

BILL OF MATERIAL				
ITEM NO.	PART NO.	PART DESIGNATION	DESCRIPTION	REQ'D. NO.
1	1B-2001-133-6		BARE P.C. BOARD	1
2	5A-8990	IC 2	8T28 QUAD BUFFER/RECEIVER	1
3	5A-8989	IC 3, IC 4, IC 8	8T97 HEX. TS BUFFER	3
4	5A-9010	IC 6	74154 4 TO 16 DECODER	1
5	5A-9013	IC 7	7404 HEX. INVERTER	1
6	5A-9235	IC 11	74LS10 TRIPLE 3 INPUT NAND	1
7	5A-8973	IC 12	7408 QUAD AND	1
8	5A-9003	IC 13, IC 16	MC6810 RAM	2
9	5A-9246	IC 15	74LS139 DUAL 2 TO 4 LINE DECODER	1
10	5A- ----	IC 17	ROM 2 K X 8 LOWER	1
11	5A-8972	IC 18	MC6821 PIA	1
12	5A-9017	IC 19	CMOS RAM 5101-1	1
13	5A- ----	IC 20	ROM 2 K X 8 UPPER	1
14	5C-9002	IC 23	MC3456/556 DUAL TIMER	1
15	5A-9073	IC 24	7400 QUAD 2 INPUT NAND	1
16	5A-9236	IC 25	4020 CMOS 14 BIT COUNTER	1
17	5A-9237	IC 27	4071 CMOS QUAD 2 INPUT OR	1
18	5A-9247	IC 5	74LS02 QUAD 2 INPUT NOR GATE	1
19	5A-9238	IC 28, IC 29	13 DIP RESISTOR/PACK, 4.7 K OHM	2
20	5A-9239	IC 30, IC 31	15 DIP RESISTOR/PACK, 4.7 K OHM	2
21	5B-9025	DS1, DS2	8 STN. DIP SWITCH	2
22	5A-9018	ZR1	1N5996 ZENER DIODE	1
23	5A-9240	ZR2	1N5990 ZENER DIODE	1
24	5A-8919	D1 THRU D17, D18	1N4148 DIODE, SILICON	19
25	5C-8938	Q1, Q2, Q3, Q6 THRU Q9	2N4401 TRANSISTOR	9
26	5C-9016	Q4, Q5	2N4403 TRANSISTOR	2
27	5A-9020	CR1	CRYSTAL, 3.58 MHz	1
28	5B-8984	R20, R25, R26, R48, R71 THRU R94	RESISTOR, FC, 1K OHM 10% 1/4 W.	28
29	5B-8983	R2, R6, R7, R8, R23, R30	RESISTOR, FC, 3.3 K OHM 10% 1/4 W.	6
30	5B-8991	R4, R13 THRU R19, R33, R34, R41	RESISTOR, FC, 4.7 K OHM 10% 1/4 W.	11
31	5A-9033	R1	RESISTOR, FC, 680 OHM 5% 1/4 W.	1
32	5B-9036	R11, R12, R42	RESISTOR, FC, 100 OHM 10% 1/4 W.	3
33	5B-9113	R22, R40	RESISTOR, FC, 33 K OHM 5% 1/4 W.	2
34	5B-9034	R27, R28,	RESISTOR, FC, 10 K OHM 10% 1/4 W.	2
35	5A-9241	R29, R38, R46, R47	RESISTOR, FC, 22 K OHM 10% 1/4 W.	4
36	5A-8998	R31	RESISTOR, FC, 2.2 K OHM 10% 1/4 W.	1
37	5A-9039	R32	RESISTOR, FC, 10 OHM 10% 1/4 W.	1
38	5A-9242	R37	RESISTOR, FC, 300K OHM 10% 1/4 W.	1
39	5A-8997	R39, R43	RESISTOR, FC, 2.7 K OHM 10% 1/4 W.	2
40	5B-9083	R44, R45	RESISTOR, FC, 470 OHM 10% 1/4 W.	2
41	5A-8980	C1, THRU C21, C30, C33 THRU C37, C63 THRU C67	CAPACITOR, CERAMIC, .01 MFD. 50 V.	28
42	5A-8986	C23	CAPACITOR, ELECT., 100 MFD. 10 V.	1
43	5A-8996	C22, C24	CAPACITOR, CERAMIC, .1 MFD. 50 V.	2
44	5A-9169	C25, C26	CAPACITOR, CERAMIC, 27 PFD. 1K V.	2
45	5A-9243	C27	CAPACITOR, TANT., 10 MFD. 10 V.	1
46	5A-9031	C31	CAPACITOR, TANT., 1 MFD. 25 V.	1
47	5A-9030	C32	CAPACITOR, CERAMIC, .047 MFD. 50 V.	1
48	5A-9065	C38 THRU C62	CAPACITOR, CERAMIC, 470 PFD. 50 V.	25
49	5A-9019	LED1, LED2	LED, RED	2
50	5A-9024	SW1, SW2	SWITCH, SPDT MOMENTARY	2
51	5A-9021		BATTERY HOLDER #171	1
52	5A-9026	1J1	HEADER 09-64-1083	5
53	5A-9028	1J3, 1J4	HEADER 09-65-1041	2
54	5A-9027	1J2, 1J5, 1J6, 1J7	HEADER 09-65-1091	4
55	5A-8985		40 PIN IC SOCKET	1
56	5A-9004		24 PIN IC SOCKET	7
57		J1 THRU J6	WIRE JUMPER 22 GAUGE WIRE WITH INSULATION	6
58		TP1 THRU TP10	TERMINAL #1502-1	10
59	5A-9250	IC 1	MC6808 MICROPROCESSOR	1
60		IC 14	GAME ROM	0
61	5A-9015	IC 21, IC 22, IC 26	PROM 512 X 8 7641/6341	2/3
62	5A-9022	B1, B2, B3	BATTERY, ALKALINE, 1.5 V.	3
63	5701-09390	E 1, E 2	16 PIN IC SOCKET HDR.	1
64	5A-9266	D18	1N5817 DIODE	1
65	5A-9086	R 95	RESISTOR, 6.8K OHM 10% 1/4 W	1

* WHEN USED IC14 REPLACES IC21, IC22 AND IC26