

Quad Block Occupancy Detector Version 3 Parts List

Digi-Key catalogue numbers are provided for each part.

Circuits4Tracks can supply individual parts where needed. Send an email to circuits@daxack.ca for information.

Part Number	Description	Digi-Key Number
D1 - D16	1N5401 rectifier diodes	1N5401-TPCT-ND
Q1 - Q4	2N3904 NPN transistors	2N3904FS-ND
R1, R3, R5, R7	10 ohm, 1/4 watt resistors	CF14JT10R0CT-ND
R2, R4, R6, R8	2700 ohm, 1/4 watt resistors	CF14JT2K70CT-ND
U1 - U4	MCT6 opto-coupler	MCT6-ND
C1 - C4	33 μ F, 35 V electrolytic capacitors *	565-1569-ND
LED1 - LED4	3mm indicator LEDs	25-1182-ND
X1	2-position screw terminals	A97996-ND
	4-position screw terminals	A97998-ND
X2	6-pin SIP header ‡	ED7206-ND

* Lower voltage capacitor may be used if driving a lower voltage circuit

‡ SIP headers with more pins may be cut to size, and are often more economical