

CONTROL BOARD ASSEMBLY

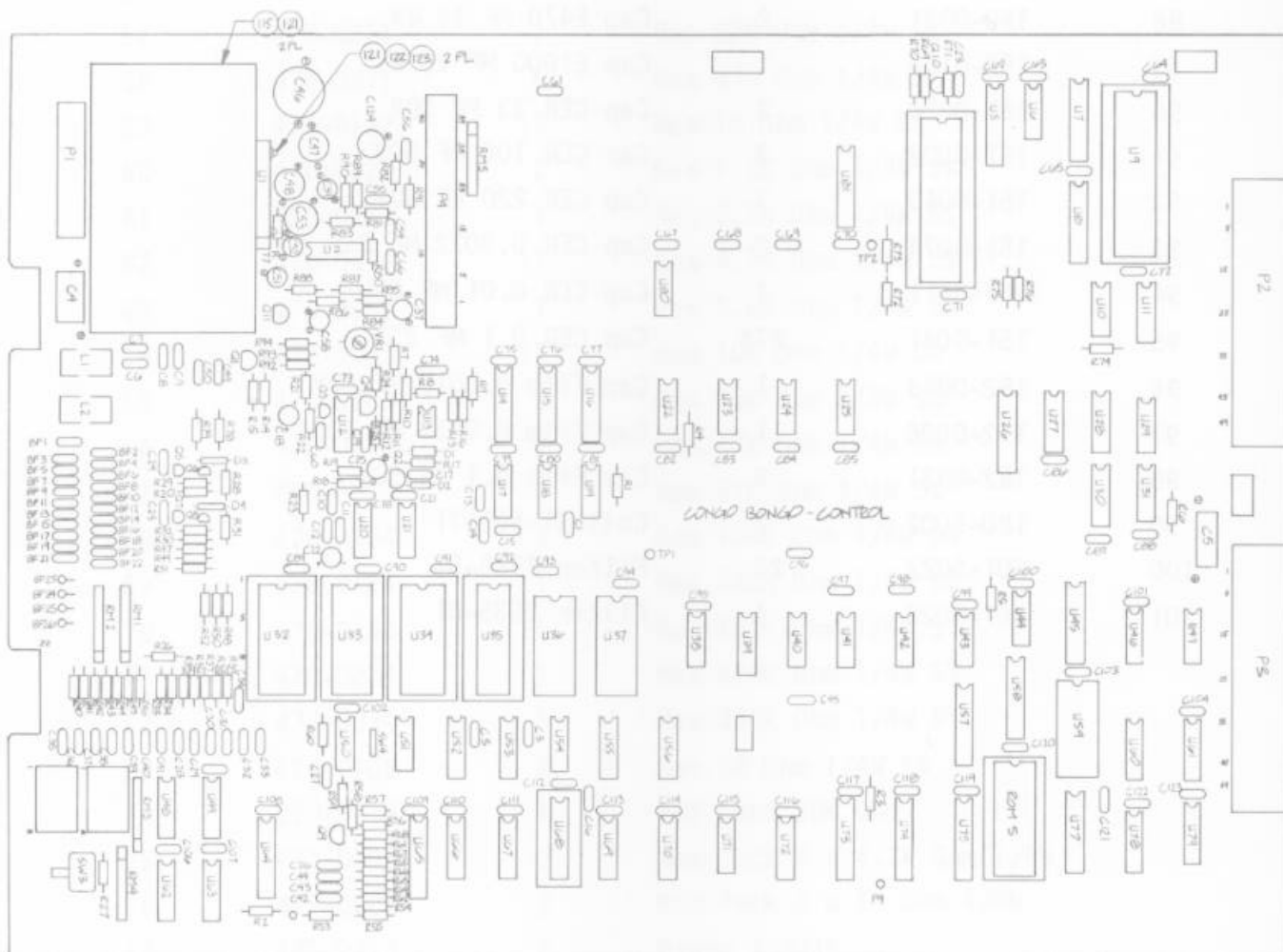
DRAWING NUMBER 834-5166

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u> <u>REQ'D</u>	<u>DESCRIPTION</u>	<u>REF NO.</u>
55	470-0680	3	Res 68 Ohm 1/4W 5%	
56	470-0101	18	Res 100 Ohm 1/4W 5%	
57	470-0221	7	Res 220 Ohm 1/4W 5%	
58	470-0471	6	Res 470 Ohm 1/4W 5%	
59	470-0102	15	Res 1K Ohm 1/4W 5%	
60	470-0122	2	Res 1.2K Ohm 1/4W 5%	
61	470-0222	1	Res 2.2K Ohm 1/4W 5%	
62	470-0472	11	Res 4.7K Ohm 1/4W 5%	
63	470-0562	1	Res 5.6K Ohm 1/4W 5%	
64	470-0103	11	Res 10K Ohm 1/4W 5%	
65	470-0203	3	Res 20K Ohm 1/4W 5%	
66	470-0473	2	Res 47K Ohm 1/4W 5%	
67	470-0513	1	Res 51K Ohm 1/4W 5%	
68	470-0104	3	Res 100K Ohm 1/4W 5%	
69	470-0124	1	Res 120K Ohm 1/4W 5%	
70	470-0154	1	Res 150K Ohm 1/4W 5%	
71	470-0224	1	Res 220K Ohm 1/4W 5%	
72	470-0334	1	Res 330K Ohm 1/4W 5%	
73	470-0105	2	Res 1M Ohm 1/4W 5%	
74	220-0218	1	Vol Cont 20K Ohm	
75	477-0005	3	Res Pack 8 x 4.7K Ohm 1/8W	
76	477-0006	2	Res Pack 8 x 1K Ohm 1/8W	
77	481-0213	2	Diode 1S2075	
78	482-0037	4	XSTR 2SA564	
79	482-0057	2	XSTR 2SC1384	
80	482-0240	5	XSTR 2SC1684	
81	509-0156	1	SW 1 Pos. Dip SPST	
82	510-0049	2	SW 8 Pos. Dip SPST	
83	510-0053	1	SW Push Button	
84	150-0160	1	Cap E470 MF 16 WV	
85	150-0023	8	Cap E10 MF 16 WV	

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>
86	150-0059	2	Cap E100 MF 16 WV	
87	150-0159	1	Cap E220 MF 16 WV	
88	150-0031	2	Cap E470 MF 16 WV	
89	150-0168	1	Cap E1000 MF 16 WV	
90	151-0020	2	Cap CER 33 PF 50V	
91	151-0002	3	Cap CER 100 PF 50V	
92	151-0043	7	Cap CER 220 PF 50V	
93	151-0074	2	Cap CER 0.0022 MF 25V	
94	151-0011	4	Cap CER 0.01 MF 50V	
95	151-0041	87*	Cap CER 0.1 MF 25V	
96	152-0063	1	Cap Film 0.0015 MF 50V	
97	152-0026	1	Cap Film 0.0039 MF 100V	
98	152-0031	2	Cap Film 0.1 MF 50V	
99	180-5002	2	Coil ST-501571	
100	601-5022	22	Filter 253D-01	
101	601-5023	4	Filter 2535-01	



<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY REQD.</u>	<u>DESCRIPTION</u>	<u>REF DES.</u>
2	530-5004	1	Heat Sink 6.2°C/W	
3	421-5262	1	Decal 834-5212	
4	316-5334	1	IC 2764 EPR-5334	U21
5	316-5335	1	IC 2764 EPR-5335	U22
6	316-5336	1	IC 2764 EPR-5336	U23
7	316-5337	1	IC 2764 EPR-5337	U24
8	316-5295	1	IC 2764 EPR-5295	U77
9	316-5307	1	IC 2764 EPR-5307	U19
10	316-5315	1	IC TBP28L22 PR-5315	U87
11	315-0041	2	IC Z80A	U18, 29.
12	315-0152	1	IC 8225A-5	U97
13	314-0078	2	IC 74LS02	U45, 68.
14	314-0019	5	IC 74LS04	U33, 47, 53, 83, 95.
15	314-0015	1	IC 7404	U16
16	314-0058	1	IC 74LS08	U93
17	314-0059	1	IC 74LS10	U56
18	314-0146	1	IC 7416	U13
19	314-0060	1	IC 74LS20	U94
20	314-0066	1	IC 74LS27	U69
21	314-0067	1	IC 74LS30	U93
22	314-0068	4	IC 74LS32	U39, 42, 43, 90.
23	314-0062	4	IC 74LS74	U46, 48, 71, 92.
24	314-0070	1	IC 74LS86	U84
25	314-0040	1	IC 74LS125	U31
26	314-0056	1	IC 74LS132	U81
27	314-0104	3	IC 74LS138	U17, 34, 44.
28	314-0087	1	IC 74LS139	U38
29	314-0076	7	IC 74LS157	U62, 63, 64, 66, 88, 89, 96.
30	314-0127	2	IC 74LS164	U91, 92.
31	314-0072	2	IC 74LS174	U85, 86.
32	314-0073	6	IC 74LS175	U35, 36, 40, 54, 55, 70.
33	314-0083	1	IC 74LS240	U57

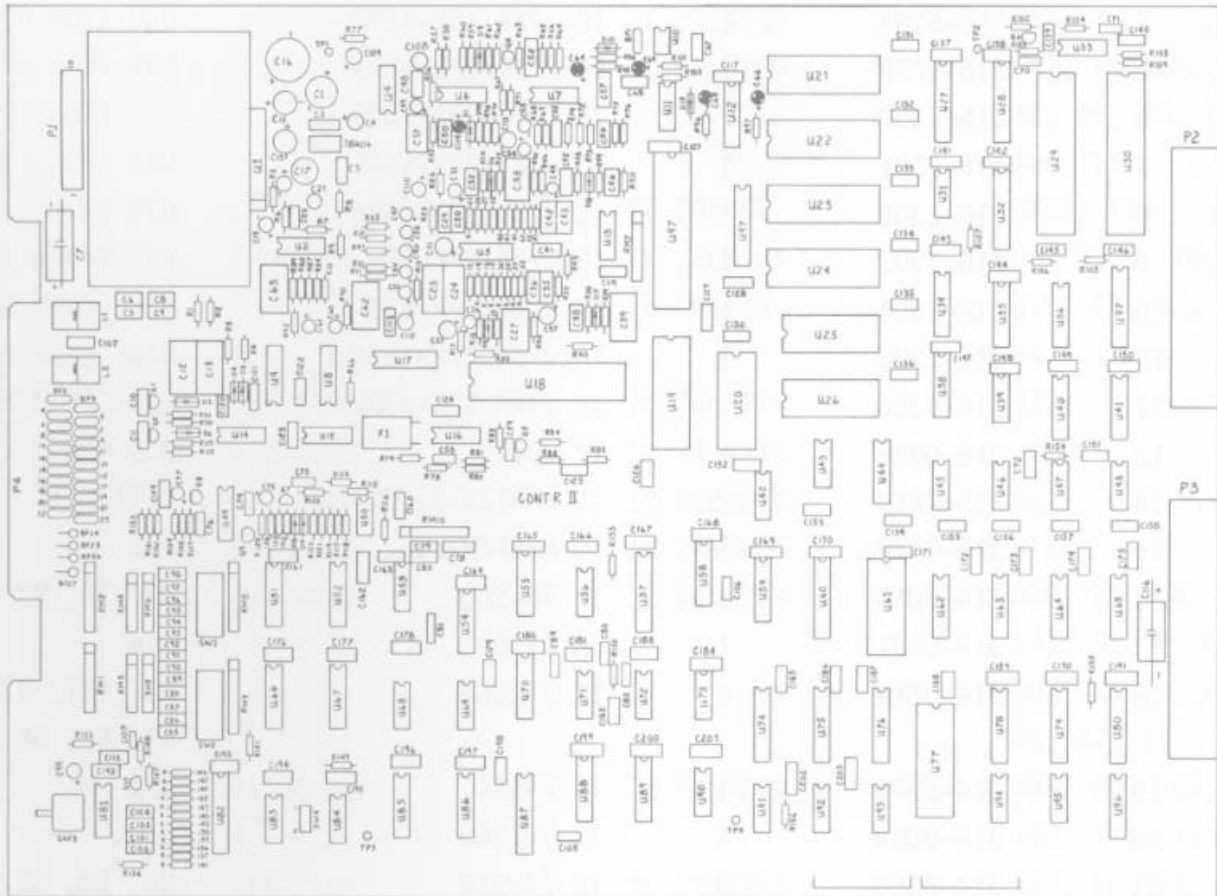
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY REQD.</u>	<u>DESCRIPTION</u>	<u>REF DES.</u>
34	314-0055	4	IC 74LS244	U27, 28, 37, 82.
35	314-0099	1	IC 74LS245	U60
36	314-0143	2	IC 74LS259	U58, 59
37	314-0122	2	IC 74LS299	U78, 80
38	314-0272	4	IC 74LS353	U51, 52, 66, 67
39	314-0102	1	IC 74LS367	U41
40	314-0131	1	IC 74LS373	U32
41	314-0093	1	IC 74LS374	U98
42	314-0119	4	IC 74LS377	U74, 75, 76, 79
43	314-0075	2	IC 74LS393	U14, 15
44	313-0022	1	IC NE556	U49
45	313-0139	1	IC MB3731	U50
46	313-0110	1	IC MB3761	U50
47	313-0140	1	IC AN78N06	U3
48	315-0217	4	IC HM6116P-4	U20, 25, 26, 61
49	315-0146	4	IC MB3614MG	U2, 5, 6, 7
50	315-0034	1	IC CD4001	U11
51	315-0205	2	IC 76489A	U8, 9
52	315-0221	1	IC MC14538B	U12
53	315-0035	1	IC MM5837	U10
54	315-5019	1	IC Cont. Chip G501564	U30
55	315-5021	1	IC Cont. Chip ST-501534	U4
56	213-0008	1	Socket 20-pin	
57	213-0012	6	Socket 28-pin	
58	213-0005	1	Socket 40-pin	
59	212-0098	1	Conn. Male 10-pin	
60	212-0133	2	Conn. Male 50-pin	
61	211-0168	4	Conn. Pin Test Point	
62	470-01R0	2	Resistor, 1 ohm $\frac{1}{4}$ W 5%	
63	470-0100	2	Resistor, 10 ohm $\frac{1}{4}$ W 5%	
64	470-0220	3	Resistor, 22 ohm $\frac{1}{4}$ W 5%	
65	470-0680	3	Resistor, 68 ohm $\frac{1}{4}$ W 5%	
66	470-0221	9	Resistor, 220 ohm $\frac{1}{4}$ W 5%	
67	470-0331	1	Resistor, 330 ohm $\frac{1}{4}$ W 5%	
68	470-0471	7	Resistor, 470 ohm $\frac{1}{4}$ W 5%	

CONTROL BOARD 2 ASSEMBLY

DRAWING NUMBER 834-5212

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY REQD.</u>	<u>DESCRIPTION</u>
69	470-0102	19	Resistor, 1K ohm $\frac{1}{4}$ W 5%
70	470-0122	5	Resistor, 1.2K $\frac{1}{4}$ W 5%
71	470-0202	2	Resistor, 2K $\frac{1}{4}$ W 5%
72	470-0222	1	Resistor, 2.2K $\frac{1}{4}$ W 5%
73	470-0332	1	Resistor, 3.3K $\frac{1}{4}$ W 5%
74	470-0472	11	Resistor, 4.7K $\frac{1}{4}$ W 5%
75	470-0562	1	Resistor, 5.6K $\frac{1}{4}$ W 5%
76	470-0103	16	Resistor, 10K $\frac{1}{4}$ W 5%
77	470-0153	2	Resistor, 15K $\frac{1}{4}$ W 5%
78	470-0203	11	Resistor, 20K $\frac{1}{4}$ W 5%
79	470-0223	10	Resistor, 22K $\frac{1}{4}$ W 5%
80	470-0473	12	Resistor, 47K $\frac{1}{4}$ W 5%
81	470-0513	9	Resistor, 51K $\frac{1}{4}$ W 5%
82	470-0104	8	Resistor, 100K $\frac{1}{4}$ W 5%
83	470-0124	1	Resistor, 120K $\frac{1}{4}$ W 5%
84	470-0154	2	Resistor, 150K $\frac{1}{4}$ W 5%
85	470-0204	1	Resistor, 200K $\frac{1}{4}$ W 5%
86	470-0224	1	Resistor, 220K $\frac{1}{4}$ W 5%
87	470-0244	1	Resistor, 240K $\frac{1}{4}$ W 5%
88	470-0334	2	Resistor, 330K $\frac{1}{4}$ W 5%
89	470-0394	2	Resistor, 390K $\frac{1}{4}$ W 5%
90	470-0474	2	Resistor, 470K $\frac{1}{4}$ W 5%
91	470-0105	4	Resistor, 1M $\frac{1}{4}$ W 5%
92	470-0225	2	Resistor, 2.2M $\frac{1}{4}$ W 5%
93	150-0233	2	Capacitor, E. 1mf 50V NP
94	150-0009	9	Capacitor, E. 1mf 50V U-type
95	150-0023	6	Capacitor, E. 10mf 16V U-type
96	150-0065	10	Capacitor, E. 47mf 16V U-type
97	150-0059	2	Capacitor, E. 100mf 16V U-type
98	150-0159	1	Capacitor, E. 220mf 16V U-type
99	150-0160	1	Capacitor, E. 1470mf 16V U-type
100	150-0168	1	Capacitor, E. 1000mf 16V
101	151-0020	3	Capacitor, Cer. 33pf 50V
102	151-0002	3	Capacitor, Cer. 100pf 50V
103	151-0043	10	Capacitor, Cer. 220pf 50V
104	151-0042	1	Capacitor, Cer. 470pf 50V

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY REQD.</u>	<u>DESCRIPTION</u>
105	151-0005	1	Capacitor, Cer. 680pf 50V
106	151-0074	3	Capacitor, Cer. 0.0022mf 25V
107	151-0011	94	Capacitor, Cer. 0.01mf 50V
108	151-0056	21	Capacitor, Cer. 0.047mf 50V
109	151-0041	2	Capacitor, Cer. 0.1mf 25V
110	152-0063	1	Capacitor, Film, 0.0015mf 50V
111	152-0051	1	Capacitor, Film, 0.0033mf 50V
112	152-0026	1	Capacitor, Film, 0.0039mf 100V
113	152-0036	2	Capacitor, Film, 0.0068mf 50V
114	152-0033	1	Capacitor, Film, 0.01mf 50V
115	152-0079	2	Capacitor, Film, 0.022mf 50V
116	152-0035	6	Capacitor, Film, 0.033mf 50V
117	152-0038	2	Capacitor, Film, 0.047mf 50V
118	152-0066	3	Capacitor, Film, 0.068mf 25V
119	152-0031	6	Capacitor, Film, 0.1mf 50V
120	153-0070	4	Capacitor, Tant. 1mf 16V
121	153-0058	1	Capacitor, Tant. 2.2mf 16V
122	153-0050	1	Capacitor, Tant. 33mf 16V
123	150-0031	2	Capacitor, E. 470mf 16V T-type
124	220-0218	1	Volume Control, 20K
125	477-0005	3	Resistor Pack, 8 X 4.7K 1/8W w/c
126	477-0039	2	Resistor Pack, 8 X 1K 1/8W w/c
127	477-0047	5	Resistor Pack, 4 X 100 ohm 1/4W
128	481-0213	12	Diode, IS2075
129	482-0037	5	Transistor 2SA564Q
130	482-0057	2	Transistor 2SC1384R
131	482-0240	3	Transistor 2SC1684
132	509-0156	1	DIP Switch 1 Position
133	510-0049	2	DIP Switch 8 Position
134	510-0053	1	Push Button Switch
135	180-5002	2	Coil ST-501571
136	270-5001	23	Filter 253D-01
137	270-5002	4	Filter 2535-01
138		2	Screw, M3 X 10 R.H.PHIL w/F.& S.Washer
139		2	Screw, M3 X 6 P.H.PHIL w/F.Washer



VIDEO BOARD ASSEMBLY

DRAWING NUMBER 834-5167

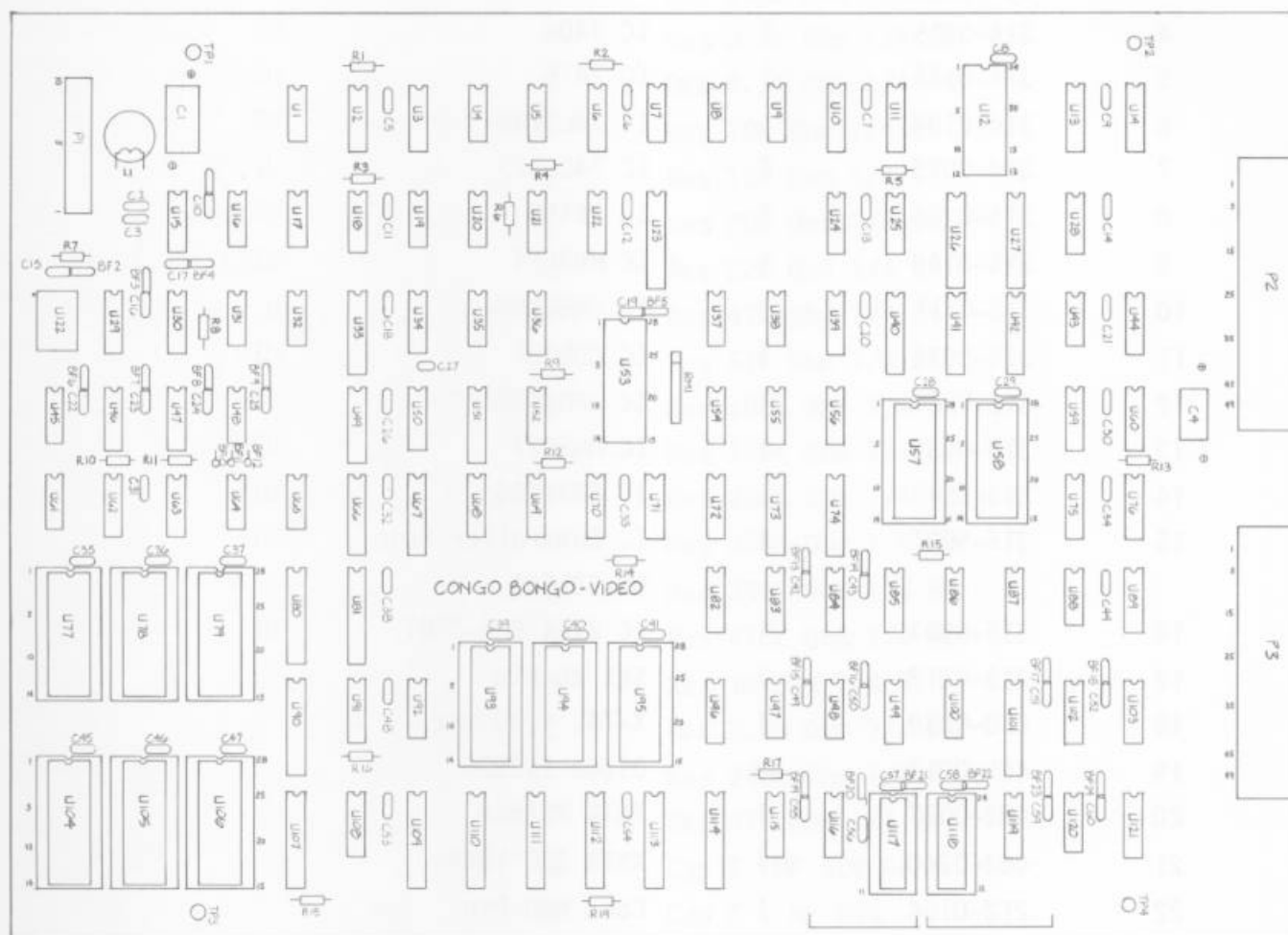
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u> <u>REQ'D</u>	<u>DESCRIPTION</u>	<u>REF NO.</u>
1	171-5026	1	PC Board	
2	316-5296	1	IC 2764 EPR-5296	U57 (ROM 6)
3	316-5297	1	IC 2764 EPR-5297	U58 (ROM 7)
4	316-5298	1	IC 2764 EPR-5298	U93 (ROM 8)
5	316-5299	1	IC 2764 EPR-5299	U94 (ROM 9)
6	316-5300	1	IC 2764 EPR-5300	U95 (ROM 10)
7	316-5301	1	IC 2764 EPR-5301	U77 (ROM 11)
8	316-5302	1	IC 2764 EPR-5302	U78 (ROM 12)
9	316-5303	1	IC 2764 EPR-5303	U79 (ROM 13)
10	316-5304	1	IC 2764 EPR-5304	U104 (ROM 14)
11	316-5305	1	IC 2764 EPR-5305	U105 (ROM 15)
12	316-5306	1	IC 2764 EPR-5306	U106 (ROM 16)
13	315-0065	1	IC 93419	U53
14	315-0219	2	IC AM9122-25 DC	U117, 118
15	315-0220	1	IC MB8128-10	U12
16	314-0018	3	IC 74LS00	U8, 16, 92
17	314-0281	1	IC 74S00	U48
18	314-0019	6	IC 74LS04	U17, 31, 37, 43, 54, 88
19	314-0046	1	IC 74S04	U45
20	314-0058	1	IC 74LS08	U100
21	314-0060	4	IC 74LS20	U9, 19, 32, 62
22	314-0066	1	IC 74LS27	U61
23	314-0067	1	IC 74LS30	U35
24	314-0068	2	IC 74LS32	U28, 56
25	314-0273	1	IC 74S32	U97
26	314-0140	1	IC 74S74	U115
27	314-0062	4	IC 74LS74	U1, 7, 20, 52
28	314-0070	6	IC 74LS86	U4, 5, 38, 55, 64, 65
29	314-0274	2	IC 74S86	U98, 116

VIDEO BOARD ASSEMBLY

DRAWING NUMBER 834-5167

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u> <u>REQ'D</u>	<u>DESCRIPTION</u>	<u>REF NO.</u>
30	314-0237	1	IC 74LS109	U63
31	314-0151	2	IC 74S112	U46, 47
32	314-0104	1	IC 74LS138	U34
33	314-0087	1	IC 74LS139	U39
34	314-0076	10	IC 74LS157	U13, 14, 22, 36, 82, 91, 96, 103, 108, 121
35	314-0269	2	IC 74S157	U102, 119
36	314-0097	5	IC 74LS161	U2, 3, 6, 18, 21
37	314-0139	5	IC 74S163	U15, 29, 30, 83, 84
38	314-0072	1	IC 74LS174	U72
39	314-0055	1	IC 74LS244	U33
40	314-0099	1	IC 74LS245	U27
41	314-0276	1	IC 74S260	U120
42	314-0101	15	IC 74LS283	U10, 11, 24, 25, 44, 59, 60, 68, 69, 70, 71, 85, 86, 87, 99
43	314-0122	6	IC 74LS299	U80, 90, 107, 109, 112, 114
44	314-0102	3	IC 74LS367	U75, 76, 89
45	314-0103	1	IC 74LS368	U50
46	314-0275	4	IC 74LS373	U41, 110, 111, 113
47	314-0275	1	IC 74S373	U101
48	314-0093	8	IC 74LS374	U23, 26, 42, 51, 66, 67, 74, 81
49	314-0119	3	IC 74LS377	U40, 49, 73
50	315-5020	1	IC Controller Chip G501533	U122

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u> <u>REQ'D</u>	<u>DESCRIPTION</u>	<u>REF NO.</u>
51				
52	213-0011	2	SKT 22 Pin	
53	213-0012	11	SKT 28 Pin	
54	212-0098	1	Conn M 10 Pin	
55	212-0133	2	Conn M 50 Pin	
56	211-0168	4	Conn Pin Test PT	
57	470-0102	19	Res 1K Ohm 1/4W 5%	
58	477-0039	1	Res Pack 8 x 1K Ohm 1/8W W/C	
59	150-0031	2	Cap E 470 MF 16V	
60	151-0043	1	Cap CER 220 PF 50V	
61	151-0074	1	Cap CER 0.0022 MF 25V	
62	151-0041	56*	Cap CER 0.1 MF 25V	
63	180-5002	1	Coil ST-501571	
64	601-5022	21	Filter 253D-01	
65	601-5023	3	Filter 253S-01	



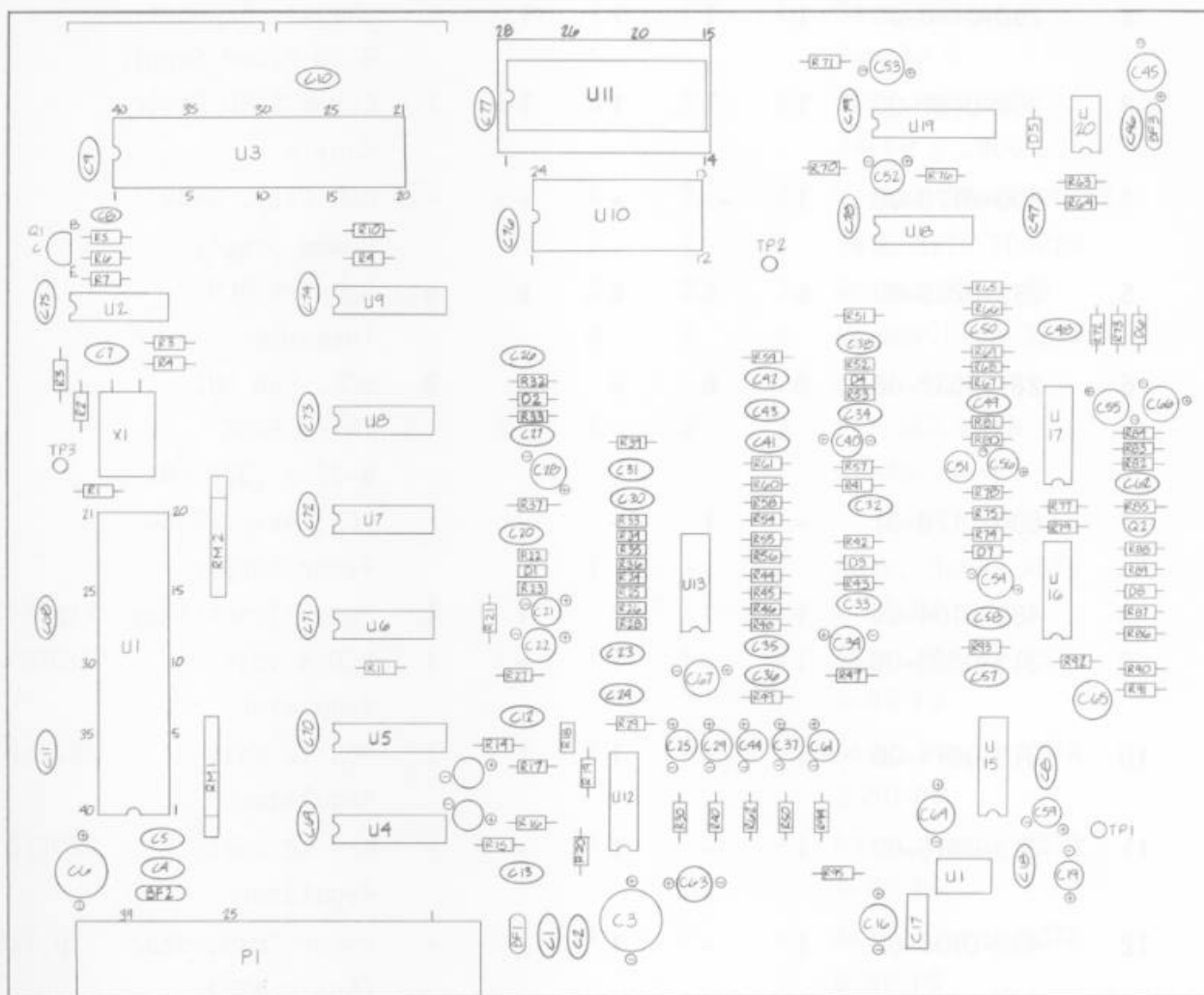
SOUND BOARD ASSEMBLY

DRAWING NUMBER 834-5168

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u> <u>REQ'D</u>	<u>DESCRIPTION</u>	<u>REF NO.</u>
1	171-5027	1	PC Board	
2	315-0041	1	IC Z80A	U3
3	315-0152	1	IC 8255A-5	U1
4	314-0015	1	IC 7404	U2
5	314-0146	1	IC 7416	U6
6	314-0104	1	IC 74LS138	U9
7	314-0075	2	IC 74LS393	U7, 8
8	315-0205	2	IC 76489	U4, 5
9	315-0146	4	IC MB3614	U12, 13, 16, 17
10	315-0217	1	IC HM6116P-4	U10
11	315-0034	1	IC CD4001	U18
12	315-0228	1	IC μ PD4538 BC	U19
13	315-0035	1	IC MM5837	U20
14	313-0140	1	IC AN78N06	U14
15	315-5021	1	IC Controller Chip ST-501534	U15
16	316-5307	1	IC 2764 EPR-5307	U11
17	213-0012	1	Skt 28 Pin	
18	230-0039	1	X-TAL 4.00 MHz	
19	481-0213	8	Diode IS2075	
20	482-0037	1	XSTR 2SA564	
21	482-0240	1	XSTR 2SC 1684	
22	212-0164	1	Conn M40 Pin	
23	211-0168	3	Conn Pin Test PT	
24	477-0005	2	Res Pack 8 x 4.7K 0hm 1/8W	
25	470-0100	2	Res 10 0hm 1/4 5%	
26	470-0220	1	Res 22 0hm 1/4 5%	
27	470-0221	2	Res 220 0hm 1/4 5%	
28	470-0331	1	Res 330 0hm 1/4 5%	
29	470-0102	7	Res 1K 0hm 1/4 5%	

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u> <u>REQ'D</u>	<u>DESCRIPTION</u>	<u>REF NO.</u>
30	470-0122	3	Res 1.2K Ohm 1/4 5%	
31	470-0202	2	Res 2K Ohm 1/4 5%	
32	470-0222	1	Res 2.2K Ohm 1/4 5%	
33	470-0332	1	Res 3.3K Ohm 1/4 5%	
34	470-0472	1	Res 4.7K Ohm 1/4 5%	
35	470-0103	13	Res 10K Ohm 1/4 5%	
36	470-0153	2	Res 15K Ohm 1/4 5%	
37	470-0203	8	Res 20K Ohm 1/4 5%	
38	470-0223	10	Res 22K Ohm 1/4 5%	
39	470-0473	12	Res 47K Ohm 1/4 5%	
40	470-0513	8	Res 51K Ohm 1/4 5%	
41	470-0104	5	Res 100K Ohm 1/4 5%	
42	470-0154	1	Res 150K Ohm 1/4 5%	
43	470-0204	1	Res 200K Ohm 1/4 5%	
44	470-0334	1	Res 330K Ohm 1/4 5%	
45	470-0394	2	Res 390K Ohm 1/4 5%	
46	470-0474	2	Res 470K Ohm 1/4 5%	
47	470-0105	3	Res 1M Ohm 1/4 5%	
48	470-0225	2	Res 2.2M Ohm 1/4 5%	
49	470-0244	1	Res 240K Ohm 1/4 5%	
50	470-0471	1	Res 470 Ohm 1/4 5%	
51	150-	2	Cap E IMF 50V NP	
52	150-0009	8	Cap E 1 MF 50V	
53	150-0023	2	Cap E 10 MF 16V	
54	150-0065	10	Cap E 47 MF 16V	
55	150-0159	2	Cap E 220 MF 16V	
56	150-0160	1	Cap E 470 MF 16V	
57	151-0020	1	Cap CER 33 PF 50V	
58	151-0043	1	Cap CER 220 PF 50V	
59	151-0042	1	Cap CER 470 PF 50V	
60	151-0005	1	Cap CER 680 PF 50V	

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>REF NO.</u>
		<u>REQ'D</u>		
61	151-0074	2	Cap CER 0.0022 MF 25V	
62	151-0011	1	Cap CER 0.1 MF 50V	
63	151-0041	20*	Cap CER 0.1 MF 25V	
64	152-0063	1	Cap Film 0.0015 MF 50V	
65	152-0051	1	Cap Film 0.0033 MF 50V	
66	152-0026	1	Cap Film 0.0039 MF 100V	
67	152-0036	2	Cap Film 0.0068 MF 50V	
68	152-0033	1	Cap Film 0.01 MF 50V	
69	152-0079	2	Cap Film 0.022 MF 50V	
70	152-0035	6	Cap Film 0.033 MF 50V	
71	152-0038	2	Cap Film 0.047 MF 50V	
72	152-0066	3	Cap Film 0.068 MF 25V	
73	152-0031	4	Cap Film 0.1 MF 50V	
74	153-0070	4	Cap Tant 1 MF 16V	
75	153-0058	1	Cap Tant 2.2 MF 10V	
76	153-0050	1	Cap Tant 33 MF 16V	
77	601-5022	3	Filter 253D-01	



G-80 POWER SUPPLY ASSEMBLY

DRAWING NUMBER 800-0191

ITEM NO.	PART NO.	QTY. REQD.					DESCRIPTION	REF DES.
		-00	-01	-02	-03	-04		
1	530-0016-00	1	1	1	1	1	Heat Sink G-80 Power Supply	
2	250-0460-00	1	1	1	1	1	Chassis Support G-80 Power Supply	
3	250-0461-00	1	1	1	1	1	Cover G-80 Power Supply	
4	800-0170-00	1	-	-	-	-	PCB Assy. G-80 Power Supply	
5	253-0206-00	6	6	6	6	6	Support PCB Threaded	
6	281-0032-06	8	8	8	8	8	SCR. PNH PHIL Third FRMG 6-32 x .375 LG.	
7	800-0170-01	-	1	-	-	-	PCB, Assy. G-80 Power Supply	
8	482-0104-00	1	1	1	1	1	Power Transistor	Tip 141
9	313-0023-00	1	-	1	-	1	NEG 5 Volt Regulator	320T5
10	313-0014-00	1	1	1	1	1	POS 12 Volt Regulator	340T12
11	313-0015-00	1	-	1	-	-	NEG 12 Volt Regulator	320T12
12	482-0100-00	1	-	1	-	-	Power Transistor (Audio AMP)	Tip 125
13	482-0019-00	1	-	1	-	-	Power Transistor (Audio AMP)	Tip 120
14	800-0170-02	-	-	1	-	-	PCB Assy. G-80 Power Supply	
15	800-0170-03	-	-	-	1	-	PCB Assy. G-80 Power Supply	
16	420-0557-00	1	1	1	1	1	Decal, Fuse	

G-80 POWER SUPPLY ASSEMBLY

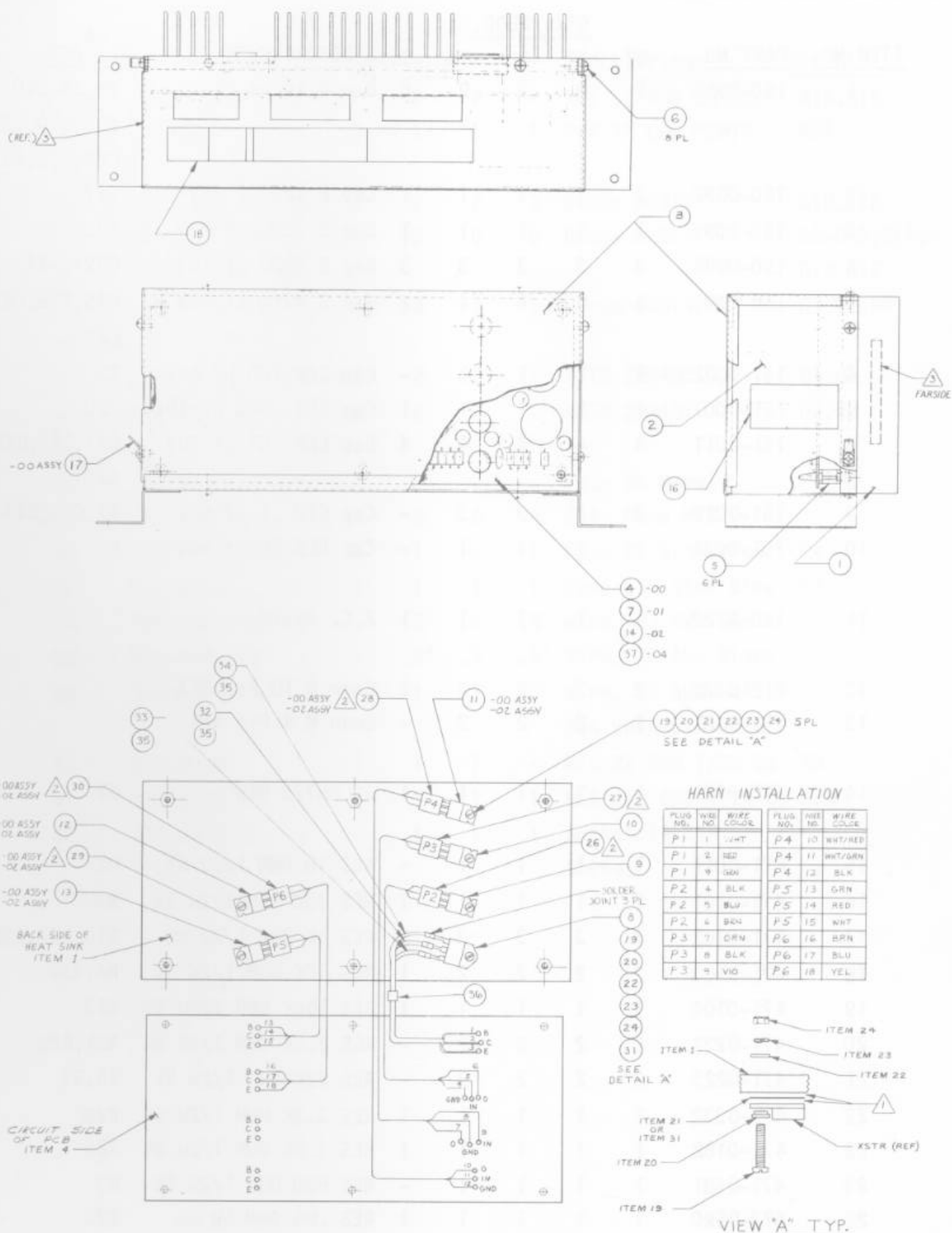
DRAWING NUMBER 800-0191

ITEM NO.	PART NO.	QTY. REQD.					DESCRIPTION	REF DES.
		-00	-01	-02	-03	-04		
17	280-0117-00	1	-	-	-	-	Tab Rivet, Male 1/4"	
18	420-0575-00	1	1	1	1	1	Decal-Power Supply B	
19	281-0001-08	6	2	6	2	3	SCR, PNH PHIL #4-40 x .500 LG	
20	280-0341-00	6	2	6	2	3	Washer Shoulder #4	
21	310-0006-01	5	1	5	1	1	INSL XSTR TO-220	
22	283-0060-13	6	2	6	2	3	Washer Flat #4	
23	283-0061-02	6	2	6	2	3	Washer Lock Split #4	
24	283-0072-07	6	2	6	2	3	Nut HEX Mach #4-40	
25								
26	800-0244-00	1	-	1	-	1	Assy. Harn. XSTR G-80 P2	
27	800-0245-00	1	1	1	1	1	Assy. Harn. XSTR G-80 P3	
28	800-0246-00	1	-	1	-	-	Assy. Harn. XSTR G-80 P4	
29	800-0247-00	1	-	1	-	-	Assy. Harn. XSTR G-80 P5	
30	800-0248-00	1	-	1	-	-	Assy. Harn. XSTR G-80 P6	
31	310-0007-01	1	1	1	1	1	Ins1. XSTR "H" (TO-218)	
32	600-0092-42	.38'	.38'	.38'	.38'	.38'	Wire 22 AWG Red	
33	600-0092-45	.38'	.38'	.38'	.38'	.38'	Wire 22 AWG Green	
34	600-0092-44	.38'	.38'	.38'	.38'	.38'	Wire 22 AWG White	
35	310-0041-02	.25'	.25'	.25'	.25'	.25'	Shrink Tubing, .125 I.D. CLR	
36	280-0005-00	1	1	1	1	1	Cable Tie Standard	

G-80 POWER SUPPLY ASSEMBLY

DRAWING NUMBER 800-0191

ITEM NO.	PART NO.	QTY. REQD.					DESCRIPTION	REF DES.
		-00	-01	-02	-03	-04		
37	800-0170-04	-	-	-	-	1	PC Assy. G-80	
							Power Supply	
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								



G-80 POWER SUPPLY P.C. ASSEMBLY

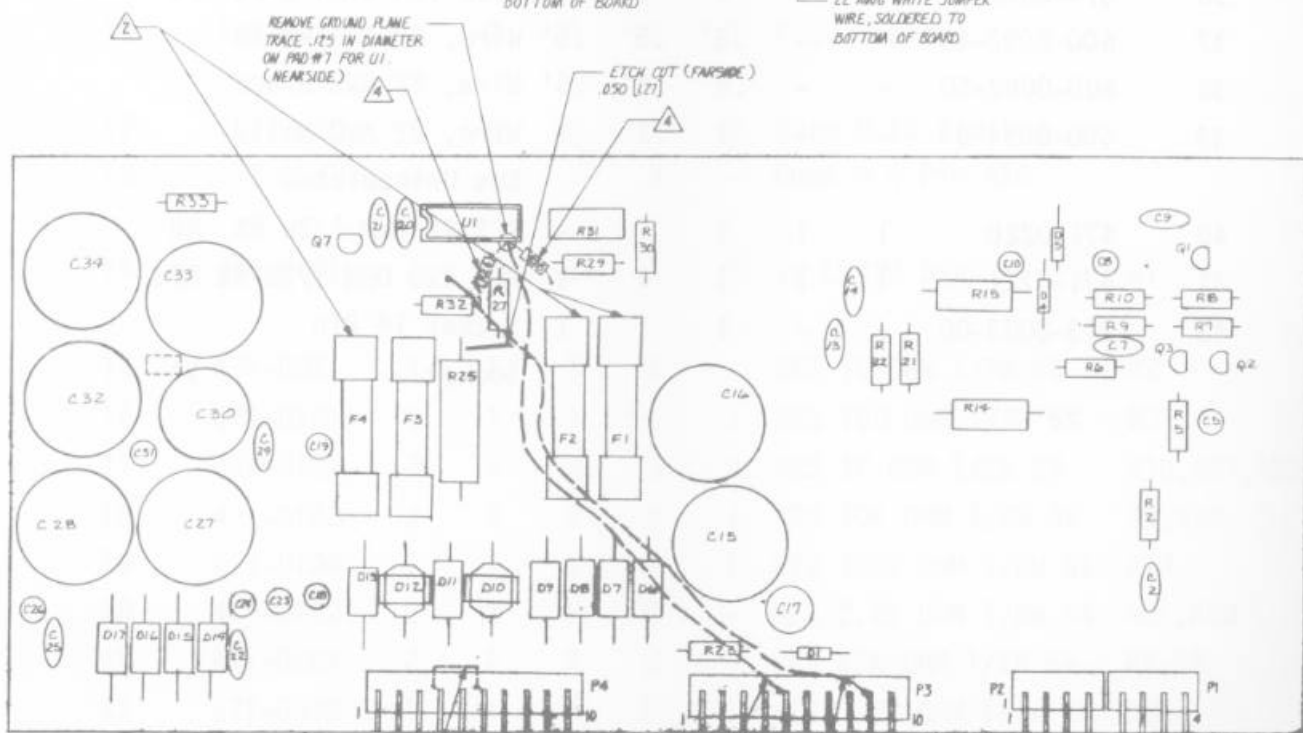
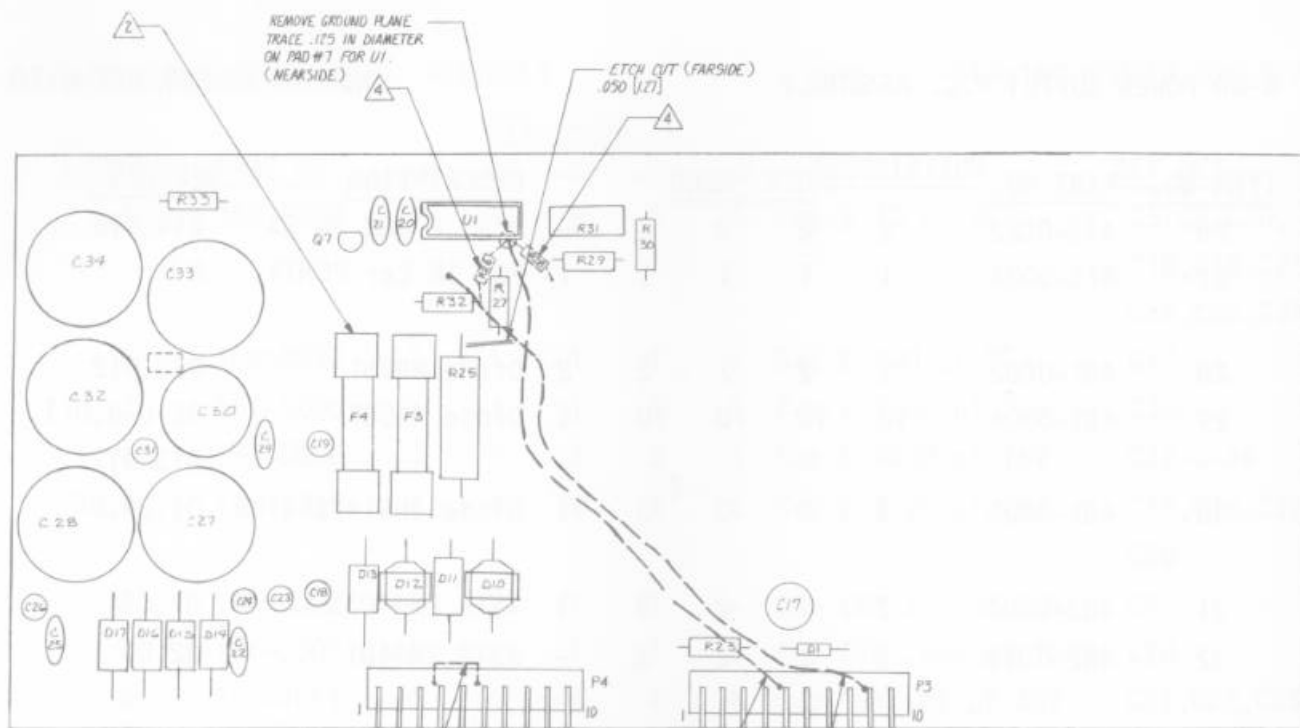
DRAWING NUMBER 800-0170

ITEM NO.	PART NO.	QTY. REQD.					DESCRIPTION	REF DES.
		-0C	-01	-02	-03	-04		
1	150-0088	9	9	9	9	6	Cap E 10 μ f 25V	C5,C8,C10, C18,C19,C23, C24,C26,C31
2	150-0092	1	1	1	1	1	Cap E 100 μ f 25V	C17
3	150-0095	1	1	1	1	1	Cap E 3300 μ f 25V	C30
4	150-0096	3	3	3	3	3	Cap E 6800 μ f 16V	C32-C-34
5	150-0097	4	4	4	4	2	Cap E 4700 μ f 25V	C15,C16,C27, C28
6	151-0002	1	1	1	1	-	Cap CER 100 μ f 50V	C9
7	151-0007	1	1	1	1	1	Cap CER .005 μ f 100V	C20
8	151-0011	4	4	4	4	4	Cap CER .01 μ f 50V	C21,C22,C25, C29
9	151-0012	3	3	3	3	-	Cap CER .1 μ f 50V	C2,C13,C14
10	151-0021	1	1	1	1	-	Cap CER 20 pf 50V	C7
11	170-0222	1	1	1	1	1	P.C. Board	
12	212-0020	2	2	2	2	2	Conn M 10 Pin RTA	
13	212-0081	2	2	2	2	-	Conn M 4 Pin RTA	
14	313-0001	1	1	1	1	1	IC LM723 Dip	U1
15	471-0011	1	1	1	1	-	RES 10 OHM 1/2W 5%	R2
16	471-0101	1	1	1	1	1	RES 100 OHM 1/2W 5%	R32
17	471-0102	3	3	3	3	2	RES 1K OHM 1/2W 5%	R10,R27,R29
18	471-0103	2	2	2	2	1	RES 10K OHM 1/2W 5%	R6,R30
19	471-0104	1	1	1	1	1	RES 100K OHM 1/2W 5%	R23
20	471-0222	2	2	2	2	-	RES 2.2K OHM 1/2W 5%	R21,R22
21	471-0223	2	2	2	2	-	RES 22K OHM 1/2W 5%	R5,R9
22	471-0332	1	1	1	1	1	RES 3.3K OHM 1/2W 5%	R28
23	471-0182	1	1	1	1	1	RES 1.8K OHM 1/2W 5%	R26
24	471-0681	1	1	1	1	-	RES 680 OHM 1/2W 5%	R7
25	473-05R0	1	1	1	1	1	RES .05 OHM 5W 3%	R25

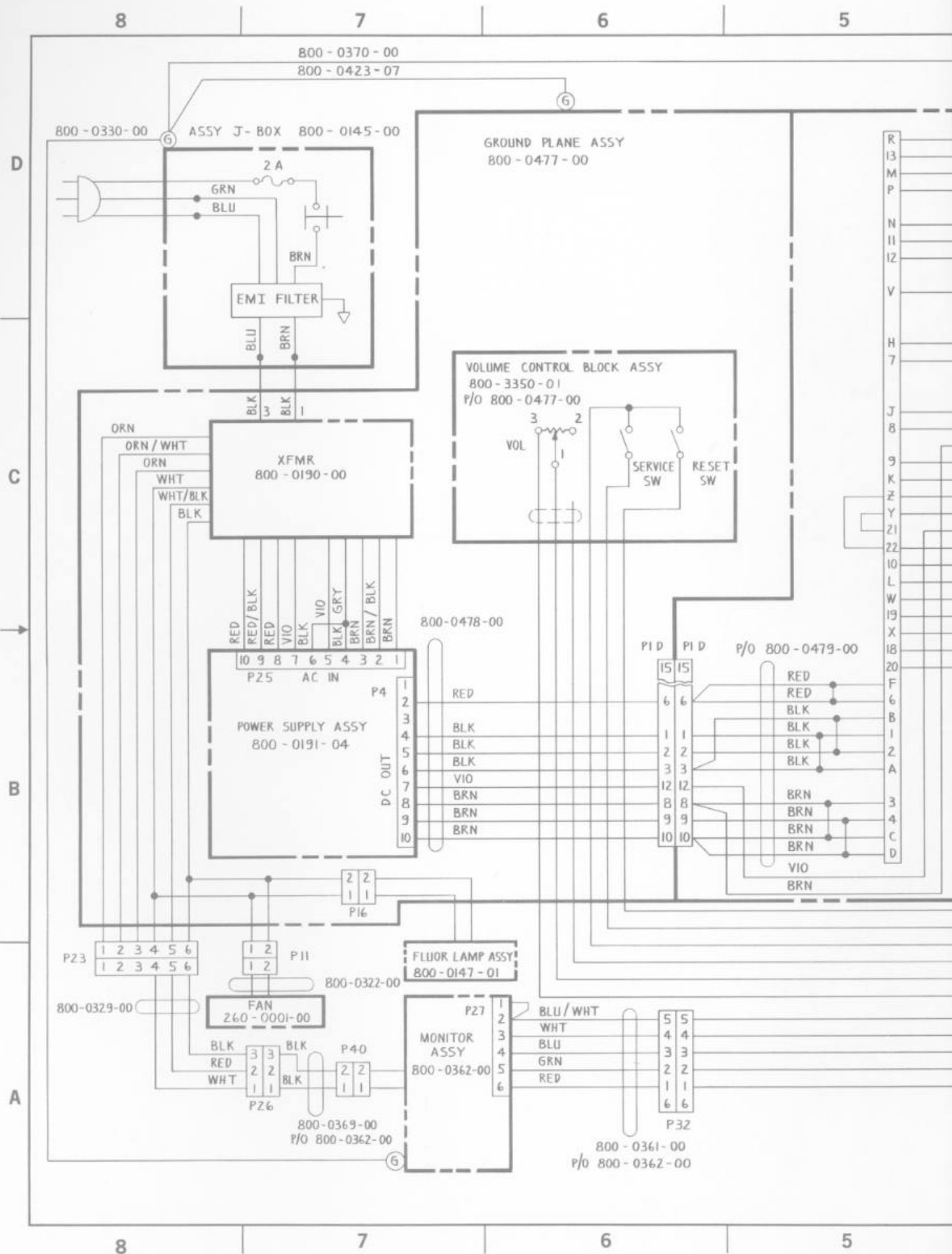
G-80 POWER SUPPLY P.C. ASSEMBLY

DRAWING NUMBER 800-0170

ITEM NO.	PART NO.	QTY. REQD.				DESCRIPTION	REF DES.
26	473-00R2	2	2	2	2	- RES .2 OHM 3W 5%	R14,R15
27	475-0004	1	1	1	1	1 POT 1K Car PCMTV	R31
28	481-0002	2	2	2	2	2 Diode MR751	D10,D12
29	481-0004	10	10	10	10	6 Diode MR501	D6-D-9,D11, D13-D17
30	481-0006	3	3	3	3	1 Diode IN914/IN4148	D1,D4,D5
31	482-0006	2	2	2	2	1 XSTR 2N4403	Q1,Q7
32	482-0014	2	2	2	2	- XSTR 2N4401	Q2,Q3
33	514-0002	2	-	2	-	- Fuse 3A Norm.	F1,F2
34	514-0003	8	8	8	8	4 Clip Fuse MTG	
35	514-0001-00	1	-	1	-	1 Fuse 2A Slow Blow	F4
36	514-0073	1	1	1	1	1 Fuse 15A Slow Blow	F3
37	600-0092-49	-	-	.5'	.5'	.5' Wire, 22 AWG White	
38	600-0092-50	-	-	.5'	.5'	.5' Wire, 22 AWG Black	
39	600-0094-04	-	-	1	1	1 Wire, 22 AWG Solid Bus Uninsulated	
40	471-0220	1	1	1	1	- RES 22 OHM 1/2W 5%	R8
41	471-0221	1	1	1	1	1 RES 220 OHM 1/2W 5%	R33
42	213-0003-00	-	-	1	1	1 Socket 14 Pin Socket	V1



Schematics



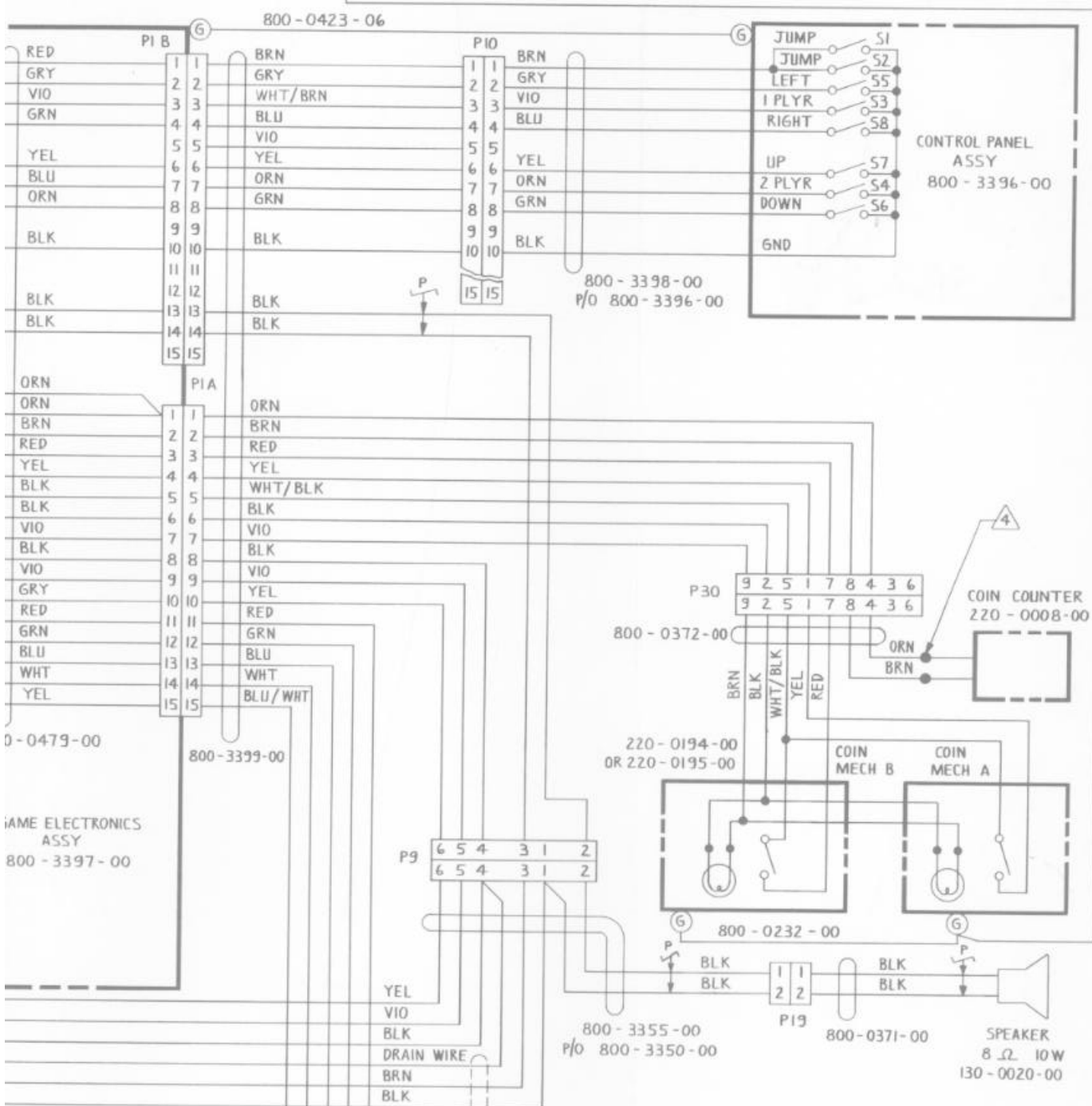
4

3

2

1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	—	SEE SH # 1		



AME ELECTRONICS
ASSY
800-3397-00

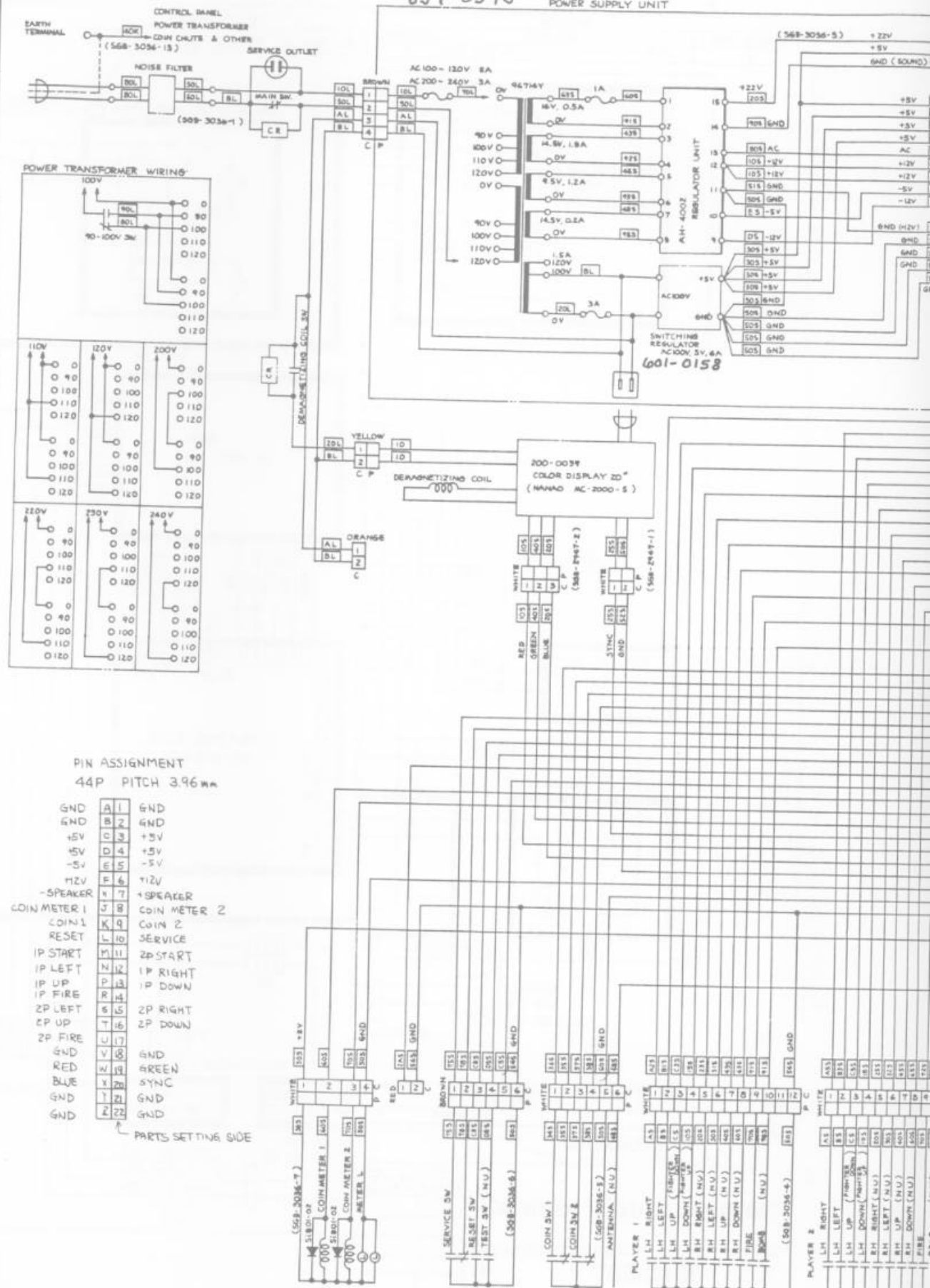
QTY REQD	CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± .XXX ±				
MATERIAL		CONTRACT NO.		
FINISH		APPROVALS DATE		
NEXT ASSY USED ON		DRAWN		
APPLICATION		CHECKED		
		MECH		
		ELEC		
		MFG		
		PROJECT		
		SIZE CODE IDENT NO. DRAWING NO.		
		D 700-0134 A		
		SHEET 2 OF		

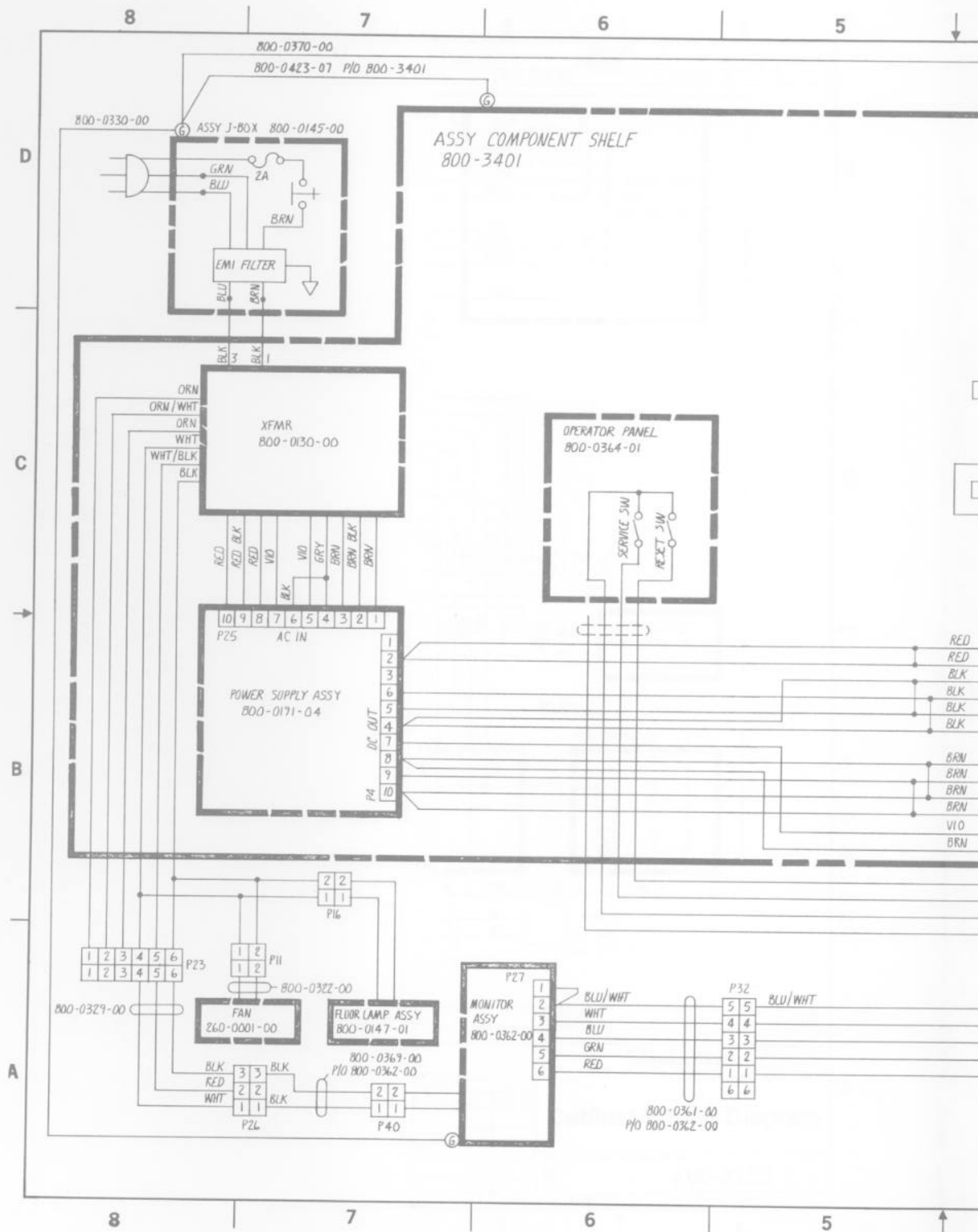
4

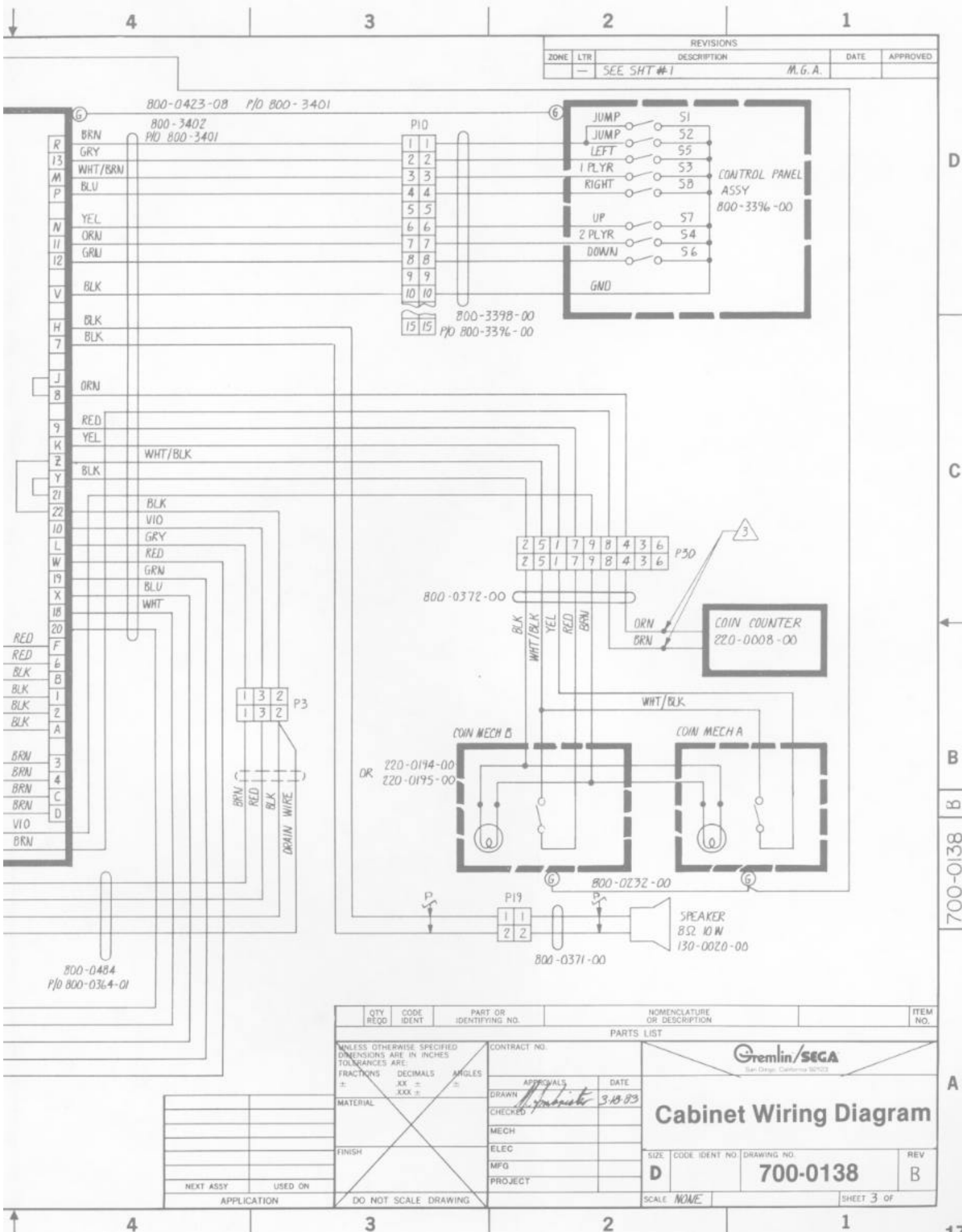
3

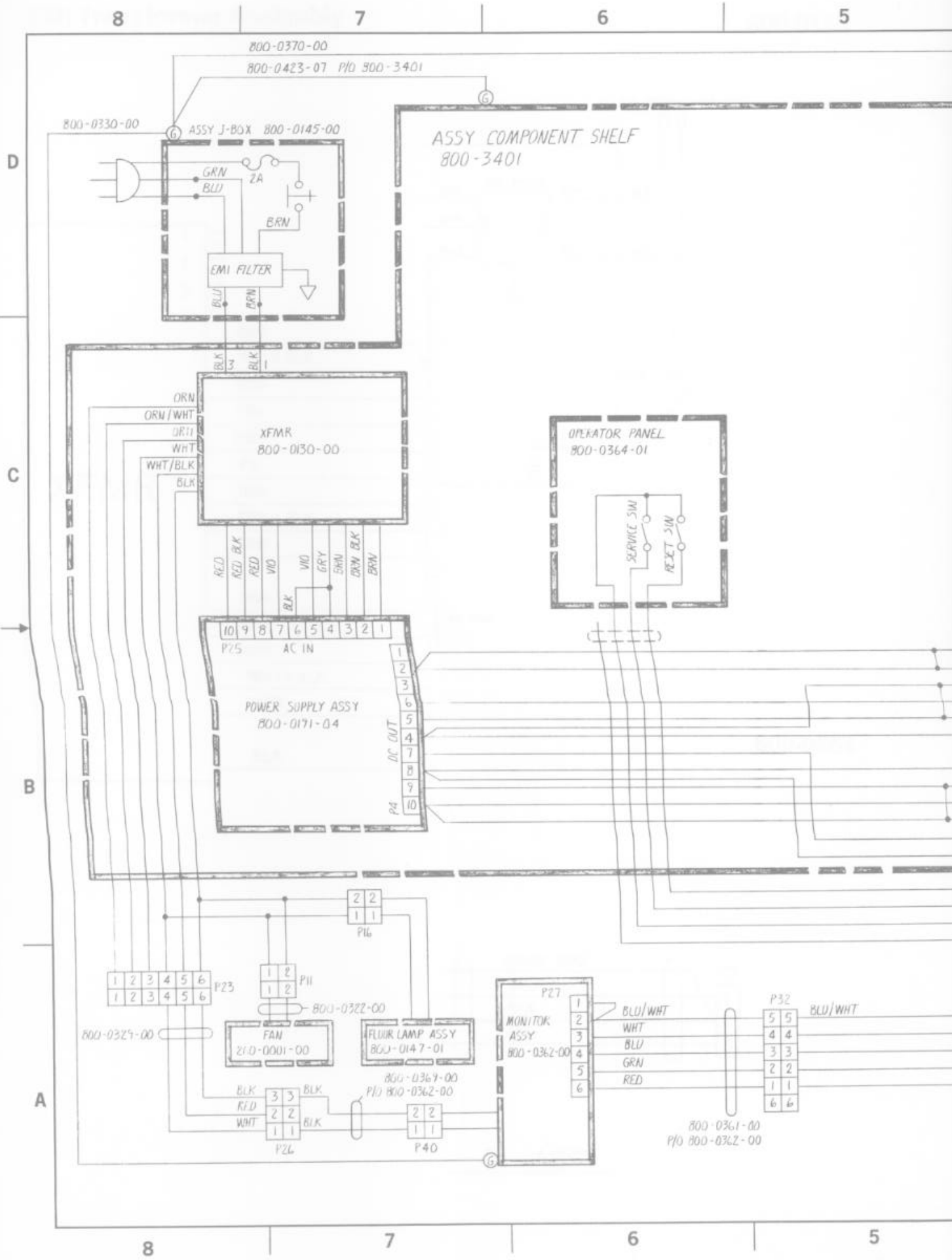
2

1









800-0370-00
800-0423-07 P/O 800-3401

800-0330-00
ASSY J-BOX 800-0145-00

ASSY COMPONENT SHELF
800-3401

XFRM
800-0130-00

OPERATOR PANEL
800-0364-01

POWER SUPPLY ASSY
800-0171-04

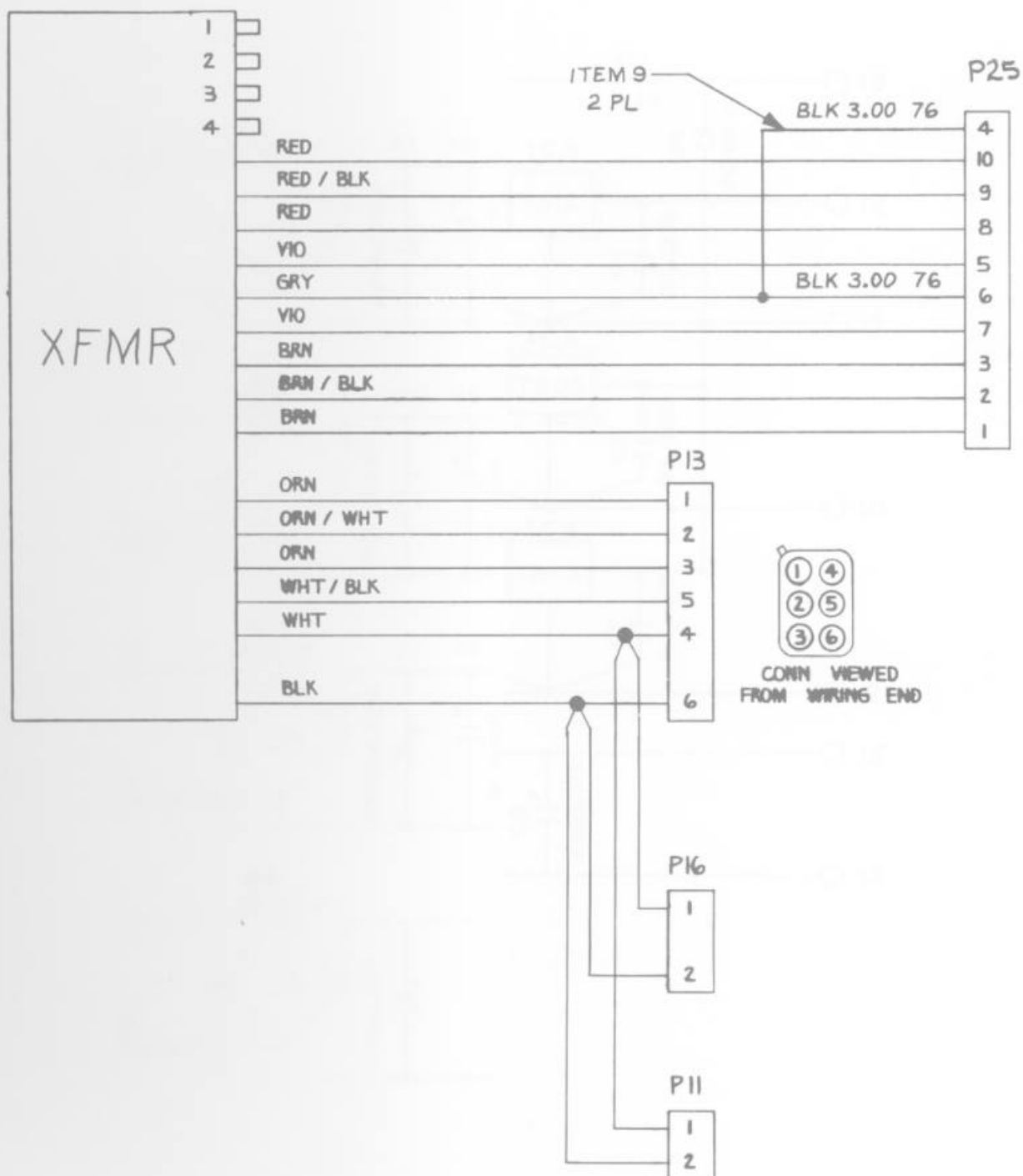
FAN
210-0001-00

FLOOR LAMP ASSY
800-0147-01

MONITOR ASSY
800-0362-00

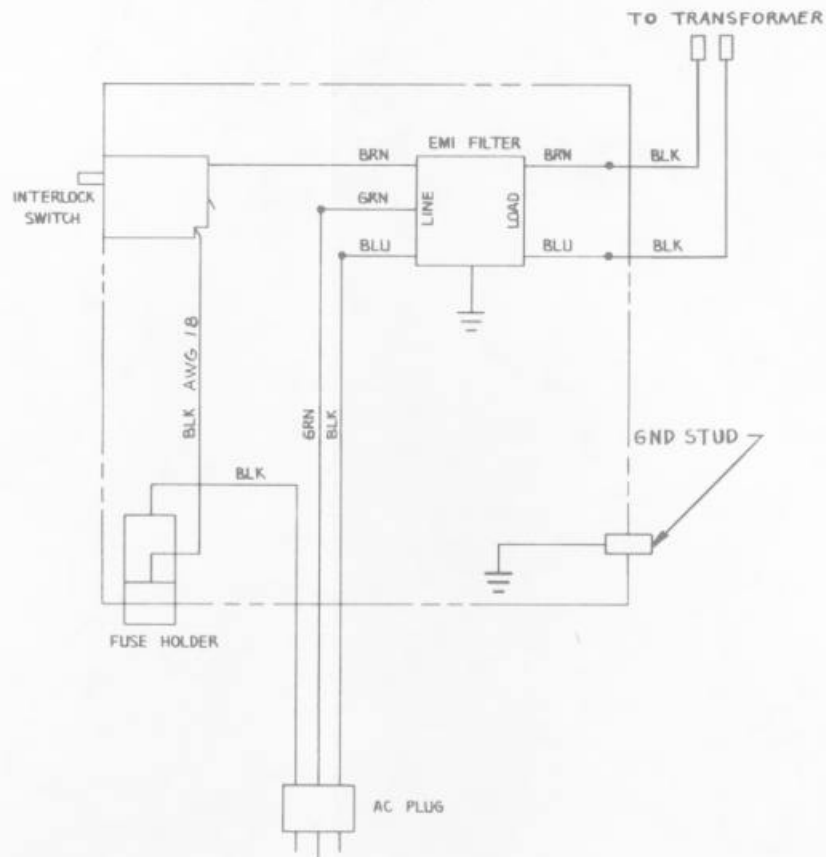
800-0329-00

800-0361-00
P/O 800-0362-00



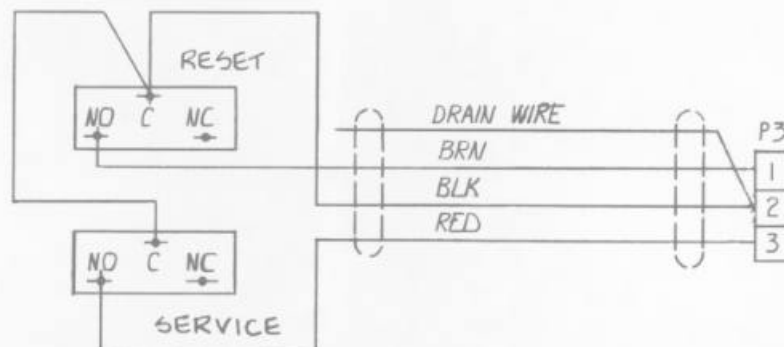
AC Junction Box Assembly

800-0145

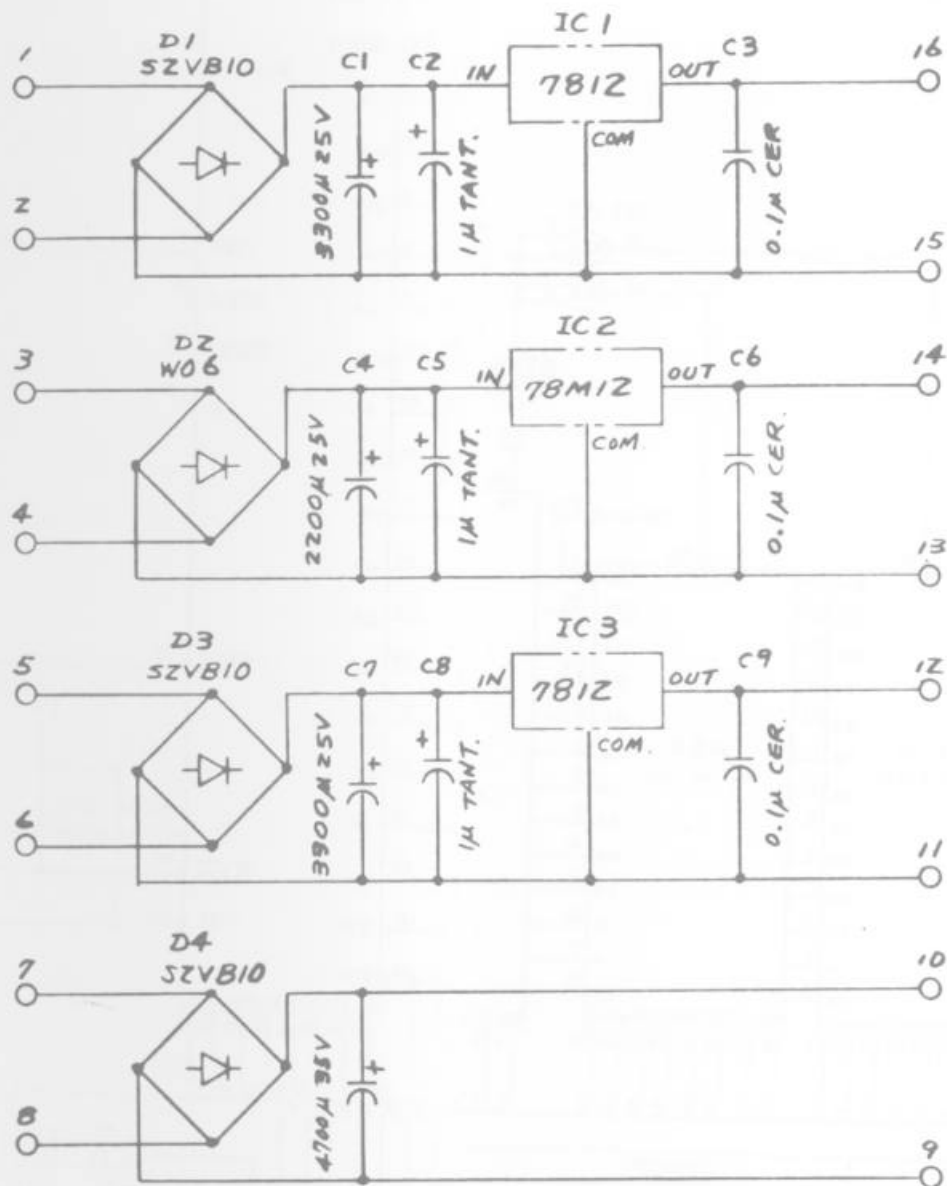


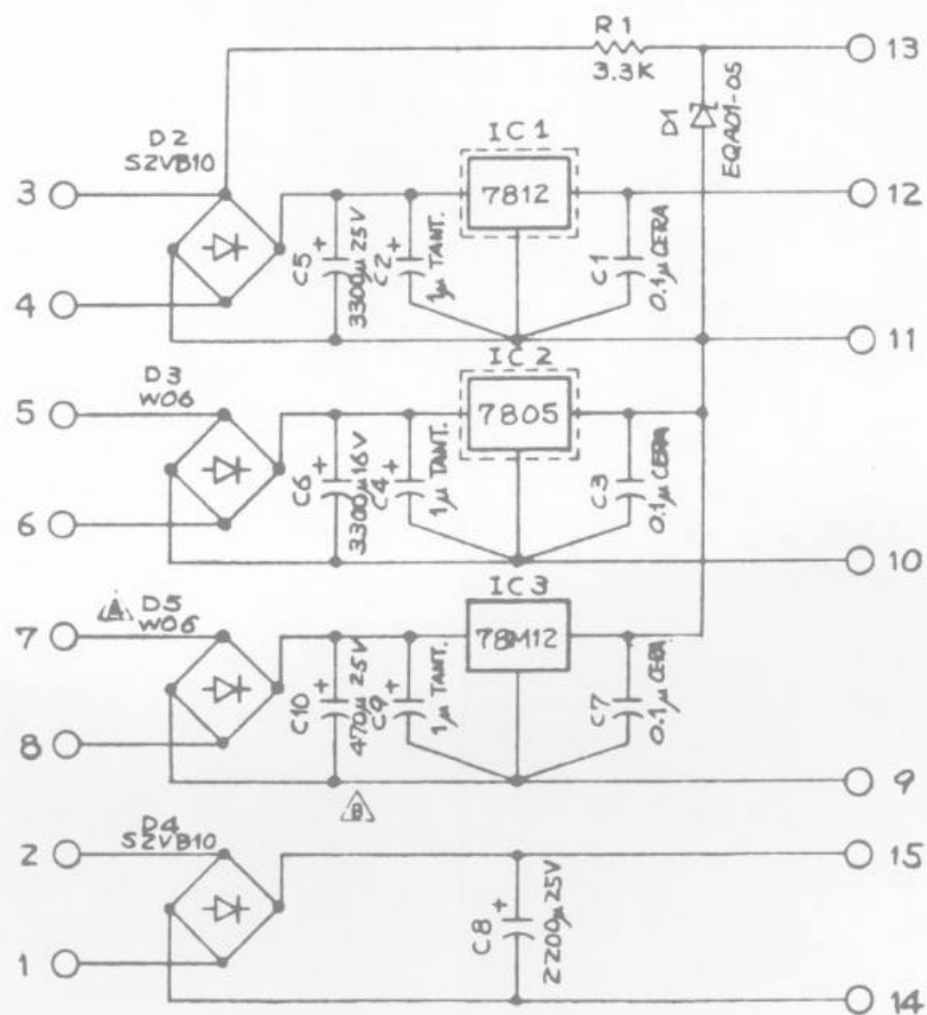
Operator Control Block Assembly

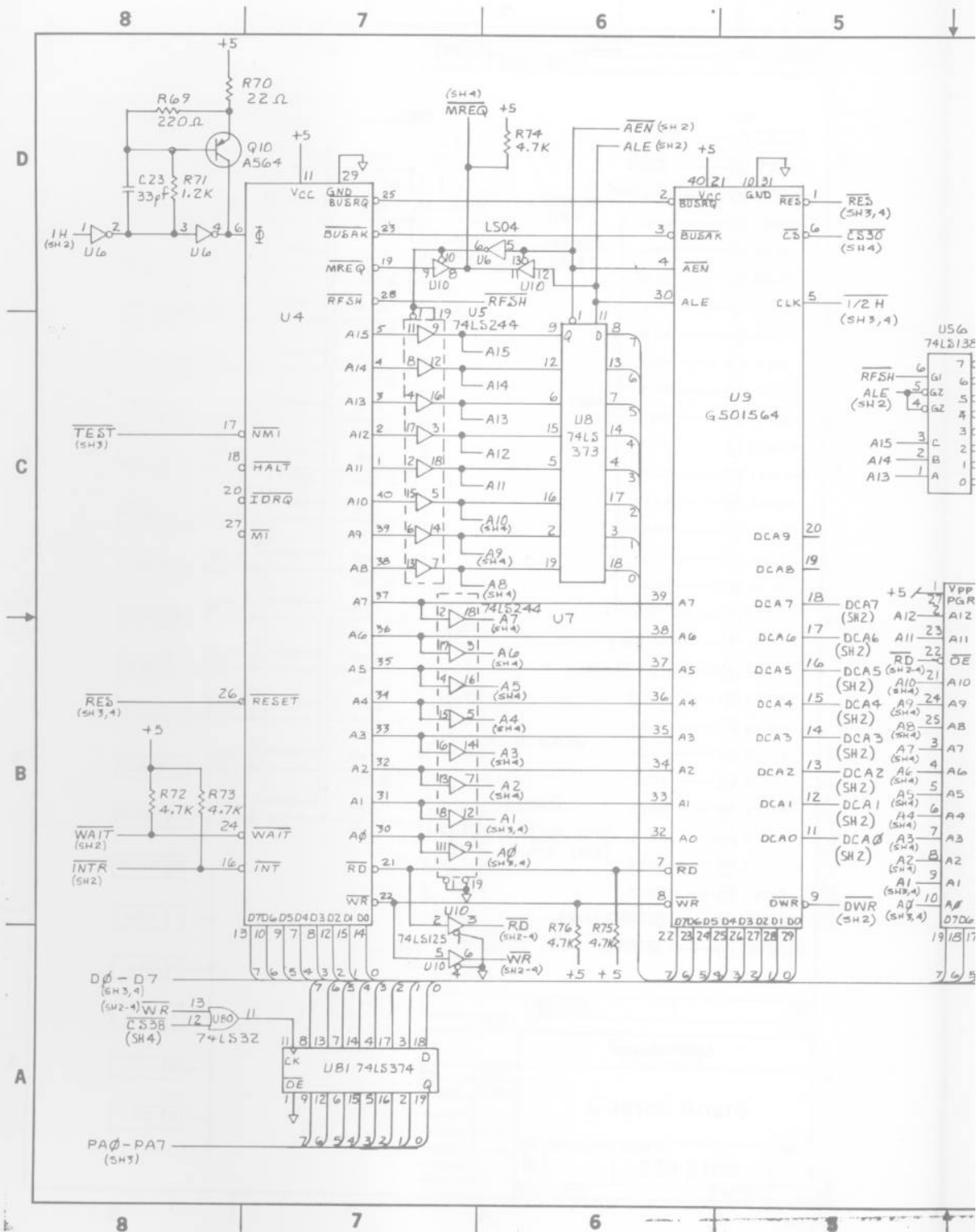
800-0364



-01 ASSY







4

3

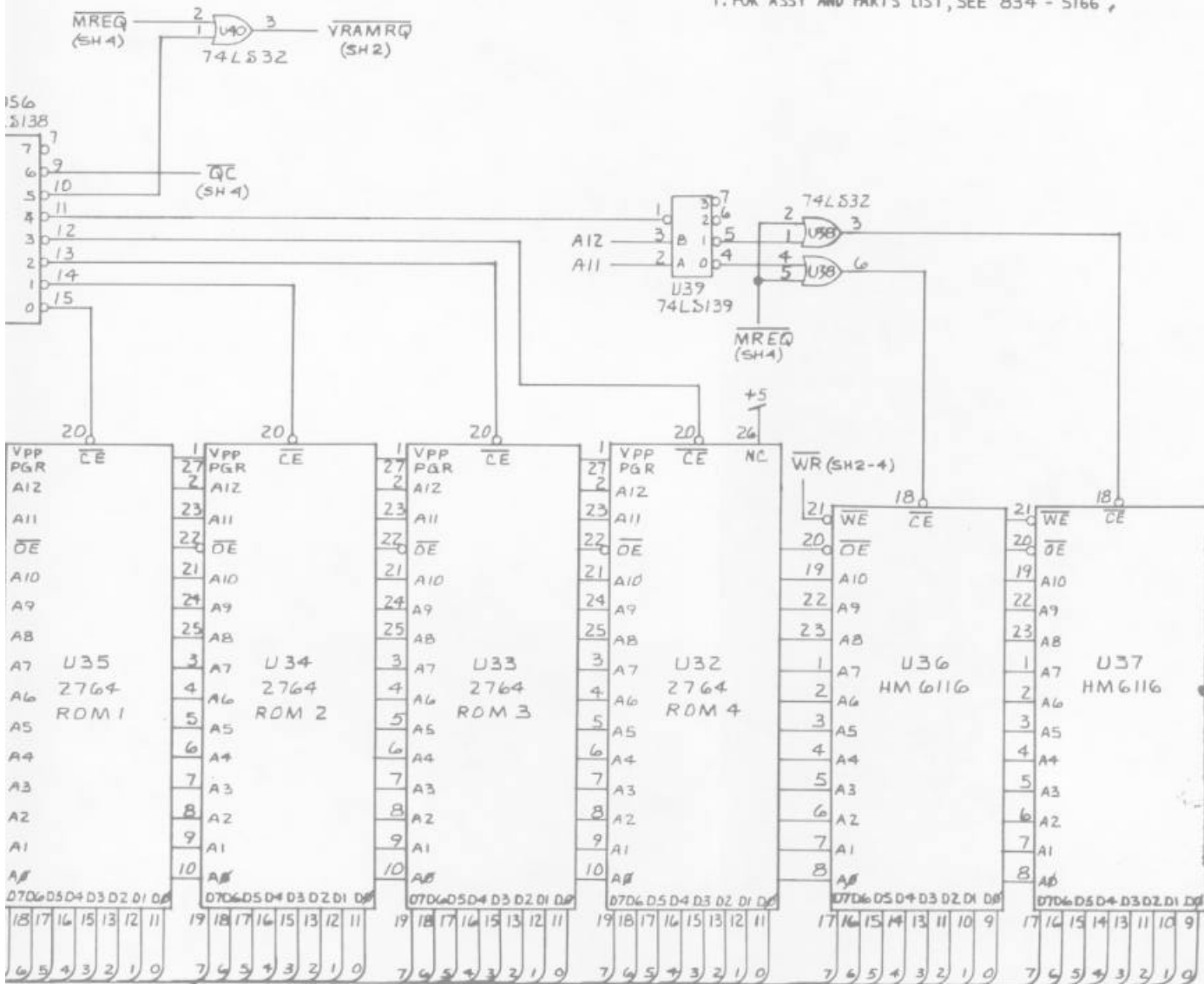
2

1

REV				REV STATUS		REVISIONS			
A	A	A	A	SH	OF SHEETS	ZONE	LTR	DESCRIPTION	DATE
4	3	2	1			A		RELEASED	8-29-83

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. FOR ASSY AND PARTS LIST, SEE 834 - 5166 ,



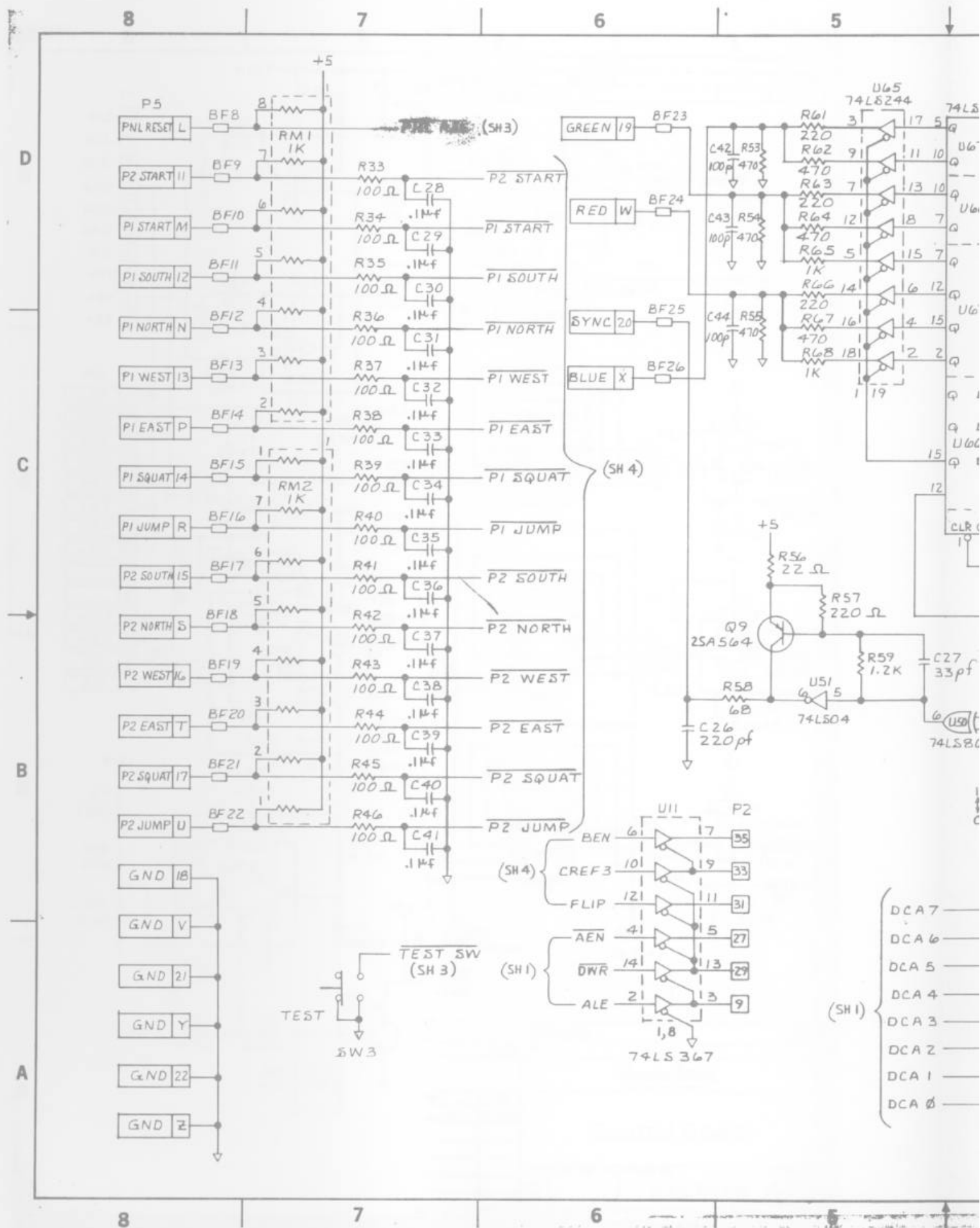
QTY REQD	CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		CONTRACT NO.		
FRACTIONS	DECIMALS	ANGLES		
=	.XX ±	=		
MATERIAL		APPROVALS		
FINISH		DATE		
NEXT ASSY		DRAWN		
USED ON		CHECKED		
APPLICATION		MECH		
		ELEC		
		MFG		
		PROJECT		
		SCALE		
		SHEET 1 OF 4		

4

3

2

1

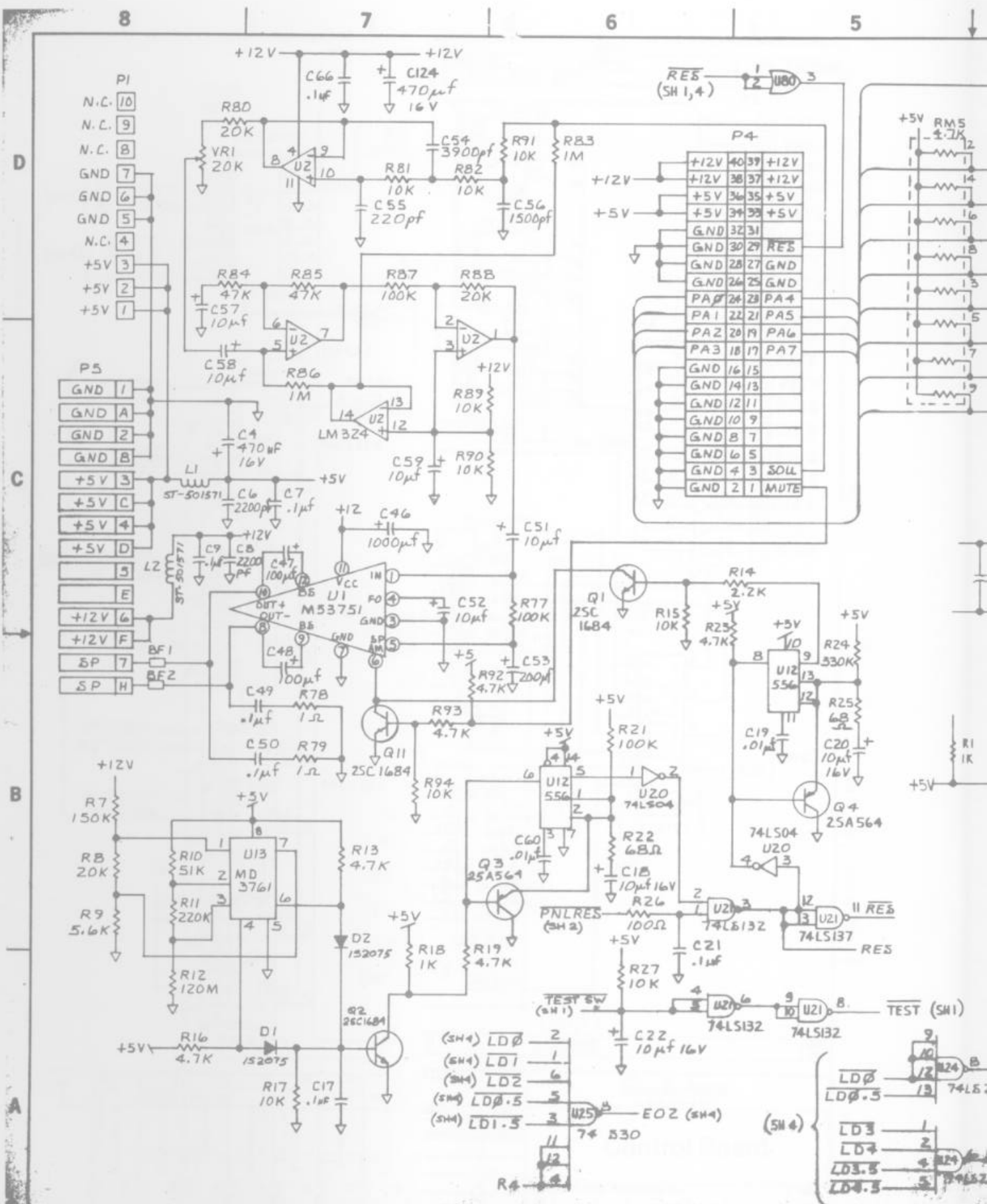


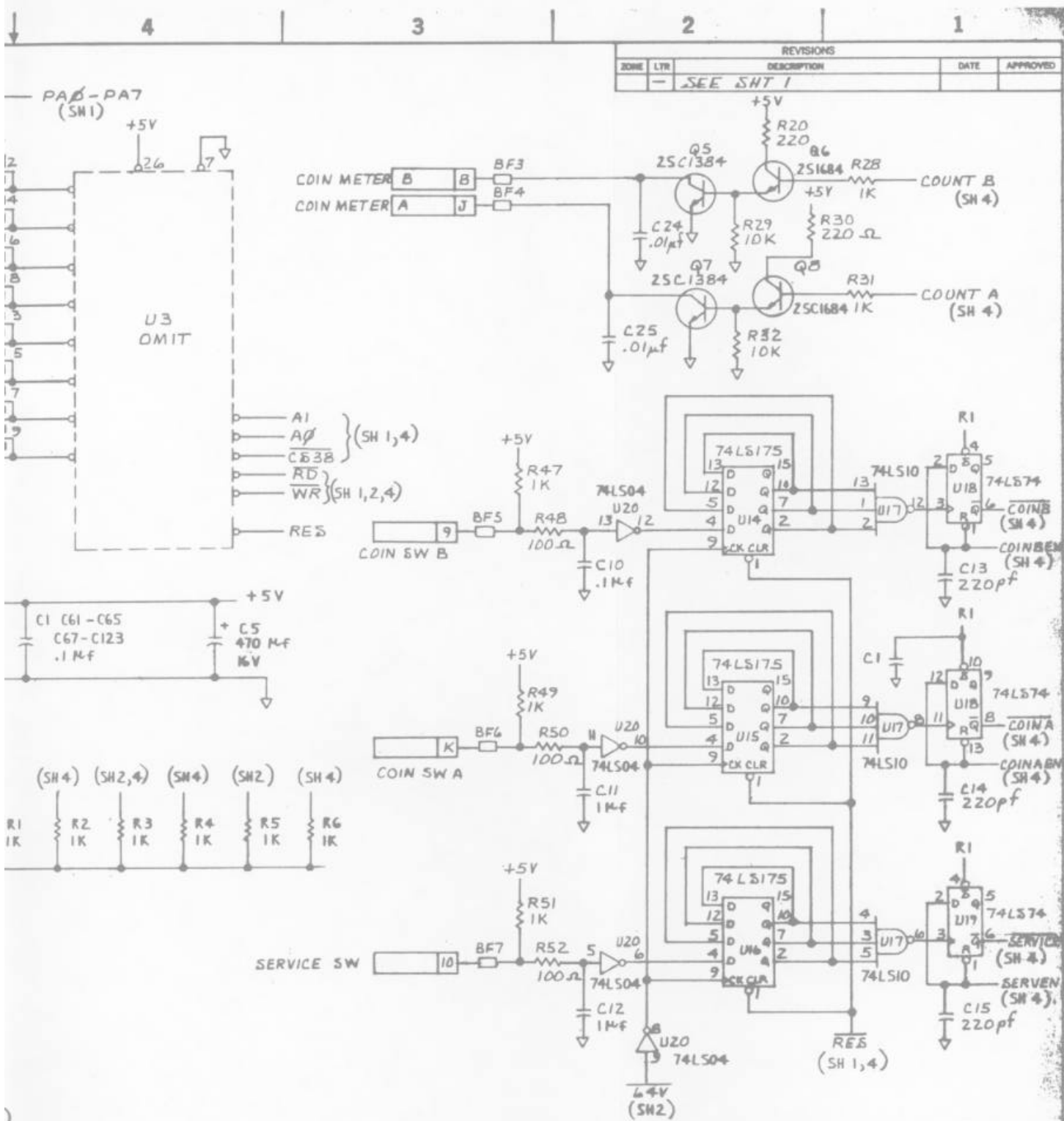
8

7

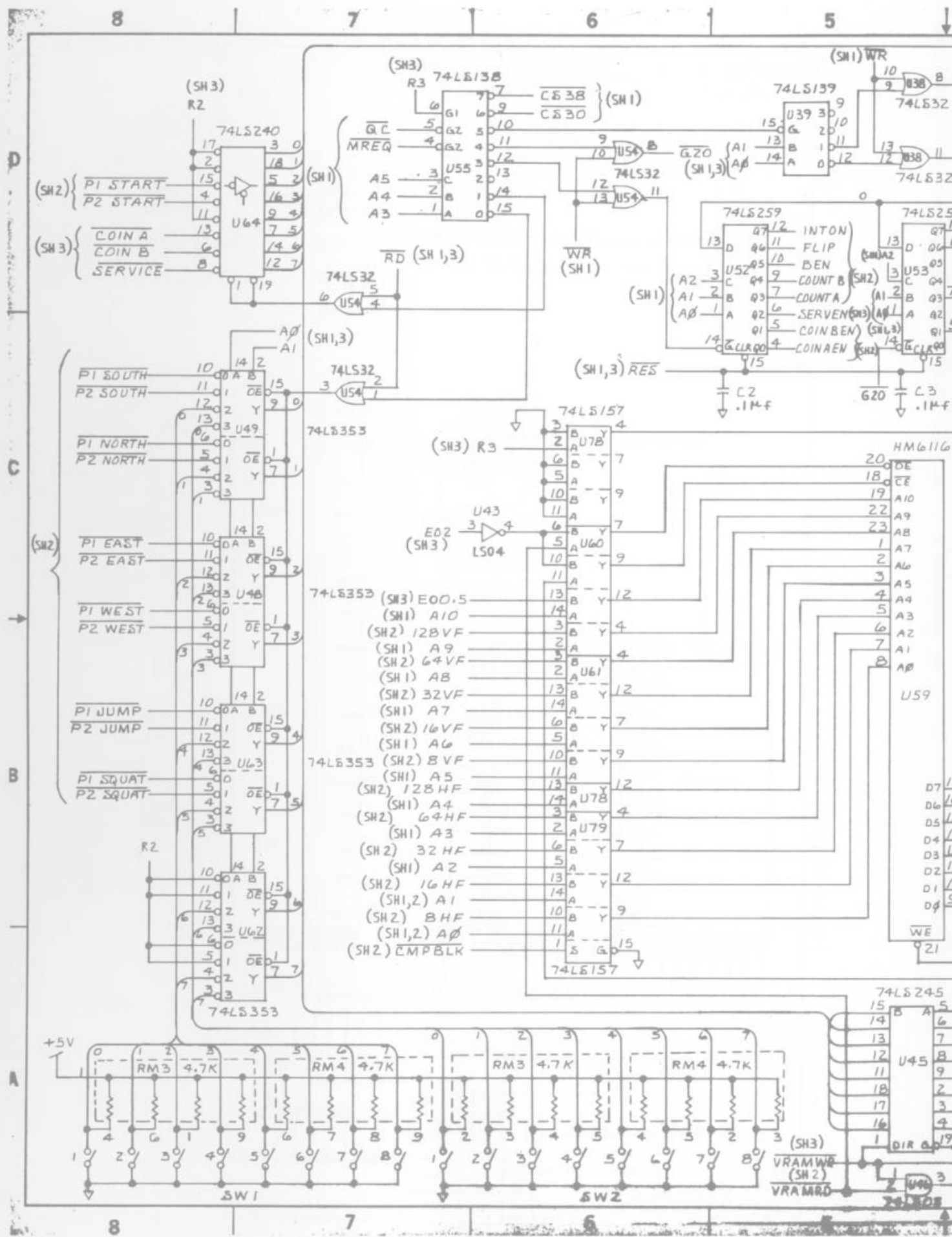
6

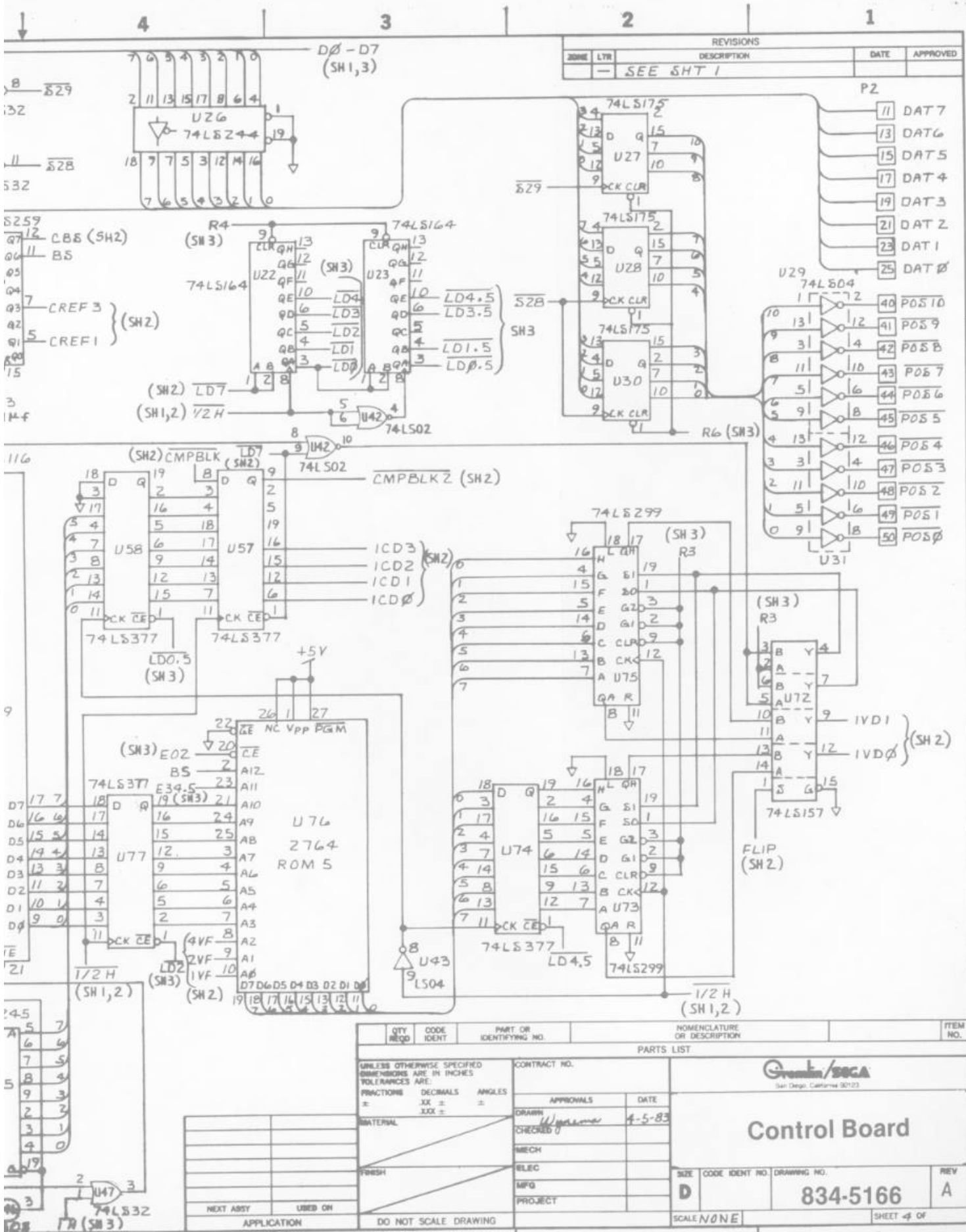
5





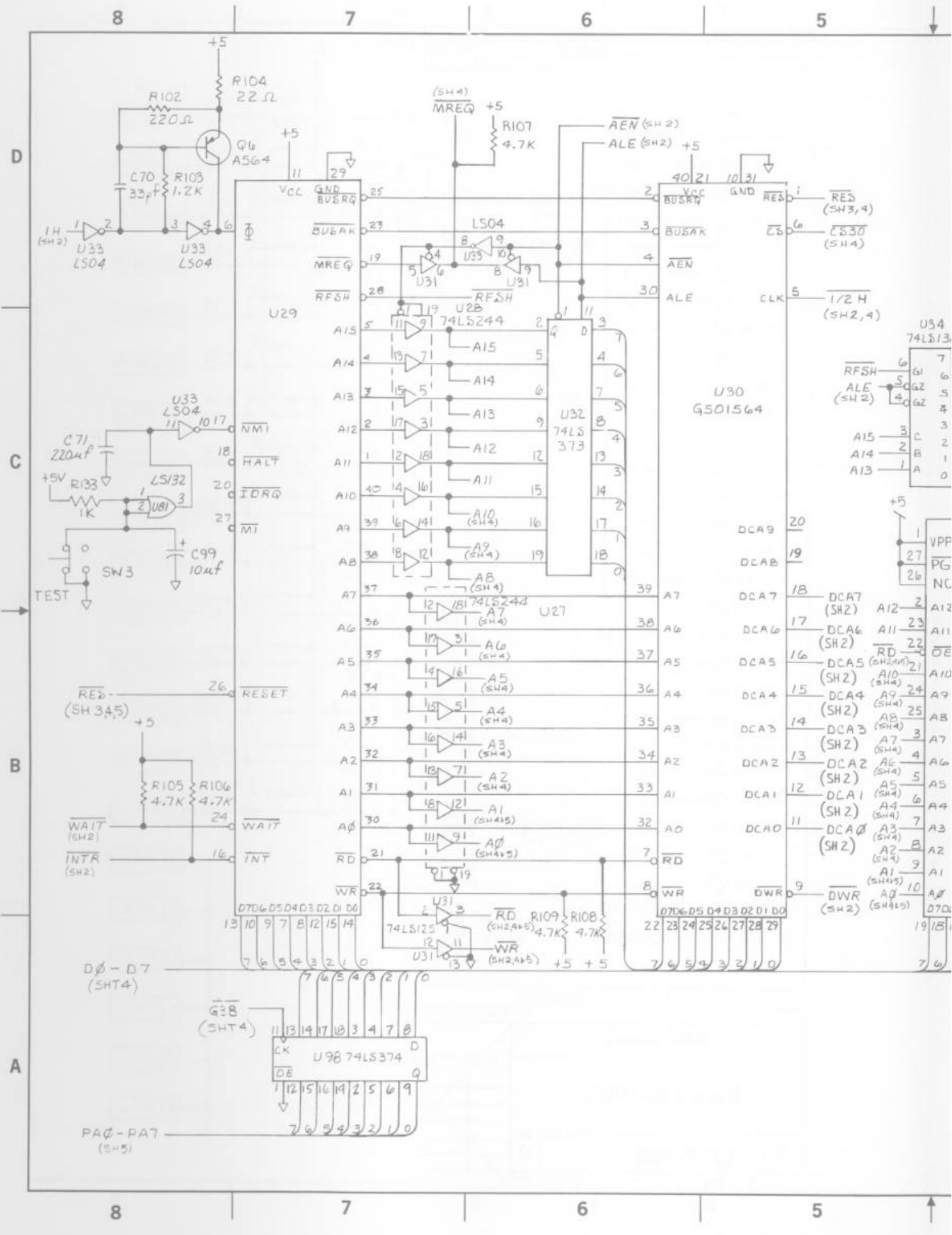
QTY	REQD	CODE	IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	ITEM NO.
PARTS LIST						
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE IN INCHES FRACTIONS DECIMALS ANGLES				CONTRACT NO.		
± ± ± ±				APPROVALS DATE		
				4-4-8		
				Control Board		
				834-5166		





D
C
B
A
A

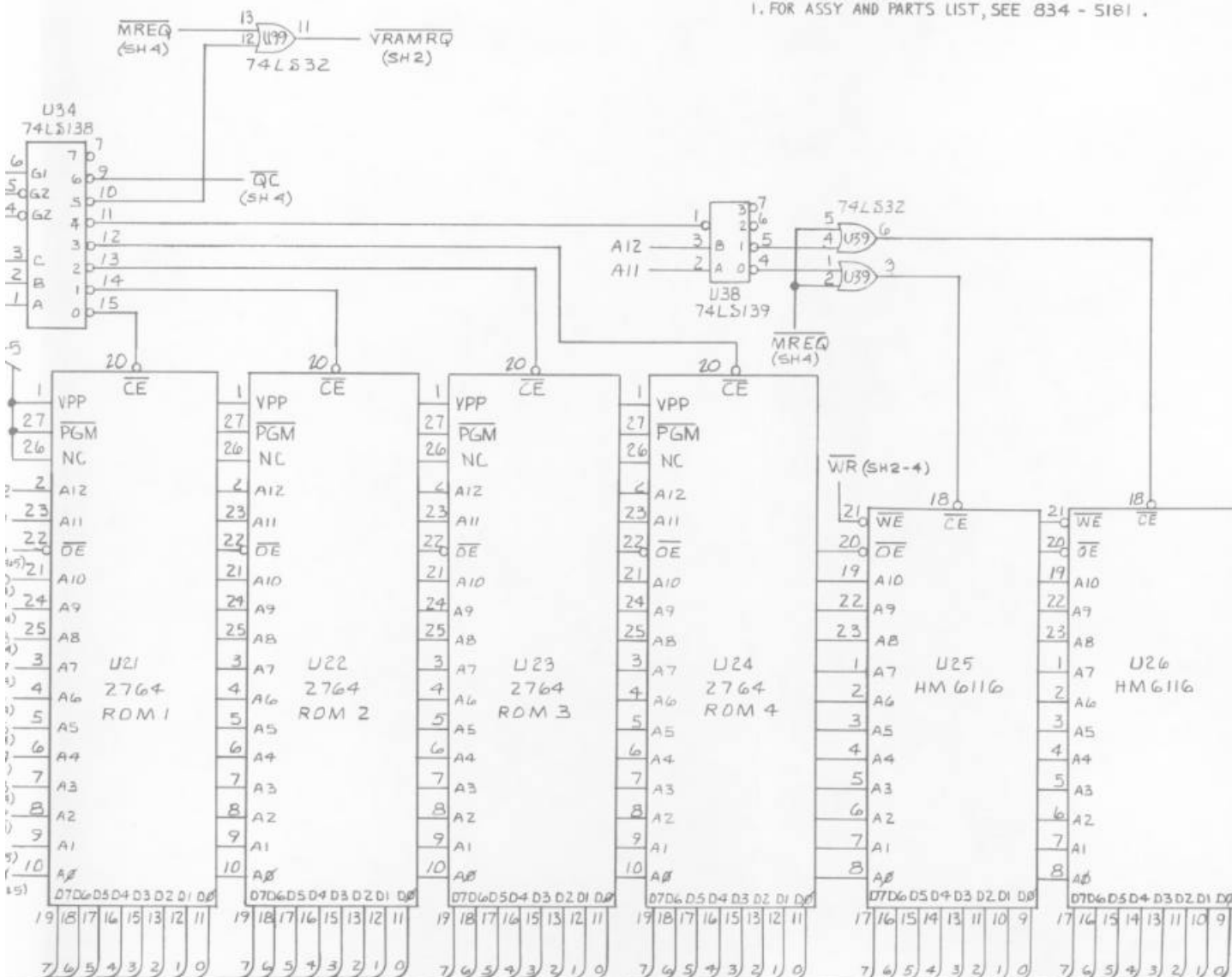
605-5166



3							2				1			
A	A	A	A	A	A	REV	REV STATUS OF SHEETS	REVISIONS						
6	5	4	3	2	1	SH		ZONE	LTR	DESCRIPTION		DATE	APPROVED	
								A	RELEASED					

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. FOR ASSY AND PARTS LIST, SEE 834 - 5181.



QTY	CODE	PART OR	NOMENCLATURE	ITEM
REQD	IDENT	IDENTIFYING NO.	OR DESCRIPTION	NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .005 ± .001 ± .001			CONTRACT NO.	
MATERIAL			APPROVALS	
FINISH			DATE	
NEXT ASSY			DRAWN	
USED ON			CHECKED	
APPLICATION			MECH	
DO NOT SCALE DRAWING			ELEC	
			MFG	
			PROJECT	
			SCALE	
			SHEET 1 OF 6	

Gremlin/SIGA
San Diego, California 92103

Control Board

SIZE CODE IDENT NO. DRAWING NO. REV
D 834-5212 A

D

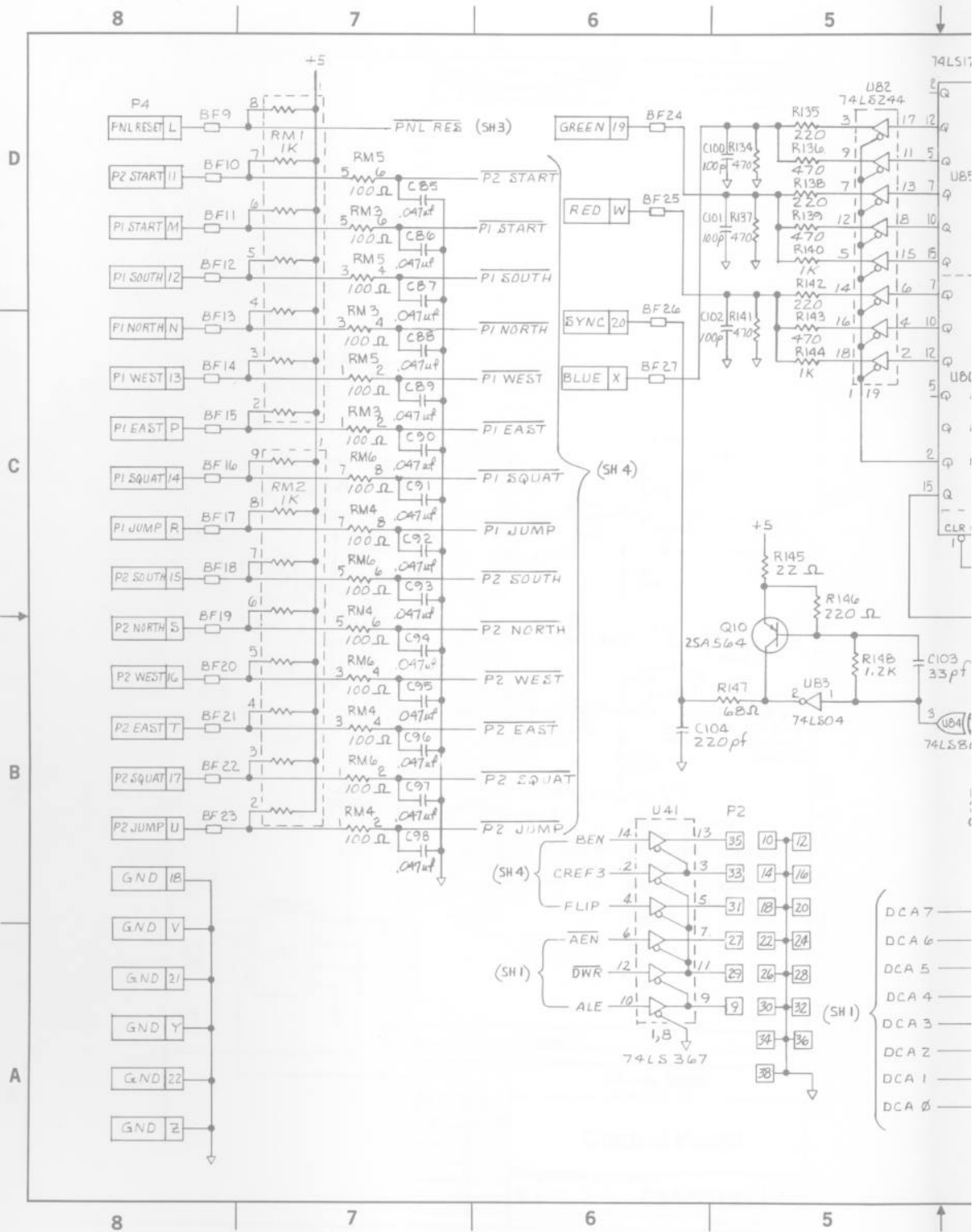
C

B

A

A

180



8

7

6

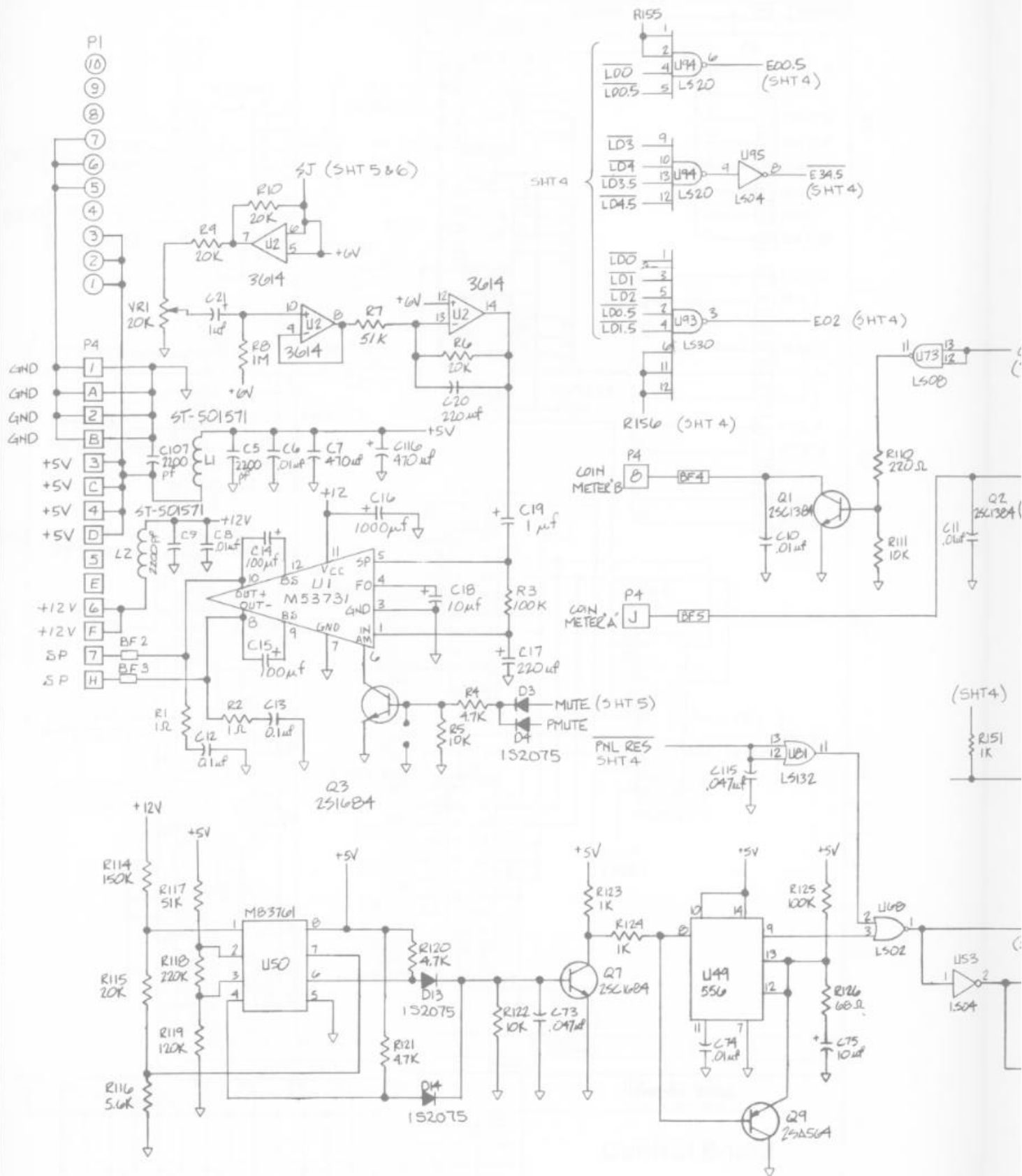
5

D

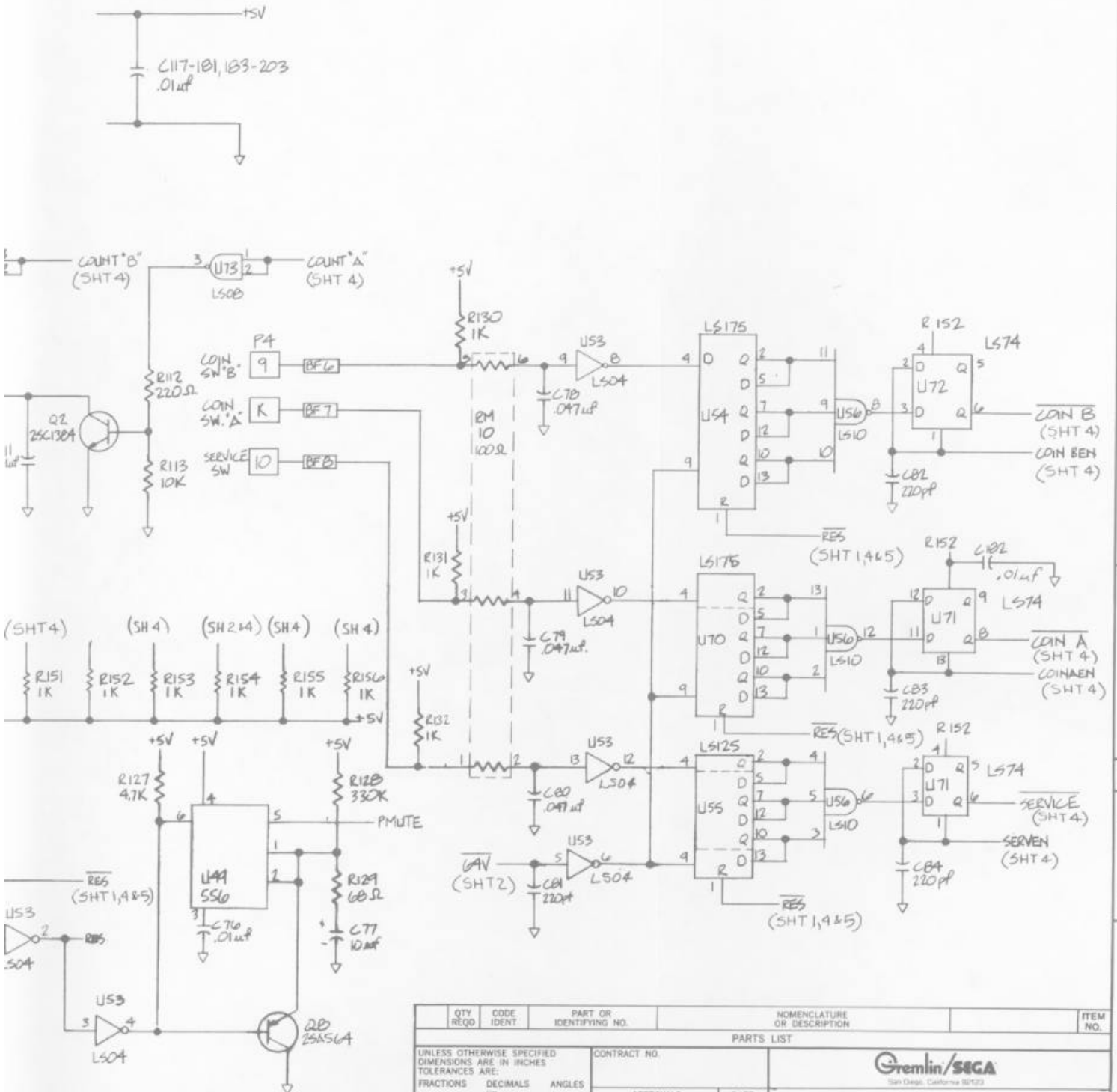
C

B

A



↓		4	3	2	1
				REVISIONS	
ZONE	LTR	DESCRIPTION		DATE	APPROVED
	—	SEE SHT 1			



				APPROVALS		DATE	
		MATERIAL		DRAWN <i>J. Brown</i>		5-9-83	
				CHECKED			
				MECH			
		FINISH		ELEC			
				MFG			
NEXT ASSY		USED ON		PROJECT			
APPLICATION		DO NOT SCALE DRAWING		SCALE <i>NONE</i>		SHEET 3 OF	

Control Board

SIZE	CODE	IDENT NO.	DRAWING NO.	REV
D			834-5212	A

↑	4	3	2	1
---	---	---	---	---

D

C

B

A

834-5212

182