

Variant: 001  
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TIDA-00556 REV E2 Bill of Materials

| Item # | Designator             | Quantity | Value  | PartNumber       | Manufacturer                            | Description  | PackageReference           |
|--------|------------------------|----------|--------|------------------|---|--|----------------------------|
| 1      | IPCB                   | 1        |        | TIDA-00556       | Any                                     | Printed Circuit Board  |                            |
| 2      | BT1                    | 1        |        | BAT-HLD-001      | Linx Technologies                       | Battery Holder, Retainer clip, SMT                             | 22.9x4.2x15.5mm            |
| 3      | C1                     | 1        | 1uF    | CL03A105MP3NSNC  | Samsung Electro-Mechanics               | CAP, CERM, 1 µF, 10 V, +/- 20%, X5R, 0201                      | 0201                       |
| 4      | D1, D2                 | 2        | Green  | 150060VS75000    | Würth Elektronik                        | LED, Green, SMD  | LED_0603                   |
| 5      | H1, H2, H3, H4         | 4        |        | SJ-5303 (CLEAR)  | 3M                                      | Bumpon, Hemisphere, 0.44 X0.20, Clear                          | Transparent Bumpon         |
| 6      | J1                     | 1        |        | 105017-0001      | Molex                                   | Connector, Receptacle, Micro-USB Type B, R/A, Bottom Mount SMT | Micro USB receptacle       |
| 7      | J2                     | 1        |        | 61300311121      | Würth Elektronik                        | Header, 2.54 mm, 3x1, Gold, TH                                 | Header, 2.54mm, 3x1, TH    |
| 8      | Q1                     | 1        | 100V   | BSS123           | Fairchild Semiconductor                 | MOSFET, N-CH, 100 V, 0.17 A, SOT-23                            | SOT-23                     |
| 9      | Q2                     | 1        | -12V   | CSD23382F4       | Texas Instruments                       | MOSFET, P-CH, -12 V, -3.5 A,                                   |                            |
| 10     | R1, R2                 | 2        | 220    | CRCW0603220RJNEA | Vishay-Dale                             | RES, 220, 5%, 0.1 W, 0603                                      | 0603                       |
| 11     | RPD                    | 1        | 100    | CRCW0603100RJNEA | Vishay-Dale                             | RES, 100, 5%, 0.1 W, 0603                                      | 0603                       |
| 12     | RPD_S1                 | 1        | 10k    | RC1608J103CS     | Samsung Electro-Mechanics               | RES, 10 k, 5%, 0.1 W, 0603                                     | 0603                       |
| 13     | RPROT                  | 1        | 1.0k   | CRCW04021K00JNED | Vishay-Dale                             | RES, 1.0 k, 5%, 0.063 W, 0402                                  | 0402                       |
| 14     | RPU                    | 1        | 2k     | RC0603F202CS     | Samsung Electro-Mechanics America, Inc. | RES, 2 k, 1%, 0.05 W, 0201                                     | 0201                       |
| 15     | S1, S2                 | 2        |        | SKRKAEE010       | Alps                                    | Switch, Push Button, SMD                                       | 2.9x2x3.9mm SMD            |
| 16     | SH-J2                  | 1        | 1x2    | 969102-0000-DA   | 3M                                      | Shunt, 100mil, Gold plated, Black                              | Shunt                      |
| 17     | TP1+, TP2+             | 2        | Red    | 5000             | Keystone                                | Test Point, Miniature, Red, TH                                 | Red Miniature Testpoint    |
| 18     | TP1-, TP2-, TP3-, TP4- | 4        | Black  | 5001             | Keystone                                | Test Point, Miniature, Black, TH                               | Black Miniature Testpoint  |
| 19     | TP3+, TP4+             | 2        | Yellow | 5004             | Keystone                                | Test Point, Miniature, Yellow, TH                              | Yellow Miniature Testpoint |
| 20     | U1, U2, U3             | 3        |        | TPS22915BYFP     | Texas Instruments                       | Single Channel Ultra-Low Resistnace Load Switch, YFP0004AAAA   | YFP0004AAAA                |
| 21     | FID1, FID2, FID3       | 0        |        | N/A              | N/A                                     | Fiducial mark. There is nothing to buy or mount.               | Fiducial                   |

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