

## Component List

<u>IC name</u>	<u>IC number</u>	<u>Quantity:</u>
8 bit register	74199	9
Octal Tristate buffer	74HC244	12
Not gate	7404	20
Dual 4 to 1 mux	74153	8
4 bit full adder	74LS283	2
2 input Xor gate	74HC386	4
2 input And gate	7408	20
3 input And gate	7411	1
2 input Or gate	7432	8
8 input nor gate	74HC4078	1
3 input nor gate	7427	2
3 input nand gate	7410	1
64k Eprom	2764	5
4 bit counter	74161	2
Hex D flip flop	74HC174	1
2 input nor gate	7402	3
16 key encoder	MM74C922	1
Quad D flip flop	74HC173	4
Quad 2 to 1 mux	74157	1
2 input nand gate	7400	1
4 bit counter	74HC163	8
128 k RAM	IS61C1024AL-12JI	1
Quad 2 to 1 mux	74HC157	6
Octal Tristate buffer	74S244	3
64kb Eprom	27C512	1
4 input nand gate	7413	2
2 input nand gate	74S00	1
4 bit up/down counter	74191	4
Dual D flipflop	7474	6
Timer	555	1
Potentiometer	100k	1
Resistance	1k, 3.3k, 6.8k	3
Capacitor	1uf, .01uf , .0067uf	4

**Total 147 Components**