

Launcher Bill of materials

qty	pg	part no	description (brief)	unit price	total price
0	172	Q4004L3-ND	4Amp 400V Isolated tab Triac	\$ 1.94	\$ -
3	61	CJ108P-ND	8 contact cinch Jones plug	\$ 3.85	\$ 11.55
3	61	CJ308S-ND	8 contact cinch Jone socket	\$ 2.95	\$ 8.85
3	309	EG1954-ND	6 position rotary switch solder lugs	\$ 4.16	\$ 12.48
1	309	EG1958-ND	3 position rotary switch solder lugs	\$ 4.16	\$ 4.16
3	346	CBB212-ND	12 posions barrier block	\$ 4.23	\$ 12.69
25	346	CBB004-ND	connector	\$ 0.66	\$ 12.50
1	338	W125-100-ND	7 Conductor wire	\$ 24.26	\$ 24.26
1	117	CD4001BE-ND	quad 2 inp NOR	\$ 0.42	\$ 0.42
1	117	CD4017BE-ND	Decade Counter divider	\$ 1.02	\$ 1.02
1	117	CD4020BE-ND	14 stage binary counter	\$ 0.99	\$ 0.99
1	118	CD4071BE-ND	Quad 2 inp OR	\$ 0.45	\$ 0.45
1	117	CD4081BE-ND	Quad 2 inp AND	\$ 0.45	\$ 0.45
1	118	LM78L05ACZ-ND	5v 100ma regulator	\$ 0.70	\$ 0.70
1	134	DS2003CN-ND	Darlington driver	\$ 1.40	\$ 1.40
1	262	P9928-ND	Piezo Buzzer	\$ 8.32	\$ 8.32
1	156	1N5401GICT-ND	Diode 3A, 100 V	\$ 0.53	\$ 0.53
0	175	IRLZ24N-ND	N channel HEXFET	\$ 1.44	\$ -
1	175	IRLZ34N-ND	N channel HEXFET	\$ 2.21	\$ 2.21
2		P300-ND	10 Red T 1 3/4 LED	\$ 1.96	\$ 3.92
100	265		1K Resistor	\$ 0.02	\$ 1.50
1			10K resistor	\$ 0.02	\$ 0.02
5	247		0.1 uF capacitor	\$ 0.18	\$ 0.90
1	120	LM555Cn-ND	ic timer	\$ 0.81	\$ 0.81
1	306	CK1019-ND	Toggle Switch	\$ 4.62	\$ 4.62
1			Push button	\$ 0.77	\$ 0.77
Digikey Total					\$ 115.52
2	276-168		PC board	\$ 2.49	\$ 4.98
3	270-380		PK 12 mini clips	\$ 2.29	\$ 6.87
1	274-416		PK 4 1 in knobs	\$ 2.29	\$ 2.29
1	278-1636		Strain Reliefs	\$ 0.99	\$ 0.99
1	270-342		HD Battery Clips	\$ 3.59	\$ 3.59
Radio Shack Total					\$ 18.72
40	feet		18 awg zip cord	\$ 0.18	\$ 7.20
1			door bell button	\$ 2.99	\$ 2.99
20	feet		Low Voltage Cable	\$ 0.26	\$ 5.20
Orchard Supply total					\$ 15.39
1	Haltec Surplus		Used Equipment case	\$ 15.00	\$ 15.00
Grand total					\$ 164.63
<b>Lead lengths</b>					
6	16 inch leads		center pads		
6	24 inch leads		pads 2 and 4		
6	32 inch leads		outer pads		