

Grade Crossing Controller Version 1 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
C1	33 μ F, 35 volt electrolytic capacitor	565-1569-ND
C2	100 nF, 10 volt or greater capacitor	BC2665TB-ND
D1, D2*	1N4148 diode	1N4148TATB-ND
JP1	1x2 header †	609-3287-ND
K1*	DPDT relay, 5 volt/40 mA coil, 2 Form C	PB1121-ND
U1	PIC16F753P microcontroller	PIC16F753-I/P-ND
VR1	78L05Z regulator	AS78L05ZTR-E1DICT-ND
X1, X2	1x6 header †	609-3287-ND
X3, X4, X5*	2-position screw terminals	A97996-ND
X6	6-position screw terminal (3 2-terminal)	A97996-ND

* Part only used with stall-motor outputs

† Digikey part has 16 positions; 2-position and 6-position headers may be cut from it