

photoDiode_MDversion1.3

Reference(s)	Value	LibPart	Footprint	Article number
C1	0.1uF	Device:C	Capacitors_SMD:C_0805	Farnell 2673150
C2	180p	Device:C	Capacitors_SMD:C_0805	Farnell 1759207
C3	1.5uF	Device:C	Capacitors_SMD:C_0805	Farnell 1759410
C4	47uF	Device:C	Capacitors_SMD:C_0805	Farnell 2362109
C5	1u	Device:C	Capacitors_SMD:C_0805	Farnell 9227792
D1	BPW21	Sensor_Optical:BPW21	Package_TO_SOT_THT:TO-5-2_Window	BPW21R
D2	1N4148	Device:D	Diodes_SMD:D_SOD-123	Farnell 1776392
J1	Conn_01x03	Connector_Generic:Conn_01x03	Connector_Molex:Molex_Pico-Clasp_501331-0307_	Farnell 1835977
L1	Ferrite_Bead	Device:Ferrite_Bead	Inductor_SMD:L_0805_2012Metric	Farnell 1515647
R1	1000k	Device:R	Resistor_SMD:R_0805_2012Metric	Farnell 2502674
R2	10k	Device:R	Resistor_SMD:R_0805_2012Metric	Farnell 2303654
R3	33k	Device:R	Resistor_SMD:R_0805_2012Metric	Farnell 2861540
R4	18k	Device:R	Resistor_SMD:R_0805_2012Metric	Farnell 2303679
R5	18k	Device:R	Resistor_SMD:R_0805_2012Metric	Farnell 2303679
R6	5k	Device:R	Resistor_SMD:R_0805_2012Metric	Farnell 2616759
U1	Opamp_Dual_Generic	Device:Opamp_Dual_Generic	Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm	595-OPA2140AID
U2	EMIshield	photoDiode_MDversion1.3-rescue:EM	EMIshield:Laird-BMI-S-202-F	Farnell 2497717