

Line	Description	Notes	Part Ref	QTY	RS		DigiKey		Rapid		Line Totals		
					number	cost each	number	cost each	number	cost each	RS	Digikey	Rapid
1	Main CPU (ATMega32-16PU)		IC1	1	628-1491	£ 5.15	ATMEGA32-16PU-ND	£ 6.01	73-4282	£ 3.75	£ 5.15	£ 6.01	£ 3.75
2	Opto-isolator (6N137)		OK1	1	625-7909	£ 0.67	6N137QT-ND	£ 0.81	58-0598	£ 0.65		£ 0.81	£ 0.65
3	EEPROM (24LC512-I/P)	RS part has MOQ of 2	IC3	1	454-191	£ 1.46	n/a	n/a	n/a	n/a			n/a
4	16Mhz Oscillator Module	RS part has MOQ of 5	OG1	1	547-6913	£ 1.37	X216-ND	£ 1.55	90-0975	£ 0.95		£ 1.55	£ 0.95
5	5V Regulator	RS part has MOQ of 20	IC2	1	463-054	£ 0.18	LM7805CT-ND	£ 0.33	47-3313	£ 0.31		£ 0.33	£ 0.31
6	7 segment display (HDSP7501)		DISP0, DISP1, DISP2, DISP3	4	171-1414	£ 1.01	160-1571-5-ND	£ 0.49	57-0140	£ 0.69	£ 4.04	£ 1.96	£ 2.76
7	10K Pot (Alps RK09K113)		POT0 - POT7	8	263-3034	£ 0.56	n/a	n/a	n/a	n/a	£ 4.48		
8	Switch with LED (MEC 3FTL680)		SW0 - SW7, SW 11	9	495-4636	£ 2.15	n/a	n/a	78-1722	£ 2.05	£ 19.35		£ 18.45
9	Switch no LED (MEC 3FTL6 series)		SW8, SW9, SW10	3	495-4614	£ 0.97	n/a	n/a	78-0655	£ 0.95	£ 2.91		£ 2.85
9	Switch Cap (windowed, MEC 1E031)	RS part has MOQ of 10	SW0 - SW7, SW 11	9	495-2545	£ 0.48	n/a	n/a	78-1726	£ 0.52	£ 4.36		£ 4.68
10	Switch Cap (Non windowed, MEC 1D03)	RS part has MOQ of 10	SW8, SW9, SW10	3	495-4670	£ 0.22	n/a	n/a	78-0670	£ 0.19	£ 0.67		£ 0.57
11	10uF 16v, 2.54mm pitch, 4mm diameter		C1	1					11-0825	£ 0.04	£ 0.00	£ 0.00	£ 0.04
12	1n4148 diode		D1, D2	2					47-3308	£ 0.01	£ 0.00	£ 0.00	£ 0.02
13	220R resistor		R1 - R7, R12, R19, R20	10					63-1094	£ 0.20	£ 0.00	£ 0.00	£ 2.00
14	150R resistor		R8 - R11	4					63-1060	£ 0.20	£ 0.00	£ 0.00	£ 0.80
15	10K resistor		R13 - R17, R21	6					63-1448	£ 0.20	£ 0.00	£ 0.00	£ 1.20
16	1K5 resistor		R18	1					63-1270	£ 0.20	£ 0.00	£ 0.00	£ 0.20
17	3mm red LEDs		LED1 - LED8	8					55-0102	£ 0.05	£ 0.00	£ 0.00	£ 0.36
18	5 Pin 180degree, DIN socket		X1, X2	2					20-0550	£ 0.19	£ 0.00	£ 0.00	£ 0.38
19	PCB	vailble from VacoLoco.net		1		£ 6.00					£ 6.00	£ 6.00	£ 6.00

Supplier total **£ 46.95** **£ 16.66** **£ 45.97**