

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	MCP73871T-2CCI/MLCT-ND

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

Assembly Info for Quoting



