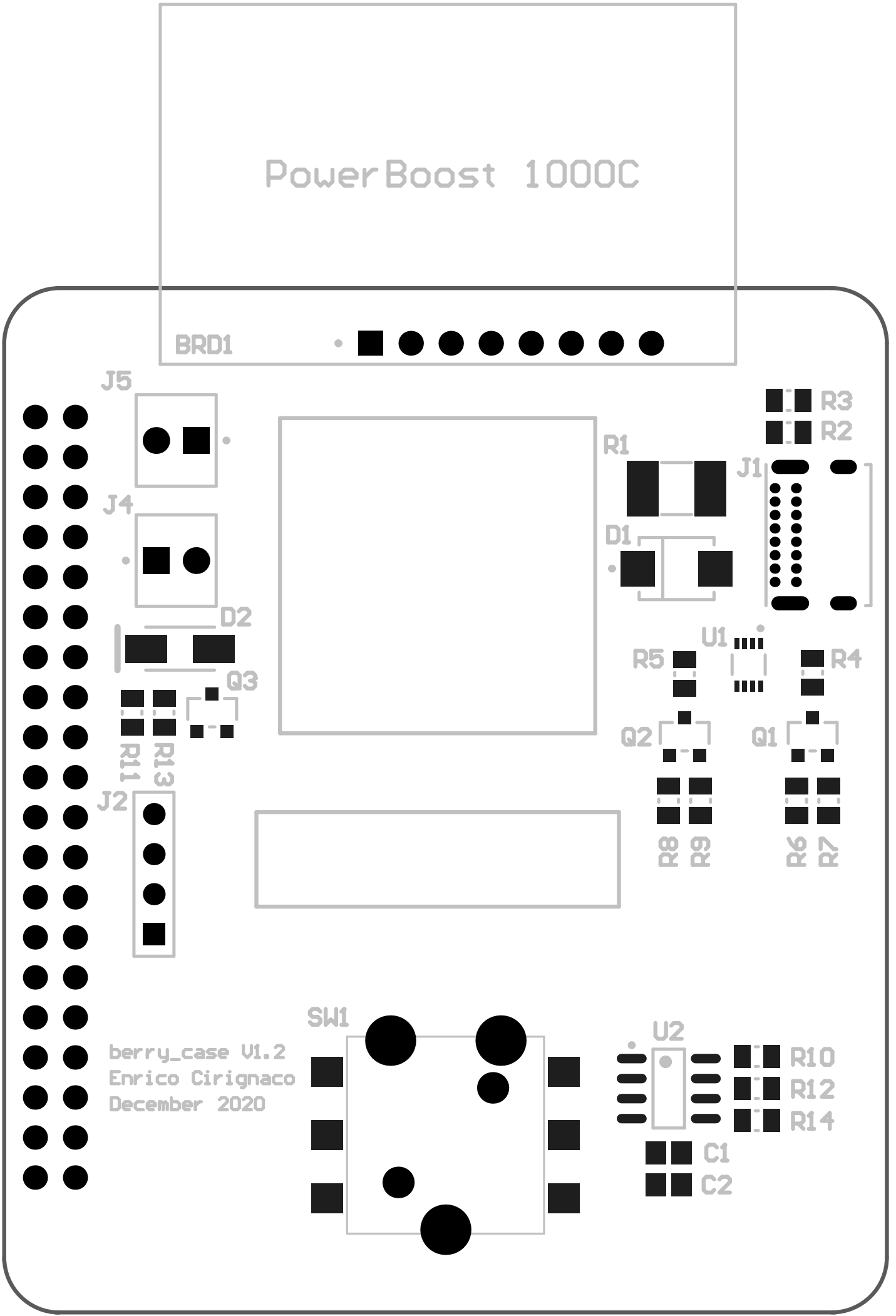
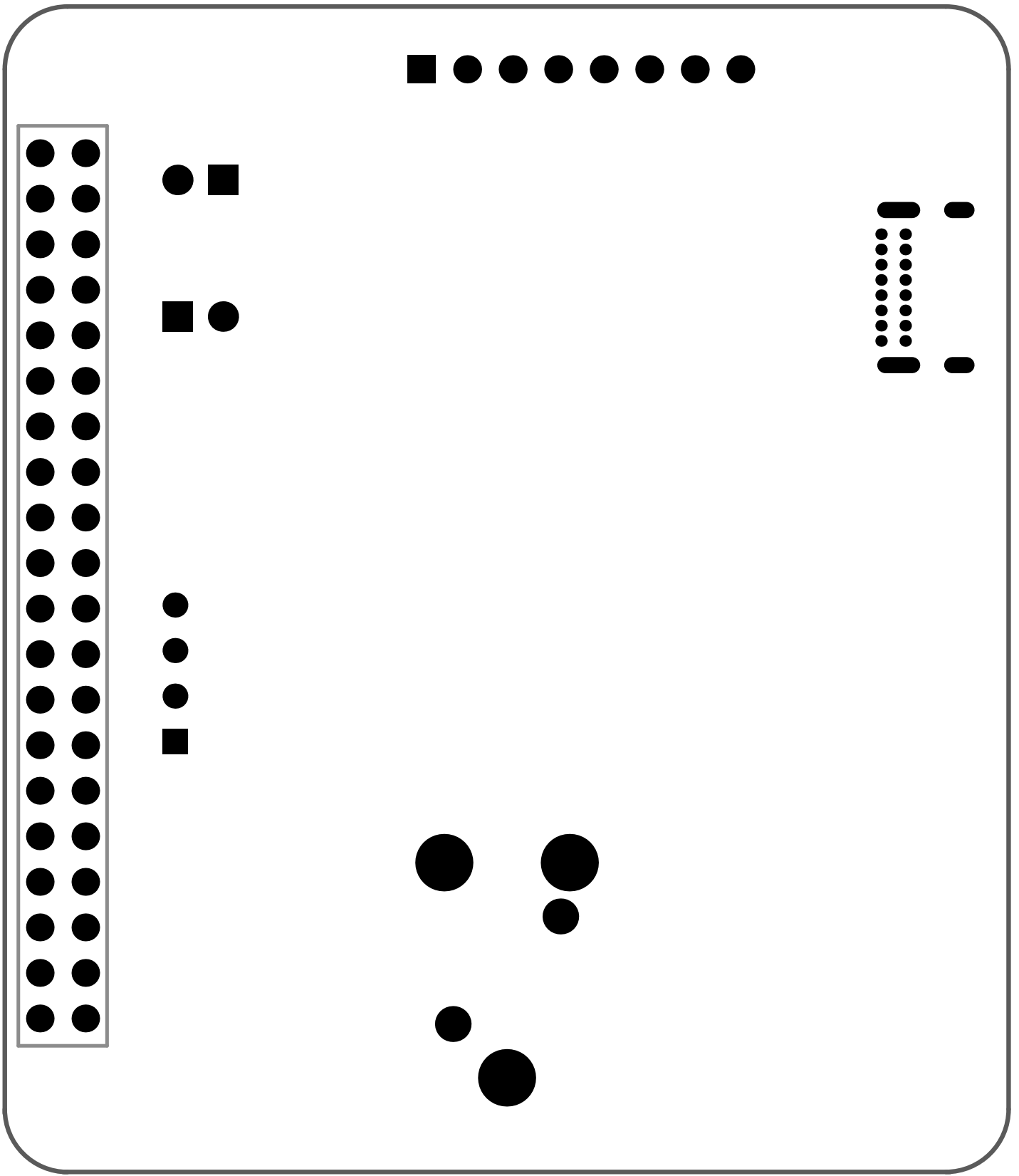

PowerBoost 1000C
BRD1
J5
J4
D2
Q3
R11
R13
J2
R1
D1
R3
R2
J1
U1
R5
R4
Q2
Q1
R8
R9
R6
R7
SW1
U2
R10
R12
R14
C1
C2
berry_case V1.2
Enrico Cirignaco
December 2020



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|---|---|---|---|---|---|
| Powerboost 1000c | BOARD PWRBOOST1000 5V LIPO USB | BRD1 | POWERBOOST_1000C | Powerboost_1000c | 1 |
| Cap_0805 | Ceramic Capacitor X7R | C1, C2 | CAPC2013X88X50NL20T25 | Cap_0805 | 2 |
| SMBJ5.0A | TVS DIODE 5V 9.2V DO214AA | D1 | FP-SMBJ-MFG | CMP-08607-000042-1 | 1 |
| S1M | General Purpose Rectifier, 1 A, 1000 V, -55 to 150 degC, 2-Pin DO-214AC, RoHS, Tape and Reel | D2 | FAIR-DO-214AC-2_V | CMP-2000-04942-2 | 1 |
| Comment | | Designator34, Designator35, Designator36, Designator37 | MOUNTING_HOLE | | 4 |
| Comment | | Designator38 | FAN_20MM | | 1 |
| USB4085-GF-A_revA | USB 2.0 Type C Receptacle Dip Type, PCB Top Mount | J1 | GCT_USB4085-GF-A_REVA | USB-C port | 1 |
| Display | Tiger Claw(TM) Socket Strip, Through-hole, Vertical, -55 to 105 degC, 2 mm Pitch, 4-Pin, Female, RoHS | J2 | OLED_DISPLAY | Oled Display | 1 |
| Raspberry Pi 4 | Raspberry Pi 4 with Headers_ | J3 | RASPBERRY_PI_4 | RASPBERRY_PI4 | 1 |
| Fan | Tiger Claw(TM) Socket Strip, Through-hole, Vertical, -55 to 105 degC, 2 mm Pitch, 4-Pin, Female, RoHS | J4 | FAN_CONNECTOR | FAN | 1 |
| Battery | Tiger Claw(TM) Socket Strip, Through-hole, Vertical, -55 to 105 degC, 2 mm Pitch, 4-Pin, Female, RoHS | J5 | FAN_CONNECTOR | FAN | 1 |
| AO3400A | MOSFET N-CH 30V 5.7A SOT23 | Q1, Q2, Q3 | SOT23 | MOSFET_AO3400A | 3 |
| MF-MSMF250/16X-2 | PTC Resettable Fuse 2.5A(hold) 5A(trip) 16V 100A 1.2W 5s 0.015Ohm SMD Solder Pad 1812 T/R | R1 | Res_1812 | PTC Fuse | 1 |
| Res_0805 | Resistor | R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14 | RESC2013X50X30NL20T20 | Res_0805 | 13 |
| JS5208 | E-SWITCH - JS5208 - SWITCH, NAVIGATION, 5 POSITION, 20mA, SMD | SW1 | JS5208_PKG | NAV_BUTTON | 1 |
| NC7SZ74K8X | IC FF D-TYPE SNGL 1BIT US8 | U1 | FP-846AN-MFG | CMP-07113-000002-1 | 1 |
| MCP3426A0-E/SN | 16-Bit, Multi-Channel Delta-Sigma Analog-to-Digital Converter with I2C Interface and On-Board Reference, 8-Pin SOIC 150mil, Extended Temperature | U2 | SOIC-SN8_L | CMP-0188-01151-1 | 1 |