

STNS01 Battery Management Breakout Board v1.0

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

Description.

Bill of Materials

| Ref | Qty | Description | Digikey PN |
|----------|-----|-----------------------------------------|-----------------------|
| C1 C3 C4 | 3 | CAP CER 2.2UF 10V X7R 0603 | 490-4520-1-ND |
| C2 | 1 | CAP CER 4.7UF 6.3V X7R 0603 | 1276-2087-1-ND |
| J1 | 1 | USB MICRO-B CONN 5PIN SMT STUDS | 609-4616-1-ND |
| J2 | 1 | CONN HEADER PH SIDE 2POS 2MM | 455-1719-ND |
| J3 J4 | 2 | HEADER MALE 7POS TH 1x07 0.1IN | 952-1902-ND |
| LED1 | 1 | LED RED DIFFUSED 0603 SMD | 516-3074-1-ND |
| R1 | 1 | RES SMD 0.0 OHM JUMPER 1/8W 0603 | MCT0603-0.0-ZZCT-ND |
| R2 R5 R6 | 3 | RES SMD 10K OHM 1% 1/8W 0603 | RNCP0603FTD10K0CT-ND |
| R3 | 1 | NTC THERMISTOR 10K OHM 5% 0603 | 445-174327-1-ND |
| R4 | 1 | RES SMD 604 OHM 1% 1/10W 0603 | P604HCT-ND |
| S2 | 1 | SWITCH SLIDE SPDT 200MA 30V | EG1903-ND |
| U1 | 1 | IC LI-ION BATT CHARGER LDO STNS01 DFN12 | 497-13880-1-ND |
| U2 | 1 | IC REG LDO 3.3V 0.3A SOT23-3 | AP7333-33SAG-7DICT-ND |

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

Assembly Info for Quoting



