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Dedicated With Special Thanks To:

The Many Amusement Machine Manufacturers,

Collectors, Dealers, Designers, Distributors,

Engineers, Operators, and Players

That Have Generously Continued To Support Us

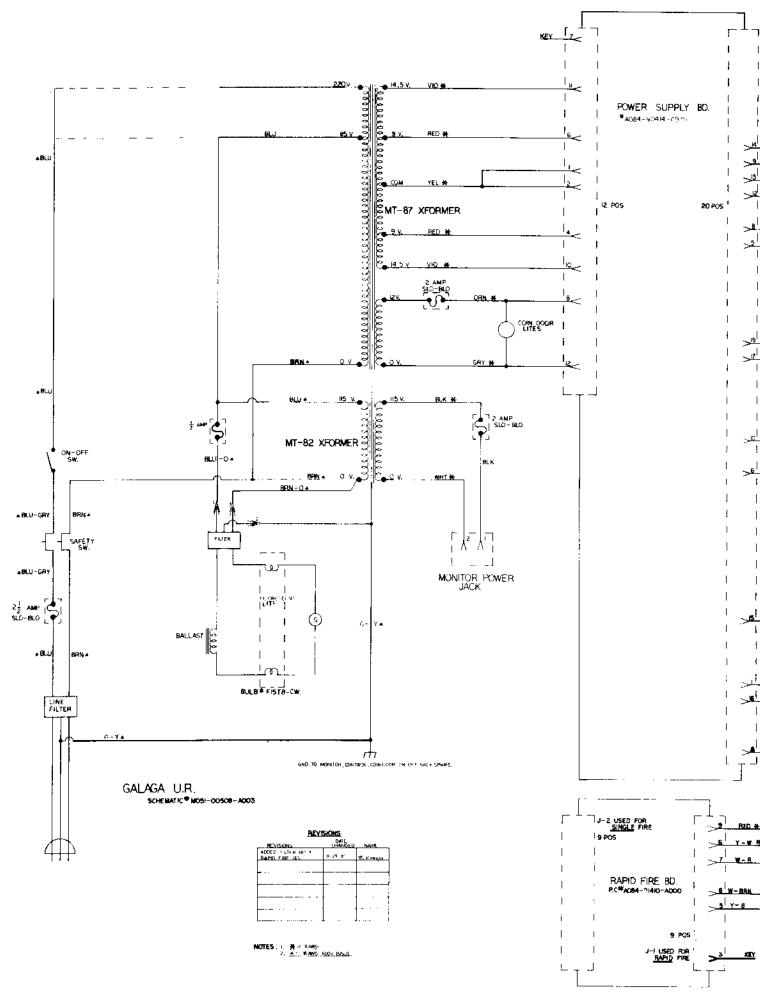
Throughout The Years

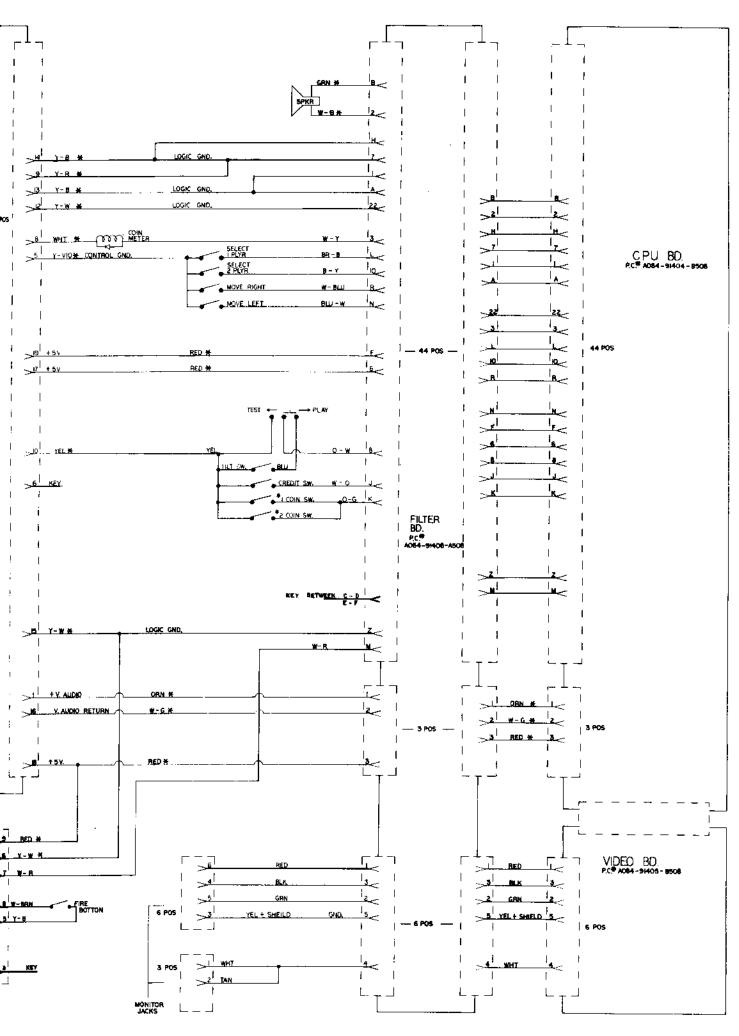
MANUALS — SCHEMATICS — TECHNICAL BULLETINS

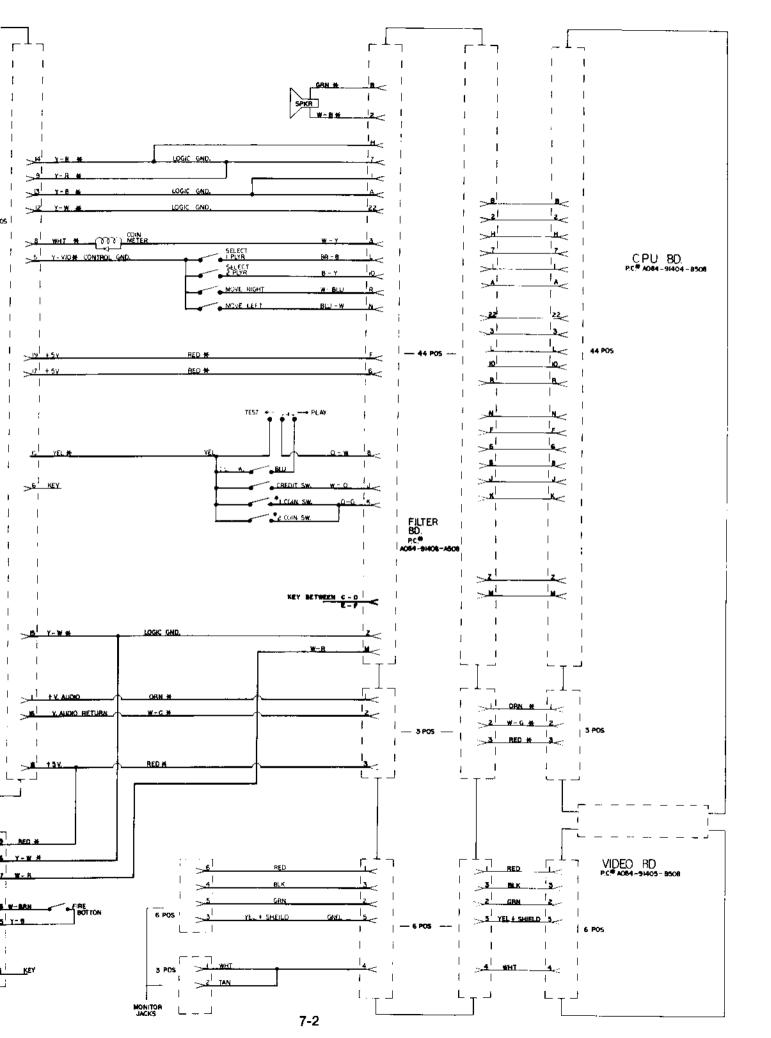
DIP SWITCH SETTINGS — PIN-OUTS — TRAINING

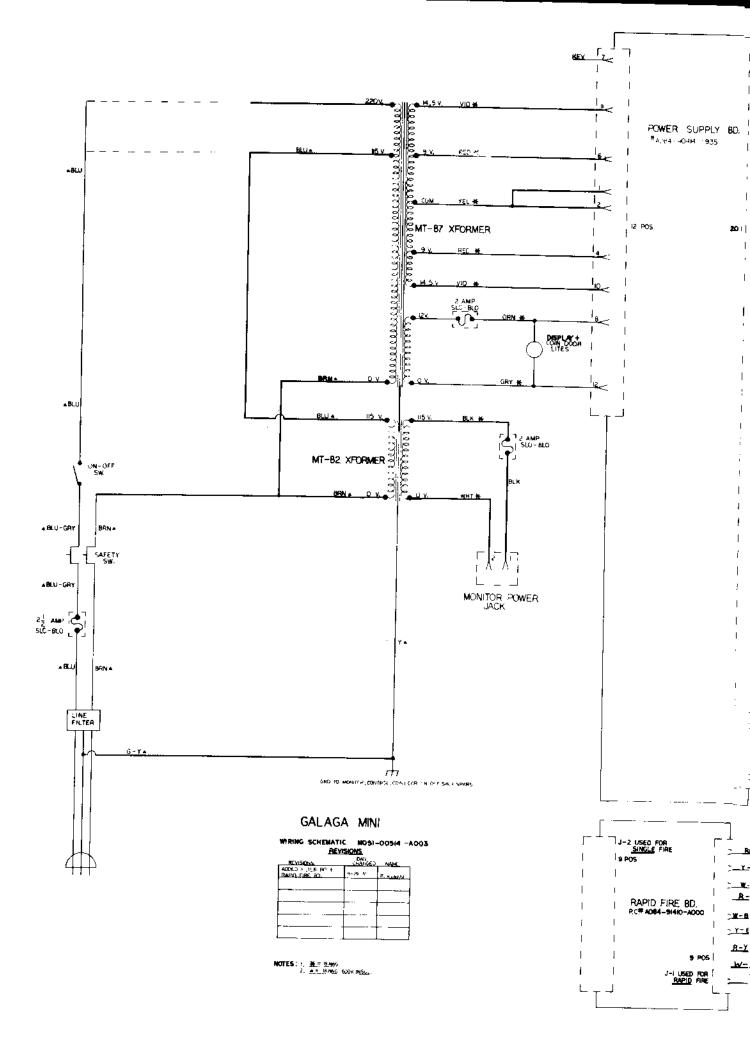
DISPL	AY	DESCRIPTION
RAM	οĸ	All RAMs are good
RAM	OL	RAM located on Video PC board at position 1K is bad.
RAM	ОН	RAM located on Video PC board at position 1K is bad.
RAM	1L	RAM located on Video PC board at position 1K is bad.
RAM	1H	RAM located on Video PC board at position 1K is bad.
RAM	2L	RAM located on Video PC board at position 3E is bad.
RAM	2H	RAM located on Video PC board at position 3F is bad.
RAM	3L	RAM located on Video PC board at position 3K is bad.
RAM	3H	RAM located on Video PC board at position 3L is bad.
RAM		RAM located on Video PC board at position 3H is bad.
RAM	4H	RAM located on Video PC board at position 3J is bad.
ROM	ок	All ROMs are good.
RÓM	01	ROM located on CPU PC board at position 3N is bad.
ROM	02	ROM located on CPU PC board at position 3M is bad.
ROM	03	ROM located on CPU PC board at position 3L is bad.
ROM	04	ROM located on CPU PC board at position 3K is bad.
ROM	11	ROM located on CPU PC board at position 3J is bad.
ROM	21	ROM located on CPU PC board at position 3E is bad.

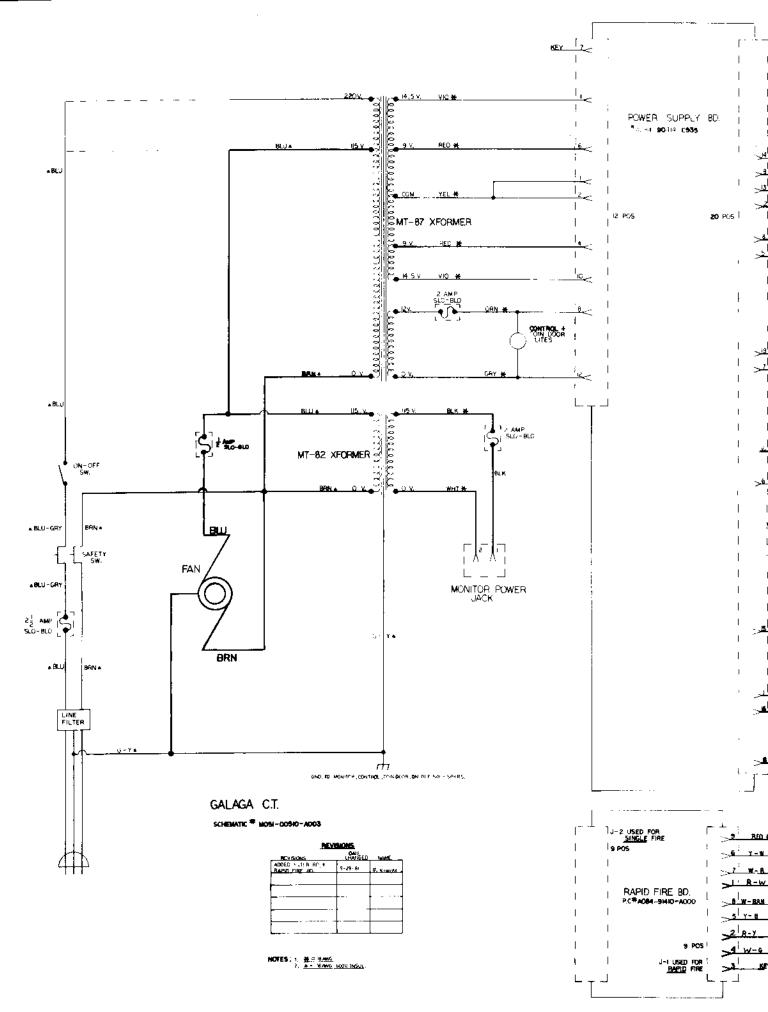
Figure 4b. Board location coordinates (Self test display)

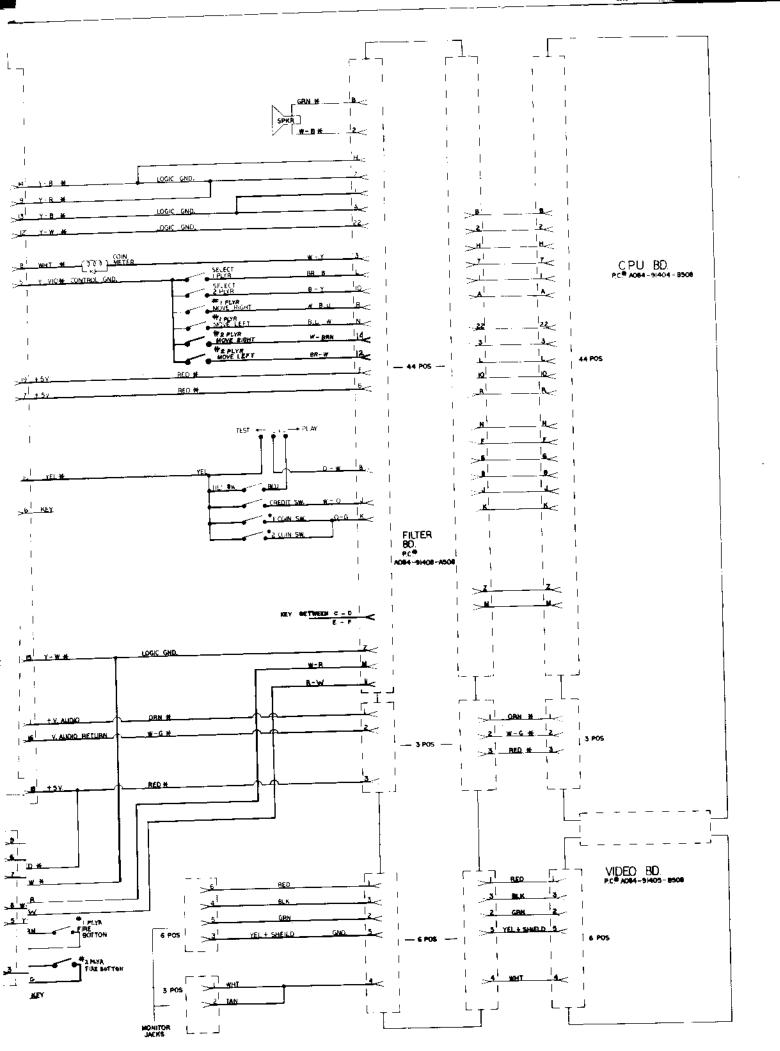


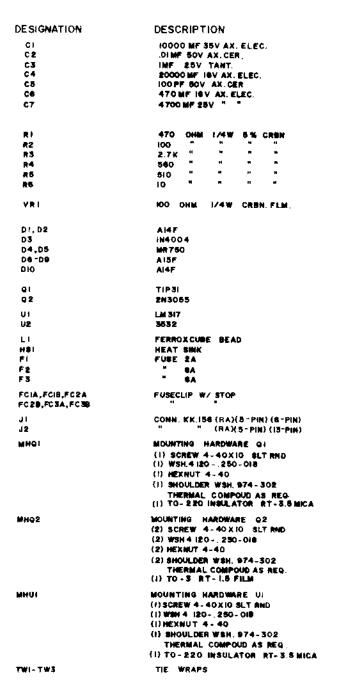


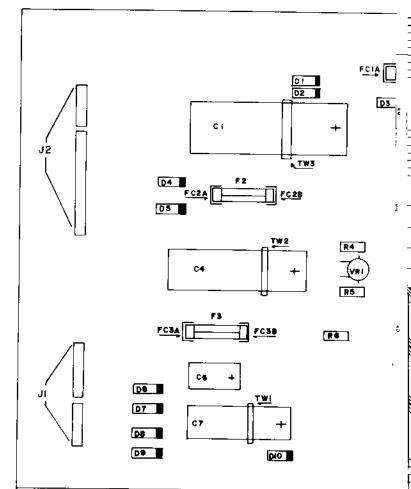


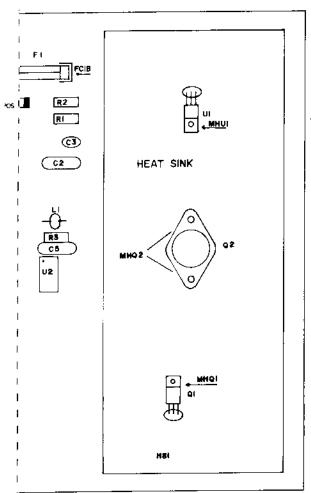




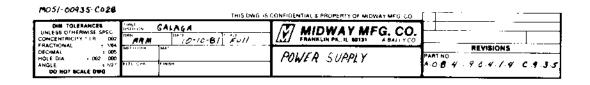


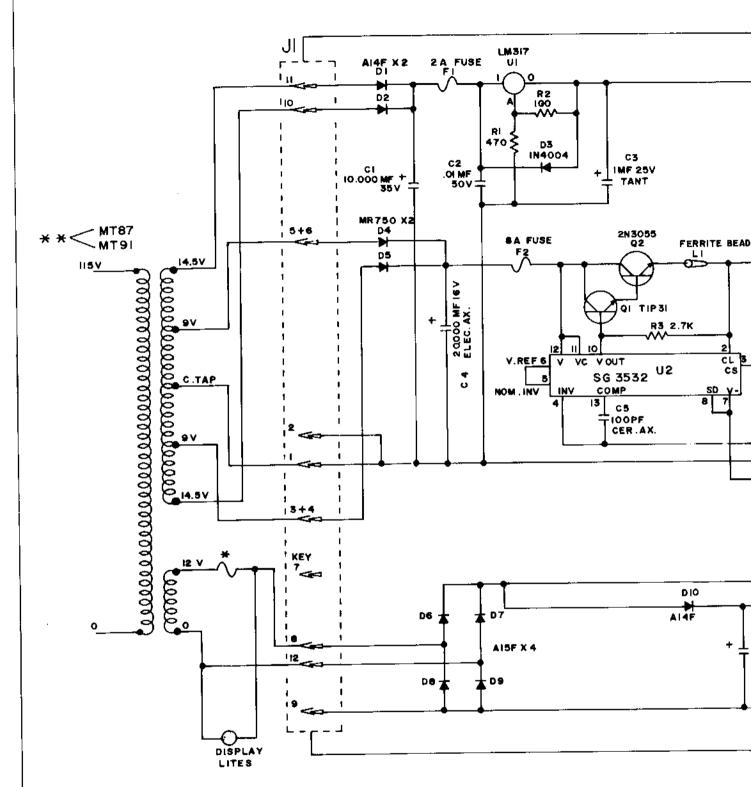






DESCRIPTION	QTY	DESIGNATION	PART NUMBER
100 PF 50v AX.CER.	1	C 5	0171-043H6-JXVX
.01MF " " "	1	C 2	0171-097H2-JXXX
1MF 25v TANT.	1	C3	0935-00814-0100
470MF AX.ELEC.	1	Ce	0175-271EX-EXXX
4700MF " " "	1	C7 C1	0175-314EX-EXBX
10000MF 35v AX.ELEC. 20000 16v MF " "	1	C 4	0175-322GX-EXBX 0935-00814-0800
	•		
10 OHM 1/4w 5% CBN 100 " " " "	1	R6 R2	0062-051B3-1XXX
470 * * " *	1	R1	0062-110B3-1XXX
510 * * * *	1	R5	0062-156B3-1XXX
560 " " " "	í	R4	0062-159B3-1XXX
2.7K* * * *	i	R3	0062-162B3-1XXX
	-		0062-19983-1XXX
100 " " CBN FLM	1	VR1	0063-025AX-1DEX
1N4004	1	D3	0508-00801-0200
A 14F	3	D1,D2,D10	0064-168XX-XXGX
A 15F	4	D 6-D9	0064-169XX-XXGX
MR750	2	D4.05	0064-303XX-XXJX
TIP31	1	Q1	0065-485XX-XXX
2N3055	1	Q2	0935-00800-0000
3532	1	U2	0066-044BX-XXXX
LM317	1	U 1	0935-00804-3600
FERROXCUBE BEAD	1	L1	0017-00009-0225
HEAT SINK	1	HS 1	0068-045XX-ABDX
FUSE 2A	1	F 1	0017-00003-0005
FUSE 6A	1	F3	0017-00003-0008
FUSE 8A	1	F2	0017-00003-0184
FUSECLIP	6	FC1A,FC1B,FC2A,	0017-00003-0214
		FC2B,FC3A,FC3B	
KK 156 (RA) (5)	2	J1,J2	3000-16387-0500
KK 156 (RA) (6)	1	J1	3000-16387-0600
KK 156 (RA) (13)	1	J2	3000-16387-1300
SCREW 4-40x10	4	MHU1,MHQ1,MHQ2	0017-00101-0727
WSH 4 120250-018	4		0017-00104-0071
HEXNUT 4-40	4	* * *	0017-00103-0002
SHOULDER WSH	4	т г п	0017-00042-0109
THERMAL COMPOUND	AS REQ.	#' # #	0017-00009-0204
TO-220, INSULATOR	2	MHU1,MHQ1	0017-00003-0205
TO-3 INSULATOR	1	MHQ2	0017-00042-0108
TIE WRAPS	3	TW1-TW3	0017-00042-0105





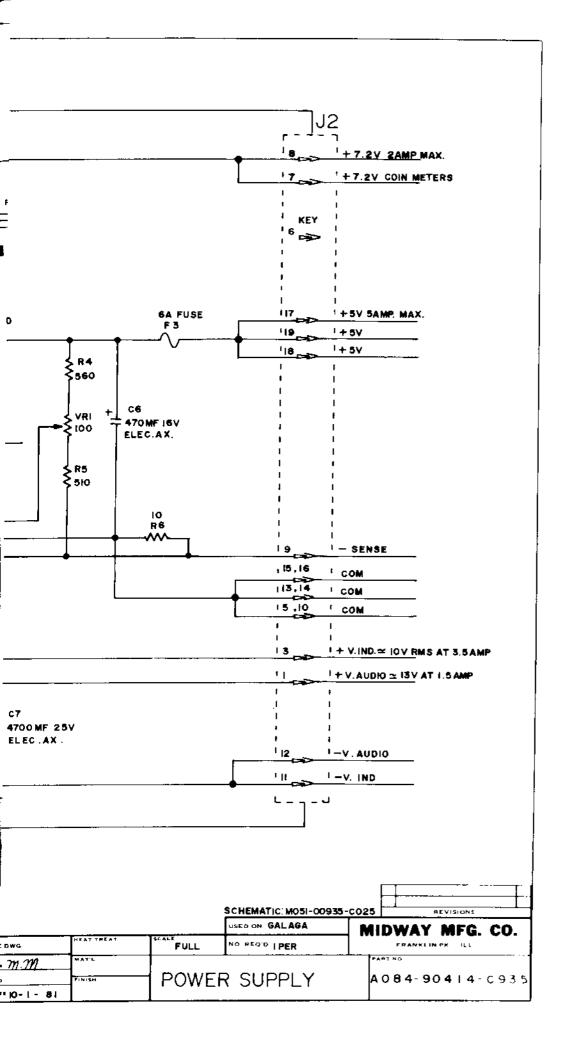
NOTES:

* 2AMP FUSE W/O DISPLAY LITES

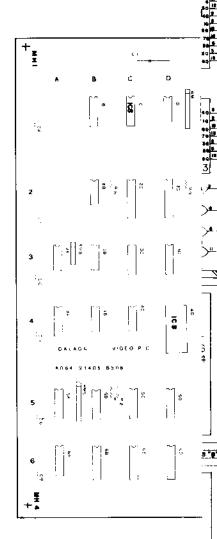
** MT87 FOR UR.

MT9I FOR C.T.

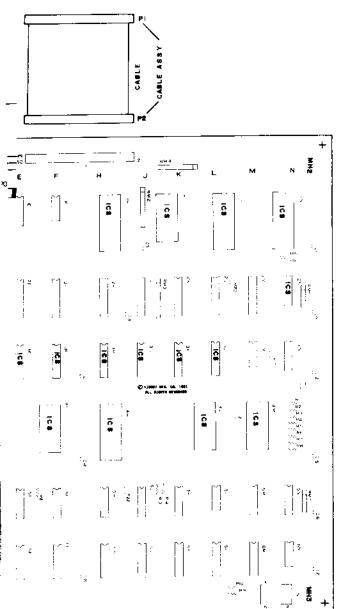
DO NOT SCALI



	<u>DESIGNATION L</u>	<u>.IST</u>	
DESIGNATION_	DESCRIPTION	DESIGNATION	DESCRIPTION
	470 MF 16V AX ELEC.	10 50,50,5E.SF.SH.SJ	74L5(6)
C 2	.OO MF SOV CER	, 5K	74L3269
C3	220 PF 500V -5% MICA.	DL	741320
C4- C21	IMF SOV CER.	_ 5M	74L3267
0.00		5N	66-5 PROM (32×8)
		6A	74L8365 "VIDEO RAMKIT"-"OPTION
	220 OHM 1/4W 8% CRBN.	. • 4	
件(6C,6D,6E,5F	"VIDEO RAM KIT" - "OPTION 2" "VIDEO RAM KIT" - "OPTION I "
#2	470 220	_ 6H	VIDEO RAM KIT - OPTION :
R3	470	61.5K.EL.6M	
R4		" 6N	741386
RS	IK " "		
₹6	220	105 10	IS-PIN IC SOCKET
R7	470	" H	28-PIN "
RP,R9	IK " " " "	" ik	24-PIN " "
RIC		" IL, IN	28-PIN " "
RE-R14	470	" 2N	16 - PW
RI5.RI6	IK 1	" 3E.3F.3H.3J,3K,3L	10 - PIN " "
RI7	330	" 4D.4F	24-PIN "
R# - R22	ık	* 4H	28-PIN "
		" 4L.4M	24-PM " "
RMI - RM 4	2.2KOHM 6-UNIT 9-PIN SIP	- DN	16 - PIN " "
RMS	ik " " " "	-	
MAG-RMG	IK OHM 4-UNIT 5-PIN SIP		
(<u></u>		13	CONN - R.A. HEADER 50 - PIN
		71	
	T41 A1T's	J2	CONN- PCB HEADER 6-PIN
ic ia	74L9155 gg-3 PROM (256 X4)	MHI- MH4	DUAL LKG PCB SPACER AGEC-91465-8508
ic i	74L908	PCB	MORO- 81409- 8304
ID			
į i <u>e</u>	7415138 741832	CABLE ASSY	AS BELOW
T.	DAXX CUSTOM IC	P1, P2	PLUG- SOCKET CONNECTOR 50- PIN
I (B	STATIC RAM (ZKX8)		RIGON CASLE- 33FT 50-CONNECTOR
Ţ (K	OOXX CUSTOM 1G	CABLE	28 GA STRND RND. CONDUCTOR
: <u>L</u>	O7XX		24 GR STRIPERRED CORGOO OR
: <u>#</u>	741520		
20	7418273		
2C	7418377		
_ 20 _ 2E	7415273		
	7418245		
" 2F,2H,2J,2K " 2L	74L5273		
	741.8377		
- 2M " 2N	GG - 4 PROM(256×4)		
- 3A	74L820		
- 30	74LS86		
	74L5263		
30,30 36,37,34,33,3K,3L	214-2 RAM(IKX4)		
36,57,581,50,58,58.	741.800		
. 3M	74L3 366		
" 4A	741.8157		
" 48,40	74L 8 96		
- 4D	99-L EPROM (4096X8)		
, 45 , 45	86-K		
" 4H	02XX CUSTOM IC		
" 4L	GG-J EPROM(4096×8)		
" 4M	OBXX CUSTOM IC		
	74LS365		
5 A	74L3298		
" 5 B			

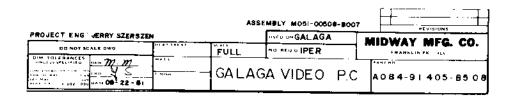


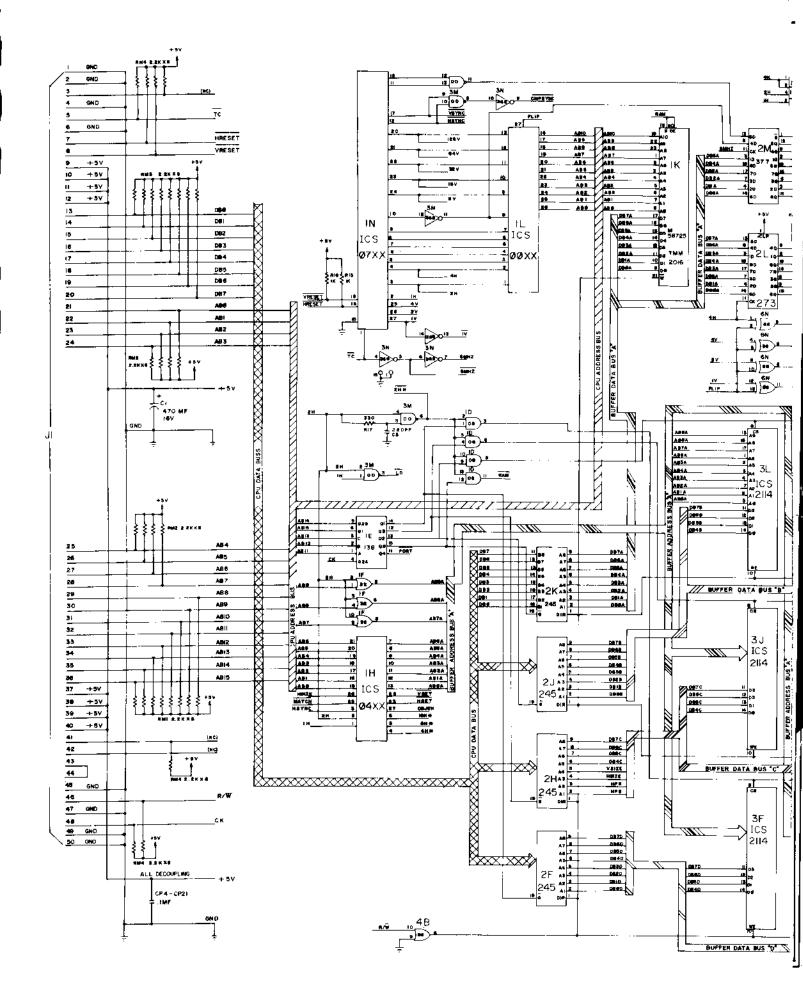
<u>'c'</u>

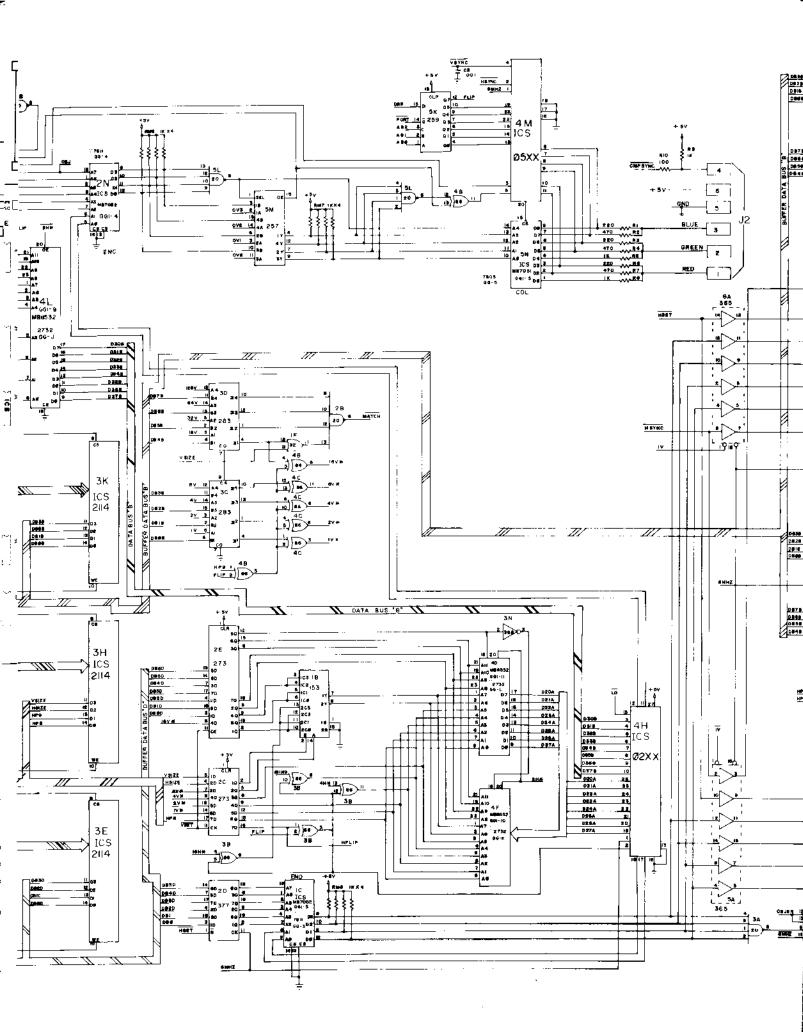


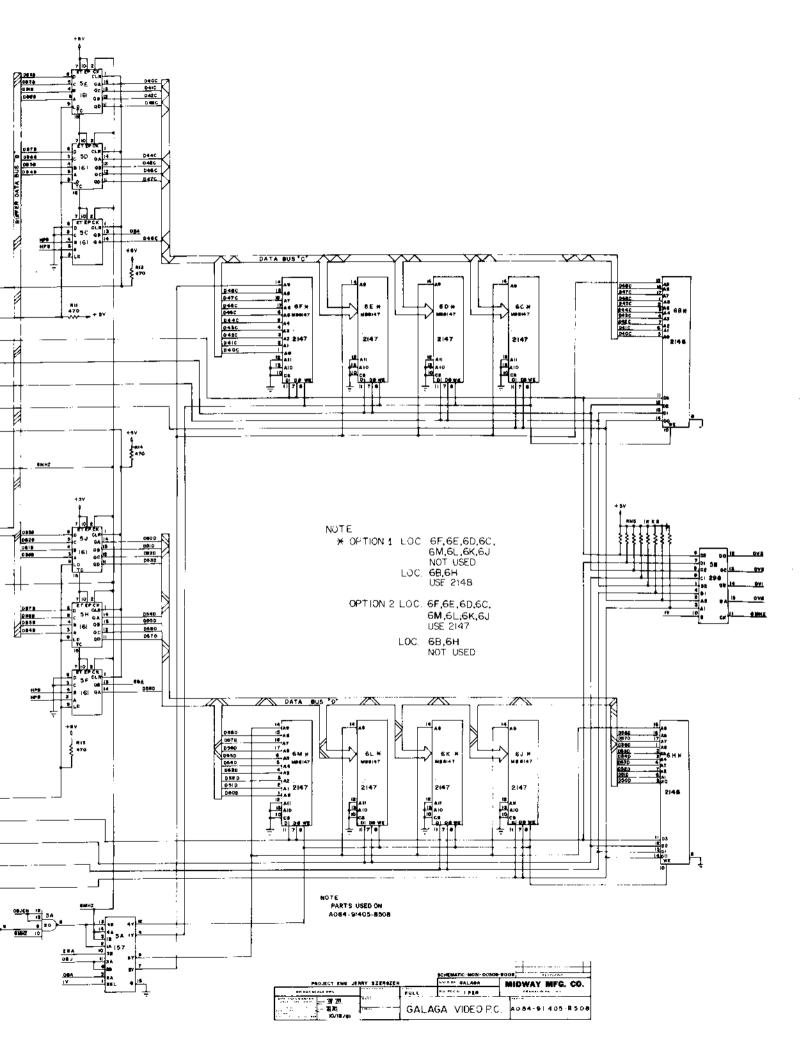
CROSS REFERENCE LIST

CROSS RE	FEREN	JE LIST	
DESCRIPTION QU	UANTITY	DESIGNATION	PART -
220 PF 500V 45% MICA CAP	1	C3	0508-00607-0100
ON MF SOV CER CAP	1	CZ	0508-00800-0200
.IMF " "	16	G4-C2	0506-00600-0500
470MF I6V AX. ELEC	I	CI	0508-00800-0400
100 OHM 1/4W 5% CRBN. RES.	1	RIO	0062-11085-1XXX
220	3	R1, R3, R6	0062-I3363-IXXX
330	<u> </u>	Rt7	0062-14483-IXXX
470	7	#2.R4.H7.RH-R14	0062-15683-IXXX
) K	10	R5,R8,R9,R15,R16. R18-R22	0045-1488-1XXX
IK SIP (4-UNIT) 5-PIN	3	RMG- RMQ	0808-00804-0100
IK BIP (O-UNIT) 9-PIN	1	RM5	0508-00804-0200
2.\$K	4	RMI = R M4	0508-00604-0300
DOXX CUSTOM IC	1	ICIL	0086-0016X-XAPX
02XX " "	!	IC4H	0066-002CX-XAPX
OAXX " "	1	IC 1 M IC 4 M	0066-003CX-XAPX
07XX " "	i	ICIN	0066-004CX-XAPX 0066-006CX-XAPX
2114-2 ST.RAM 200 NS.(1024X4)	è	IC 3E, 3F, 3H, 3J, 3K, 3L	0508-00803-0300
741800	ĭ	1C3M	0808 - 00803 - 0400
74L808	i	D	0508-00803-0500
74L820	3	IC 28, 3A, 5L	0506-00803-0600
741832		ICIF	0508-00803-0700
74L386	4	1038,48,40,6N	0508-00803-0800
74L5 30	1	ICIÉ	0508-00803-0900
74L\$155	!	ICIB	0508-00803-1000
7418157	 5	IC4A	0506-00603-1100
74L8161 74L8245	4	1050,50,56,55,6M,6J 1025, 2H, 2J, 2K	0508-00803-1200
7418257	7	10 5 M	0508-00803-1500
741 8259	ì	IC5K	0508-00803-1500
7418273	3	1020,2E,2L	0508-00803-1500
74 L 5243	2	IC 3C , 30	0508-00803-1700
74L8298	L	IC 58	0508-00803-1800
7418365	2	IC SA . SA	0508-00803-1800
741,8366	ı	IC 3N	0508-00803-2000
7418377	2	IC2D, 2M	0508-00803-2100
GG-3 PROM (256X4)	<u> </u>	ICIC	0508-00803-2900
99-5 PROM (32×#)	i	IC 2N IC 5N	0508-00803-3000 0508-00803-300
GG-J EPROM (4096 X8)	1	IC4L	0506-00803-2600
GG-K " "	i	IC4F	0508-00803-2700
8G-L "	i	IC 4D	0508-00803-2800
STATC RAM (2KX8)	1	IC IK	0508 - 00803-2500
" VIDEO RAM KIT "	1	MAIN PHATOM	0508-00803-4000
# OPTION!"	1	SUB PHATOM	NOT RELEASED
- 2148 RAM (IKX4)	5	IC 6B, SH	(IN ABOVE NUMBER)
# OPTION 2	1	SUB PHATOM	0508-00803-2200
- 2147 RAM (4KXI)	•	IC 6C, 4D, 6E, 6F, IC 6J 6K 6J 6M	(IN ABOVE NUMBER)
* NOTE: ASSEMBLY TO (NCLUDE AS PER LATEST RELEASED B.		IC 6J , 6K , 6L , 6M FION I " <u>OR</u> " OFTION2"	
		LORIO OD AN	
16-PIN IC SOCKET	3 6	(C 5 IC, 2N, 5N IC 5 3E, 3F, 3H, 3J, 3K, 3L	0508-00804-0700
24-PIN "	5	IC 8 IK, 4D, 4F, 4L, 4M	0508-00804-0500
28- PIN "	4	ICSIN, IL, IN, 4H	0508-00804-0400
CONNECTOR - R.A. HEADER 50-PIN	1	JI	0306-00804-0800
CONNECTOR - PCB HEADER 5 - PIN	i	75	0017-00021-0424
MOUNTING HARDWARE -	•		COLUMN VIET
DUAL LKG. PGB SPACER	4	MHI-MH4	0017-00042-0253
PCB	i	"GALAGA" VIDED P.C.B	A080-91405-8506
CABLE ASSEMBLY	T	CABLE ASSY	A508-00027-0000
SO- PIN	_	•	
PLUG - SOCKET CONNECTOR	2	P), P2	0508-00804-090
RIBBON CARLE33 FT 50-CONDUCTOR 28GA	1	CABLE	0017-00033-0346
STRND AND CONDUCTOR			
AT THE PART CORDUCTOR			





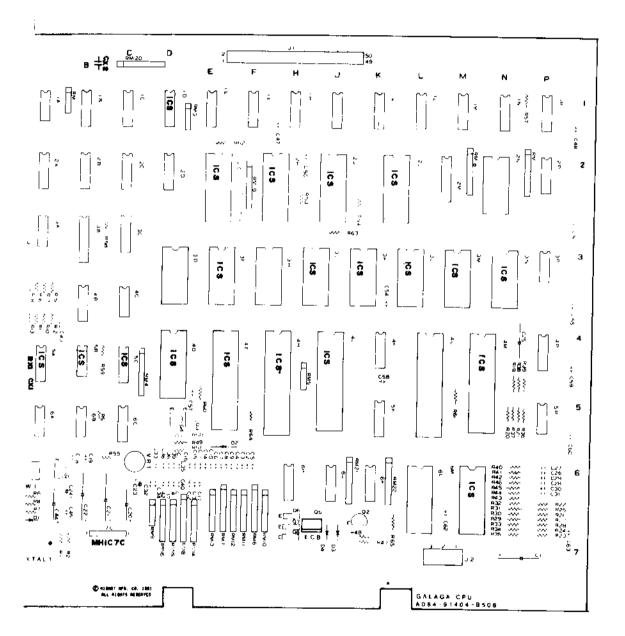




ESIGNATION	DESCRIPTION	DESIGNATION	DESCRIPTION
CI	470 MF I6V AX.ELEC	RMI-RM3	IK OHM 4-UNIT 5-PIN SIP
C2-CI7	.OIMF 50V CER	RM 4	IK OHM 8-UNIT 9-PIN SIP
CIB	JIMF " "	RM5	IK OHM 4-UNIT 5-PIN SIP
CIS	OIMF " "	RM6.RM7	IK OHM 8-UNIT 9-PIN SIP
C20	22 MF 35V AX. ELEC	RM ð	NOT USED
C21	220 MF 16V AX.ELEC	RM9	IK OHM 4-UNIT 5-PIN SIP
CZZ	100 MF " "	RMIO - HMI3	2.2 K OHM 4-UNIT 8-PIN SIP
C23,C24	.15 MF 25V 10% RD.TANT	RMI4,RMI5	NOT USED
C 26	IOMF 16V AX.ELEC	RMI6	220 OHM 4-UNIT 8-PIN SIP
C24-C29	OIMF 100V 10% MYLAR	RM17 - RM20	2.2K OHM 8-UNIT 9-PIN SIP
C30-C42	NOT USED	RM21, RM22	4.7K OHM 8-UNIT 9-PIN SIP
C43	.0022 MF 50V 10% CER		
C44	IOMF ISV AX. ELEC	VR I	IK OHM I/4W CREN. POT UP
C45	HOOPE SOV CER		WO KNOB ALPS HIOSIA-IKOH
C46 - C63	.IMF 50V CER		
		DI DO DA	IN9148
R1.R2	330 OHM 1/4 5% CRBN	D2-D4	NOT USED -
R3,R4	NOT USED	Q I	2N339IA
R 5	IK " " " " "	92	2N4 403
R6	IOK " " "	Q3.Q4	NOT USED -
R7,88 80	NOT USED	05	TIP NO
R 9	IOK OHM I/4w 5% CRBN	Q6-Q8	NOT USED
RIO RII	22K " " " " " " " " " " " " " " " " " "	40 40	
RI2	47K " " "		
R13	190K " " "	ic ia	7413107
RI4	NOT USED	î IB	741,\$283
RIS	470 OHM 1/4 # 5% CRBN	" IC	74L8174
RIG	ik " " "	" ID	GG-1 PROM (256 X 4)
#I7	2.2K " " " "	" (E'M'IN'IN'IK'IR'	74L\$367
RIG	4.7K " " " "	, IM, IN	74L3367
RIB	IOK " " " "	" IP	74 L\$138
R20	3.3K " " " "	2A,28	7489
R21-R28	NOT USED	" 2C	74L9/57
RŽÝ	4.7K OHM 1/4w 5% CRBN	20	74LSI56
R 30	10K " " " "	_ 2E,2H,2J	OBXX CUSTOM IC
REI	22K " " " "	" 2L	OSXX "
R32.R33	47K " " "	" 2M,2N " 2P	NOT USED
R34	IOK " " "	" 3A	——
R35	150K " " " "	" 38	4066 CMOS 74LS273
R36	33K " " " "	" 3C	74LS259
R37	IOK " " "	* 3D	NOT USED
R30	3.3K " " " "	" 3E	GG-G EPROM (4KX8)
R39	2.2K " " " "	" 3H	NOT USED
R40	470K " " " "	" 3J	GG-E EPROM (4KX8)
R 4 I	22K""""	* 3K	GG-D " "
R42	150 K	" 3L	66-c " "
R43	4.7K] [[]	" 3M	GG-B " "
R44	lok " " " "	* 3N	GG-A " "
R45	22K	" 3P	741832
R46	47K	* 48	74LSI39
R47,R48	470	" 4C	741532
849,850	NOT USED	" 4D	OTXX CUSTOM IC
R51	IOK OHM 1/4 5% CRBN	" 4E	280 MICROPROCESSOR 2.5 MH
R52 - R54	IK -	" 4H	SIXX CUSTOM IC
R55	NOT USED	" 40	Z80 MICROPROCESSOR 2.5MHZ
R56 - R63	IK OHM 1/4W 5% CRBN	<u>" 4K</u>	74LSI5I
R64,R65	4.7K " " " "	" 4L	NOT USED
CXI	33PF 50V CER	" 4M	ZBOA MICROPROCESSOR 4.0 M
CX2	100 PF "		
RXI	IK OHM I/4 w 5% CREN		

/4w 5% CRBN

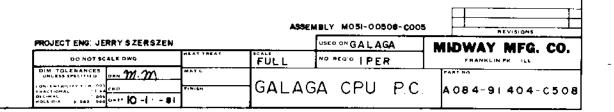
	DESIGNATION	DESCRIPTION	DESIGNATION	DESCRIPTION
AX. ELEC	RMI-RM3	IK OHM 4-UNIT 5-PIN SIP	IC 4P	74LS(39
CER	RM 4	IK OHM 8-UNIT 9-PIN SIP	<u> </u>	74L\$368
•	RM5	IK OHM 4-URIT 5-PIN SIP	" 5 8	74L8107
	RM6.RM7	IK OHM 8-UMT 9-PIN SIP	5C	GG-2 PROM (256X4)
AX. ELEC	RM6	NOT USED	" 5K	74L\$ 5(
V AX.ELEC	RM9	IK OHM 4-UNIT 5-PIN SIP	" 5P	LM324
	RMIO - ₩MI3	2.2K OHM 4-UNIT 6-PIN SIP	<u>"</u> 6A	74LS393
VIOW ROTANT	RM14,RM15	NOT USED	" 6B	74128
AX. ELEC	RMI6	220 OHM 4-UNIT 6-PIN SIP	_ ec	74L3I39
VION MYLAR	RMIT-RM20	2.2K OHM 8-UNIT 9-PIN SIP	<u>"</u> 6H	NOT USED
	RM21.RM22	4.7K OHM 8-UNIT 9-PIN SIP	" &L	"
DV ION CER			_ GM	54XX CUSTOM IC
X. ELEC	VR I	IK OHM 1/4 w CRBN.PDT UP W/O KNOB ALPS "HIO51A-1K OHM	" 7¢	MB 3730
CER CER				
	DI	I N \$44B	ics ib	IS-PIN IC SOCKET
/4w 5% CRBN	D2-D4	NOT USED	" 2E,2H,2J,2L	28-PIN " "
			3E,3J,3K,3L,3M,3N	24-PIN "
/4 5% CRBN	Q1	2N339iA	BA	16 -PIN "
	02	2N4403	* 50	I4-PIN " "
*	Q3,Q4	NOT USED	" SC	16 - PIN 🚆 🚆
	Q5	TIP NO	_ 4D	28-PM " "
/4w 5% CRBN	Q6-Q8	NOT USED	<u>.</u> 4E	40-PIN " "
· · ·			_ 4H	42-PIN " "
	IC IA	74L3I07	" 4J, 4M	40-PIN "
	i in	74 . 5 2 6 3	<u>-</u> ви	28-PIN "
	* ic	74L8174		
/4w 5% CRBN	* 10	GG-1 PROM (256 X4)	XTALI	(8.432 MHZ CRYSTAL
- " "	" NE.NF.(H.)J.(K,IL.	74L\$367	SWI	AKC-6 P.B SWITCH
	" IM,IN	74L5367	DIP SW 6J.6K	8-POS DIP SWITCH
- · ·	4 ip	7415136	2	5 . 5 p. 6 m. (ct.)
	" 2A, 28	7489	JI	CONN R.A. HEADER 50-PIN
	" 2C	74LS157	75	CONN. PCB HEADER 3-PIN
 .	" 20	74LSI58	* **	COMM: FOR HEADEN S FIN
1/4 m 5 % CRBN	" 2E,2H,2J	OBXX CUSTOM IC	MHICTO	MOUNTING HARDWARE
	" 2L	OBXX " "		(2) 4-40 HEX NUT
- • •	" 2M,2N	NOT USED		(2) 4-40 X 8 SLT, PAN M.S
- × -	" 2P	74L5 38		(2) WSH. 4 .125250032 FLT. ST.
• • •	" ŠĀ	4066 CMOS		(2) WSH, 4 .IEO250OIS EXT, ST.
- " "	" 3B	74L8273	·	
	* 3C	74LS259		
	* 3D	NOT USED	A080-91404-C508	GALAGA "CPU P.C.B"
* * *	" 3E	GG-G EPROM (4KX8)		· · · · · · ·
	" 3H	NOT USED		
• • •	" 3J	GG-E EPROM (4KX8)		
* * *	" 3K	6G-D " "		
	" 3L	GG-C " "		
• • •	" 3M	GG-B "		
· · ·	" 3N	GG-A "		
	" 3P	74L832		
	* 48	74L8139		
* " "	" 4c	74LS32		
	" 4D	OTXX CUSTOM IC		
/4 ± 5% CRBN	" 4E	ZBO MICROPROCESSOR 2.5 MHZ		
• • •	" 4H	BIXX CUSTOM IC		
	" 4 5	ZBO MICROPROCESSOR 2.5MHZ		
/4w 5% CRBN	" 4K	74LSI5I		
· · · · · · · · · · · · · · · · · · ·	" 4L	NOT USED		
i		ZBOA MICROPROCESSOR 4.0 MHZ		
CER	" 4M	LOUA MICKUPKUCESSUK T.V 404		

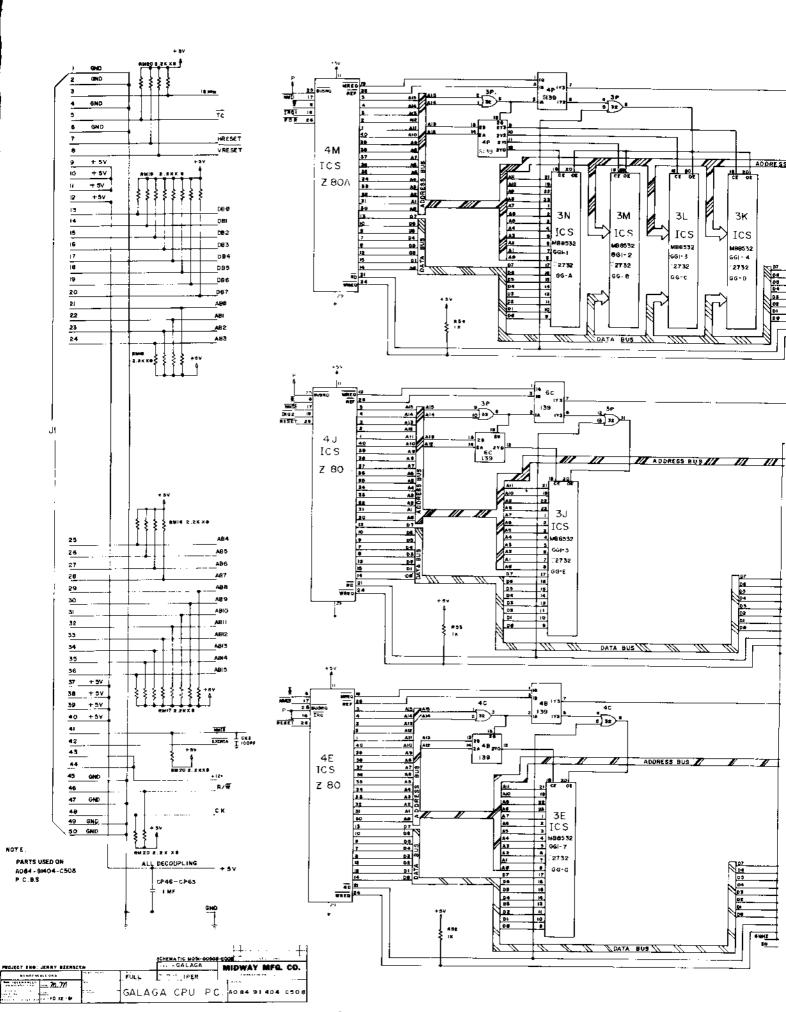


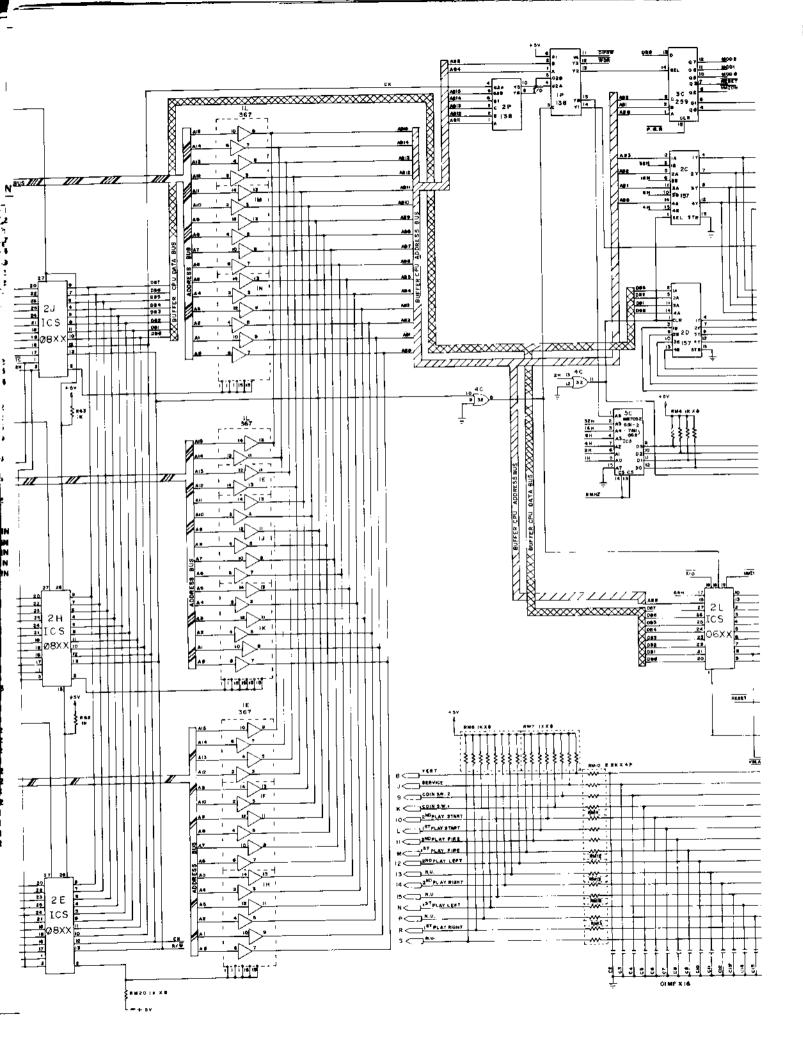
DES	CRIP	TION	1	_	DUA,
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.002	EMF "	, p			
.OI MI		CER			ł
.UMF	F 100V		.AR		
. ISMI			TAN'	r	l' 1
IOME		AX	ELE	5	ì
22 M	F 36V F 16V		:		!
2201		_	•		
	(F 6V	"	H		
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IK.		4		*	,
2.2K	"		11	"	ACOL
3.3K				-	4
4.7 K			"	"	! •
					,
22K 33k			*		4
47K					2
100K	w	•	*		•
IBOK	•	:	*	.,	1
470K			•	.,	- (
220	ОНМ	SĮP.	(4-UN	IT) @	- P
1 K	онм	*	"	5	-p '
1 K I K	•		" 8-UN	5 IT) 9	-P '
1 K 1 K 2.2 K 2.2 K		* ("	5 (T) 9 (T) 8	-p '
2,2K 1 K		* (" 8-UN 4-UN	5 (T) 9 (T) 8	-р -Р -Р
1 K 1 K 2,2 K 2,2 K 4,7 K 1 K O		* (" 8-UN 4-UN	5 (T) 9 (T) 8 (T) 9	- P - P - P
1 K 1 K 2.2 K 2.2 K 4.7 K 1 K OI	 HM F	* (" 8-UN 4-UN 8-UN	5 (T) 9 (T) 8 (T) 9	- P - P - P
1 K 1 K 2.2 K 2.2 K 4.7 K 1 K OF 1 N 9 1 4 8 2 N 3 3 9	HM F	* (" 8-UN 4-UN 8-UN	5 (T) 9 (T) 8 (T) 9	-P ' -P -P -P
1 K 1 K 2.2 K 2.2 K 4.7 K 1 K OI	HM F	* (" 8-UN 4-UN 8-UN	5 (T) 9 (T) 8 (T) 9	-P ' -P -P -P
1 K 1 K 2.2 K 2.2 K 4.7 K 1 K OF 1N9148 2N339 2N446 TIP ()	HM F	# (# (# 0	" 8-UN 4-UN 8-UN " NTIO	5 (T) 9 (T) 8 (T) 9	-P ' -P -P -P
1 K 1 K 2.2 K 2.2 K 4.7 K 1 K OF 1N9148 2N339 2N446	HM F	# (# (# 0	" 8-UN 4-UN 8-UN	5 (T) 9 (T) 8 (T) 9	P P P R -
1 K K	HM F	# (# (# 0	" 4-UN 8-UN NTIO!	5 (T) 9 (T) 8 (T) 9	P P P P P P P P P P P P P P P P P P P
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IK IK 2.2K 2.2K 4.7K IK 01 IW9148 2N349 1T IP II 06 XX 06 XX 51 XX 54 X6 74 L83	HM F	# (# (# 0	" 4-UN 8-UN NTIO!	5 (T) 9 (T) 8 (T) 9	P P P P P P P P P P P P P P P P P P P
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I K I K 2.2 K 4.7 K I M9148 2N3494 1 P S S S S S S S S S S S S S S S S S S	""" HM F 11A 103 0 CU8""" 1 CM0S 107 108 107 108 107	# (# (# 0	" 4-UN 8-UN NTIO!	5 (T) 9 (T) 8 (T) 9	P P P P P P P P P P P P P P P P P P P
I K 2.2 K K 2.2 K K 2.2 K K C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	""" HM F IIA DB O CUS"" "" CMOS CCMOS 559 517 558	# (# (# 0	" 4-UN 8-UN NTIO!	5 (T) 9 (T) 8 (T) 9	P P P P P P P P P P P P P P P P P P P

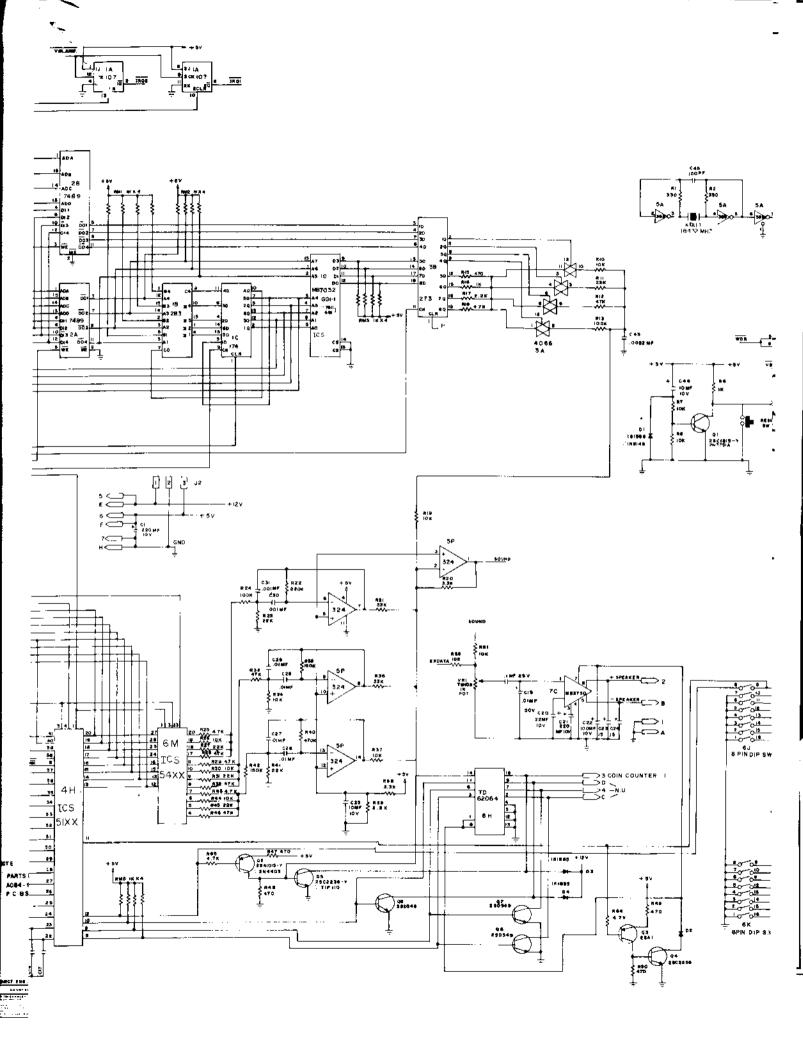
CROSS REFERENCE LIST

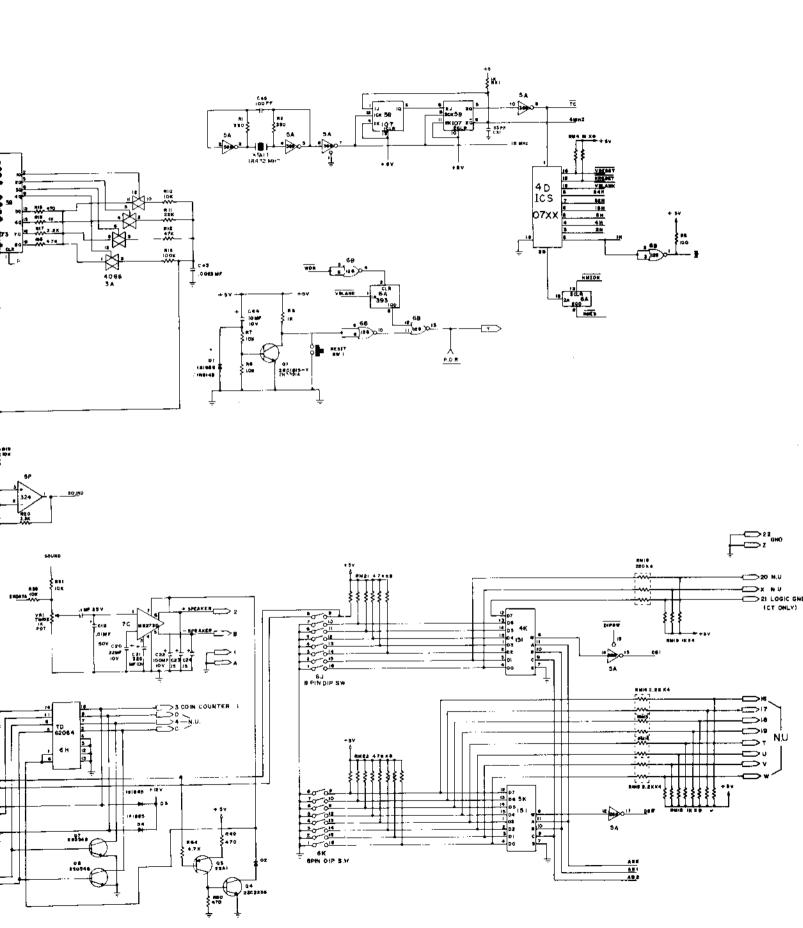
		<u> </u>	REFERENCE	LIST			
ΝT	ITY_	DESIGNATION	PART •	DESCRIPTION	QUANTITY	DESIGNATION	PART -
		CXI¥	0508-00800-2000	7418273	1	(C39	0508-00803-(600
		C48,CX2 H *	0508-00800-0500	7415283	1	ICIB	0508-00803-1700
•		c43	0508-00800-0600	74L\$367	6	ICIE, IF, IH, IJ, IK, IL	0508-00803-4800
•		C2-CI7.CI9	0508-00800-0600			iM, IN	
,		C26-C29	0506-00830-0700	74L8368	I	IC 5A	0808-00803-2000
		CIB, C46-C53	0508-00600-0900	74LS393	i	IC6A	0508-00803-4900
		C23,C24	0508-00800-1000	GG-I PROM (256X4)	1	ICID	0508-00803-3800
!		C25, C44	0508-00600-1100	96-2 " "	ŧ	ICSC	0506-90803-3900
		C20	0508-60600-1200	GG-A EPROM 2732	!	IC 3N	0508-00803-3200
		¢ 2 2	0508-00800-1500	GG-8 " "	!	I C 3M	0508-00803-3300
		Ç 2 I	0508 -00800-1400	GG-C " "	!	IC 3L	0508-00603-3400
		C!	0508-00800-1500	GG-D " "	!	IC3K	0508-00803-3500
				GG-E " "	<u> </u>	IC3J	0508-00803-3600
		R5	Q062-11083-1XXX	GG-G	i	ICSE ICSP	0508-00803-3700 0508-00803-5400
		RI.R2	0062 - I4483 - IXXX	LM324 M83730	<u> </u>	IC7C	0066-188XX-XX4X
		RIS , R 47, R48	0062-15683-1XXX	Z-80 (2.5MHZ)	2	IC4E #J	0508-00803-5000
		R6,R16,R52-R54	0062-17983-1XXX	Z-80A (4.0MHZ)	1	IC4M	0508-00803-5200
		R56-R63, RXI # ##		2-00x (4:0m)12/	•	10 1 111	0.00003-3200
		RI7, R39	0 062-19583-1XXX	14-PIN IC SOCKET	1	1C\$5B	0508-00804-1700
		R20.R38	0062-20383-IXXX	6-PIN "	3	ICS ID,5A,5C	0506-00804-0700
		RIB, R29,R43,R64.R65	0062-21193-1XXX	24-PIN " "	6	KS SE, 3J, 3K, 3L, 3M, 3N	0508-00804-0500
		R7.R8.RIO,RI9,R30	0062-22783-1XXX	28-PIN " "	6	ICS2E,2H,2J,2L,4D,6M	0506-00804-0400
		R34,R37,R44.R5I		40-PIN " "	3	ICS 4E, 4J, 4M	0508-00804-1800
		Rti. R31. R41. R45	0062-24383- IXXX	42-PIN " "	Ī	ICS 4H	0508-00804-1900
		R 36	00 62-25183 - 1XXX	10 475 1417 0000			
		R(2, R32, R33, R46	QQ62-25983- IXXX	18.432 MHZ CRYST P.B SWITCH AKC-8		X TAL I Swi	0508-00804-1400
		RIS	0062-27583- IXXX	8-POS DIPSWITCH	2 2	6J.6K	0508-00804-1500
		R 35 , R 42	QQ 62 - 28383- IXXX	CONN R.A. HEADER	_	JI	
		R40	00 62-30783- IXX X	CONN. PCB HEADER		J2	0508-00804-0800
				COMM. PCB HEADER	3-FIM 1	92	0017-00021-0443
N	1	RMI6	0508-00804-1100	MOUNTING HARDWA	#D 1070	MHIC7C	
١.	5	RMI-RMS,RM5,RM9	0508-00804-0100	-4-40 HEX NUT	2	-	0017-00103-0002
١.	3	RM4,RM6,RM7	0508 - 00804 - 0200	-4-40 X B PAN M.S	2	-	0017-00101-0510
1	4	RMIO-RMI3	0508-00804-1200	-MASHER #4 FLT. ST		•	0017 - 00104 - 0015
N	4	RMI7 - RM 20	0508-00604-0300	- WASHER # 4 EXT. 8		-	0017 - 00104 - 0071
	2	RM21, RM22	0508-00604-1000				
	1	VRI	0508-00604-1500	GALAGA CPU PCB	I	A080-91404-c508	A080 - 91404 - 8508
		DI	0506-00601-0100				
		10	0508-00802-0200				
		02	0508-00802-0100				
		Q 5	0508-00802-0300				
			0066-005CX-XAPX				
		16 2L 16 4D	0066-006CX-XAPX				
		162E,2H,2J	0066-007CX-XAPX				
		104H	0066-008CX-XAPX				
		IC 6 M	0066-009CX-XAPX				
		IC3A	0508-00803-5300				
		103P.40	0508-00803-0700				
		IC 2A , 2B	0508-00803-4100				
		ICIA, 58	0508-00805-4200				
		IC 6B	0508-00803-4300				
		IC IP . 2P	0508-00803-0900				
		IC 9,6C	05 08 - 00 80 3 - 440 0				
		IC 4 3	0508-00803-5100				
		IC4K, SK	0508-00603-4500				
		IC 2 C	0508-00803-1100				
		IC2D	0508-00803-4600				
		ICIC	0508-00803-4700				
		1C3C	0506-00803-1500				











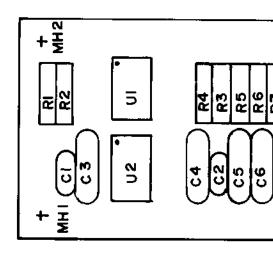
CROSS REFERENCE LIST

	DESCRIPTION	QUANTITY	DESIGNATION	PART #
	OIMF 25VAXCER	5	C3-C7	0508-00800-0800
¥+	.IMF 100V 10% MYLAR	2	CI.C2	0508-00800-2300
┌╸┸	68 OHM1/4 w 5% CRBI	N RES. 2	R6,R8	0062-098B3-1XXX
1	IK a n n n	" 2	R5,R7	9362-179B3-1XXX
	IMEG " " "	" 4	RI-R4	0062-323B3- IXXX
2	LM556	1	UI	0508 - 00803 - 5500
730	7400	1	U2	0508 - 00803 - 5600
	KK.156 CON. (2 -PIN) 2	JI,J2	3000-16335-0200
⊣ ⁴⊔	(6-PIN) 2	J1,J2	3000-16335-0600
₹ 1+	MOUNTING HARDWA	RD		
	SNAP BUSHING 1/4	" 4	MHI-MH4	0017-00042-0014
	RAPID FIRE P.C	ı	A080-91410-A00	00 A080-91410-A000

ASSY MO51-00114-A001

THIS DWG. IS	CONFIDENTIAL & PROPERTY OF MIDWAY MEG. CO.	
AGA	MIDWAY MFG. CO. FRANKLIN PK., IL. 60131 A BALLY CO	
09-30 -81 FULL		REVISIONS
s-1	IRAFID FIRE F.C. I	PART NO A:0:8:2 -9:1:4:1:0 -A:00:0

DESIGNATION	DESCRIPTION
CI.C2 C3-C7	.IMF 100V MYLAR .OIMF 25V AX CER
RI-R4 R5	IMEG OHM 1/4w 5% CRBN RES
R6	68 " " " " "
R7	IK " " " " "
R8	68 " " " " "
UΙ	LM556
U2	7400
JI,J2	KK-156 VERT 2(6-PIN) 2(2-PIN)
MHI-MH4	SNAP BUSHING 1/4"



PROJECT ENG. JERR	SZE
DIM. TOLERANCES	Littles ² L
UNLESS OTHERWISE SPEC	2.50 (a. 31 ₄)
CONCENTRICITY TER 002	7m /
FRACTIONAL ± .1/64	"//
DECIMAL ± 005	AND THE
HOCE DIA + 002 000	
ANGLE ± 1/2°	ELEC THE
DO NOT SCALE DWG	

