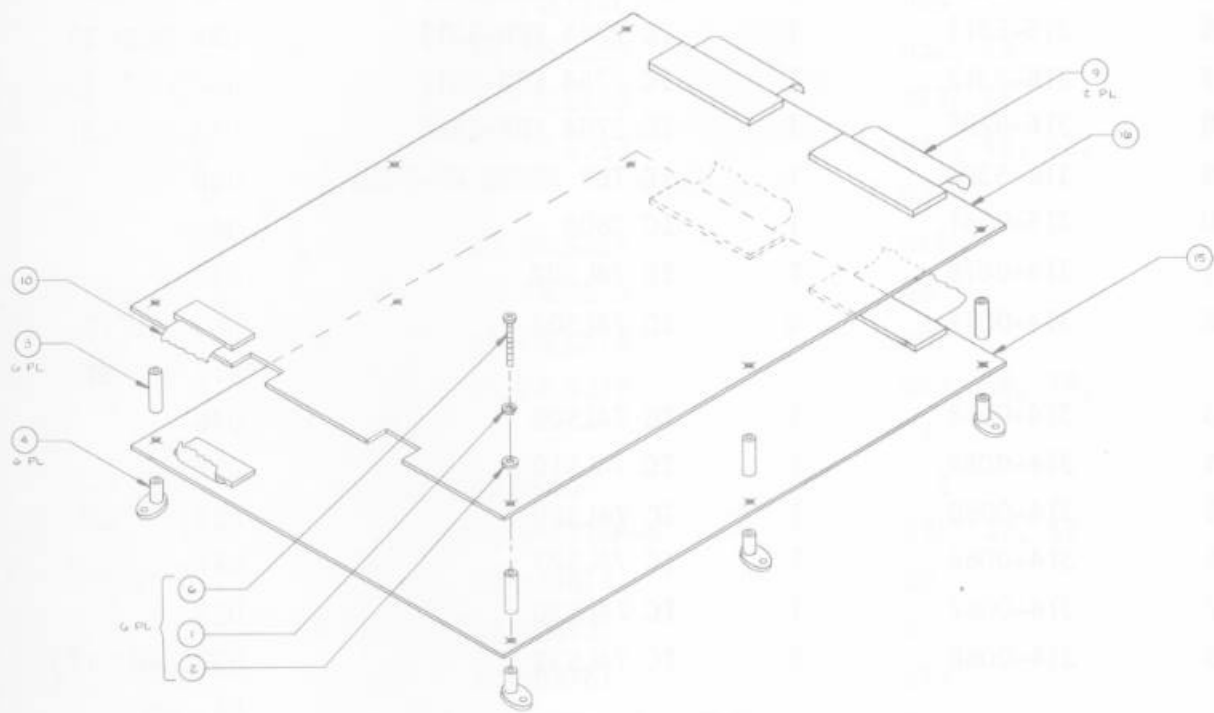
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY REQD.</u>	<u>DESCRIPTION</u>
1	280-0257-00	6	Spring Washer, M3
2	280-0273-00	6	Flat Washer, M3
3	280-0435-00	6	Spacer, 6MM
4	280-0436-00	6	Spacer, 15MM
5	280-5013-00	4	Locking Support
6			
7	285-0002-30		Screw, M3-0.5 PN HD PHIL
8			
9			
10	600-5003-00	2	Fem 50P Flat Cable Assy
11	600-5006-00	1	Fem 10P Flat Cable Assy
12	600-5037-00	1	Fem 40P Flat Cable Assy
13			
14	601-0740	6	S-Lock
15			
16			
17	834-5167-00	1	Video Board Assy
18	834-5168-00	1	Sound Board Assy
19	834-5166-00	1	Control Board Assy



IC BOARD ASSEMBLY

DRAWING NUMBER 834-5198

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY REQD</u>	<u>DESCRIPTION</u>
1	834-5212	1	Control Board II Assembly
2	834-5167	1	Video Board Assembly
3	600-5003	2	50P Flat Cable & Fem. Assembly
4	600-5006	1	10P Cable & Fem Assembly
5	601-0740	6	S-Lock
6	280-0435	6	Spacer Tube 6MM
7	280-0436	6	Spacer Tube 15MM
8		6	Screw, M3 X 30 P.H.PHIL
9	280-0273	6	Washer, Flat M3
10	280-0257	6	Washer, Spring M3
11	421-5278	1	834-5198 Decal



CONTROL BOARD ASSEMBLY

DRAWING NUMBER 834-5166

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u> <u>REQ'D</u>	<u>DESCRIPTION</u>	<u>REF NO.</u>
1	171-5205	1	PC Board	
2	530-5004	1	Heat Sink 6.2 ⁰ C/W	
3	421-5256	1	Sticker 834-5207	
4	316-5309	1	IC 2764 EPR-5309	U35 (ROM 1)
5	316-5310	1	IC 2764 EPR-5310	U34 (ROM 2)
6	316-5311	1	IC 2764 EPR-5311	U33 (ROM 3)
7	316-5312	1	IC 2764 EPR-5312	U32 (ROM 4)
8	316-5295	1	IC 2764 EPR-5295	U76 (ROM 5)
9	316-5308	1	IC TBP 28S42 PR-5308	U68
10	315-0041	1	IC Z80A	U4
11	314-0078	1	IC 74LS02	U42
12	314-0019	6	IC 74LS04	U6, 20, 29, 31, 43, 51
13	314-0058	1	IC 74LS08	U46
14	314-0059	1	IC 74LS10	U17
15	314-0060	1	IC 74LS20	U24
16	314-0066	1	IC 74LS27	U71
17	314-0067	1	IC 74LS30	U25
18	314-0068	5	IC 74LS32	U38, 40, 47, 54, 80
19	314-0062	4	IC 74LS74	U18, 19, 41, 44
20	314-0070	1	IC 74LS86	U50
21	314-0040	1	IC 74LS125	U10
22	314-0056	1	IC 74LS132	U21
23	314-0104	2	IC 74LS138	U55, 56
24	314-0087	1	IC 74LS139	U39
25	314-0076	7	IC 74LS157	U60, 61, 69, 70, 77, 78, 79
26	314-0127	2	IC 74LS164	U22, 23
27	314-0072	2	IC 74LS174	U66, 67

CONTROL BOARD ASSEMBLY

DRAWING NUMBER 834-5166

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u> <u>REQ'D</u>	<u>DESCRIPTION</u>	<u>REF NO.</u>
28	314-0073	6	IC 74LS175	U14, 15, 16, 27, 28, 30
29	314-0083	1	IC 74LS240	U64
30	314-0055	4	IC 74LS244	U5, 7, 26, 65
31	314-0099	1	IC 74LS245	U45
32	314-0143	2	IC 74LS259	U52, 53
33	314-0122	2	IC 74LS299	U73, 75
34	314-0272	4	IC 74LS353	U48, 49, 62, 63
35	314-0102	1	IC 74LS367	U11
36	314-0131	1	IC 74LS373	U8
37	314-0093	1	IC 74LS374	U81
38	314-0119	4	IC 74LS377	U57, 58, 74, 77
39	313-0022	1	IC NE556	U12
40	315-	3	IC HM6116P-4	U36, 37, 59
41	315-0146	1	IC MB3614	U2
42	313-	1	IC MB3731	U1
43	313-0110	1	IC MB3761	U13
44	315-5019	1	IC Controller Chip G501564	U9
45	213-0008	1	SKT 20 Pin	
46	213-0012	5	SKT 28 Pin	
47	213-0005	2	SKT 40 Pin	
48	213-0001	3	SKT 24 Pin	
49	212-0098	1	Conn M 10 Pin	
50	212-0133	2	Conn M 50 Pin	
51	212-5001	1	Conn M 40 Pin	
52	211-0168	4	Conn Pin Test PT	
53	470-01R0	2	Res 1 Ohm 1/4W 5%	
54	470-0220	2	Res 22 Ohm 1/4W 5%	