

Super Elf Packing List

Circuit Board

<u>Qty</u>	<u>Part</u>	<u>Location</u>
<input type="checkbox"/>	1 Super Elf Reproduction Circuit Board	

Common Parts

<u>Qty</u>	<u>Part</u>	<u>Location</u>	<u>Qty</u>	<u>Part</u>	<u>Location</u>
<input type="checkbox"/>	18 Socket 14-Pin 0.3 inch		<input type="checkbox"/>	17 Diode 1N4001 Silicon	D 2-17, 19
<input type="checkbox"/>	19 Socket 16-Pin 0.3 inch		<input type="checkbox"/>	9 LED Red T-1 3/4 Diffused	
<input type="checkbox"/>	1 Socket 20-Pin 0.3 inch		<input type="checkbox"/>	6 LED 7-Segment 0.6 inch	
<input type="checkbox"/>	2 Socket 22-Pin 0.4 inch		<input type="checkbox"/>	1 Capacitor 220pF Ceramic	C 4
<input type="checkbox"/>	4 Socket 24-Pin 0.6 inch		<input type="checkbox"/>	8 Capacitor 0.1uF Monolithic	C 3, 5, 7, 9-11, 19-20
<input type="checkbox"/>	1 Socket 40-Pin 0.6 inch		<input type="checkbox"/>	2 Capacitor 1.0uF Tantalum	C 17-18
<input type="checkbox"/>	1 IC 74LS00 Quad NAND	U 2	<input type="checkbox"/>	2 Capacitor 2.2uF Tantalum	C 6, 8
<input type="checkbox"/>	1 IC 74LS74 Dual Flip-flop	U 1	<input type="checkbox"/>	5 Capacitor 10uF Tantalum	C 12-16
<input type="checkbox"/>	1 IC 74C175 Quad Latch	U 15	<input type="checkbox"/>	2 Capacitor 1000uf Electrolytic	C 1-2
<input type="checkbox"/>	3 IC CD4001 Quad NOR	U 9, 24, 26	<input type="checkbox"/>	1 Resistor 30 1/4W Carbon	R 3
<input type="checkbox"/>	2 IC CD4011 Quad NAND	U 5, 43	<input type="checkbox"/>	1 Resistor 100 1/2W Carbon	R 1
<input type="checkbox"/>	5 IC CD4013 Dual Flip-flop	U 7-8, 10, 12, 16	<input type="checkbox"/>	1 Resistor 100 1/4W Carbon	R 4
<input type="checkbox"/>	2 IC CD4016 Quad Switch	U 14, 20	<input type="checkbox"/>	1 Resistor 200 1/4W Carbon	R 2
<input type="checkbox"/>	1 IC CD4023 Triple NAND	U 38	<input type="checkbox"/>	2 Resistor 330 1/4W Carbon	R 15-16
<input type="checkbox"/>	1 IC CD4028 BCD Decoder	U 3	<input type="checkbox"/>	1 Resistor 1K 1/4W Carbon	R 10
<input type="checkbox"/>	2 IC CD4042 Quad Latch	U 17-18	<input type="checkbox"/>	1 Resistor 2K 1/4W Carbon	R 11
<input type="checkbox"/>	4 IC CD4049 Hex Inverter	U 28-29, 36, 41	<input type="checkbox"/>	14 Resistor 4.7K 1/4W Carbon	R 6-8, 12-13, 19-27
<input type="checkbox"/>	4 IC CD4050 Hex Buffer	U 13, 22-23, 35	<input type="checkbox"/>	3 Resistor 10K 1/4W Carbon	R 5, 9, 14
<input type="checkbox"/>	2 IC CD4071 Quad OR	U 4, 11	<input type="checkbox"/>	1 Resistor 22K 1/4W Carbon	R 18
<input type="checkbox"/>	1 IC CD4093 Quad NAND	U 21	<input type="checkbox"/>	1 Resistor 1M 1/4W Carbon	R 17
<input type="checkbox"/>	3 Regulator LM2940 5V LDO	U 33, 39, 44	<input type="checkbox"/>	1 Crystal 3.579545 Mhz	X 1
<input type="checkbox"/>	2 Transistor 2N2222A	Q 1-2	<input type="checkbox"/>	24 Cherry MX PCB Key Switch	
<input type="checkbox"/>	1 Diode 1N270 Germanium	D 1	<input type="checkbox"/>	24 Key Caps SA Profile Custom	
<input type="checkbox"/>	1 Diode 1N914 Switching	D 18	<input type="checkbox"/>	2 Heatsink for TO-220	

Hard-to-find Parts

<u>Qty</u>	<u>Part</u>	<u>Location</u>
<input type="checkbox"/>	1 IC CDP1802 Microprocessor	U 6
<input type="checkbox"/>	1 IC 74C923 Keypad Encoder	U 25
<input type="checkbox"/>	1 IC 82S123 Monitor PROM	U 32
<input type="checkbox"/>	6 IC DM9368 Display Driver	U 31, 34, 37, 40, 42, 45
<input type="checkbox"/>	2 IC P2101 256x4 Bits RAM	U 27, 30

Impossible-to-find Parts

<u>Qty</u>	<u>Part</u>	<u>Location</u>
<input type="checkbox"/>	1 IC CDP1861 Video Graphics	U19