MCP73871 Battery Management Breakout Board v1.0

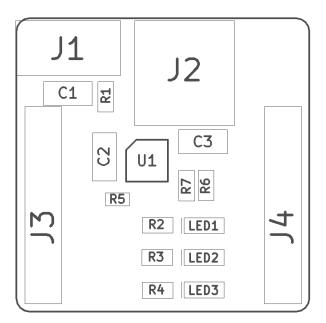
Breakout board for a load-sharing battery/power control chip.

Bill of Materials

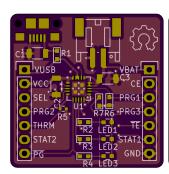
Ref	Qty	Description	Digikey PN
C1 C2 C3	3	CAP CER 4.7UF 50V X7R 1206	587-2994-1-ND
J1	1	USB MICRO-B RECEPTACLE 5PIN SMT R/A STUDS	609-4616-1-ND
J2	1	CONN HEADER PH SIDE 2POS 2MM	455-1719-ND
J3 J4	2	HEADER FEMALE 7POS TH 1x07 0.1IN	952-1905-ND
LED1 LED2 LED3	3	LED AMBER DIFFUSED 0603 SMD	475-2712-1-ND
R1	1	RES SMD 0.0 OHM JUMPER 1/8W 0603	MCT0603-0.0-ZZCT-ND
R2 R3 R4	3	RES SMD 470 OHM $5\% \ 1/4W \ 0603$	RHM470DCT-ND
R5	1	NTC THERMISTOR 10K OHM 1% 0402	445-2550-1-ND
R6	1	RES SMD 2K OHM 1% 1/8W 0603	RNCP0603FTD2K00CT-ND
R7	1	RES SMD 100K OHM 1% 1/10W 0603	RMCF0603FG100KCT-ND
U1	1	IC USB/AC BATT CHRGR MCP73871 20QFN	${\rm MCP73871T\text{-}2CCI/MLCT\text{-}ND}$

Ref	Qty	Description	Adafruit PN
B1	1	Lithium Ion Polymer Battery - 3.7v 500mAh	1578

Assembly Info for Quoting



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