

DRAWING SET (Upright)



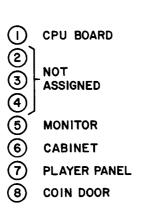
FOR SERVICE...
NOTE NEW TOLL-FREE
TELEPHONE NUMBERS:

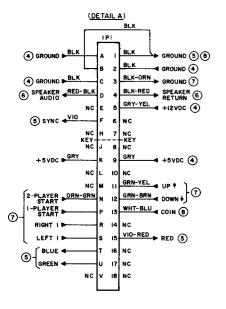
800-621-1253 IN ILLINOIS CALL: 800-572-1324 Williams & WILLIAMS INC.

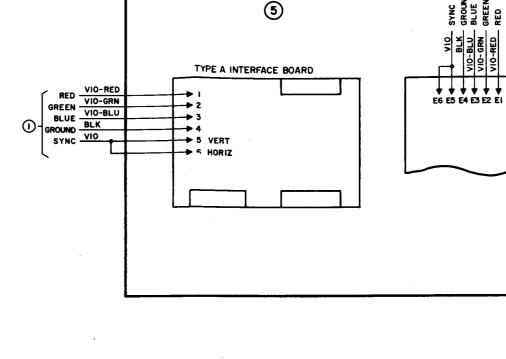
3401 N. California Ave., Chicago, IL 60618 Cable Address: WILCOIN, CHICAGO (312) 267-2240

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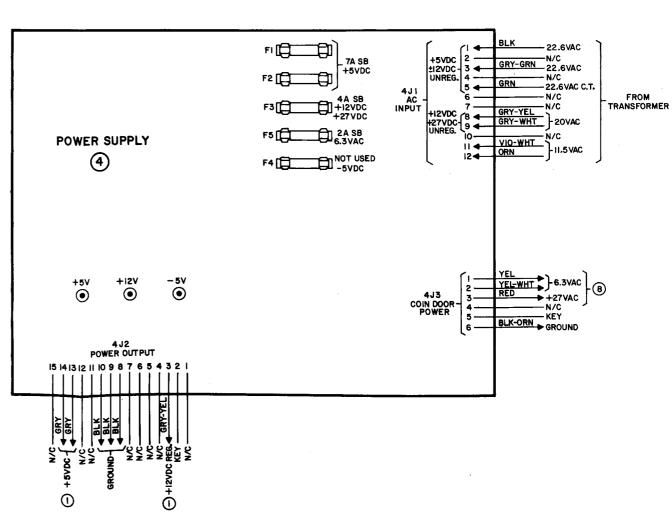


MONITOR

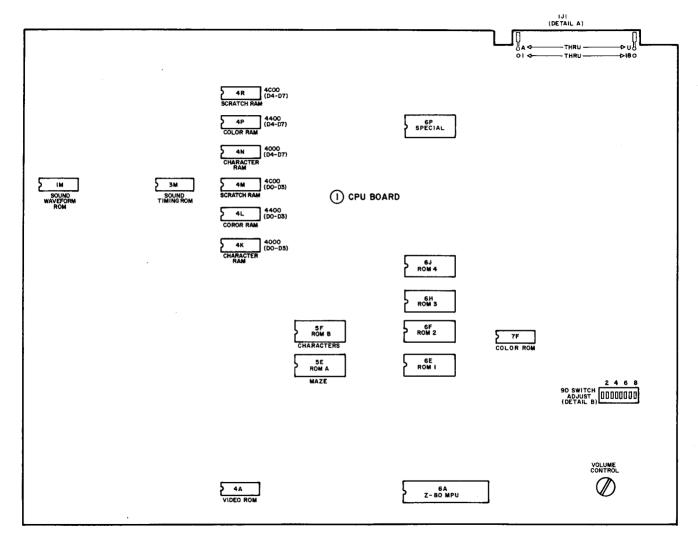
(DETAIL B)

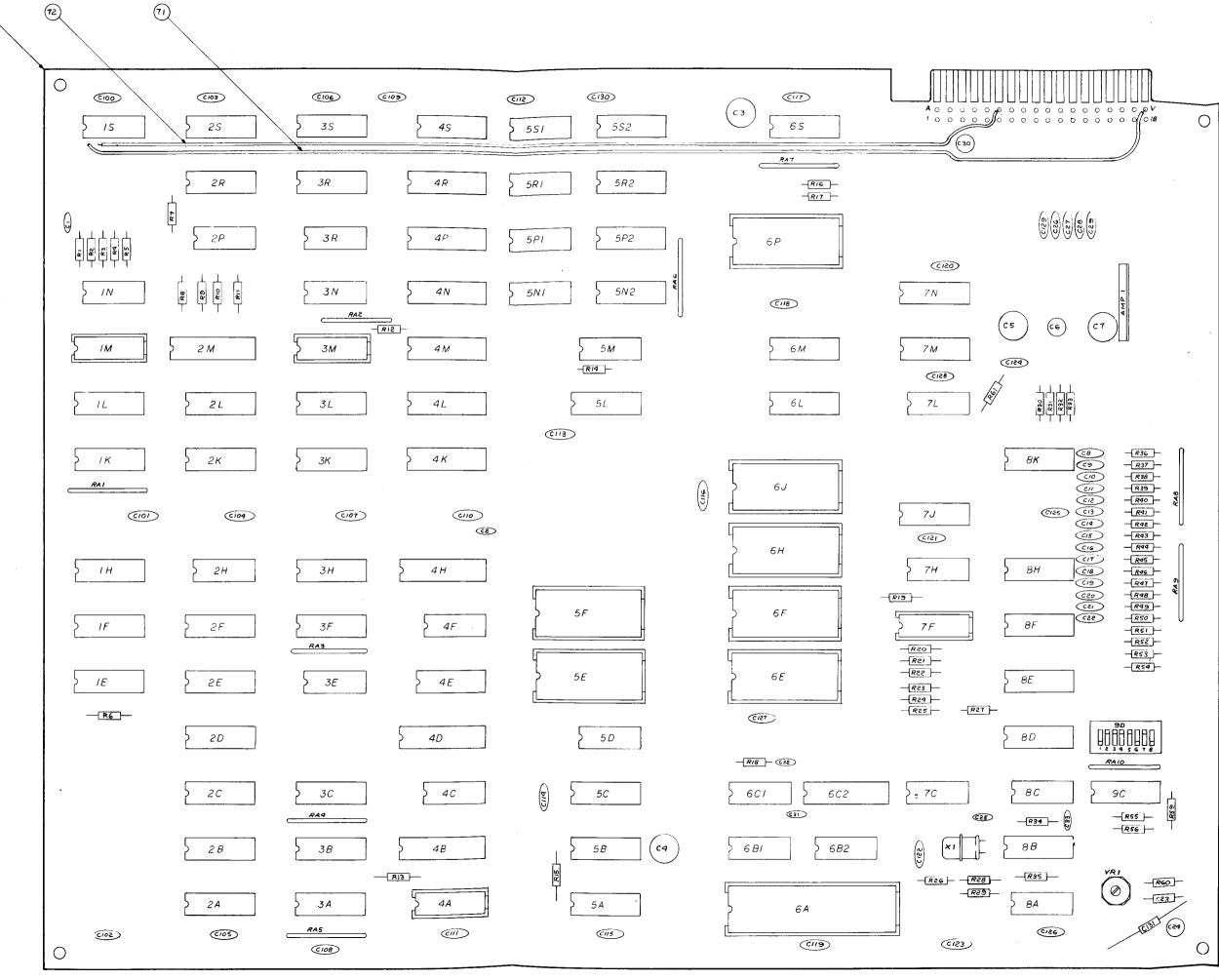
SWITCH NUMBER								
ADJUSTMENT	1	2	3	4	5	6	7	**8
*RECOMMENDED	OFF	ON	ON	ON	ON	OFF	ON	OFF
1 PLAY/2 COINS	OFF	OFF						
2 PLAYS/1 COIN	ON	OFF						
*1 PLAY/1 COIN	OFF	ON						
FREE PLAY	ON	ON						
6 BRUSHES			OFF	OFF				
5 BRUSHES			ON	OFF		-		
4 BRUSHES			OFF	ON				
*3 BRUSHES		l	ON	ON				
FIRST PATTERN EASY		i		!	OFF			
*FIRST PATTERN DIFFICULT		<u> </u>			ON			
*WARP HOLE DISABLED						OFF		
WARP HOLE ENABLED						ON		
TABLE GAME							OFF	
UPRIGHT		1					ON	

^{**} SET SWITCH 8 TO ON TO FREEZE PATTERN FOR MONITOR ADJUSTMENTS.



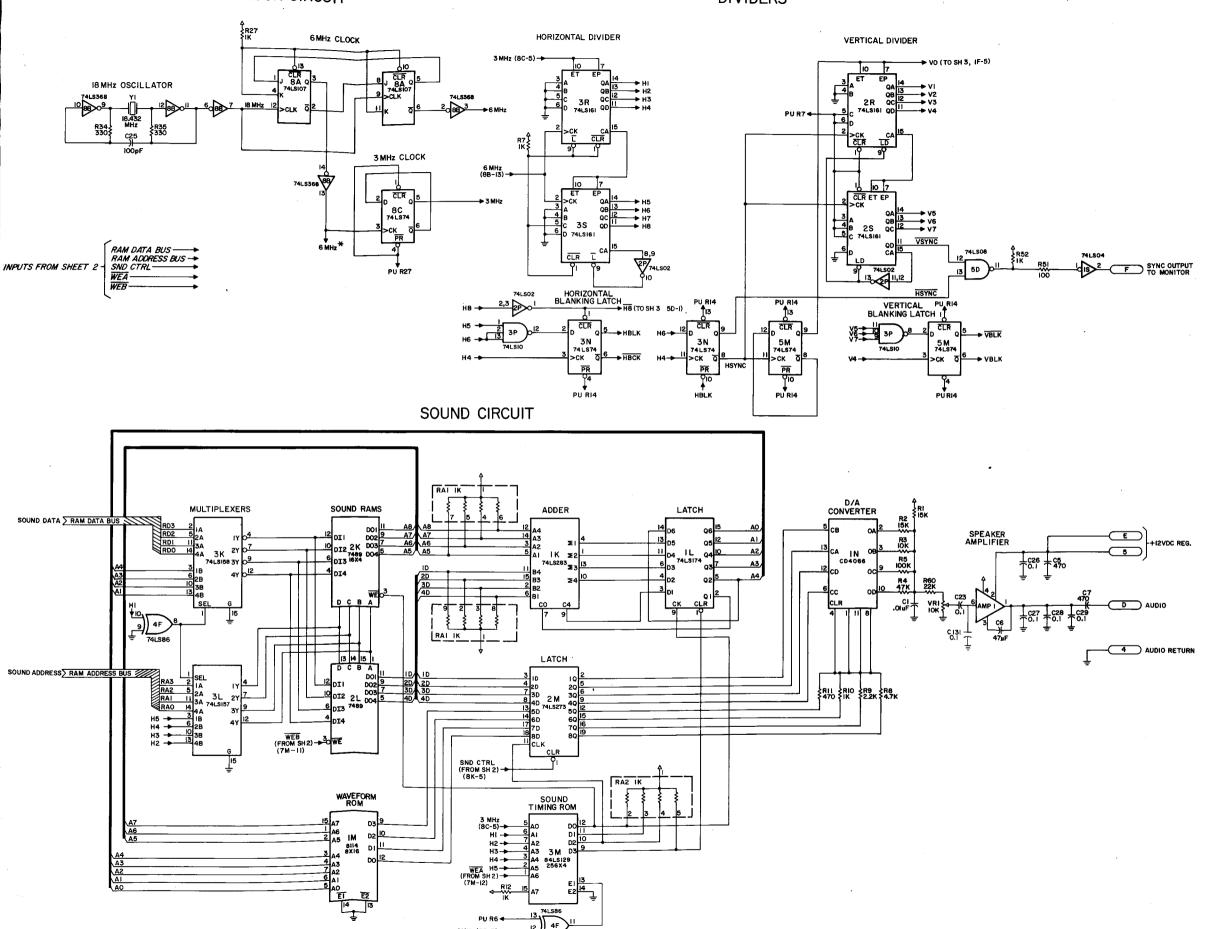
TYPE B MAIN PCB ASSY

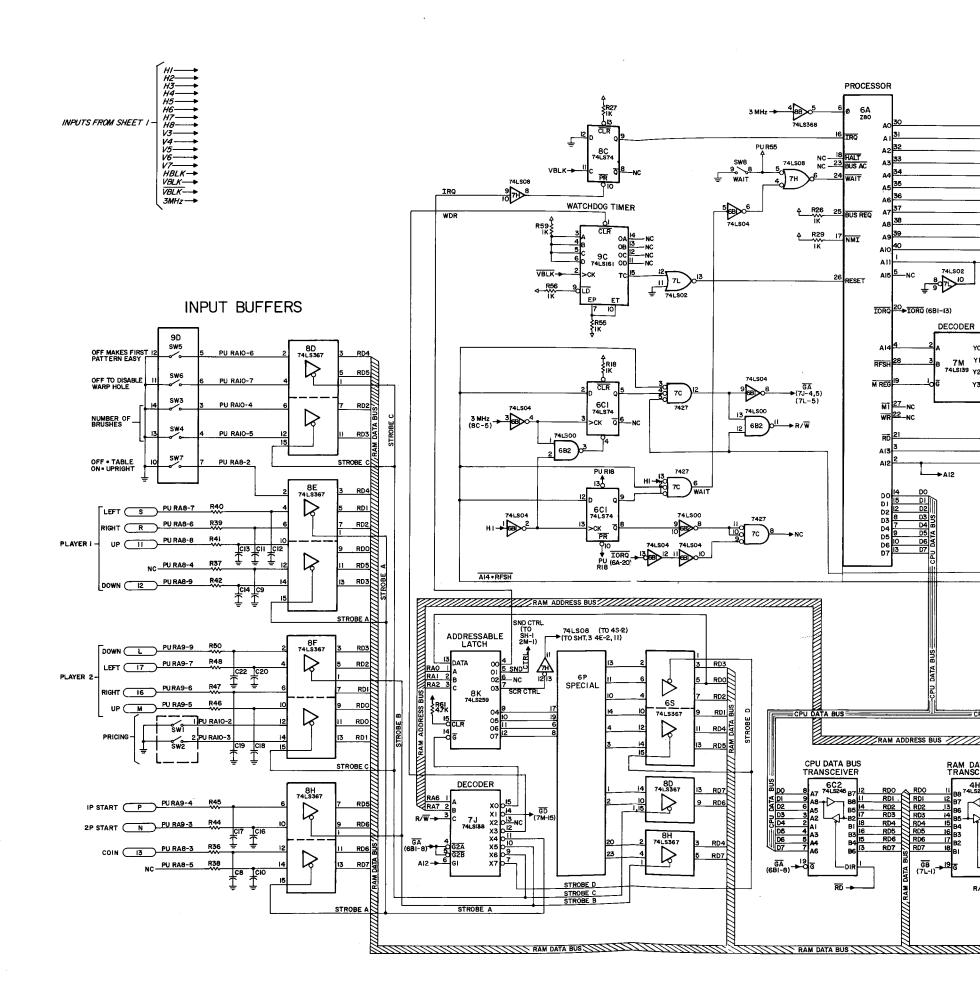


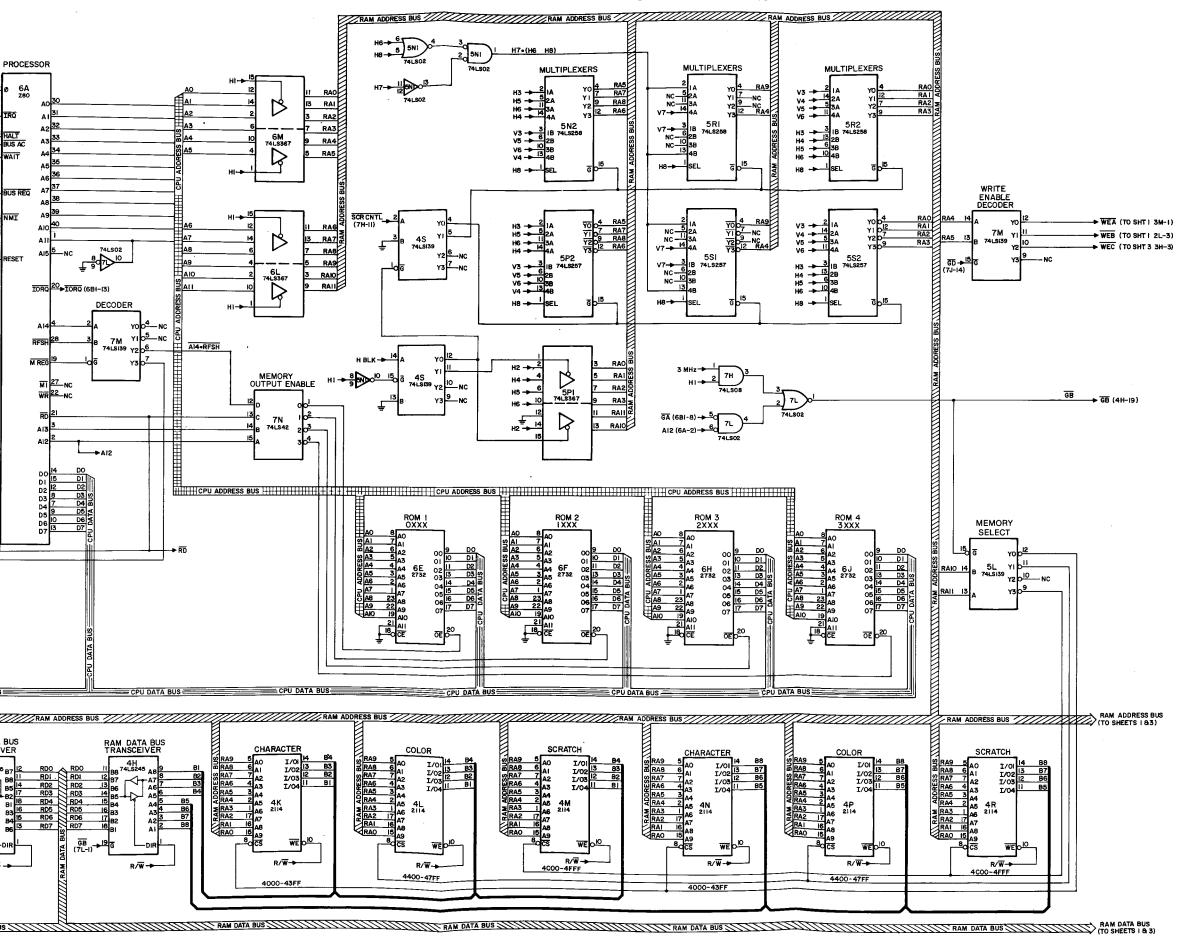


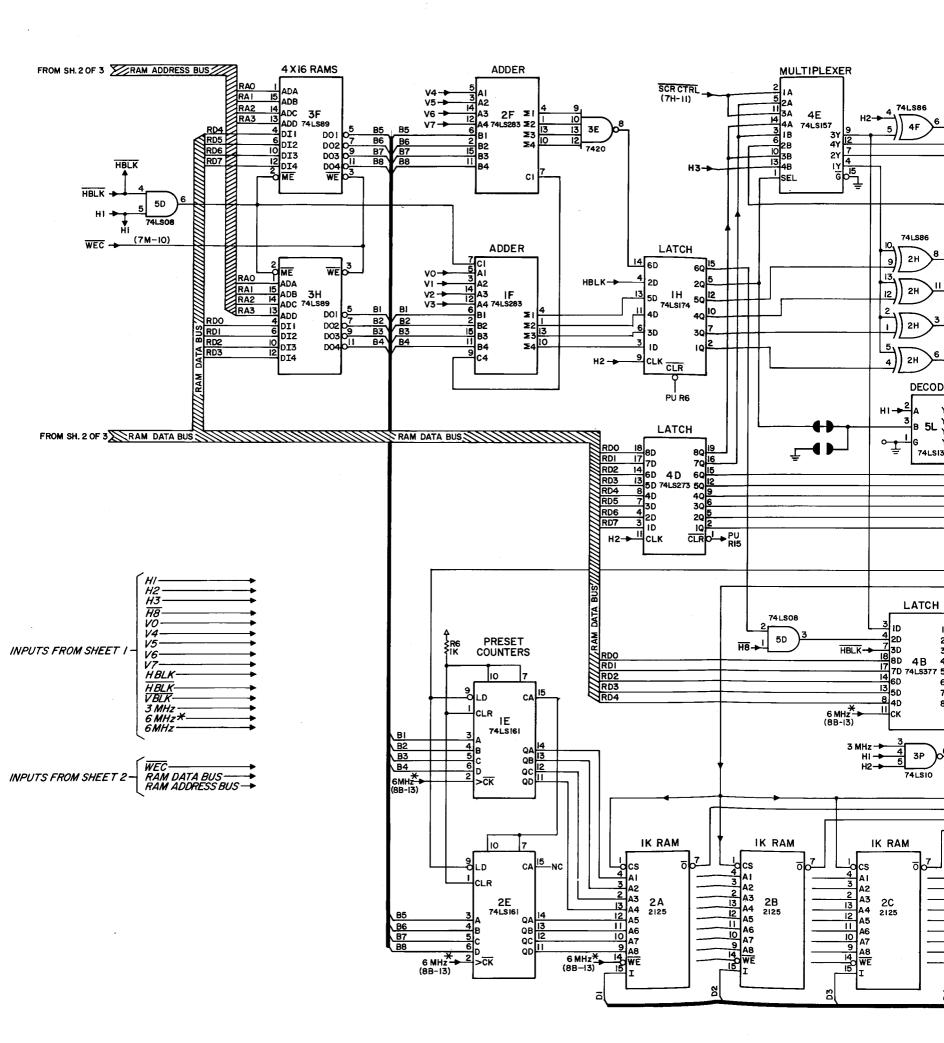
BILL OF MATERIAL					
NO.	PART NO.	PART . DESIGNATION	DESCRIPTION	REQ'D	
1	5770 - 09754-00		BARE P.C. BOARD	1	
2	5010 - 08774 -00	RI, R2, 60	RESISTOR 22 K 14W 5%	3	
3	5010- 08998-00	R9	RESISTOR 2.2K KAW 5 %	1	
4	5010- 09001-00	R34, R35	RESISTOR 330 14 W 5%	г	
5	5010 - 09039 - 00	R3	RESISTOR IOK WW 5%	i	
6	5010 - 09035 - 00	R4, R8	RESISTOR 47K MW 5%	2	
7	5010 - 09036 - 00	R51	RESISTOR 100 YAW 5%	1	
8	5010- 09160	R22, 25, 28, 36 - 50, 54	RESISTOR 220 14W 5%	19	
9	5010- 09162-00	R5	RESISTOR 100K 4W 5%	1	
10	5010 - 09358-00	RG, 7, 10, 12-20, 24 26, 27, 29, 30-33, 52, 55, 56, 59	RESISTOR IK 14W 5%	24	
11	5010 - 09416-00	RII, RZI, R53	RESISTOR 470 4W 5%	3	
12	5010 - 09768-00	R23	RESISTOR 180 YAW 5%	1	
13	5014 - 09755-00	VRI	VARIABLE RESISTOR	1	
14	5019 - 09748-00	RAI, RA3, RA4, RAG- RAIO	S. I. P. IK 8R, 9, 5%	8	
15	5040- 09776-00	C3, C4, C5, C7	CAPACITOR, +50-10 470 MFD 16V RAUIAL	a	
16	5040 - 09771-00	c30	CAPACITOR, +50-10 10 MFD 16V RADIAL	1	
17	5043- 08980-00	C1	CAPACITOR .01 MFD 50V +80-20	ı	
18	5 <i>0</i> 43- 09773-00	C8-C22,C2.6 -	CAPACITOR .I MFD 18V +80-20	50	
19	5043 - 09492-00	C31, C32, C33, C25	CAPACITES 130 PFD 50V ±10	. 4	
20	5043- 09775-00	ce	CAPACITOR 330 PFD 18V +20-20	1	
SI	5280- 09530-00	3 <i>E</i>	IC7420, DUAL 4 IN NAND	1	
22	5280-	7C	I.C.7427 3 IN NOR		
23	5280-	2K, 2L, 3F, 3H	I.C.7489 16 x 9 RAM	4	
24	5281-	GBI, 15	ICTALSO4 HEX INV	2	
25	5281- 09235-00	3 <i>P</i>	I.C.79LSIO 3IN NAND	,	
56	5281- 09246-0	45, 5L, 7M	I.C.TALS139 2-4 DECODER	. э	
27	5281 - 09247-00	2 P, 5N1, 7L	IC.79LSOZ Z IN NOR	3	
28	5281-	4H, 6C2	IC.74LS295 OCTAL TRANSCEIVER	. s	
29	5281-	65, 80, 8E, 6F	ICTALS367 HEX BUFFER	8	
30	5281 - 09480 - 00	8H, 5PI, 6L, 6 M	TITALSIOT DUAL	,	
31	5281-	7N	IC74L542 BCD - DECODER		
	5281 - 09485-00	581,582,582	I.C.79LS257 QUAD 2-1 MULTX	. 3	
33	5281-	3N, 5M, GCI, FC	LC.74LS74 DUAL	4	
34	09487-20 5281- 09499-00	4C, 6B2	I.C.79L500 QUAD 2 IN NAND	2	
35	5281-	1L, 1H	I.C.74LS174	ے	
36	09733 - 00 5281 -	1K, 1F, 2F	HEX F/F I.C.74LS283	3	
37	5281 - 09735 - 00	1E, 25, 2R, 2E	ADDR 4B	7	
38	5281-	3R,3S, 9C	BIN CTR IC74LS273	2	
39	09736-00 5281-	гн, 4 F	CCTAL F/F	2	
90	09737- 5281-	3B, 3L,	QUAD OR IC74LS157 MLTPX	4	
41	09738-00 5281-	4£ 5A 3A,3K	1C.74LSI58	5	
42	09739-00 5281-	30,311	MLTPX I IC.74LS3T5		
43	5281-	48	LATCH LC79L5377		
44	09741 - 00 5281 -	5B, 5¢	CUAD F/F	2	
45	5281 -	5D,7H	SHFT/R ILTALSOB	٤	
96	5281-	5R1,5N2,5R2	QUAD 2 IN AND	3	
47	09744 - 00 5281 -	7J	MLTPX LLT4LS138	-	
48	09745-00 5281-	88	DMLTPX I.C.74LS368	· .	
49	09746-00 528/-	8 K	HEX INV IC79LS2S9	1	
1	09747-00		LATCH	, ,	

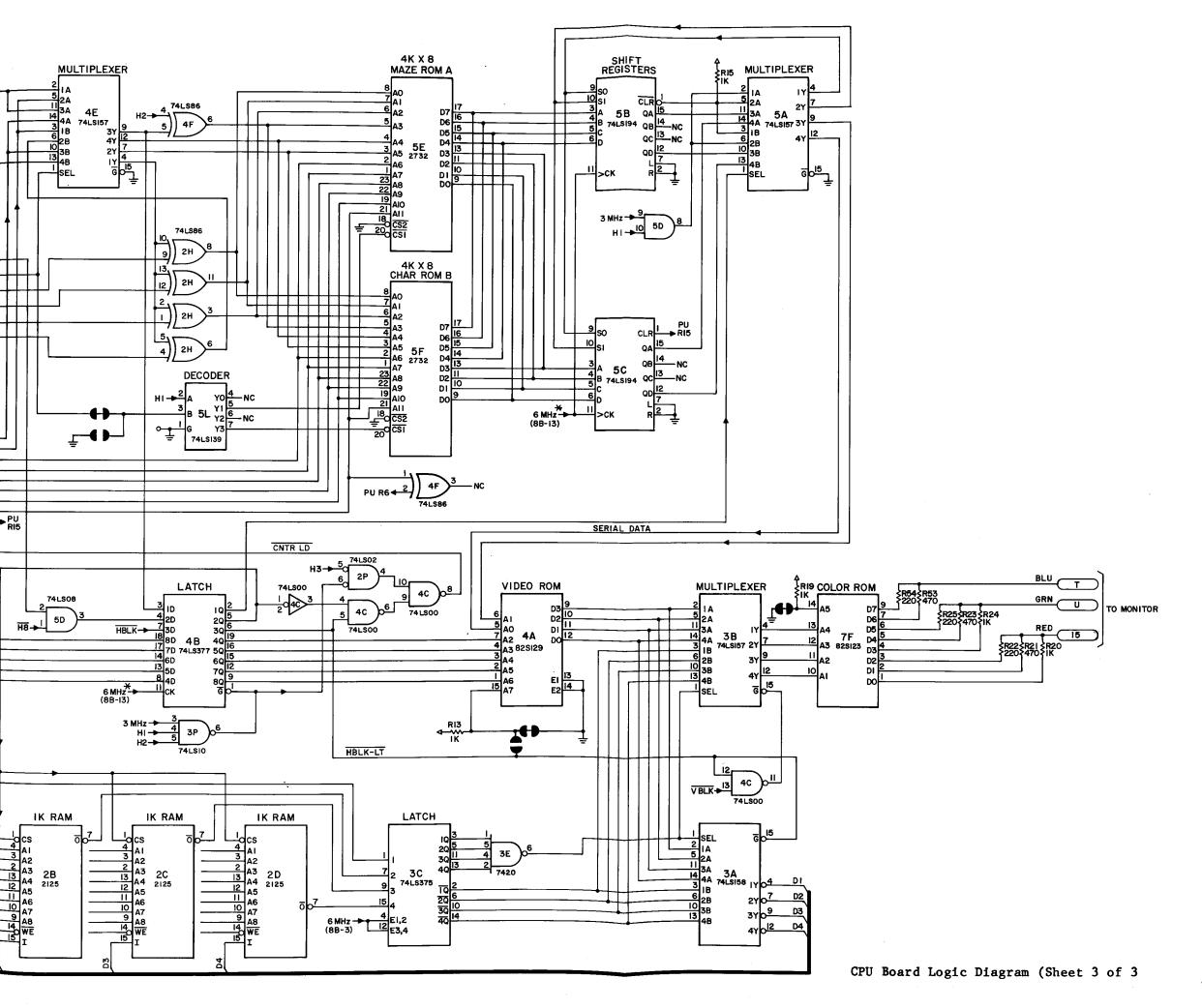
ITEM	PART	PART DESIGNATION	DESCRIPTION	REQ'D
NO. 50	NO. 5282- 09758-00		ICM/TRX COLOR PROM	,
51	5282-	1M	ILM/TRX WAVE FORM GENERATOR	1
5 2	5282 - 09 760 - 00	3M	SOUND CONTROL ASM	1
53	5282- 09761-00	44	ILM/TRX VIDEO GENERATOR ASM	1
54	5310 - 09772-00	/ N	ICC D4066, 4 A/SW	
55	5340- 09751-00	2A,28,2c,20	ICRAM/S 2125AL IK x 1	a
56	5340- 09752-00	9L,9M,4N	ICRAM/S 2114-3 IK × 4	6
57	A-5343- 09762-	5 E	IGM/TRX ROM A ASM	1
58	A-5343 - Q9763-	5 F	IGM/TRX ROM B ASM	1
59	A-5343- 09764-	6 <i>E</i>	IGM/TRX ROM I ASM	1
60	A-5343- O9 765-	6F	ICM/TRX ROM 2 ASM	i
61	A-5343- 09766-	6H	ILM/TRX ROM 3 ASM	ı
62	A-5343- 09767 -	60	ICM/TRX ROM 4 ASM	ı
63	5370 - 09750 -00	AMP 1	IC3712 AUDIO AMP	ı
64	5400 - 09753-00	6A	I.C. MPU 	1
65	5410 - 09771- 00	6P	IC.CUSTOM	
66	5520 - 09749-00	X1	IB.432 MHZ CRYSTAL	1
67	5645 - 09025-00	90	8 STATION DIP SWITCH	ı
68	5700 - 08985 - 00	64	40 PIN IC SOCKET	1
69	5700 - 09004 - 00	5 F, 5 E, G E, G. F, GH, GJ, GP	24 PIN IC SOCKET	7
70	5700 -	1M,3M,9A,7F	16 PIN IC SOCKET	4
71	HW-00030-9		JUMP WIRE WHITE	14"
72	HW-00030-9		JUMP WIRE WHITE	ıe"
73	50 40- 0 94 22 -00	C6, C24	CAPACITOR 47MFD 50V +50-10	2
74	5043-08996-00	C131 , C23	0.1 MFD AXIAL 50 V 7-20	2
75	5010-08991-00	R61	4.7k &, 5%, 1/4 W	1
76	5019-09780-00	RAZ, RAS	S.I.P. IK 48, 5, 5%	2

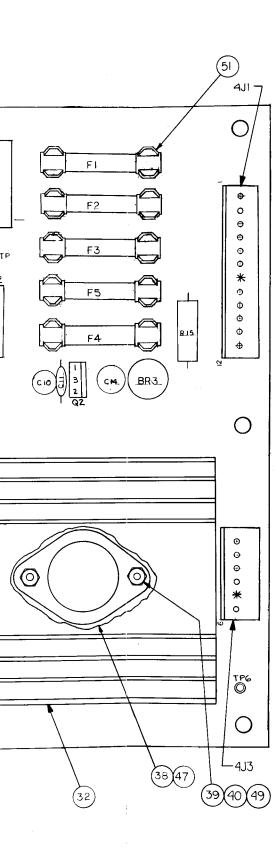




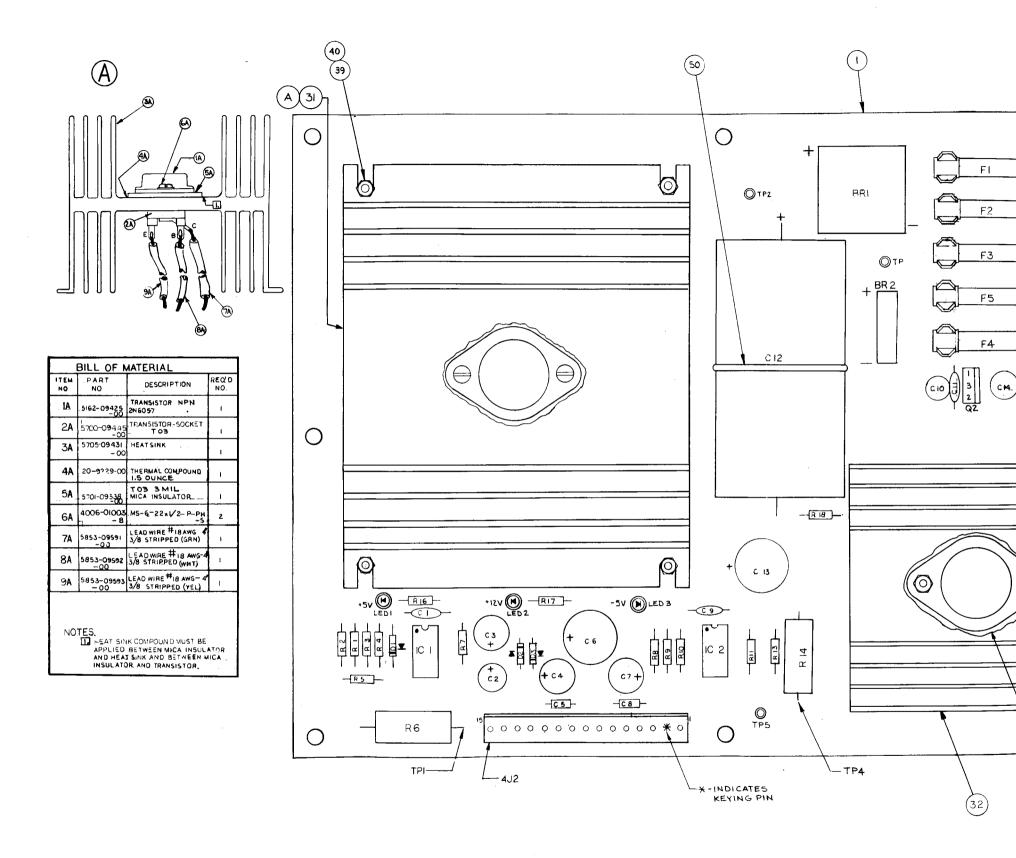


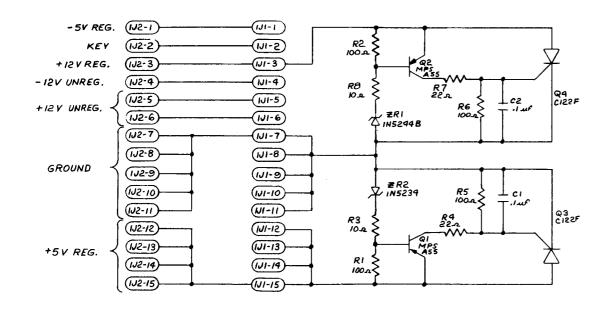


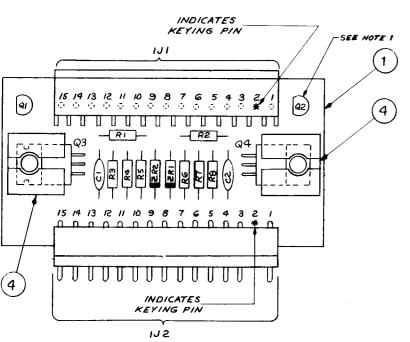




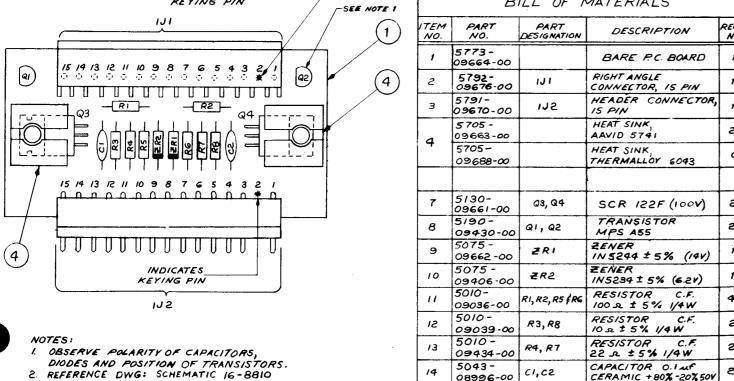
ITEM	PART NO.	PART DESIGNATION	DESCRIPTION	REQ'I
N O 	5173-09474-00	DESIGNATION	P.S. BARE P.C. BOARD	NO.
2	5010-09085-00	R4 _	RESISTOR, I.5K 5%, I/4W	+
3	5010-09541-00	R8,R7	RESISTOR, 2.7K 2%, 1/4W,	2
4	5010-09508-00	R 5	RESISTOR, 270 20/4W	-
- -5	5010-09428-00	R3	RESISTOR, 1.5K., 2%, 1/4W	<u> </u>
6	00-60560-0105	RU	RESISTOR, I.I K 294, 1/4 W	1
7	5010-09510-00	RI3	RESISTOR, 12K 2%,1/4W	ı
8.	5013-09542-00	RIO	RESISTOR,7.32 K 1%, 1/4W	
9	5013-09427-00	RI ER9	RESISTOR 4.99K-P/0 1/4W	2
10	5013-09426-00	R2	RESISTOR 2.15K 1% 1/4W	.1
11	5012-09429-00	R6	RESISTOR J2.0,-5%, 5W	-
12	5012-09512-00	214 _	RESISTOR 27 5%, 5W	-
13	5040-09421-00	C3&C7	+50% -10% CAPACITOR, NOMED 25V, RADIAL	2
14	5040-09422-00	CS CS	+50% -10% CAPACITOR, 47MF0,50V RADIAL	
15	5040-09420-00	C 6	+50 % -10 % CAPACITOR,1000 MFD, 25V. RADIAL	
16	5040-09419-00	C 12	CAPACITORIB, ODONED, 20V. RADIAL	
17.	5040-09423-00	C 4	CAPACITOR, 330 MFD, IOV. RADIAL	. 1
.18.	5040-09504-00	C I3	+50% -10% CAPAGITOR, 4700 NFD, 35V. RADIAL	
19	5043-08996-00	. C5,C.8,C11	CAPACITOR, I MFD, SOV. AXIAL ESU	3
20	5043-09065-00	CI	CAPACITOR, 470 PFD, 50V. AXIAL X7R	ı
21	5043-09492-00	C9	15% CAPACITOR IOD PED SOVAXIAL SEL	
22	5040-09506-00	C14	CAPACITOR 220 MED, 164. RADIAL	
23	5040-09493-00	C 10	+50% -10% CAPACITOR, 22MF0,10V. RADIAL	
24	5070-06258-00		DIODE,IN4001	3
			<u> </u>	1
25	\$100-09418-00		BRIDGE RECTIFIER.35AMP IOOV	۲Ť
26	\$100-09513-00	BR2	DIODE BRIDGE , 4,0A , 50V	1
27	5100-09514-00	BR3	DIODE BRIDGE 1,04, 50V	.1
	5731-09432-00	F1,F2	FUSE,7A SB.	_2_
29	5731-06314-00	F3	FUSE.4A+SB., 250 V.	1
30	5731-06569-00	F4	FUSE, \A,SB	. 1
31	B-8416-00		HEAT SINKASSEMBLY (SEE A)	-
32	5705-09543-00		HEAT SINK	-!-
33	5791-09074-00	. 472	HEADER, 15 PM, 09-65-1151	L
34	5791-09043-00	4 J 1	HEADER, 12 PIN, 09-65-1121	-1
35	5250-09515-00	02	VOLTAGE REGULATOR 7905	
36	5460-09424-00	IC1 , IC2	NOLTAGE REGULATOR 723	2
 3 _. 7	5824-09248-00	TP2,TP3 ,TP5,TP6	TERMINAL # 1502-I (TEST POST)	4
	20-9229-00		THERMAL COMPOUND .02 DUNCE	AR
	4005-01051-07		5-40×7/16 R.H. MECH, SCREW	6
	4405-01111-00		5-40 HEX NUT	6
	5161-09552-00		2N3055 TRANSISTOR NPM	1
<u>41</u>	5731-09651-00		FUSE, SA.SB	1
			HEADER, 6PIN, 09-65-1061	1
	5791-09038-00			1
4 <u>4</u>	5012-09544-00	R15	RESISTOR, 2.0.0, 5%, 5W	2
45 46		216,218	RESISTOR, 470 A, 5%, YAW	<u>چ.</u> ۱
	5010-09314-00	R17	RESISTOR, I.ZK, 5%, MW	
47	5701-09538-00		INSULATOR, MICA, 3mil	3
<u>48</u>		FEDI'TEDS'TED3	LED, RED	2
<u>49</u>	03-7598		INSULATOR, NYLON	
<u>50</u>	03-7520		TIE WRAP	10
51	5732-09178-00		FUSEHOLDER	

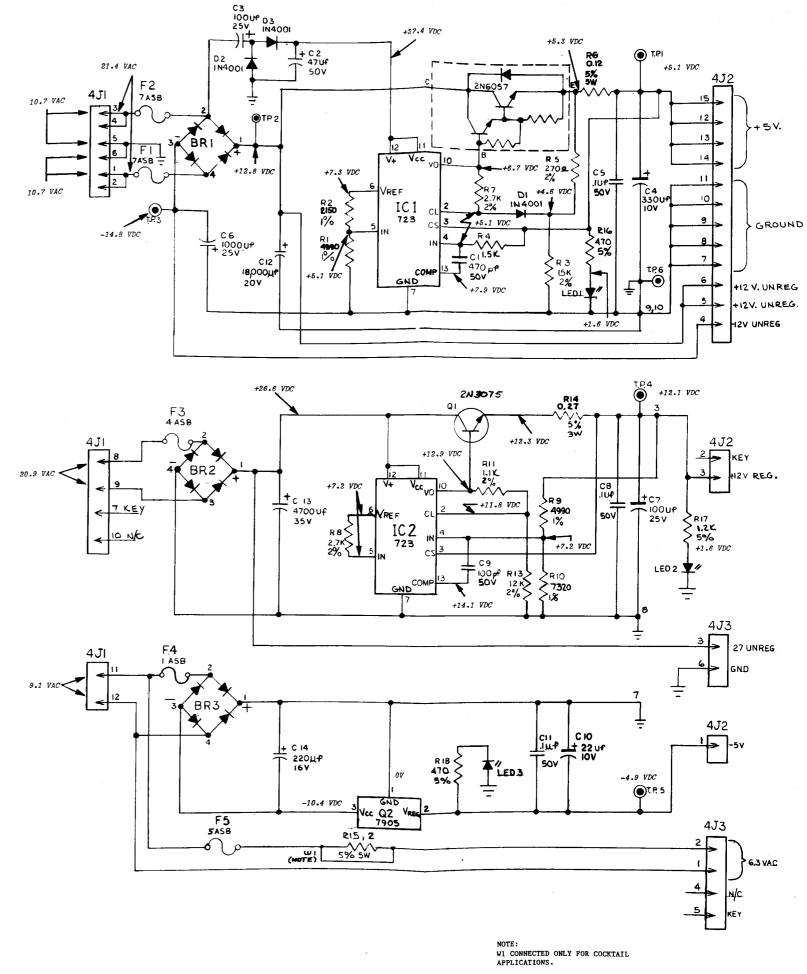




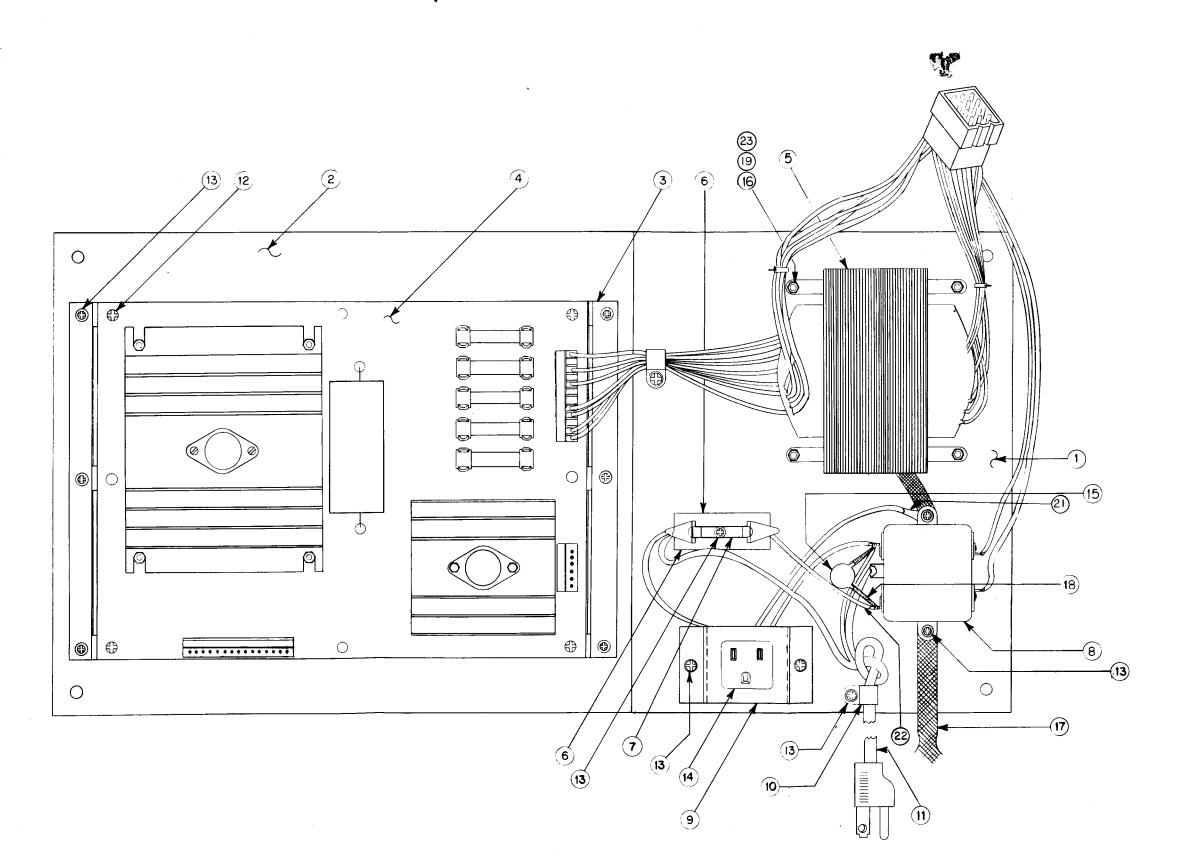


BILL OF MATERIALS						
NO.	PART NO.	PART DESIGNATION	DESCRIPTION	REQ'D NO		
1	5773 - 09664-00		BARE P.C. BOARD	1		
г	5792- 09676-00	131	RIGHT ANGLE CONNECTOR, IS PIN	1		
3	5791- 09 6 70-00	175	HEADER CONNECTOR, IS PIN	1		
4	<i>5705 -</i> 09663 <i>-0</i> 0		HEAT SINK, AAVID 5741	2		
	5705- 09688-00		HEAT SINK, THERMALLOY 6043	0		
7	5130- 09 66 1-00	Q3, Q4	SCR 122F (100V)	г		
8	5190- 09430-00	Q1, Q2	TRANSISTOR MPS A55	2		
9	5075 - 09662 -00	ZRI	ZENER IN 5244 ± 5% (14V)	1		
10	5075 - 09406-00	₹R2	ZENER IN5234 ± 5% (6.27)	1		
11	5010- 09036-00	RI, R2, R5 & RG	RESISTOR C.F. 100 & 1 5% 1/4W	4		
12	5010 - 09039 -00	R3, R8	RESISTOR C.F.	2		
/3	5010 - 09434-00	R4, R7	RESISTOR C.F. 22 s. ± 5% 1/4W	2		
14	5043- 08996-00	ci,ce	CAPACITOR O.I.AF CERAMIC +80%-20%50V	e		





Power Supply Board Schematic Diagram and Overvoltage Protection Board



	BILL	OF MATERIALS	
ITEM	PART Nª	DESCRIPTION	QTY.
/	11-580	POWER SUPPLY MTG. BD.	1
2	01-7001	POWER SUPPLY GND PLATE	1
3	01-7002	POWER SUPPLY SUPPORT BRKT.	2
4	D-8359	POWER SUPPLY BOARD	1
5	C8529	VIDEO TRANSFORMER ASSY	1
6	B-6448-I	FUSE MOUNT ASS'Y.	1
7	5731-08633-00	LINE FUSE 3AMP 115/V	1
8	5102-08895-00	LINE FILTER 5A	1
9	01-6948-	OUTLET MTG BRACKET	1
10	03-6048-6	CABLE CLAMP - 3/8	2
//	SEE NOTE #2	LINE CORD	1
12	4006-01018-04	M.S. #6-32 × 1/4 P-RH	4 '
13	4108-01022-08	SMS # 8-32 × 1/2 P-RWH-A	13
14	5851-09184-00	SWIRE SNAP-IN OUTLET	1
15	SEE NOTE#1	VARISTOR	1
16	4408-01117-00	NUT 8-32 HEX	4
17	20-9223-3	GINCH BRAIDED GROUND WIRE	1
18	20-9256	I INCH SLEEVING INSULATION	2
19	4703-00008-00	NO#BEXTERNAL LOCK WASHER	4
2.		TERMINAL LUG	_′
22		BLACK-18"AWG JUMPER WIRE-2.5"L	- 1
23	4008-01005-22	MS. 8-32 × 13/8 P-PH	4

NOTES: 1, FOR 115V.A.C., 130V. VARISTOR * 5017-09044 IS USED. FOR 230V.A.C., A 275V VARISTOR * 5017-09063 IS USED.

2. LINE CORD PART NUMBERS: _5850-06206-00 I2 FT. EUROPE _5850-08728-00 U.S. DOM. _5850-08743-00 U.S. L.A. _5850-09128-00 I2 FT. FRANCE _5850-09131-00 AWG I8-I2 JAPAN

