

Bill Of Materials

1: Control Circuit 2: LED Circuit

Category	Quantity	References	Value	Unit Cost	Supplier	Farnell Code	Nº Circuit
Capacitors	2	C1,C3	100nF	0,03 €	Farnell	2395773	1
Capacitors	1	C2	10uF	0,22 €	Farnell	8766754	1
Resistors	3	R1	10k	0,03 €	Farnell	2329609	1
Resistors	5	R4-R6	1M	0,05 €	Farnell	2329490	1+2
Resistors	1	R7-R8	56	0,03 €	Farnell	2329540	1
Resistors	8	R1-R8	100	0,04 €	Farnell	2329607	2
Resistors	8	R10-R13,R15-R18	330	0,03 €	Farnell	2329514	2
Integrated Circuits	1	U1	PIC18LF14K50	2,72 €	RS	666-9220	1
Integrated Circuits	1	U3	LD1117V33	0,48 €	Farnell	9755837	1
Transistors	3	Q1,Q2,Q1	FQP2N60C	0,69 €	Farnell	2453387	1+2
Diodes	1	D1	LED-RED (3x3 mm)	0,11 €	Farnell	2426247	1
Diodes	1	D2	LED-GREEN (3x3 mm)	0,11 €	Farnell	2426244	1
Diodes	1	D3	LED-ORANGE (3x3 mm)	0,11 €	Farnell	2426246	1
Diodes	1	D4	LED-YELLOW (3x3 mm)	0,10 €	Farnell	2426248	1
Diodes	8	D1-D8	LED-RED	0,11 €	Farnell	2335725	2
Diodes	8	D10-D13,D15-D18	LED-BLUE	0,25 €	Farnell	1855508	2
Miscellaneous	1	J1	Socket SIL 6 (PicKit3) Male	0,48 €	RS	701-9783	1
Miscellaneous	1	J2	Socket SIL 4 (LED Vcc/GND) Female	0,23 €	Farnell	1098455	1
Miscellaneous	1	J2-additional	Socket SIL 4 (LED Vcc/GND) Male	0,22 €	Farnell	588738	1
Miscellaneous	1	J3-additional	Socket SIL 2 (Power) Female	0,23 €	Farnell	1098455	1
Miscellaneous	1	J3	Socket SIL 2 (Power) Male	0,17 €	Farnell	1756797	1
Miscellaneous	1	J4	Socket SIL 3 (Servo) Male	0,76 €	Farnell	1841376	1
Miscellaneous	1	U1-additional	IC Socket DIP 20 0.1"	0,15 €	Farnell	4285608	1
Miscellaneous	2		Keystone 2478	1,59 €	Farnell	1650685	1
Miscellaneous	1	X1	AB26T-32.768KHZ CRYSTAL	0,17 €	Farnell	2467704	1
Miscellaneous	1	SERVO	Tinkerkit Arduino Analog Servo	9,31 €	Farnell	2075365	1
Miscellaneous	2	SW2-SW3	Panasonic EVQ-PF008K	0,33 €	Farnell	2079510	1

Totals

Category	Quantity	Unit Cost
Capacitors	3	0,28 €
Resistors	25	0,93 €
Integrated Circuits	2	3,20 €
Transistors	3	2,06 €
Diodes	20	3,31 €
Miscellaneous	13	15,55 €
Total	66	25,33 €