Parts List for **Servo Crossing Switch**; PCB: rev A 10/2015; Schematic: v1.0

Farnell No	Item	£each	Description *sm=surface mount, th=through hole*
1548439	PIC12F519	0.48	sm SOIC 8 pin Microchip MCU.
2322476	BAT54XV2	0.03	sm 0805 Schottky, Vr=30V If=0.2A Vf=0.3V; VDD isolation
8150206	TS4148RY	0.04	sm 0805 Diode, Vr=100V If=0.15A Vf=0.7V; relay flyback
2099236	LED red	0.05	sm 0805 LED
1135071	cap 10uF 6.3V	0.28	sm 0805 Tantalum capacitor; VDD decoupling
2447595	res 1K8 0.125W	0.002	sm 0805 resistor; LED dropper
1217303	Screw terminal	0.38	th 3.5mm pitch 3 way screw terminal
1822166	Header strip	0.36	th 0.1" pitch 36 way, cut as 3 pin + 5 pin
2360823	Relay DIL	1.65	th 0.1" pitch DIL; coil 5V 178 ohm; contacts 2A DPDT
ITEAD	PCB (2cm x 5cm)	0.34	batch of 50 from 10 panel(5cm x 10cm) 5 per panel for $25
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D.Harris 13-Dec-2015   3.60 total *Excluding tax,* £4.32 inclusive of 20% tax.