

Parts required to build the optical detector board.

NOTE:

This is a hobby. I'm doing this for fun in my spare time. There WILL be mistakes.

Most parts are standard thru-hole parts. Nothing special.

I have included Digikey part numbers for some of the more specialized parts.

Be aware, I am doing you a favor. I may have typed a number wrong, Digikey may no longer have the part, or there may be a better choice. The numbers I give you here should work, but use your brain. Look at the listing and see if it makes sense. If you find a mistake, let me know.

C1	10uF
C2	10uF
C3	.1uF
C4	33uF
C5	2.2uF
C6	.1uF
C7	.01uF
C8	47pF
C9	.1uF
C10	.1uF
C11	.1uF
C12	330 pF
D1	BPW-34 optical detector diode Digikey 751-1015-ND
D2	1N4148
D3	1N4148
D4	1N4007
F1	resetable fuse surface mount Digikey part F2111CT -ND
Q1	BF862 surface mount FET mount with gate sticking the air Digikey 568-1968-ND
Q2	MPS-A18 thru hole NPN Digikey part MPSA18-ND
Q3	MPS-A18
R1	100k
R2	220k
R3	47k
R4	10
R5	120
R6	15k
R7	47k
R8	47k
R9	2k
R10	330k
R11	10k
R12	10k
R13	big value as required
R14	47K
Radj	15k
U1	TL072 8 pin DIP Digikey part 296-1775-5-ND