







DESIGNATION LIST

<u>DESIGNATION NO.</u>	<u>DESCRIPTION</u>	<u>DESIGNATION NO.</u>	<u>DESCRIPTION</u>	<u>DESIGNATION NO.</u>	<u>DESCRIPTION</u>
C101-C103	10 MF 25V AX. TANT.	R152	1MEG. OHM 1/4W 5X CRBN.	D101-D103 D105-D107	1N4148 1N4148
C104-C127 C128,C129 C131	.1 MF 50V AX. CER. 47 PF 50V AX. CER. 10 MF 25V AX. TANT.	R153	1K OHM 1/4W 5X CRBN.	Q101-Q103 Q104	T1P110 2N4403
C134-C137 C138	1 MF 20V AX. TANT. 10 MF 25V AX. TANT.	R154	1MEG. OHM 1/4W 5X CRBN.	IC1A	7406
C139	.047 MF 100V MYLAR	R155,R156	10K OHM 1/4W 5X CRBN.	IC3A,4A	74LS273
C140	.01 MF 50V AX. CER.	R157,R158	1.2K OHM 1/4W 5X CRBN.	IC5A	74LS374
C142	100 PF 50V AX. CER.	R160,R161	330 OHM 1/4W 5X CRBN.	IC6A	1K X 8 RAM
C143	.1 MF 50V AX. CER.	R162	220 OHM 1/4W 5X CRBN.	IC7A	ROM/EPROM 0
C144	33 PF 50V AX. CER.	R163	1.2K OHM 1/4W 5X CRBN.	IC8A	ROM/EPROM 1
C145-C156	.0022 MF 100V 10X MYLAR	R164	22 OHM 1/4W 5X CRBN.	IC9A	ROM/EPROM 2
C157-C159 C161	1 MF 20V AX. TANT. 330 PF 50V AX. CER.	R165,R166	4.7K OHM 1/4W 5X CRBN.	IC10A	ROM/EPROM 3
C162-C164 C165	1 MF 20V AX. TANT. 330 PF 50V AX. CER.	R173-R178	5.6K OHM 1/4W 5X CRBN.	IC11A	74LS245
C166,C167	10 MF 25V AX. TANT.	R179	24K OHM 1/4W 5X CRBN.	IC12A	Z-80 CPU
C172	10 MF 25V AX. TANT.	R196	24K OHM 1/4W 5X CRBN.	IC13A	74LS08
C173	.01 MF 50V AX. CER.	R197-R202	5.6K OHM 1/4W 5X CRBN.	IC2B,4B,5B	74LS244
C501-C509	.1 MF 50V AX. CER.	R203-R208	33K OHM 1/4W 5X CRBN.	IC7B,8B	74LS138
CP1	470 MF 16V AX. ELECT.	R209-R211	13K OHM 1/4W 5X CRBN.	IC9B	74LS670
CP2-CP12	.01 MF 50V AX. CER.	R213	27K OHM 1/4W 5X CRBN.	IC10B	74LS32
CP13	470 MF 16V AX. ELECT.	R214-R219	33K OHM 1/4W 5X CRBN.	IC11B	74LS670
CP14-CP19	.01 MF 50V AX. CER.	R225,R226	3K OHM 1/4W 5X CRBN.	IC12B,13B	74LS138
CP20	10 MF 25V AX. TANT.	R227	1K OHM 1/4W 5X CRBN.	IC14B	74LS174
CP21-CP27	.01 MF 50V AX. CER.	R228	4.7K OHM 1/4W 5X CRBN.	IC6C	7407
CP29-CP33	.01 MF 50V AX. CER.	R231	300 OHM 1/4W 5X CRBN.	IC10C	MC3403
CP34	10 MF 25V AX. TANT.	R233	3K OHM 1/4W 5X CRBN.	IC11C	74LS04
CP35-CP46	.01 MF 50V AX. CER.	R234,R235	4.7K OHM 1/4W 5X CRBN.	IC12C	MC14024
CP47	470 MF 16V AX. ELECT.	R239	100 OHM 1/4W 5X CRBN.	IC13C	7427
CP48-CP51	.01 MF 50V AX. CER.	R301-R306	2.7K OHM 1/4W 5X CRBN.	IC14C	74LS367
CP52,CP53	10 MF 25V AX. TANT.	R401	1K OHM 1/4W 5X CRBN.	IC3D	LM3900
CP54	470 MF 16V AX. ELECT.	R402	4.7K OHM 1/4W 5X CRBN.	IC6D	74LS02
CP202-CP204	10 MF 25V AX. TANT.	R403,R404	33K OHM 1/4W 5X CRBN.	IC7D-9D	MC14016
R101-R107	4.7K OHM 1/4W 5X CRBN.	R405-R407	4.7K OHM 1/4W 5X CRBN.	IC11D	74190
R108-R131	220 OHM 1/4W 5X CRBN.	R501-R509	220 OHM 1/4W 5X CRBN.	IC12D	PROMSB2A
R135	33K OHM 1/4W 5X CRBN.	R510	2.7K OHM 1/4W 5X CRBN.	IC13D	74166
R138,R141	180K OHM 1/4W 5X CRBN.	RM1	4.7K OHM 10 PIN S.I.P.	IC2E	74LS244
R142	100K OHM 1/4W 5X CRBN.	RM2-RM5	2.7K OHM 10 PIN S.I.P.	IC10E	MC3403
R144,R145	620K OHM 1/4W 5X CRBN.	RM7	4.7K OHM 8 PIN S.I.P.	IC11E	74161
R146	10K OHM 1/4W 5X CRBN.	RM8	820 OHM 8 PIN S.I.P.	IC12E	74126
R148	100K OHM 1/4W 5X CRBN.	RM9	1.8K OHM 10 PIN S.I.P.	IC2F	74LS244
R149,R150	620K OHM 1/4W 5X CRBN.	RM14	4.7K OHM 10 PIN S.I.P.	IC3F-5F	74LS191
R151	10K OHM 1/4W 5X CRBN.			IC6F,7F	AY-3-8910

DESCRIPTION

33 PF 50V 5% AX. CER.  
 47 PF 50V AX. CER.  
 100 PF 50V 5% AX. CER.  
 330 PF 50V AX. CER.  
 .0022 MF 100V 10% MYLAR  
 .047 MF 100V MYLAR  
 .01 MF 50V AX. CER.

.1 MF 50V AX. CER.  
 1 MF 20V AX. TANT.  
 10 MF 25V AX. TANT.

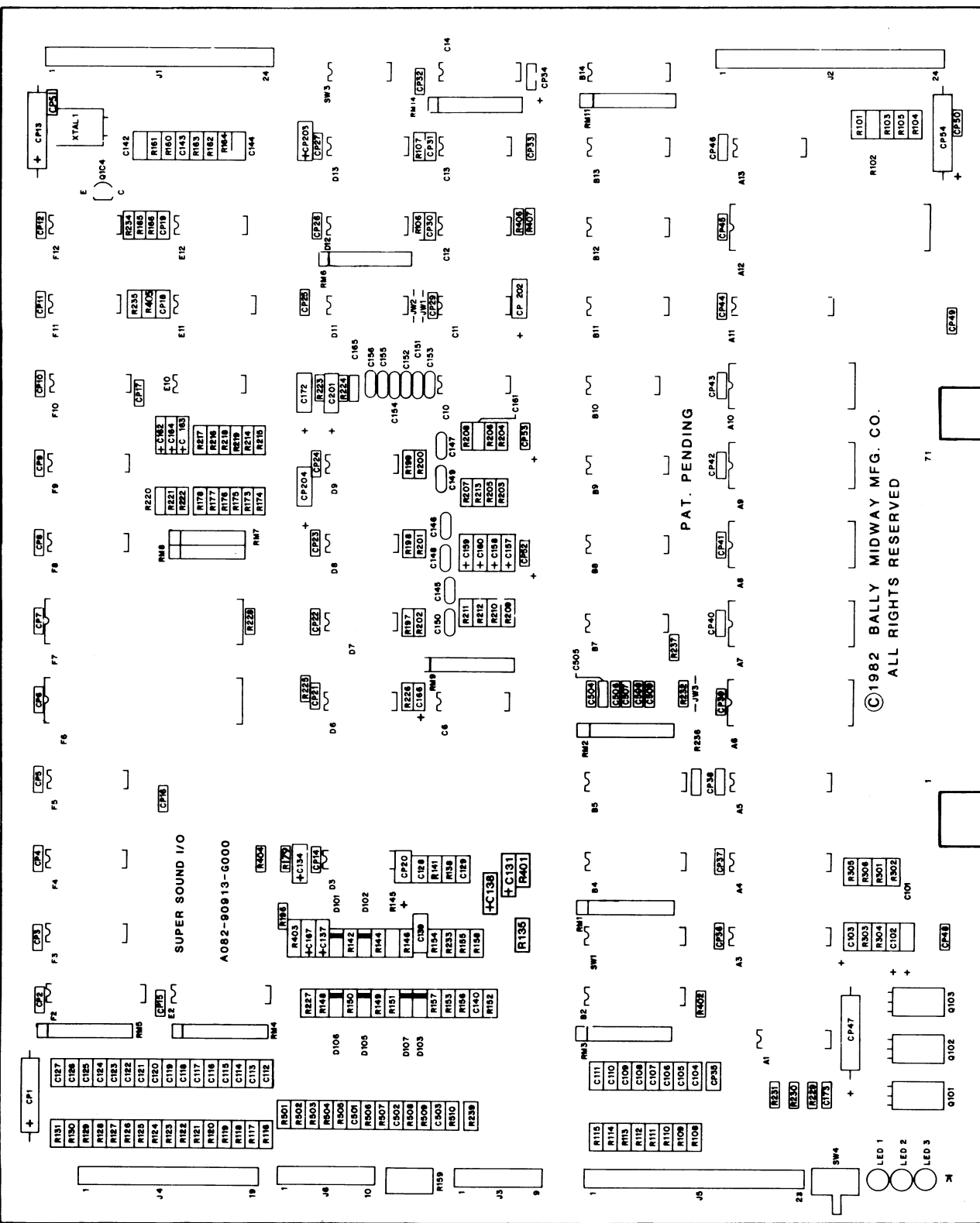
470 MF 16V AX. ELECT.

22 OHM 1/4W 5% CRBN.  
 100 OHM 1/4W 5% CRBN.  
 220 OHM 1/4W 5% CRBN.  
 300 OHM 1/4W 5% CRBN.  
 330 OHM 1/4W 5% CRBN.  
 1K OHM 1/4W 5% CRBN.  
 1.2K OHM 1/4W 5% CRBN.  
 2.7K OHM 1/4W 5% CRBN.  
 3K OHM 1/4W 5% CRBN.  
 4.7K OHM 1/4W 5% CRBN.

5.6K OHM 1/4W 5% CRBN.  
 10K OHM 1/4W 5% CRBN.  
 13K OHM 1/4W 5% CRBN.  
 24K OHM 1/4W 5% CRBN.  
 27K OHM 1/4W 5% CRBN.  
 33K OHM 1/4W 5% CRBN.

100K OHM 1/4W 5% CRBN.  
 180K OHM 1/4W 5% CRBN.  
 620K OHM 1/4W 5% CRBN.  
 1 MEG. OHM 1/4W 5% CRBN.

820 OHM 8 PIN S.I.P.  
 1.8K OHM 10 PIN S.I.P.  
 2.7K OHM 10 PIN S.I.P.  
 4.7K OHM 8 PIN S.I.P.  
 4.7K OHM 10 PIN S.I.P.



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CROSS REFERENCE LIST

<u>QTY</u>	<u>DESIGNATION NO.</u>	<u>PART NOS.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>DESIGNATION NO.</u>	<u>PART NOS.</u>
1	C144	0986-00800-0300	1N4148	6	D101-D103, D105-D107	0986-00801-0200
2	C128, C129	0986-00800-2800	2N4403	1	Q104	0986-00802-0500
1	C142	0986-00800-1000	T1P110	3	Q101-Q103	0986-00802-0400
2	C161, C165	0986-00800-1300	74LS02	1	IC 6D	0986-00803-7400
12	C145-C156	0986-00800-1200	74LS04	1	IC 11C	0986-00803-6900
1	C139	0986-00800-2600	74S04	1	IC 12F	0986-00803-6600
47	CP2-CP12, CP14-CP19, CP21-CP27, CP29-CP33, CP35-CP46, CP48-CP51, C140, C173	0986-00800-2000	7406	1	IC 1A	0986-00803-7600
34	C104-C127, C143, C501-C509	0986-00800-1100	7407	1	IC 6C	0986-00803-5900
8	C134, C137, C157-C159, C162-C164	0986-00800-1400	74LS08	1	IC 13A	0986-00803-7300
15	CP20, CP34, CP52, CP53, CP202-CP204, C101-C103, C131, C138, C166, C167, C172	0986-00800-0700	7427	1	IC 13C	0986-00803-7200
4	CP1, CP13, CP47, CP54	0986-00800-2700	74LS32	1	IC 10B	0986-00803-6100
1	R164	0062-06383-1XXX	7474	1	IC 11F	0986-00803-6700
1	R239	0062-11083-1XXX	74126	1	IC 12E	0986-00803-6800
34	R108-R131, R162, R501-R509	0062-13383-1XXX	74LS138	4	IC7B, 8B, 12B, 13B	0986-00803-6500
1	R231	0062-14183-1XXX	74161	1	IC 11E	0986-00803-5100
2	R160, R161	0062-14483-1XXX	74166	1	IC 13D	0986-00803-5300
3	R153, R227, R401	0062-17983-1XXX	74LS174	1	IC 14B	0986-00803-7500
3	R157, R158, R163	0062-18383-1XXX	74190	1	IC 11D	0986-00803-9400
7	R301-R306, R510	0062-19983-1XXX	74LS191	6	IC3F-5F, 8F-10F	0986-00803-5600
1	R233	0062-20183-1XXX	74LS244	5	IC2B, 4B, 5B, 2E, 2F	0986-00803-4800
19	R101-R107, R165, R166, R225, R226, R228, R232, R234, R235, R402, R405-R407	0062-21183-1XXX	74LS245	1	IC 11A	0986-00803-6400
12	R173-R178, R197-R202	0062-21583-1XXX	74LS273	2	IC3A, 4A	0986-00803-4700
4	R146, R151, R155, R156	0062-22783-1XXX	74LS367	1	IC 14C	0986-00803-7000
6	R209-R211, R220-R222	0062-23383-1XXX	74LS374	1	IC 5A	0986-00803-4600
2	R179, R196	0062-24583-1XXX	74LS670	2	IC9B, 11B	0986-00803-6300
2	R213, R224	0062-24783-1XXX	AY-3-8910	2	IC6F, 7F	0986-00803-8500
15	R135, R203-R208, R214-R219, R403, R404	0062-25183-1XXX	LM3900	1	IC 3D	0986-00803-4900
2	R142, R148	0062-27583-1XXX	MC3403	2	IC10C, 10E	0986-00803-5000
2	R138, R141	0062-28783-1XXX	MC14016	3	IC7D-9D	0986-00803-6200
4	R144, R145, R149, R150	0062-31383-1XXX	MC14024	1	IC 12C	0986-00803-7100
2	R152, R154	0062-32383-1XXX	PROMSB2-A	1	IC 12D	0986-00803-8200
1	RM8	0986-00805-0800	RAM 1K X 8	1	IC 6A	0986-00803-8000
1	RM9	0986-00805-0600	ROM/EPROM 0	1	IC 7A	0A27-00803-0024
4	RM2-RM5	0986-00805-0500	ROM/EPROM 1	1	IC 8A	0A27-00803-0025
1	RM7	0986-00805-0400	ROM/EPROM 2	1	IC 9A	NOT USED
2	RM1, RM14	0986-00805-0300	ROM/EPROM 3	1	IC 10A	NOT USED
			Z-80(3880)	1	IC 12A	0986-00803-5500
			16 PIN IC SOCKET	1	ICS 12D	0986-00804-1400
			24 PIN IC SOCKET	5	ICS6A-ICS10A	0986-00804-1600
			40 PIN IC SOCKET	3	ICS12A, ICS6F, ICS7F	0986-00804-1500
			9 PIN KK 100 RT. ANGLE OMIT 4	1	J3	3000-16366-0901
			10 PIN KK 100 RT. ANGLE OMIT 8	1	J6	3000-16366-1001
			19 PIN KK 100 RT. ANGLE OMIT 14	1	J4	3000-16366-1901
			23 PIN KK 100 RT. ANGLE OMIT 19	1	J5	3000-16366-2301
			24 PIN KK 100 RT. ANGLE	2	J1, J2	0986-00804-4700
			JUMPER WIRE	2	JW1, JW2	0986-00804-4000
			YELLOW LED	1	LED 3	0986-00804-2000
			8 POSITION DIP SW.	1	SW3	0986-00805-0900
			10 POSITION DIP SW.	1	SW1	0986-00805-1000
			PB SWITCH	1	SW4	0986-00804-1700
			16 MHZ XTAL W/3RD LEAD	1	XTAL 1	0986-00805-1100
			SNAPS	3	MHQ101-MHQ103	0017-00007-0134
			SUPER SND. I/O BD.	1		A080-90913-6000

PROJECT ENG: C. MEDNICK		USED ON SPY HUNTER UR		Baby / MIDWAY MFG. CO. FRANKLIN PK ILL	
DO NOT SCALE DWG		HEAT TREAT	SCALE FULL		
DIM TOLERANCES UNLESS SPECIFIED		DRW. RLW	SUPER SOUND I/O BD. ASSEMBLY DWG.		PART NO
DATE 11-01-83		MAT'L	A084-90913-AA27		M051-00A27 - A011