ELECTRICAL MANUAL

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DEMOLITION DERBY 4 PLAYER

Bally

MIDWAY MFG. CO.

10601 W Belmont Avenue Franklin Park, Illinois 60131 U.S.A



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Phone (312) 451-9200 Cable Address MIDCO Telex No.: 72-1596

WARNING

THIS GAME MUST BE GROUNDED. FAILURE TO DO SO MAY RESULT IN DESTRUCTION TO ELECTRONIC COMPONENTS.

WARNING: This equipment generates uses, and can radiate radio frequency energy and it not and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a CLASS A computing device pursuant to SUBPART J of PART 15 of FCC RULES, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

ELECTRICAL BULLETIN: FOR ALL APPARATUS COVERED BY THE CANADIAN STANDARDS ASSOCIATION (CSA) STANDARD C22.2 NO. 1, WHICH EMPLOYS A SUPPLY CORD TERMINATED WITH A POLARIZED 2-PRONG ATTACHMENT PLUG.

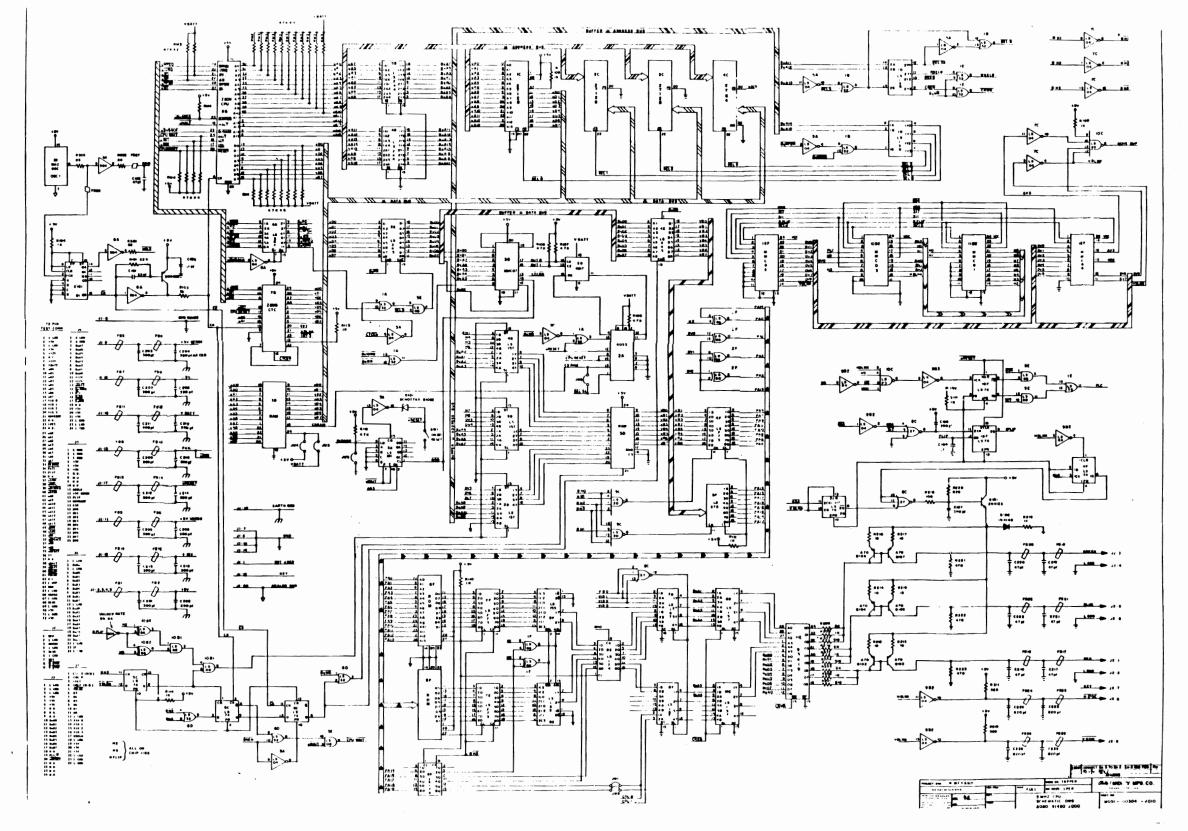
- CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.
- ATTENTION: POUR PREVENIR CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR. UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.



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	DESIGNATIO	N LIST	-			-		<u>C</u> F	DSS REFERENCE LIST			
DESIGNATION NO.	DESCRIPTION		065C#1PT10M	┍╾╼╾╩────┘	· · · · · · · · · · · · · · · · · · ·	DESCRIPTION	ATT DESIG	NATION NO. PART NOS.	DESCRIPTION	<u></u>	DESIGNATION NO.	PART NOS.
CP1-CP42	.01 MF AL. CER.	10.44	7415307		CP46 + CP65 +	35 PF 50V AX.	1 (101	0*86-0080		•	10 14,18,60,18	0986-00803-0600
CP43-CP65	10 MF 25V AL.	16 54	741 504 74504		[]- 	CER. 47 PF SOV AX.	7 C102,	C217-C222 0986-0080	741374	\$	IC SC, 6C, 10F, 11F IC 1101, 1F, 2F	0986-00803-1005 0986-00803-9900
CP66-CP69	470 MF 164 AR.	10 👬				CER. 300 PF SOV AX.	18 (105)	c107,c201- 0986-00800	7418139	;	1C 10 1C 86,8F	0304-00803-0042
C#70	ELECT. .01 OF AL. CER.	10 10	74LS32 4017		-#1- CP10 - CP1	CER. 820 PF 50V AT.	4 0223-		74L\$157	;	10 20,30,40,70,80	0986-00803-9700
C 101 (102	35 PF AX CER 47 PF AL. CER.	10 30 10 40,10 50	MMC 07 74L 5244			CER.	• • • • • • •		7415161	1	10E,9F	0986-00803-1003
C103 C104	.1 UF AS. CER. .1 UF AS. CER.	10 40	NV 844 1808 (TC	June 1118 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CP2	.01 MF 50V 201	43 CP1-0	P42,CP70 0986-00800		2	IC 6E,9E IC 40,50	0986-00803-9800 0986-00803-0800
c105	390 PF AL. CER. 390 PF AL. CER.	10 80	2800 j 745161			AR. CER. .1 RF SOV 201	2 (103,	C104 0986-00800	74L5245 -0200 74L5273	2	1C 38,48 1C 78,37,47,77	0986-00803-0900 0986-00803-1001
C107 C201-C216	390 Pf AL. (6#.	16 902	74L 504 74L 508		· · · · · · · · · · · · · · · · · · ·	AI. CER. 10 RF 25V 101	23 (P43-		741 5 367		1C 4A 1C 6A	0984-00803-2200 0986-00803-0400
C217-C222 C223-C226	47 PF AL. CER. 820 PF AL. CER.	10 1002	MAC 03		CP11 CP3	AR. TANT. 470 MF 16V AX.	4 (246-		745161	•	1C 901	0304-00803-0038
£101	82K ONN 1/48 58	10 1101 10 1182	741586 MMC01			ELECT.	• • • • • •	UV86-00800	-3300 93419		10 10,20,30,40,	0986-00803-9600 * SEL NOTE
.102	CRON. 39 DHR 1/48 52	10 10,10 20, 10 30,10 40	EPROM	CP63 + CP58 + CP23 CP60 +	CP12 CP43	10 OHR 1/48 52 CRON-	6 8212-	#217 KOOE - 00001		,	57,67 10 1102	0986-00803-8900
	CRON. 1K OHR 1/48 52	10 SC, 10 40	741574 741504		••••	39 0HR 1/48 51 CRIN	1 #102	100 E - 0000	002* 002	;	1C 13/ 1C 1082	0986-00803-9000 0986-00803-9100
#104,#105	(10 80	7427			68 0HM 1/4 W 1% CRBN 82 0HM 1/4 W 1% CRBN	2 R 302		002'-			0986-00804-3200 0304-00803-0079
#106-#108	4,7K DHA 1/4U SI CRON.	10 \$0,10 100	741520			100 ONN 1/48 51	.1 8219		003: 648		10 50	0986-00803-1008
#109-#114	1E ONR 1/40 58 Crom.	10 10	74L5139 74L5157		CP13	470 BHR 1/48 SI	3 #221-	0000 · 300i	-005 2408 CTC		10 80	0304-00803-0041 0304-00803-0040
e115	4.78 ONA 1/40 51 CROM.	10 40,10 70			[CROM. 510 ONM 1/48 51	3 #201,	R204, R207 100E - 0000	-0053 FERRITE BEAR	20	IC 12F F81-F828	0304-00803-9200 0316-00804-0002
£201	510 OHR 1/48 53	10 50	RAN 741532		=	CRON. 560 ONB 1/48 51	2 8210,	#211 IOOE-0000			165 1374,	0986-00804-3600
.202	18 BHR 1/48 52				CP14 P110 CP14 CP5	CRON. 820 0HR 1/4w ST	1 #220				1CS 1102A 1CS 13FD,	0986-00804-3700
#203	CRON. 21 orm 1/40 51	10 10 10 36,10 46	741832 7415245			CRON. 18 OHN 1/48 51					1CS :1020 1CS :5,1CS 1082,	0986-00804-3800
.204	CRBN. 510 onn 1/40 51	1C SE 1C 6E,1C 9E	74L508 74L5174		,	CODN.	#114,	#202,#205,			105 27	
#205	CRBN. 16 OMR 1/48 53	1C 76 1C 86	74L5273 • 74L5155	R 100	CP47 + CP6	28 OHR 1/48 51	8208, 3 8203,	#218 #206,#209 IDOE-0000	-0068 28 PIN 81P 1	OCKET B	1CS 40,1CS 50 1CS 10,1CS 10-4C,	0986-00804-3400 0986-00804-3900
£206	CRON. 2K OHR 1/4W 51	IC 10E IC 11E	74L5157 03419		l ^a l	CODM. 4.78 ONM 1/48 51	4 #104-	#108,#115 IOOE - 0000	-0079		1CS 11E,1CS 5F, 1CS 6F	
	CRON. 510 ONR 1/4w 51	16 16,16 26	741586			CRBN. 82x 0HR 1/48 51	1 #101	100E - 0000	40 PIN 91P 1	OCEET 1	103 80	0986-00804-3500
.207	CRON.	10 36,10 46,	7415273		CP 16	(FRD. 8081 0817 3	00C 1	12	3000-16366-0902
#208	1K OHR 1/48 53 Cron.	10 77	SPROM			4.7K OHM 9 PIN	1 881	102 E · 0000		56C 1	11	3000-16400 2001
£209	2x ONN 1/60 58 Caun.	1C 87 1C 9F	7415153 7415157			51P. 4.78.008 8 Pin	2 882,8	N3 102E-0000		5	J3 - J7	0986-00804-4700
#210,#211	560 ONR 1/68 58 CRON.	10 107,10 117 10 127	741374 MHC06		CP10 CP44 + CP10 CP44 + C100 C104	\$1P. 4.7K ONR 6 PIN	1 854	102 E - 00004	- 0027 FLEX PACE JU	PERS 5		0986 - 00804- 4800
8212-8217	10 ONR 1/48 51	AC 130	MAC 02		5 <u>C 106</u>	\$10.			JUNPESS	4	JW1-JW6	0+86-00804-4000
.218	18 OHR 1/48 52	##1-F#28	FERRITE DEAD	crea ,		105817	1 0101	103E - 00003 103E - 0000		SW. 1	8W1 .	0986-00804-3100
`#21 9	100 OMR 1/48 53	1C5 13FA,	8 PIN BIP SOCKET			284123 A 70	1 0101	104 E - 0000	-0007	. 1		A080-91490-J000
.220	CRON. 820 OHR 1/40 58	1C5 1102A 1C5 13F0,	16 PIN BIP SOCKET	CP16 + CP22	CP46 + 1112	284403	1 .100	104 E - 0000				
#221-#223	470 0HR 1/4¥ 58	ICS 11020 ICS 30,ICS 1002,	20 PIN DIP SOCKET			20 RHZ + 0.15	1 05c1	0304-00804	0007			
R Sci	CRON. 62 OHM 1/4W 5% CRPN	1C5 128 1C5 40,50	24 PIN DIP SOCKET		· · · · · · · · · · · · · · · · · · ·	. SCILLATOR						
R 302, R 303	6P 0HM 1/4W 5% (PRN 4.7E 0HR 9 PIN	165 70,165 10-40, 165 118,165 5F,	28 PIN DIP SOCKET		CP17	4017	1 10 20	0986-00803	8700 94018 MEE			
	\$10	105 67				74L504 74L508		2,70,54 0986-00803	1007			
em2, em3	4.7K ONA 8 PIN SIP	103 80	40 PIN SIP SOCKET			74L820	2 10 90	,100 0986-00803	1004			
***	4.7E OMR 6 PIN Sip	41	20 PIN .156C Conn. 0811 15			7427	1 10.00	0304-00803	0044		I	
B101	185817	42	9 PIN .100C Conn. 0817 3									TO 24 2. 24 5 WAS TIED RW
1 02	184148	J3-J7	HEADER		cris +						TO +5V REV	J
e101 e102-e107	284123 A 70	•	FLER PACE JUNH									NE VISIONS
6108	284403	JW1-JW6	JURPERS		2 ° ° ° • • • •			PROJECT LINE R. PLOUSS	RD Inc me			MIDWAY MFG. CO.
05(1	20 MM2 + 0.18 OSCILLATOR	501	PUSH BUTTON SU.		;; L			to work a rote				17 10
10 14	741 \$32	A080-91490-2000	5 MHZ 6PU 88.			L		- <u>P</u>		ASSEMBLY DRAWING	-	17 40 1051 - 00304 - J009
1C 2A 1C 3A	4053 741 5161							10/		8 MHZ CPU 4082 - 91490 - J00		001 - 00304 - 0005

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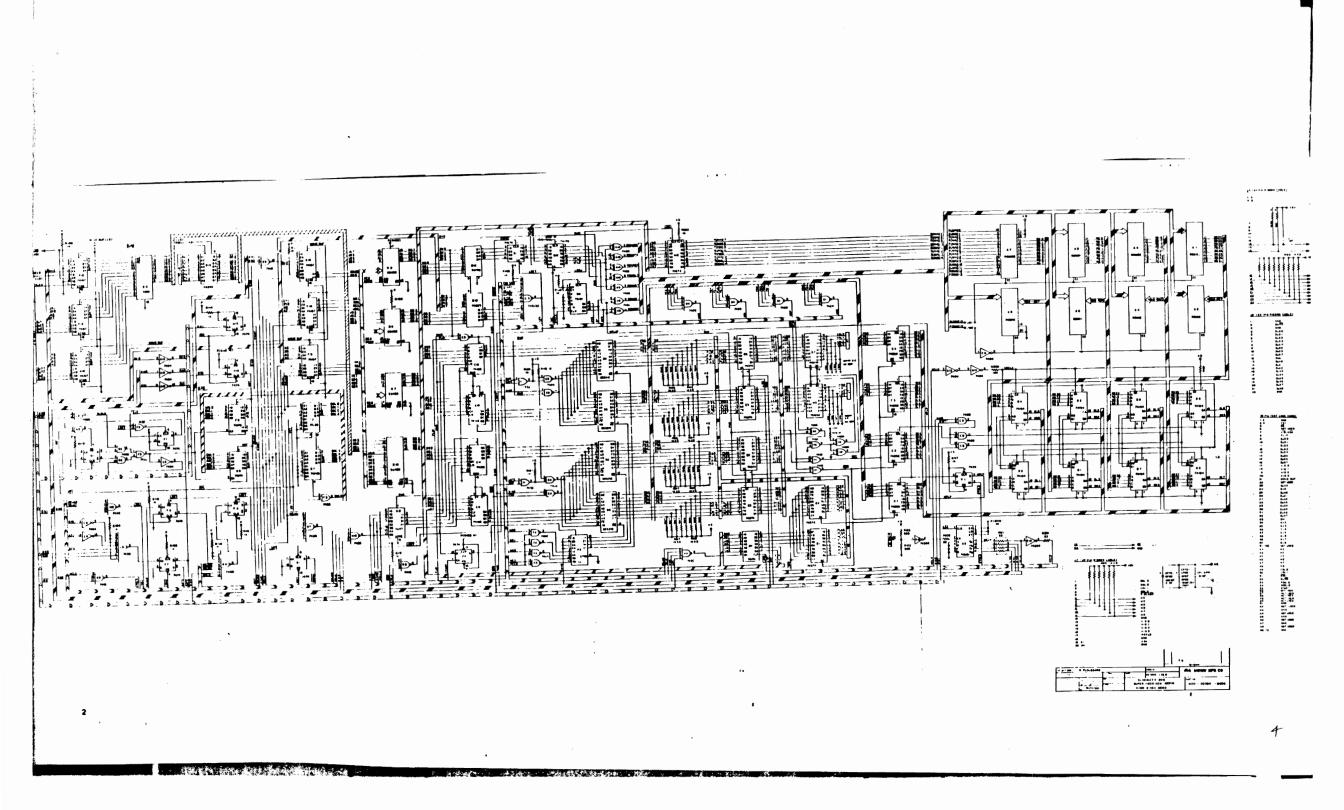
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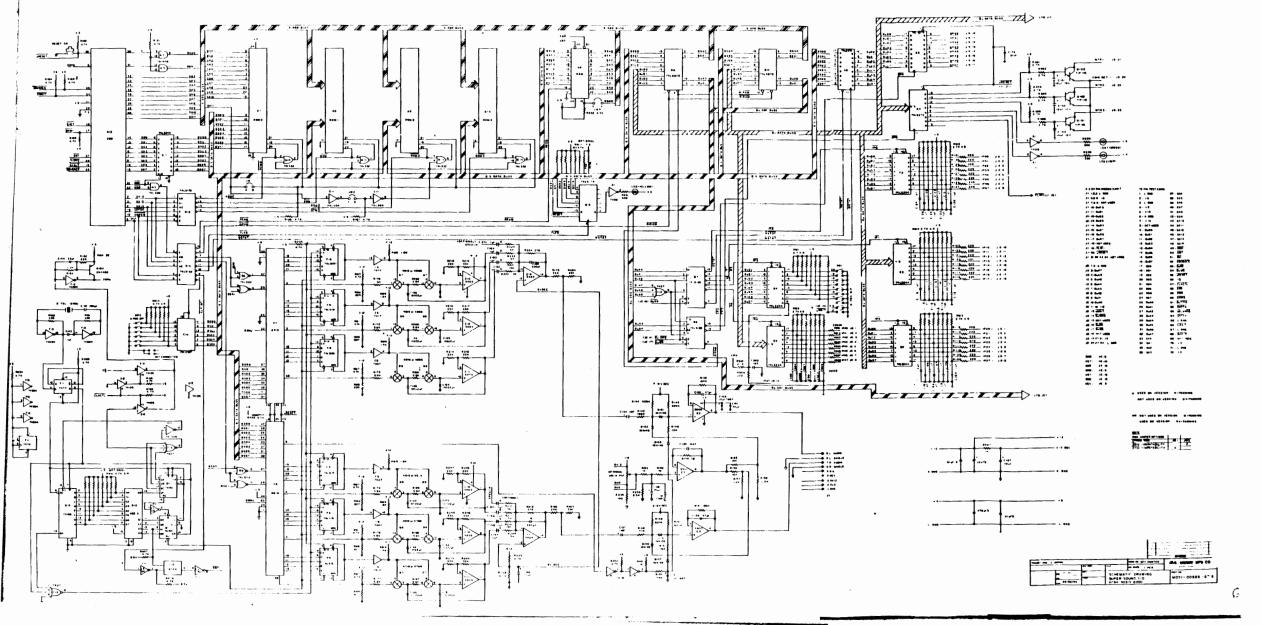
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DESIGNATION LIST CROSS REFERENCE LIST DESIGNATION NO. PART 808. DESCRIPTION DESCRIPTION <u>011</u> DESIGNATION DESIGNATION DESCRIPTION C301-C308 C101,CP1-CP71, CP89,CP90,CP91 CP73-CP85,CP87, 0986-00800 1000 7420 95479 93479 93479 93479 93479 93422 93422 93422 93422 93422 STAT. RAM 74LS245 .01 NF AX CER 100 PF AX CER .01 NF AX CER -100 NF AX ELECT. 10 NF 25V AX TANT. CAP 100 PF CAP .01 PF 8 75 C 101 1C 1D IC 2D IC 3D IC 4D IC 50 IC 6D IC 70 IC 70 IC 70 IC 70 IC 10D IC 120 IC 130 C101 C301-C308 CP1-CP71 CP72,CP86 CP73-CP85,CP87, CP88 CP89,CP90,CF91 CAP 10HF 15 0986-00800-2400 CP88 CP72,CP86 0986-00800-1800 ŧ CAP 100RF 2 1 Î T E A آن .DIMF AX. CER. 82 OHM 1/4 W RES. 100 OHM 1/4 W RES. IONE - 00005-003 R201, Heur : • R101-R111,R113-R121 R122,R123 R200 S201 9202 R203 R200 R101-R111,R113-R121,R203 R122,R123 100E - 00005 - 0033 100E - 00005 - 0061 1K OHR 1/4W 1K OHM 1/4 W RES. 21 560 0HR 174W 100 0HM 174W 92 0HM 174W 1K 0HM 174W 100E -00005-005 560 OHM 1/48 RES. 2 1C 1E 1C 2E 1C 2E 1C 2E 1C 3E 74L5374 74L5374 74L5374 74L5374 74L5374 74L5374 74L5374 74L5161 745161 745161 745161 745157 74L5157 74L5157 74L5157 74L5308 74L5308 74L5307 74L53157 74L53157 74L53157 74L53157 74L53157 74L53157 74L53157 74L53157 A PIN SIP 62 OHM 9 PIN SIP 1K OHM 10 PIN SIP 1K OHM 102E - 00004-0035 102E - 00004-0011 102E - 00004-0013 RM1 884-887 882,883 B2 OHM B PIN SIP 1K 10 PIN SIP 1K 10 PIN SIP 1K 9 PIN SIP 1K 9 PIN SIP 1K 9 PIN SIP 1K 9 PIN SIP RM1 RM 2 RM 3 RM 4 RM 5 RM 5 RM 7 4F 55 9E 13A,10E 6C 36 96 10,40,11H,12H 8C,46,56 5F,1M 7C,1F,2F,1G,13H 2H 034-0363-0047 034-0363-0010 034-0863-0011 034-0863-0011 034-0863-0017 034-0863-0017 034-0863-0017 034-0863-0017 034-0863-0017 034-0863-0017 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-0027 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-0863-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-085 034-743C0 74LS00 74S04 74S08 74LS04 74LS08 74LS10 74LS10 74LS30 74LS32 74LS74 74S86 74LS86 74LS86 74LS85 74LS135 EPROM EPROM EPROM EPROM EPROM EPROM EPROM 741586 741586 7415174 7415273 74504 IC 1A IC 2A IC 3A IC 4A IC 5A IC 5A IC 6A IC 7A IC 8A IC 104 IC 104 IC 12A IC 13A 1 | 1 1 2 $\begin{array}{c} 0.304 - 00803 - 0038\\ 0.304 - 00803 - 0022\\ 0.304 - 00803 - 0023\\ 0.304 - 00803 - 0024\\ 0.304 - 00803 - 0024\\ 0.304 - 00803 - 0026\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 00803 - 0050\\ 0.304 - 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0080\\ 0.304 - 0080\\ 0.304 - 0080\\ 0.304 - 0080\\ 0.304 - 0080\\ 0.304 - 0080\\ 0.304 - 0080\\ 0.304 - 0080\\ 0.304 - 0080\\$ łŝ D 74L5194 74L5194 74L5194 74L5194 74L5194 74L5194 74L5194 74L5194 74L5194 74L5174 74L5174 1C 18 1C 28 1C 38 1C 48 1C 58 1C 68 1C 78 1C 88 1C 98 1C 108 1C 118 1C 128 $\begin{array}{c} 0.04 & 0.0403-0.050 \\ 0.304-0.0803-0.027 \\ 0.304-0.0803-0.029 \\ 0.304-0.0803-0.039 \\ 0.304-0.0803-0.030 \\ 0.304-0.0803-0.031 \\ 0.304-0.0803-0.031 \\ 0.304-0.0803-0.033 \\ 0.304-0.0803-0.033 \\ 0.304-0.0803-0.034 \\ \end{array}$ [] |3 , si € E E 102 H IC 1H IC 2H IC 3H IC 11H IC 12H IC 13H 74LS32 74586 74LS240 7420 7420 7420 74LS74 0986-00804-0300 0986-00804-0700 10 10 10 20 10 30 10 40 10 50 10 50 10 70 10 80 10 70 10 100 10 100 10 100 10 100 10 100 10 100 10 100 10 100 10 20 10 30 10 40 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 10 70 1 7415258 7415258 7415258 7415258 7415258 7415258 7415258 7415258 741528 741530 741530 741530 741530 741530 741530 741530 ţ 1.55 28 PIN SOCKET 22 PIN SOCKET 24 PIN SOCKET F 10514-10584 24 PIN SOCKET 0986-00804-1600 ICS 02,03,05-010 ICS 012 24 5 KK100 RT. ANGLE 24 PIN CONN **J**5, J6, J7 0986-00804-4700 KK100 RT ANG'E 24 PIN CONN. 4 2 3 J5, J6, J7 9 7 13 +C#7 10 € TG TG JUMPER WIRE ∏ ‡₿ JU1, JU2 Π 0986-00805 8200 J# 1, J#2 JUMPER WIRE 1 G MCR 111 SUPER VIDEO GEN. A082-91464- 000 MCR III SUPER VIDEO GEN. A082-91464- 000 5 C 1983 BALLY MIDWAY MEG CO 11 ALL RIGHTS RESERVED ł PATENT 4308189 71 PROJECT CHG R PLOUSSARD SED ON Rat MIDWAY MEG. CO. (*** N ** . . . FULL NO REOD IPER 750 SUPER VIDEO GEN MCR III RT NO ASSY DWG A082 - 91464 - M000 M051 - 00304 - MOO 01/11/84 5



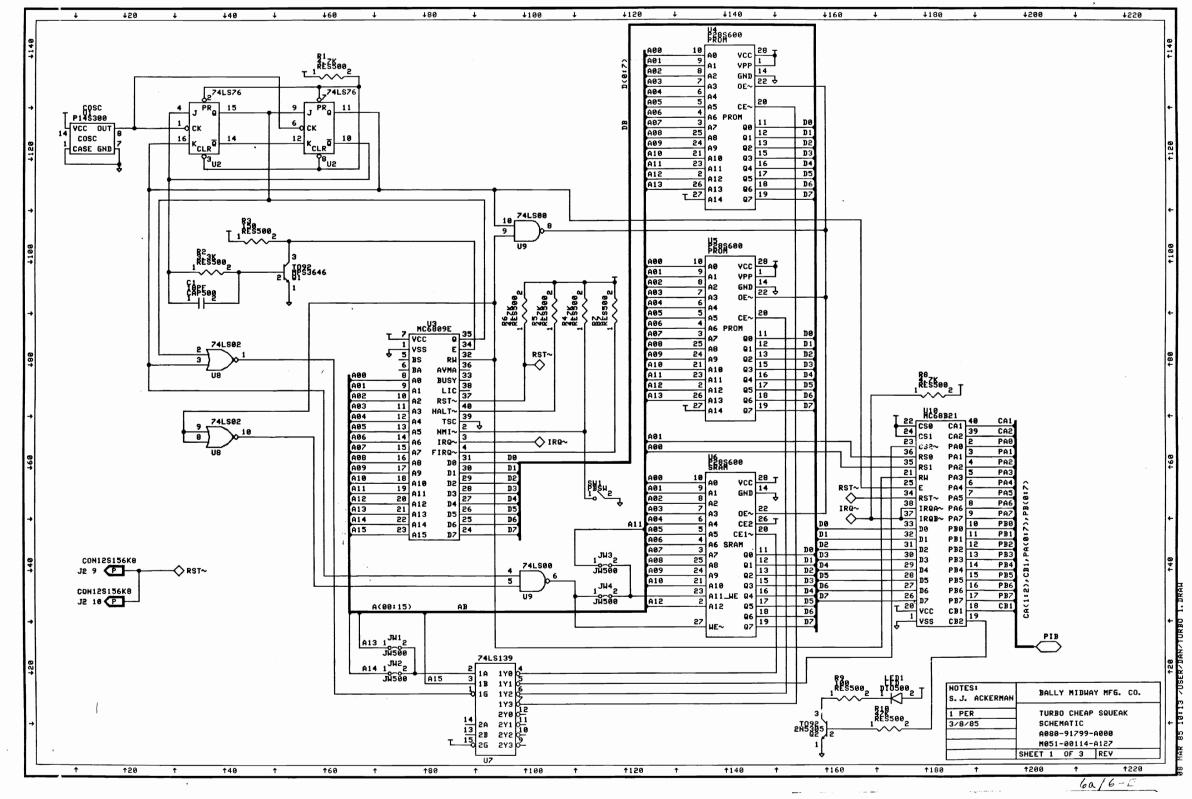
DESIGNATION LIST

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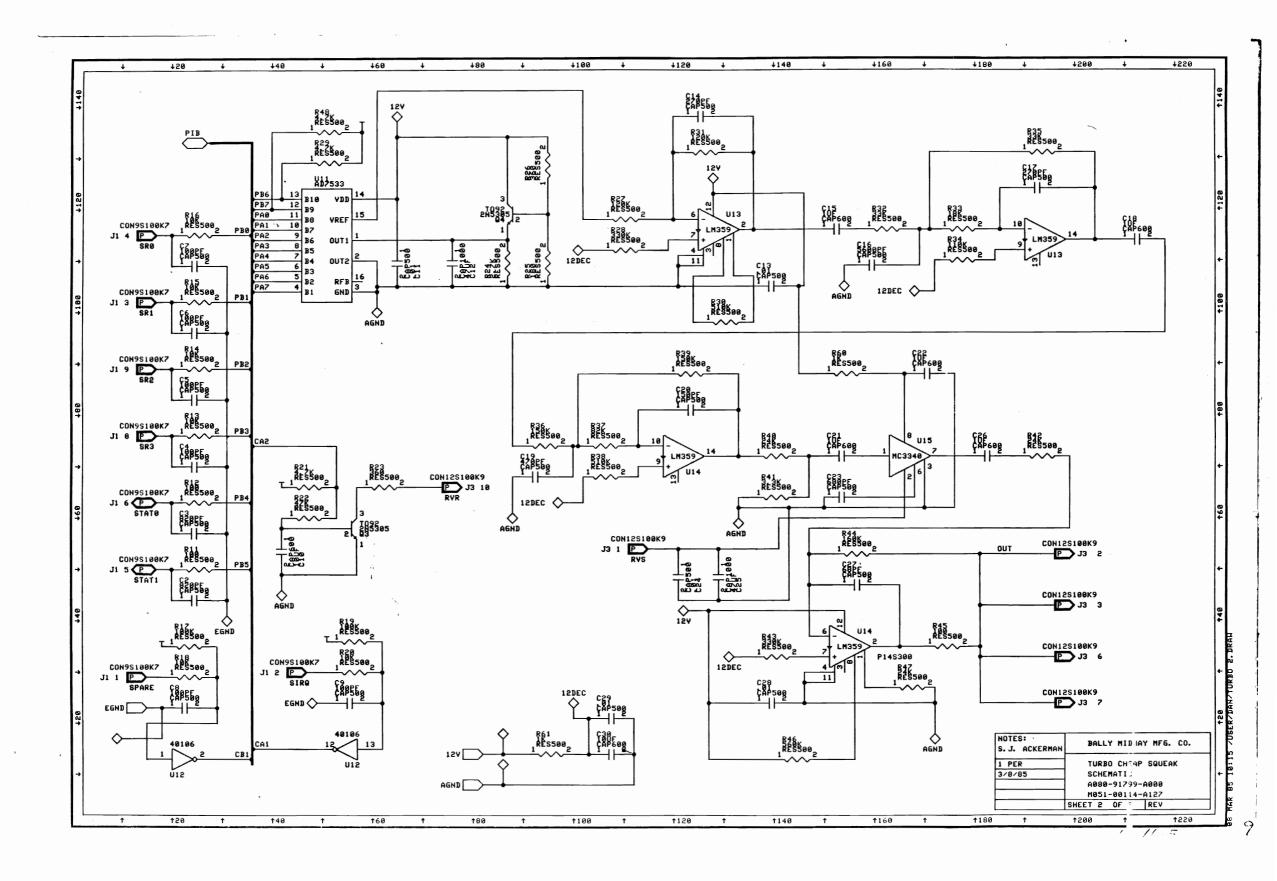
DESIGNATION NO.	DESCRIPTION	SESIENATION NO.	DESCRIPTION	DESIGNATION NO.	SESCOLPTION
c101-C103	10 MF 25V AX. TANT.	#152	1NEG. ONN 1/40 53 CRON.	0101-0103 0105-0107	184148 184148
C104-C127	.1 MF SOV AX. CER.	#153	1K OHR 1/48 52	e101-e103	110110
c128, C129	47 PF 50V AL. CER. 10 RF 25V AL.	#154	INEG. ONN 1/40 58	6104	284403
(13)	TANT.			1614	7406
C134-C137	1 MF 20V AX. TANT. 10 MF 25V AX.	#155,#156	10K OHR 1/4W 58 CROM.	1034,48	741 \$273
C138	10 MF 254 AL.	#157,#158	1.2K ONR 1/4W 58	1654	741 \$374
. 6139	.047 MF 100V		CROM. 330 ONN 1/4w 58	1C6A. 1C7A	TE I & CAR Rom/Epron D
c140	NYLAR .01 MF 50 - AK.			1084	BOM/EPRON 1
	(i.e.	8162	220 OHR 1/48 SE	1C9A 1C10A	BOR/EPRON 2
c142	100 PF SC / AN.	#1#3	1.2K ONR 1/4W 5%	10.18	7415245
c143	.1 MF SOU AR. CER.		CRON. 22 OHR 1/4W 58	1C12A 1C13A	2-80 CPU 741308
C144 C145-C150	33 PF 50% AL. CER.	8164	CRON.	1628,48,58	741 5244
	MTLAR .	8145,8144	4.7K OHR 1/4# 5%	1078,80	74L\$138 74L\$470
c157-c159	5 MF 20V 51. TANT. 330 PF 5: / Al.	#173-#178	CROM. 5.46 OHM 1/48 SE	10100	741832
C161	(t	•	C	· 10110	7418670
(162-0164	1 RF 20V AL. TANT.	8179	24K OHM 1/48 53 Cade.	10140	74L\$138 74L\$174
C165	330 PF 5CV AR.	81.76	24K BHR 1/48 52	1646	7407
C166,C167	10 MF 25' AL.			10100	RC 3403 74: 804
	TANT. 10 MF 25" AX.	*197-#202	5.6E ONR 1/4# 58 CRON.	16126	MC 14024
c172	10 MF 25' AL. TANT.	# 203-# 208	33K OHR 1/48 58	16136	7427
c173	.01 MF SEV AR.			10140	74L5367 L#3900
c501-c509	CER. .1 NF SOV AN. CER.	8209-8211	13x 0HR 1/48 52 Cron.	1040	741102
		#213	27K BHR 1/48 58	1070-90	RC14016
CP1	470 MF 160 AN. ELECT.	#214-#219	CODN. 33x OHM 1/40 52	10120	PROMSBZA
CP2-CP12	.01 MF SOV AN.			16130	74144
	CI	#550-#355	13K ANN 1/44 58 CROM.	1C2E 1C10E	74L5244 MC3403
(#13	470 MF 1.9 AX.	8224	27K ONR 1/48 58	10116	74141
CP14-CP19	.01 MF 50V AL.		C	10126	- 74126 7418244
CP20	CER. 10 MF 254 AX.	n225,8226	4.7K DHR 1/4W 58 -	1631-51	74L\$191
	TANT.	8227	1E ONR 1/4W 5E	1647,77	47-3-8910 7415191
(#21-C#27	.01 MF SOV AX.	.228	CRON. 4.7K ONB 1/48 51	10110	7474
CP29-CP33	CER. .01 MF SOV AX.	• * * *	CRON.	16127	74504
	C24.	#231	300 0HR 1/48 52 Can.	1 CS6A-16810A 16812A	24 PIN IC SOCKET
CP34	10 #F 25¥ A1.	1232	CONR. 4.7K ONR 1/4w 51	103120	14 PIN IC BOCKET
CP35-CP46	.01 MF SQV AX.		C	10547,77	40 PIN IC SOCKET
(#47	CER. 470 MF 149 AL.	#233	SK ONR 1/4w SE CRAN.	31,32	24 PIA KE108 81.
LPAT	ELECT.	#234,#235	4.7K OHR 1/44 58	-	ANGLE' 9 PIN EK100 RT.
CP48-CP51	.01 MF 50V AL.	#239	CODA. 100 0HP 1/40 51	13	ANGLE ORIT 4
CP52,CP53	CEA. 10 MF 25V AX.		CADR.	34	19 PIN KK108 8T.
(*)2,(*))	TANT.	8301-8306	2.7E BHR 1/48 51	15	ANGLE ONIT 1%
CP54	470 MP 16V AI.	8401	CRON. 18 0HR 1/40 53		ANGLE ONIT 19
CP202-CP204	ELECT. 10 NF 25V AL.			J 6	10 PIN KE100 NT. Angle onit 8
	TANT.	8482	4,7E OHR 1/48 58		
.101107	4.7K OHR 1/4W 51	#403,#404	33x OHM 1/48 58	3W1, JW2	JUMPER WIRE
	4.7K ONA 1748 31 CRON.	#485-#407	CRON. 4.7K OHN 1/40 51	LED 3	TELLOW LED
#108-#131	220 OHR 1/48 58	8483-840/	4./E DHR 1/40 31 (800.		
#135	CRON. 336 ONN 1/48 SI	#501-#509	- 220 OHR 1/48 58	501	10 POSITION OIP B POSITION DIP
	(***	4510	CRON. 2.7K ONN 1/44 51	5 8 5	PUSNOUTION S.W.
#138,#141	180K OHR 1/48 58		C#08.		
#142	100K ONN 1/48 58		4.7K OHR 10 PIN	ATAL 1	16 MH2 STAL
8144,8145	CREN. AZOK ONB 1/4w ST		\$.1.P.	RHe101-RHe103	SHAP
	620x ONN 1748 58 (RDN.	enz-ens	2.7E OHR 10 PIN	ADE0-90913-6000	SUPER SND. 1/4 DD.
8146	10K OHM 1/4W 58	887	5.1.P. 4.7% ONN 8 PIN	*040-40413-6000	
8148	CODR. ONN 1/44 51		8.1.7.		
	CADN.	e#5	820 OHN 8 PIN 5.1.P.		
#149,#150	620x 0HR 1/4w 51 CRON.	***	1.8x OHR 10 PIN		
#151	10K OHM 1/4W 51		5.1.P. 4.78 OHR 10 PIN		
,	ceen.		\$.1.P.		

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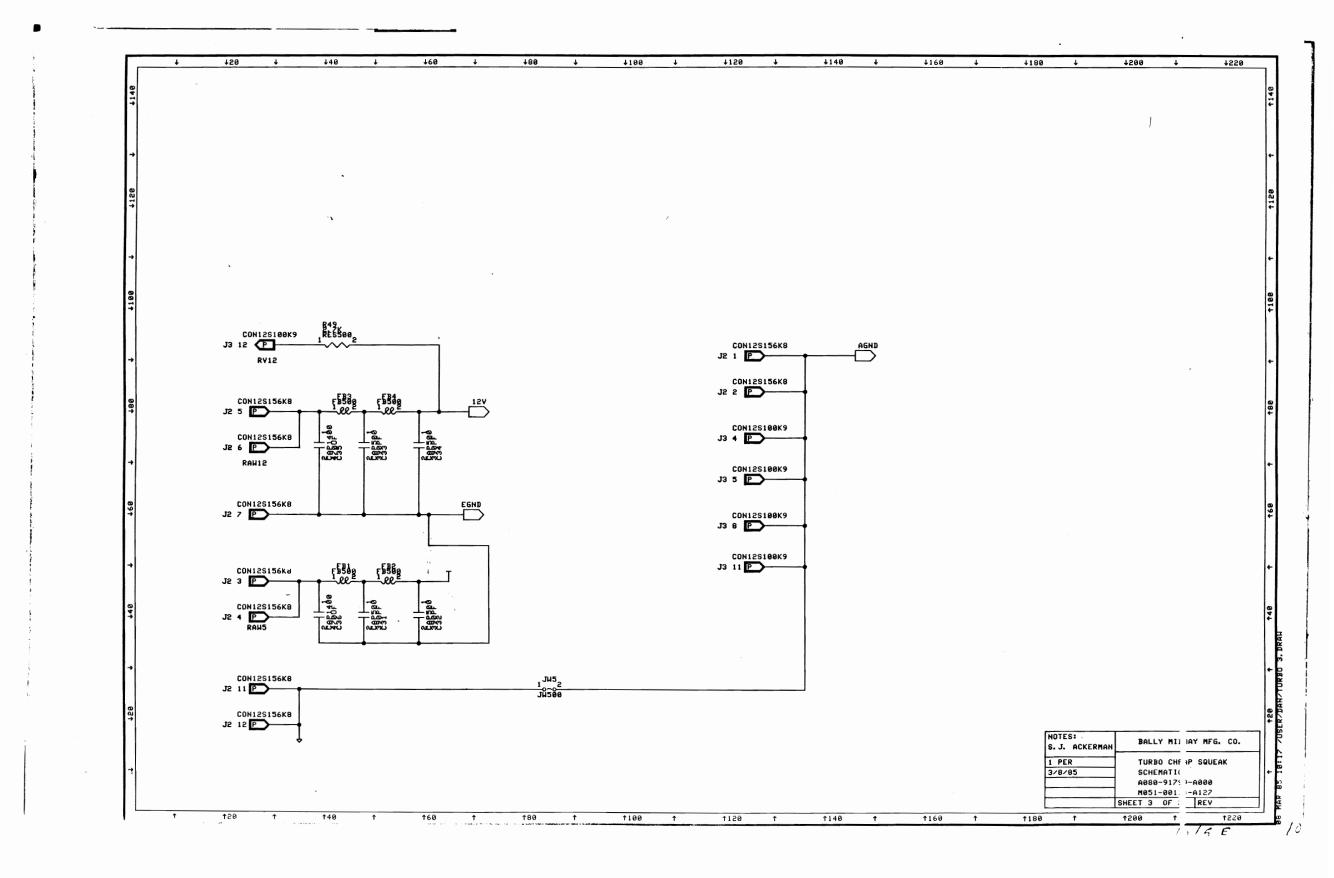
		CROS	S REFERENCE LIST				
ESCALPTION		DESIGNATION NO.	PART NOS.	DESCRIPTION	•11	DESIGNATION NO.	
33 PF 50V 51 AI.	,	C144	0786-00800-0300	184148	٠	\$101-\$103,\$105- \$107	
CER. N7 PF SOV AN.	2	C128,C129	0986-00800-2800	284403	1	0104	
100 PF 50V 51 A1.	. 1	C142	0984-00800-1000	110110	3	e101-e103	
CER. 330 PF SOV AI.	2	C161,C165	8786-00840-1300	741 502 741 504	;	1C 60 1C 11C 1C 12F	
CER. .0022 RF 100V 10	12	C145-C156	0984-008800-1200	74504	1	10 127	
047 RF 100V	1	C139	0784-00800-2400	7407	1	10 40	
OT ME SON AN.	47	CP2-CP12,CP14-	0984-00800-2000	74L\$08 7427	:	1C 13A 1C 13C	
		CP19, CP21-CP27, CP29-CP33, CP35-		741 832 7474		10 100	
		CP44,CP48-CP31, C140,C173		74126 7415138	i	1C 126 1C70,80,120,	
1 MF 50V AX. CE		c104-c127, c143,	0*86-00800-1100	74141		130	
MF 20V AX. TAN		C134, C137, C\S7- C139, C162-C164	6784-06800-1400	74166	i.	16 130	
O RF 25V AX.	15	CP20, CP34, CP52, CP53, CP202-CP204	0984-00800-0700	7415174 74190	i .	10 110	
		C101-C103, C131, C138, C146, C167,		7418191	•	107-37,87-	
70 MF 16V AI.		C178,C140,C107, C172 CP1,CP13,CP47,	0084-00800-2700	74L8244	\$	1628,48,58	
170 MF 16V AI. ELECT.	•	CP1,CP13,CP47, CP54	0700-01000-0100	74L\$245 74L\$275	;	1C 11A 1C34,44	
2 OMR 1/44 58	1	8164	0042-04303-1111	74L5367 74L5374	1	10 140 10 54	
	,		0062-11083-1111	7415470 AT-3-8910	2	1090,110	
20 GHR 1/4W 51	34	A108-A131, 8162,	0042-13383-1888	L#3900	1	10 30	
	1	#501-#507 #231	0062-14183-1111	MC 3403 MC 1401#	2	10100,106	
400. 30 008 1/48 58	2	#160,#161	0042-14483-1888	NC 14024 PROMS82-A	i	16 126	
	3	#153,#227,#J 0 1	0062-17983-1###	BAN 1E 3 B BOR/EPBOR 0	i	1C &A 1C 7A	
.24 BHR 1/48 53	3	8157,8158,8163	8042-18383-1222	ROM/EPROM 1	i		
		#301-#304,#\$10	8062-19983-1888	BOR/EPROM 3		1C 10A	
		1233	0042-20103-1×××	2-80(3880)	•	10 124	
.7K OHR 1/48 51		.101107,.145,	0042-21183-1888	16 PIN 1C BOCKET 24 PIN 1C BOCKET 40 PIN 1C BOCKET	3	1CSAA-1C810A	
		#144,#225,#224, #228,#232,#234,		40 PIN IC BOCKET	3	1C\$124,1C\$4F, 1C\$7F	
		#235,#402,#465- #407		O PIN KK 100 BT. Angle omit 4	1	13	
. 4K OHR 1/4W 51	12	#173-#178,#197-	0042-21503-1XXX	10 PIN KK 100 BT.	•		
10K ONA 1/4W 53	4	8144,8151,8155, 8154	0042-2270 3-1XXX	ANGLE ORIT & 19 PIN KK 100 RT.		14	
I 3K ONA 1/48 58	٠	#209-#211,#220- #222	0062-23383-1XXX	ANGLE ONIT 14		45	
24K OHR 1/4W 53	2	#179,#196	0042-24583-1XXX	ANGLE ORIT 19 24 PIN KK 100 NT.	2	41.42	
CRON. 27K OHR 1/44 52	2	8213,8224	8842-24783-1XXX	ANGLE	•		
CRON. 33K ONN 1/4W 58	15	.135,8283-8208,	0042-25103-1XXX	JUMPER WIRE	2	2WL, 1WL	
c#e#.		#214-#219,#403, #404	0042-27503-1111	YELLOW LED	۱	LED 3	
100K OHR 1/48 51 (884.		8142,8148	0042-27583-1111	8 POSITION DIP SW. 10 POSITION DIP	1	5 W 3 5 W 1	
80K OHN 1/48 51	-	#138,8141		SW.	;	544	
204 BHR 1/48 51		#144,#145,#149, #150	0042-31383-1#88	P8 SWITCH		SUA ATAL 1	
1 MES. ONM 1/48	2	#152,#154	0062-32383-1XXX	16 RHZ XTAL W/38D LEAD	,		
	1	***	0+84-00805-0800	SHAPS	3	RH#101-RH#103	
1.1.P. 1.8K ONA 10 PIN	1		0784-00805-0400	SUPER SND. 1/0 88.	•		
5.1.P. 2.7K OHR 10 PIE	•	##2-##5	0984-00805-0500				
		487	0+84-00805-0400				
6.7K OHN 8 PIN 5.1.P. 6.7K DHN 10 PIN	2	881,8814	0986-00803-0300				
6.7K DHR 10 PIN 5.1.P.							-
PR0.		MEDNICK	10.04	UNED ON SPY HUNTER UR		MIDWAY MFG. CO.	
			FULL	NO MEND I PER			-
		- KLW	SUPER SOUN	10 1/0 BD.	PART	0 1 - 00427 - 4011	
		11 01/03	A084 - 80913		1 =00		

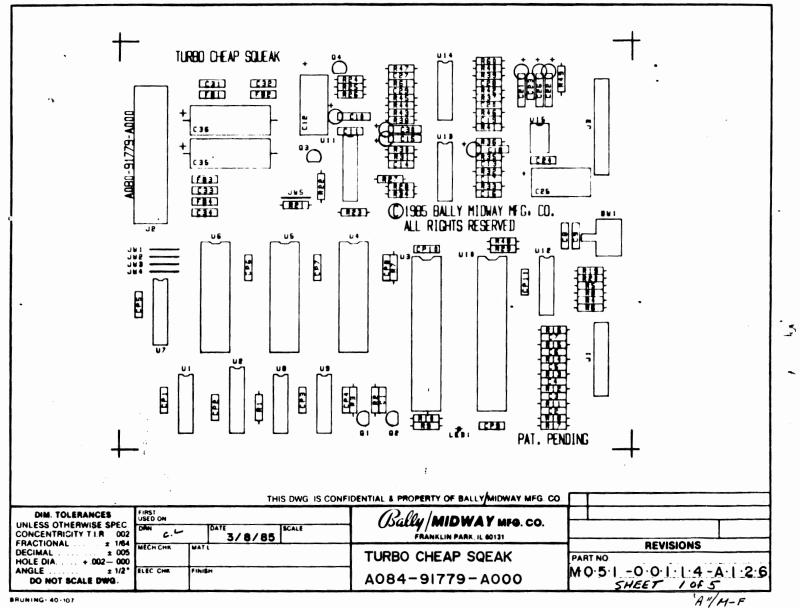


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M051-00114-A126 TURBO CHEAP SOUEAK A084-91779-A000

DESIGNATION LIST

DESIGNATION	DESCRIPTION	DESIGNATION	DESCRIPTION
CP1-CP11	.01MF AX. CR.	072	77K 0114 1/44 Ed
C1	18PF AX. CR.	R32	33K OHM 1/4W 5%
C2-C3	820PF AX. CR.	R33	18K OHM 1/4W 5%
C4-C9	100PF AX. CR.	R34 R35	110K OHM 1/4W 5% 33K OHM 1/4W 5%
C10	10MF RD TANT		
C11	.01MF AX. CR.	R36	150K OHM 1/4W 5%
C12	47MF AX. ELECT.	R37	82K OHM 1/4W 5%
C13	.01MF AX. CR.	R38	510K OHM 1/4W 5%
C14	270PF AX. CR.	R39	150K OHM 1/4W 5%
C15	IMF RD TANT	R40	24K OHM 1/4W 5%
C16	.0056MF AX. CR.	R41	3.3K OHM 1/4W 5%
C17	270PF AX. CR.	R42	24K OHM 1/4W 5%
C18	1MF RD TANT	R43	330K OHM 1/4W 5%
C19	470PF AX. CR.	R44	160K OHM 1/4W 5%
C20	150PF AX. CR.	R45 .	100 OHM 1/4W 5%
C21-C22	1MF RD TANT	R46	560K OHM 1/4W 5%
C23	680PF AX. CR.	R47	24K OHM 1/4W 5%
C24	.01MF AX. CR.	R48	4.7K OHM 1/4W 5%
C25	47MF AX. ELECT.	R49	2.7K OHM 1/4W 5%
C26	1MF RD TANT	R60	1K OHM 1/4W 5%
C27	68PF AX. CR.	R61	1K OHM 1/4W 5%
C28-C29	.01MF AX. CR.		
C30	10MF RD TANT	01	MP\$3646
C31-C34	390PF AX. CR.	02-04	2N5305
C35-C36	470MF AX. ELECT.		
		U1	C1K OSC
R1	4.7K OHM 1/4W 5%	U2	74LS76
R2	3.3K OHM 1/4W 5%	U3	68B09E
R3	150 OHM 1/4W 5%	U4	EPROM/ROM
R 4- R8	4.7K OHM 1/4W 5%	U5	EPROM/ROM
R9	100 OHM 1/4W 5%	U6 ·	2K X 8 RAM
R10	47K OHM 1/4W 5%	U7 [`]	74LS139
R11-R12	100 OHM 1/4W 5%	U8	74LS02
R13-R16	10K OHM 1/4W 5%	U9 ï	74LS00
R17	100K OHM 1/4W 5%	U10	68821
R18	10K OHM 1/4W 5%	U11	AD7533
R19	100K OHM 1/4W 5%	U12	40106
R20	10K OHM 1/4W 5%	U13	LM359 -
R21	4.7K OHM 1/4W 5%	U14	LM359
R22	47K OHM 1/4W 5%	U15	3340
R23	360 OHM 1/4W 5%		
R24	2.7K OHM 1/4W 5%	ICS U3	40 PIN IC SOCKET
R25	180 OHM 1/4W 5%	ICS U4-U6	28 PIN IC SOCKET
R26	360 OHM 1/4W 5%	ICS U10	40 PIN IC SOCKET
R27	120K OHM 1/4W 5%	ICS U11	16 PIN IC SOCKET
R28	330K OHM 1/4W 5%		
R29	4.7K OHM 1/4W 5%	FR1-FR4	FERRITE BEAD
R30	510K OHM 1/4W 5%	JW1-JW5	JUMPER WIRE
R31	120K OHM 1/4W 5%	SW1	PCB SWITCH

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M051-00114-A126 TURBO CHEAP SOUEAK A084-91779-A000

DESIGNATION LIST

DESIGNATION	DESCRIPTION
LED 1	GREEN LED
U1	CLOCK OSCILLATOR 8MHZ
J1	9 PIN KK100 R/A
J2	12 PIN KK156 R/A
J3	12 PIN KK100 R/A
MTHW 1-4	SPACERS
PCB	TURBO CHEAP SOUEAK

MUSI- UUII4 - A126

MOSI-00114-A126 30+5

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M051-00114-A126 TURBO CHEAP SOUEAK A084-91779-A000

CROSS REFERENCE

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DESCRIPTION	<u> 0TY</u>	DESIGNATION NO.	PART NUMBER
18PF AX. CR.	1	C1	0C48-00800-0001
68PF AX. CR.	1	C27	0307-00800-0011
100PF AX. CR.	6	°C4,C5,C6,C7,C8,C9	0304-00800-0001
150PF AX. CR.	1	C20	0307-00800-0010
270PF AX. CR.	2	C14,C17	0307-00800-0009
390PF AX. CR.	4	C31,C32,C33,C34	0986-00800-3000
470PF AX. CR.	1	C19	0307-00800-0008
680PF AX. CR.	1	C23	0358-00800-0002
820PF AX. CR.	2	C2,C3	0304-00800-0002
.0056MF AX. CR.	1	C16	0307-00800-0007
.01MF AX. CR.	5	CP1-CP11,C11,C13,C24, C28,C29	0986-00800-2200
1MF RAD TANT	5	C15,C18,C21,C22,C26	0307-00800-0004
10MF RAD TANT	2	C10,C30,	0307-00800-0005
47MF AX. ELECT	2	C12,C25	0307-00800-0003
470MF AX. ELECT	2	C35,C36	0A15-00800-0005
100 OHM 1/4WATT 5%	4	R9,R11,R12,R45	100E-00005-0033
150 OHM 1/4WATT 5%	1	R3	100E-00005-0037
180 OHM 1/4WATT 5\$	1	R25	100E-00005-0039
360 OHM 1/4WATT 5%	2	R23,R26	100E-00005-0048
1K OHM 1/4WATT 5%	2	R60,R61	100E-00005-0061
2.7K OHM 1/4WATT 5%	2	R24,R49	100E-00005-0071
3.3K OHM 1/4WATT 5%	2	R2,R41	100E-00005-0074
4.7K OHM 1/4WATT 5%	9	R1,R4,R5,R6,R7,R8 R21,R29,R48	100E-00005-0079
10K OHM 1/4WATT 5%	6	R13,R14,R15,R16,R18 R20	100E-00005-0088
18K OHM 1/4WATT 5%	1	R33	100E-00005-0093
24K OHM 1/4WATT 5%	3	R40,R42,R47	100E-00005-0097
33K OHM 1/4WATT 5%	2	R32_R35	100E-00005-0100
47K OHM 1/4WATT 5%	2	R10, R22	100E-00005-0104
82K OHM 1/4WATT 5%	1	R37	100E-00005-0112
100K OHM 1/4WATT 5%	2	R17,R19	100E-00005-0115
110K OHM 1/4WATT 5%	1	R34	100E-00005-0117
120K OHM 1/4WATT 5%	2	R27,R31	100E-00005-0118
150K OHM 1/4WATT 5%	2	R36,R39	100E-00005-0120
160K OHM 1/4WATT 5%	1	R44	100E-00005-0121
330K OHM 1/4WATT 5%	2	R28,R43	100E-00005-0128
510K OHM 1/4WATT 5%	2	R30,R38	100E-00005-0133
560K OHM 1/4WATT 5%	1	R46	100E-00005-0134
MPS3646	1	01	104E-00001-0019
2N5305	3	02-04	104E-00007-0003
IC 40106	1	IC U12	0304-00803-0056
IC 74LS00	1	IC U9	0A15-00803-0046
IC 74LS02	1	IC U8	0986-00803-7400 0A15-00803-0072
IC 74LS76	1	IC U2	
IC 74LS139	1	IC U7	0A15-00803-0051
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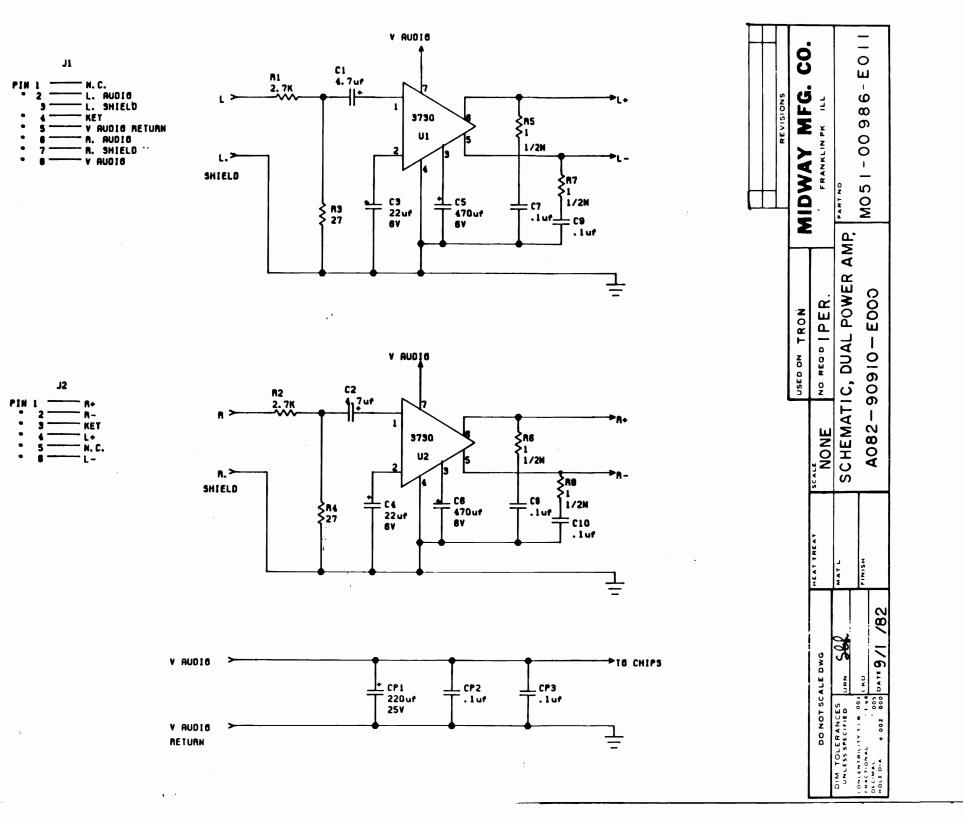
M051-00114-A126 TURRO CHEAP SQUEAK A084-91779-A000

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CROSS REFERENCE						
DESCRIPTION	OTY	DESIGNATION NO.	PART NUMBER			
IC AD7533	1	IC U11	0304-00803-0055			
IC LM359	2	IC U13-U14	0304-00803-0053			
IC 3340	1	IC U15	0358-00803-0002			
IC 68809E	1	IC U3	0048-00803-0001			
IC 68B21	1	IC U10	0A15-00803-0074			
IC 2K X 8 RAM	1	IC U6	0304-00803-0057			
IC EPROM/ROM	2	IC U4-U5	SEE EPROM/ROM CHART			
16 PIN IC SOCKET	1	ICS U11	110E-00001-0003			
28 PIN IC SOCKET	3	ICS U4-U6	110E-00001-0010			
40 PIN IC SOCKET	2	ICS U3,U10	110E-00001-0011			
FERRITE BEAD	4	FB1,FB2,FB3,FB4	0316-00804-0002			
JUMPER WIRE	5	JW1, JW2, JW3, JW4, JW5	117E-00001-0003			
PCB SWITCH	1	SW1	0986-00804-3100			
LED GREEN	1	LED 1	119E-00001-0001			
CLOCK OSCILLATOR 8MHZ	1	U1	109E-00002-0009			
9 PIN KK100 RT ANGLE	1	J1	0017-00021-1269			
12 PIN KK156 RT ANGLE	1	J2	0017-00021-1286			
12 PIN KK100 RT ANGLE	1	J3	0017-00021-1288			
SPACERS	4	MTHW 1-4	0017-00042-0328			
TURBO CHEAP SQUEAK	1	PCB	A080-91779-A000			

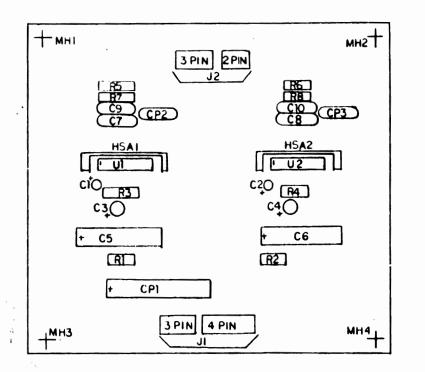
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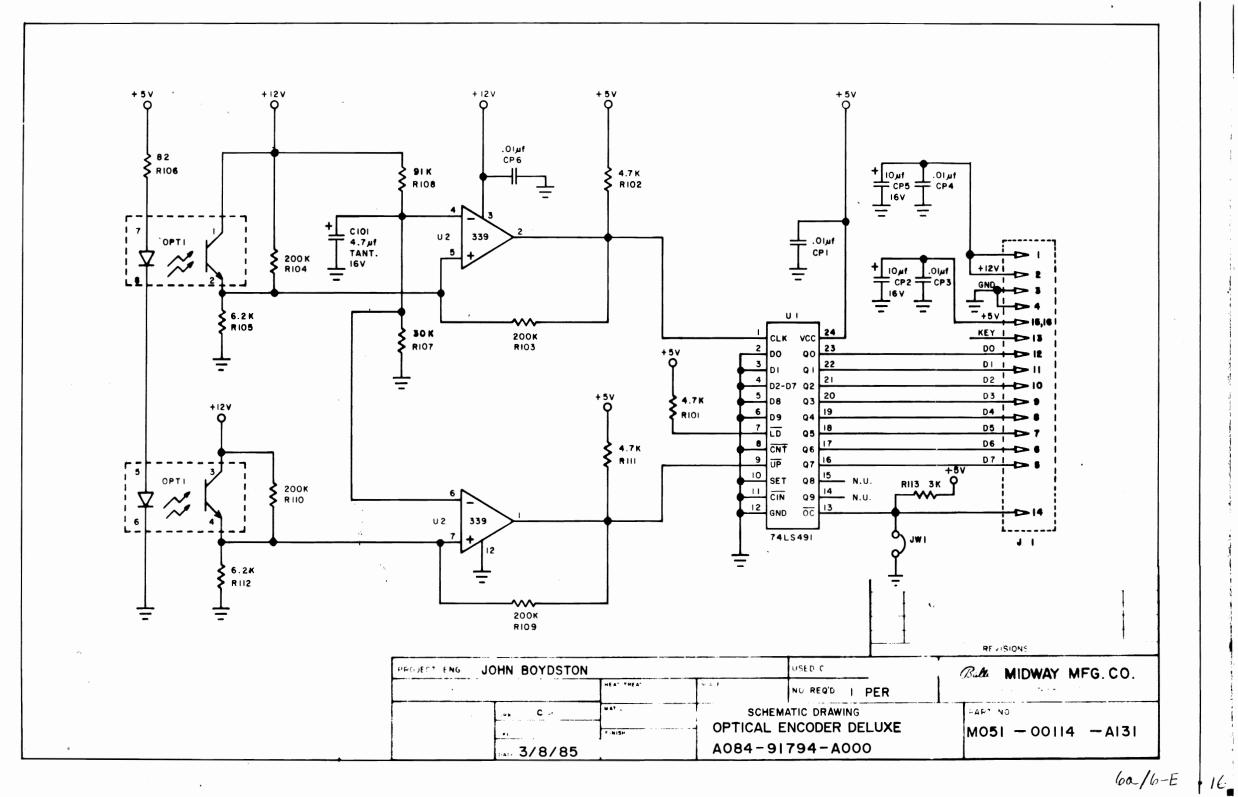
DESIGNA	TION LIST			
DESIGNATION	DESCRIPTION			
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CI, C2	4.7 mf 25v rd tant			
C3,C4	22mf 6v '' ''			
C5,C6	470mf 6v ax elect			
C7-C10	lmf 50v ax.cr			
CPI	220mf 25v ax elect			
CP2,CP3	: limf 50v ax.cr			
RI,R2	2.7KA 1/4w 5% CRBN.			
R3,R4	27n '' '' ''			
R5-H8	10 1/2w "			
U1,U2	MB3730			
JI	3 PIN STRT KKI56			
	4			
J2	3			
	2			
HSA1,2	HEATSINK ASSY			
MHI-MH4	HEYCO BUSHING			

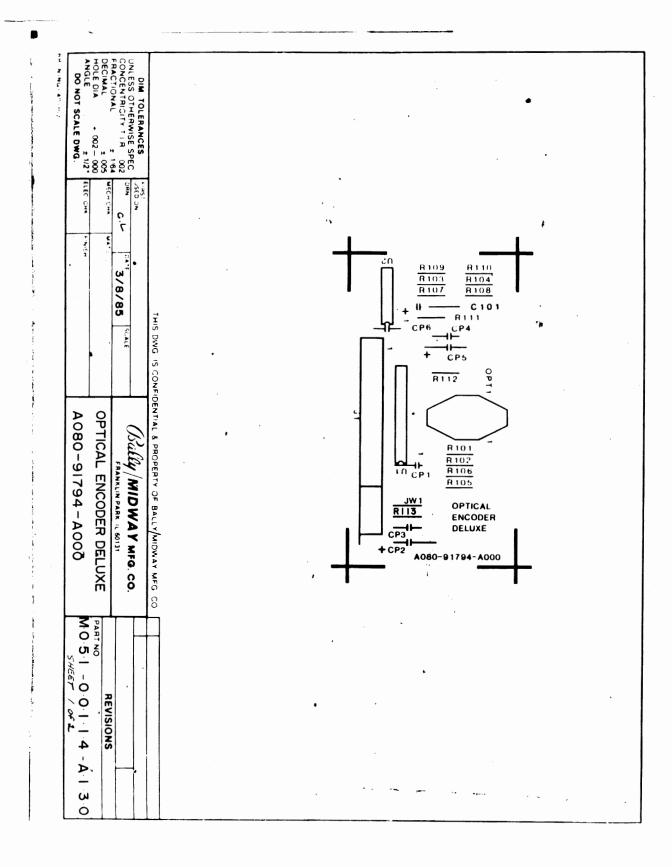


CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION	PART NO
,1mf 50v a×⊆r	6	C7-C10, CP2,CP3	0986-00800-100
4,7 mf 25v rd.tan	1 2	CI,C2	0986-00800-3100
22mf 6v " "	2	C3,C4	0986-00800- 600
220mf 25v ax.ble	c. 1	CPI	0986-00800-3200
470mf 6v	2	C 5,C6	0986-00800 1700
101/2w 5%	4	85-R8	0062-026D3XXX
2701/4w	2	R3, R4	0062-068B3:!XXX
2.7K ··· ··	2	RI, R2	0062-199B3-1XXX
MB3730	2	U1,U2	0066-188xx-:::x4x
2 PIN STRT. KK 156	1	J2	3000-16367-0200
3	2	JI,J2	3000-16367 -(1300
4	1	JI	3000-16367-0400
HEATSINK ASSY	2	HSAI, HSA2	A986-00010±000
HEYCO BUSHING	4	MH1-MH4	0017-00042-0014
PC BOARD	ł		A080-90910-E000

PROJECT	ENG. C MEDNICK	THIS DWG IS C	CONFIDENTIAL & PROPERTY OF MIDWAY MFG CO	
DIM. TOLERANCES UNLESS OTHERWISE SPEC CONCENTRICITY T I R 002 FRACTIONAL ± 1/64	Filter TRON USED UN TRON UHN TJ K 9-1-82	FULL	FRANKLIN PK, IL 60131 ABALLY CO	REVISIONS
DECIMAL ± 005 DECIMAL ± 005 HOLE DIA + 032 000 ANGLE ± 1/2" DO NOT SCALE DWG	MELINY HA MAT. Evel Char Press			MO51-00986-E010
DO NOT SCREE DWG	(.)0 m/			



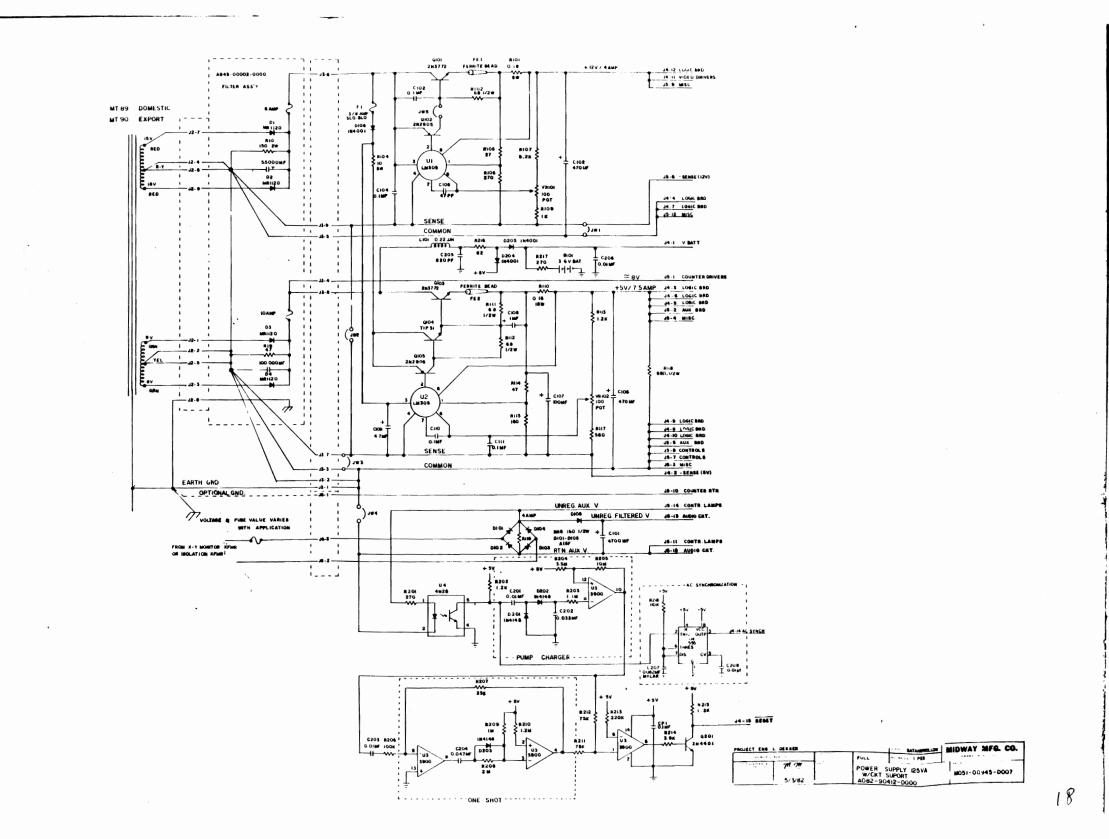


M051-00114-A130 OPTICAL ENCODER DELUXE A084-91794-A000

DESIGNATION LIST

DESIGNATION	DESCRIPTIO	N	DESIGNATION	DESCRIP	TION	
C101	4.7UF RAD.	TANT	R109-R110	200K OH	IM 1/4W 5\$	
CP1	.01UF AX.		R111	4.7K OH	M 1/4W 58	
CP2	10UF AX. E		R112	6.2K OH	M 1/4W 5%	
CP3-CP4	.01UF AX.		R113	3K OHM	1/4W 5%	
CP5	10UF AX. E		OPT 1	OPTO SW	ITCH DUAL	
CP6	.01UF AX.		01	74LS491		
R101-R102	4.7K OHM 1	/4W 5%	U2	LM339		
R103-R104	200K OHM 1	/4W 5%	J1	15 .045	SQ. PIN	
R105	6.2K OHM 1	/4W 5%				
R106	82 OHM 1/4	W 5%	JW1	JUMPER	WIRE	
R107	30K OHM 1/	4W 5%	PCB	OPTICAL	ENCODER DELUXE	
R108	91K OHM 1/	4W 5%				
CROSS REFEREN	<u>NCE</u>	0TY.	DESIGNATION		PART NUMBER	
.01UF AX. CR.	•	4	CP1,CP3-CP4,C	P6	0628-00800-0100	
4.7UF RAD. T/	ANT	1	C101		0628-00800-0200	
10UF AX. ELEC	ст.	2	CP2,CP5		0628-00800-0300	
82 OHM 1/4W	5%	1	R 06		100E-00005-0031	
3K OHM 1/4W	5 %	1	R113		100E-00005-0073	
4.7K OHM 1/4	N 5%	3	R101,R102,R11	1	100E-00005-0079	
6.2K OHM 1/4	N 5%	2	R105, R112		100E-00005-0083	
30K OHM 1/4W	5 %	1	R107		100E-00005-0099	
91K OHM 1/4W	5%	1	R108		100E-00005-0113	
200K OHM 1/41	N 58	4	R103,R104,R10)9,R110	100E-00005-0123	
74LS491		1	Uĩ		0628-00803-2700	
LM339		1	U2		0628-00803-2900	
OPTO SWITCH I	DUAL	1	OPT 1		120E-00001-0010	
JUMPER WIRE		1	JW1		117E-00001-0003	
15 .045 SO. F		15	J1		0304-00804-0010	
OPTICAL ENCO	DER DELUXE	1	PCB		A080-91794-A000	

PAGE 2 of 2



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CROSS REFFERENCE LIST

	DESCRIPTION	Q'1y	DESIGNATION .	FARI +
		C I Y		0945 00811 0100
	4701 AX CER B2001 AX CER	1	C 105 C 205	0945 00816 0400
1	O TUL AX CER	2	C 206, 208	0945 00616 0100
	OTH MYLAN	2	C201.203	0845-00316 0200
	DJJU MYLAH	1	C207 C204	0915 00816 0500
	047ut MillAR 0.082ut AK CER	1	C207	0945 00816-1900
	INT AX CER	5	C103,104,1 (111,	0945 00811 0200
			CPI	
	IUL RAD TANT	1	C 108 C 109	0910 00811 0300
	4 Jul RAD TANT 100ul HAD TANT	-	C 10/	0915 00811 0500
	4704 AX ELECT	2	C 102, 106	0945-00816-0600
	4/OC # AX ELECT	1	C 10 1	0945 00811 0700
	160hm 15W 5%	:	R110	0945 00815 0100
	18ohm 5W 5%		R 10 I	0945 00815 0200 0062 04/03 1XXX
	C 80hm 1/2W 5% 10uhm 5W 5%	i	R104	0945 00812-0100
	270nm 1/4W 5%	•	R105	0062-06883-1×××
	47ohm 1/4W-5%	1	R114	0062 08683 1XXX 0062 09803 1XXX
	680hm 1/2W 5% 820hm 1W 10%	3	R 107.112,219 R216	0062 10465 1888
	1500hm 2W 5%	1	R118	0945 00812 0200
	160ohm 1/4W 5%	•	R115	0062 124B3 1XXX
	270uhm 1/4W 5%	3	R 106.201.217 R 117	0062 13883 1XXX 0062 16283 1XXX
	563uhm 1/4W 5%	:	R109	0062 179B3 1XXX
	1 2K 1/4W 5%	3	R113,202.215	0062 18383 1888
	3 9K 1/4W 5%	1	R214	0062 20/B3 1XXX
	6 2K 1/4W 5%	1	R107	0062 21/83 1XXX 0062 25183 1XXX
	33K 1/4W 5%	2	R207 R211,212	0062 26983 1888
	100K 1/4W 5%	;	A:06	0062 2/583 1XXX
	10K 1/4W 5%	1	R2-8	U062-27783-1XXX
	220K 1/4W 5%	!	R213 R209	0062 29183 1XXX 0062 32383-1XXX
	IM 1/4W 5%		R203	0062 32583 1XXX
	1 24 1/4 55	i	R210	0062-32783-1XXX
	2M 1/4W 5%	1	R209	0062-33783 1878 0062-34783 1888
	3 3M 1/4W 5%	1	R204 R205	0062-3/183 1888
	10:4 1/4W 5%	'	N205	
740	100ohm POT	2	VR 101,102	0945-00814 0000
· · · · · · · · · · · · · · · · · · ·	A MULTINE DE C			
	LMJUS REG	2	U1 2 U6	0945-00911-0100 0929-00810-4500
	L M3900	i	U3	0945 00813 0200
	4N28	1	U4	0945-90813 0300
	A15F RECTIFICA	5	D101- 195	0945-00804-0200
	1N4001	3	D 106.204.205	0945-00804-0300
	1N4 148	3	D201-203	0945-00804-0500
	2N2905	2	Q 102.105	0945 00808 0300
	284401	1	0201	0945-00804-0400
	BATTERY 3 6VDC 60DEG C		8101	0017-00003-0377
•	FUSE 3/84 S BLO	1	F1	0945 00808-0400
	FUSE CLIP THE WRAP	1	FC IA.18	0017-00003-0214 0945-00814-0300
	FERRITE BEAD	2	FB12	
	FERRITE MOUNTING HOW		FBMH1,2	0017-00009-0225 0017-00033-0139
	22-4 INDUCTOR	:	L 101	0945-00814-0200
	FUSE TAG SYSTEN TAG			M051-00945-A004 M051-00945-A009
	PCB	÷		A080-90412-00C0
	HEAT SINK ASS'Y	1	HSA 1	A945-00008-0000
ENG L DEKKER MIDWAY MFG. CO.	(SEE HS ASS'Y DRAWING "	NN NOTE")	MH HSA 14,24.	0017 - 00101 - 00727
FULL SUPER.	HH 4-40 HEX NUT	2	MHHSA1E, 2E.	0017-00103-0002
ASSEMBLY DRAWING 12 5 VA PWRSPY	WSH 4-120 - 250 - 018	4	MH HSA 18,1D	0017-00104-0071
			MH H5A 28,20	
A082-90412-0000 M051-00945-0008	SPIN PC MOUNT CONN	(MALE)	J6	0017-00021-0443
	9PIN PC MOUNT CONN ((MALE) I	L)	0617-00021-0425
	15PIN P C MOUNT CONN		J4	0017-00021-0441
	ISPIN PC MOUNT CONN		15	0017-00021-0440
	22 AWG T & R BARE 2.5"	5	JW1-5	0151-00051 0000
	22			0151 - 00087 - 0000

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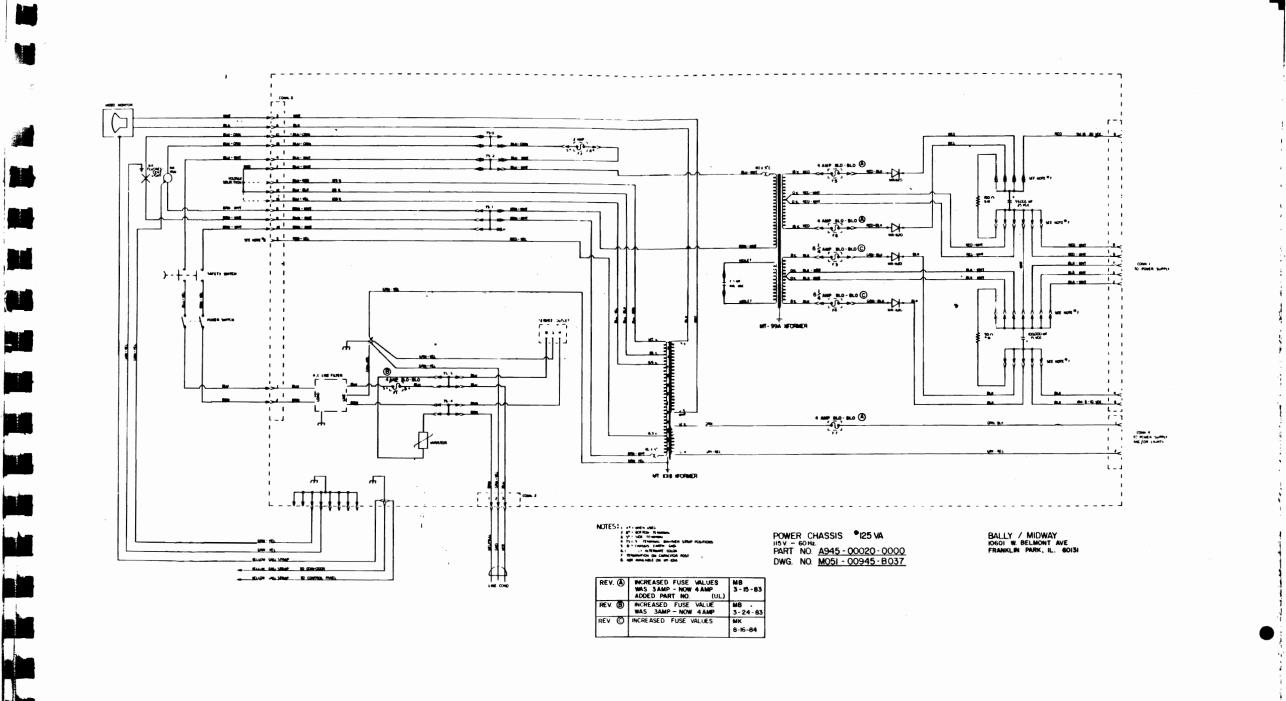
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FROJ. ENG L. DEKKER

	DESIGNATION .	DESCRIPTION	DESIGNATION .	DESCRIPTION
	C101	4700ut AA ELECT		
	C 102	470ul AX ELECT	R117	560. Pm 1/4W 5%
	C103	IULAX CE'R	R118 R201	150 uhin 2W
	C 104	TUT AX. CER	R202	2700hm 1/4W 5%
	C 108	4701 AX CER 47001 AX ELECT	R203	1 IM 1'4W 5%
	C 106 C 107	100ul RD TANT	R204	3 3M 1/4W 5%
	C10.	1 UT RD TANT	R205	10M 1/4W 5%
	C 109	4 TUI RD TANT	.200	100K 1/4W 5%
	C110	IULAX CER	R207 .	33K 1/4W 5%
	C111	TUT AX CER	A209	1M 1/4W 5%
	2201	01UI MYLAR 033UI MYLAR	R210	1 2M 1/4W 5%
	C 2 0 3	Oluf MYLAR	8211	75K 1/4W 5%
	C204	047ut MYLAR	A212	75K 1/4W 5%
	C205	82001 AX CER	R213 R214	220K 1/4W 5%
	C206 C208	OTUT AX CER	R215	3 9K 1/4W 5% 1 2K 1/4W 5%
	C207	0.082 uf MYL AR	8218	\$20hm 1W 10%
			R217	270uhm 1/4W 5%
			R218	110K 1/4W 5%
			R219	68 ohm 1/2 W 5%
			VR (01,102	100uhm POT
	CPI	IUT AX CER.		
	8101		D101	A 15F
	A 101	18 thm SW WIRES SPACER	D102	
	R104	BONM 1/2W 5%	D103	A 15F
	F 105	270hm 1/4W 5%	D104 .	A 15F
	1 106	270ohm 1/4W 5%	D105	A 15F
	107	6 2K 1/4W 5%	D201	184001
			D202	184148
			D203	1N4148
			D204	1N4001
			D205	1 N400 1
	1 :09			
	f 10	1K 1/4W 5%		
	£111	1600m ISW WIRES SPACER 6.800m 1/2W5%		
	R112	680hm 1/2W 5%		
	A113	1 2K 1/4W 5%	0102	282905
	R114	47ohm 1/4W 5%	Q 105	242905
	R115	1600hm 1/4W 5%	0201	284401
			U1 U2	LM'JS REG LM305 REG
			U3	1 43900
			114	1828
			U6	55*
			L 10 1	22uH INDUCTOR
			B101	BATTERY 3 6VDC BODEG C
				1
			£ 1	2 84 5 BLO FUSE
				1. Contract (1. Contract)
			FC1A.1B	FUSE CLIP
			1018.10	
			FE ; 2	FERRITE BEAD
			TWI	TH, WRAP
				IL WRAP
			c,	SPIN P.C. MOUNT CONN (MALE)
			14	ISFIN PC MOUNT CONN (MALE)
			15	ISPIN PC MOUNT CONN (MALL)
			16	SPIN PC MOUNT CONN (MALE)
			181	FUSE TAG
			182	SYSTEM TAG
			107	ATSILM ING
			HSAI	HEAT SINK ASS'Y I
5	*		MERSAL	MOUNTING HARD WARE (HEAT TINK)
	<i>b.</i>			2 SCREW
				4 WASHER
				2 HE KNUT
			JW1 5	JUMPER WIRE

3-16

FERRET BEAD MOUNTING HARDWARE FBMH12



BALLY/MIDWAY'S DEMOLITION DERBY (4 PLYR) C.T. #0C48 · • .

ROM/EPROM PART NUMBERS

UNPROGRAMMED SUPER VIDEO GEN. A084-91464-H000/L000/M000 PROGRAMMED SUPER VIDEO GEN. A084-91464-AC48

JUMPERS	IN	OUT
JW1		**
JW2	**	

POS.	MIDWAY PART NUMBER
1A	0C48-00803-0016
2 A	0C48-00803-0015
3A	0C48-00803-0014
4 A	0C48-00803-0013
5A	0C48-00803-0012
6A	0C48-00803-0011
7 A	0C48-00803-0010
8 A	0C48-00803-0009

UNPROGRAMMED 5MHZ CPU A084-91490-H000/J000 PROGRAMMED 5MHZ CPU A084-91490-AC48

•••.

JUMPERS	IN	OUT
JW1		**
JW2		**
JW3	**	
JWA		**
JW5		**
JW6		**

POS.	MIDWAY PART NUMBER
5F	0C48-00803-0002
6F	0C48-00803-0003
10	0C48-00803-0006
2C	0C48-00803-0007
3C	0C48-00803-0008
4 C	RLANK

UNPROGRAMMED S/S 1/0 A084-90913-F000/G000 PROGRAMMED S/S 1/0 A084-90913-AC48

JUMPERS	IN	OUT
JW1		**
JW2		**

POS.	MIDWAY PART NUMBER
7 A	BLANK
8 A	BLANK
9A	BLANK
10A	BLANK

UNPROGRAMMED TURBO CHEAP SQUEAK A084-91779-A000 PROGRAMMED TURBO CHEAP SOUEAK A084-91779-AC48

JUMPERS	IN	Ουτ
JW1	**	
JW2		**
JW3		**
JW4	**	
JW5	**	1

POS.	MIDWAY PART NUMBER
U4	0C48-00803-0005
U5	0C48-00803-0004

UNPROGRAMMED OPTICAL ENCODER DELUXE A084-91794-A000

JUMPER	IN	OUT
JW1		**

M051-00C48-A008