



August 16, 2019

Version 1.4C

BOM v3

POWER SUPPLY UNIT - Parts list

These are the necessary parts needed to build our PSU.

If you wish, you can order them directly at Mouser Eletronics here:

<https://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=0c9e76f350>

You can get the PCB and panel here:

<https://uncprop.com/product/familytool-psu/>

QTY	VALUE	DEVICE	DESIGNATOR	DESCRIPTION	MOUSER PART NO.
1	2k2	RESISTOR	R1, R3	RESISTOR 250 mW (1/4 W)	291-2.2K-RC
1	680	RESISTOR	R2	RESISTOR 250 mW (1/4 W)	291-680-RC
1	47k(selected on test)	RESISTOR	R4	RESISTOR 250 mW (1/4 W)	291-47K-RC
2	SB540A	DIODE	D1, D2	DIODE	625-SB540A-E3
3		LED	+5, -12, +12	RED	604-WP710A10ID
1	MC7805ACTG	REGULATOR	IC1	5V Regulator	863-MC7805ACTG
1	UEI15-120-Q12P-C	DC-DC Converter	DC-DC	DC-DC 12V Out 1.3A	580-UEI15-120-Q12P-C
4	3-640468-2*	HEADER	-	MTA-100 HEADER FEMALE	571-3-640468-2
2	640456-2*	HEADER	IN, OUT	MTA-100 HEADER MALE	571-6404562
3	30316-6002HB	HEADER	EURO_1-EURO_3	EUROPLUG	517-30316-6002
1		JACK	J2	DC JACK 1.2mm	163-7620E-E

*negligible when used as standalone / only used when powered by DFAM/Mother-32

HAVE FUN BUILDING!



Uncertain Proportions

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