

## DIY LED Flasher Module 1 Amp Components BOM

10-09-19

R4.33a

Board: V4.33 LED Flasher Module 1 Amp

Build Quantity:

5

w/ Domestic Parts

Item	Ref	Value-Rating	Part No.	Manufacturer	Pattern/Style	Source	No. Rqd. per ass'y	USD Unit \$	USD Total \$	Ordered	Rcv'd
1	C2/C3	10uF 35V	ECE-A1VKA100I	Panasonic	CAPPR-2.5/5h10	Digi-Key	2	\$0.06	\$0.56		
2	D1/D2	1A 100V	1N4002	ON Semi	DO-41	Digi-Key	2	\$0.20	\$2.00		
3	R1/R2	2 K 1/4W	CF14JT202R	Stackpole	RES-7.62/x1.5	Digi-Key	2	\$0.12	\$1.15		
4	R3/R4	150 K 1/4W	CF14JT154R	Stackpole	RES-7.62/x1.5	Digi-Key	2	\$0.12	\$1.15		
5	Q1/Q2	S8050	SS8050DBU-ND	ON Semi	TO-92	Digi-Key	2	\$0.36	\$3.63		
6	Q3/Q4	49Amp	IRFZ44NPBF	Infineon	TO-220AB	Digi-Key	2	\$1.25	\$12.46		
7	PCB	WB88dQFo	Custom R4.33	OSH Park	1.6mm 2 oz. Cu	OSH Park	1	\$2.83	\$14.15		
8	J1/J2/J3	.1" 2 pin Screw	Terminal KF128	Generic	113232414835	ebay-Asia	3	\$0.13	\$1.98		
<b>Total</b>									<b>\$37.08</b>		
Unit Cost \$									<b>\$7.42</b>		

Board: V4.33 LED Flasher Module 1 Amp

Build Quantity:

5

w/ Offshore Parts

Item	Ref	Value-Rating	Part No.	Manufacturer	Pattern/Style	Source	No. Rqd. per ass'y	USD Unit \$	USD Total \$	Ordered	Rcv'd
1	C2/C3	10uF 35V	Electrolytic cap	Generic	CAPPR-2.5/5h10	ebay-Asia	2	\$0.05	\$0.50		
2	D1/D2	1A 100V	1N4002	Generic	DO-41	ebay-Asia	2	\$0.04	\$0.40		
3	R1/R2	2 K 1/4W	Metal film 1%	Generic	RES-7.62/x1.5	ebay-Asia	2	\$0.01	\$0.12		
4	R3/R4	150 K 1/4W	Metal film 1%	Generic	RES-7.62/x1.5	ebay-Asia	2	\$0.01	\$0.12		
5	Q1/Q2	S8050	NPN transistor	Generic	TO-92	ebay-Asia	2	\$0.03	\$0.25		
6	Q3/Q4	49Amp 100V	IRFZ44N/IRF540		TO-220AB	ebay-Asia	2	\$0.25	\$2.54		
7	PCB	2746563A	Custom V4.33	JLPCB	1.6mm 1 oz. Cu	JLC-Asia	1	\$0.87	\$4.35		
8	J1/J2/J3	.1" 2 pin Screw	Terminal KF128	Generic	2.54 pitch	ebay-Asia	3	\$0.13	\$1.98		
<b>Total</b>									<b>\$10.26</b>		
Unit Cost \$									<b>\$2.05</b>		