

## KIM-1 Parts List

Item	Part	Qty	Description
1.	U1	1	6502 Microprocessor
2.	U2	2	6532 RAM I/O Chip
3.	U5 through U12	8	2102 1024x1 Static RAM
4.	U18 through U23	6	7 Segment Red LED Display
5.	U25	1	556 Timer
6.	U27	1	565 Phase Lock Loop
7.	U28	1	311 Comparator
8.	U4 & U24	2	74LS145 BCD Decoder
9.	U13 & U14	2	74LS125 Tri-State Buffer
10.	U15 & U29	2	74LS00 Quad NAND
11.	U16 & U30	2	74LS04 Hex Inverter
12.	U17	1	74LS06 Hex Inverter O/C
13.	U26	1	74LS38 Quad NAND O/C
14.	CR1,2,3,4 & 8	5	20mA 50V Diode - 1N914
15.	CR5, CR6	2	1A 50V Diode - 1N4001
16.	CR7	1	6.2V 1/2W Zener Diode - 1N4735
17.	Q7	1	NPN Transistor - BC338
18.	Q1 though Q6	6	PNP Transistor - MPSA92
19.	R24 & R25	2	47K 1/4w Resistor
20.	R1,2,3 & 4	4	3.3K 1/4w Resistor
21.	R34 & R50	2	2.2K 1/4w Resistor
22.	R12-R17, R41-R46	12	1.0K 1/4w Resistor
23.	R5, R35, R36, R38-R40	6	560 ohm 1/4w Resistor
24.	R18-R23, R47	7	220 ohm 1/4w Resistor
25.	R33	1	47 ohm 1/4w Resistor
26.	R52	1	5.1M 1/4w Resistor
27.	R51	1	30K 1/4w Resistor
28.	R7 through R11	5	10K 1/4w Resistor
29.	R48 & R49	2	150 ohm 1/2w Resistor
30.	R26 through R32	7	82 ohm 1/4w Resistor
31.	VR1	1	5K Potentiometer
32.	C2, C3, C6	3	.22uf Capacitor
33.	C1, C4	2	1uf Electrolytic Capacitor
34.	C5	1	.33uf Capacitor
35.	C7, C8, C15, C16, C17	5	.1uf Capacitor
36.	C9, C10, C11	3	.0068uf Capacitor
37.	C12	1	.047uf Capacitor
38.	C13	1	.022uf Capacitor
39.	C14	1	.001uf Capacitor
40.	X1	1	1Mhz Crystal
41.	C18	1	10pf Capacitor
42.	R53	1	330K 1/4w Resistor
43.	U31	1	74LS138
44.	U32	1	2816 EEPROM (KIM-1 ROM)
45.		1	KIM-1 PCB
46.		1	KIM-1 Keypad PCB
47.		1	Slide Switch
48.		23	Tactile Switch
49.		23	Switch Cap
50.		4	Nylon Nut
51.		4	Nylon Bolt
52.		4	Nylon Spacer
53.		6	Rubber Pad