

OPEN POWER - Prototype 1a

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|-------------------------------------|---------------------------------------|-----|--|
| 1uF | 0603 Capacitor | 4 | C2, C4, C5, C12 |
| 2.2uF | 0603 Capacitor | 1 | C13 |
| 22uF | 0603 Capacitor | 2 | C10, C11 |
| 4.7uF | 0603 Capacitor | 2 | C1, C3 |
| 22uF | 0805 Capacitor | 2 | C7, C8 |
| 5.6uF | 0805 Capacitor | 2 | C6, C9 |
| 1.2k | 0603 Resistor | 3 | R45, R47, R52 |
| 1.5k | 0603 Resistor | 2 | R54, R56 |
| 1.8k | 0603 Resistor | 3 | R46, R48, R53 |
| 100 | 0603 Resistor | 1 | R43 |
| 100k | 0603 Resistor | 2 | R10, R27 |
| 10k | 0603 Resistor | 14 | R12, R29, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R49 |
| 12k | 0603 Resistor | 4 | R18, R28, R62, R63 |
| 1k | 0603 Resistor | 29 | R1, R2, R3, R4, R5, R6, R7, R8, R9, R13, R15, R16, R17, R20, R21, R22, R23, R24, R25, R26, R30, R50, R51, R55, R57, R58, R59, R60, R61 |
| 2.2k* | 0603 Resistor | 1 | R19 |
| 3.3k* | 0603 Resistor | 1 | R31 |
| 3.9k | 0603 Resistor | 1 | R44 |
| 470 | 0603 Resistor | 2 | R11, R14 |
| 82k* | 0603 Resistor | 1 | R64 |
| 100k | Potentiometer (3386P-103TL) | 1 | POT1 |
| 100k (FBHigh) | Potentiometer (3x3mm SMD) | 1 | POT3 |
| 3k (FBLow) | Potentiometer (3x3mm SMD) | 1 | POT4 |
| 5k (VCC Low) | Potentiometer (3x3mm SMD) | 1 | POT2 |
| MF-PSMF050X-2 | 0805 Fuse - Gold | 1 | Fuse1 |
| 22uH | 7x7x3mm | 2 | L1, L2 |
| 22uH | CD32 | 2 | L3, L4 |
| SS34 | DO-214AC (SMA) | 2 | D2, D3 |
| B130LAW | SOD123 | 1 | D1 |
| PWR | LED - 0603 - Red | 1 | LED22 |
| CHRG | LED - 0603 - Blue | 1 | LED21 |
| 0.6V | LED - 0603 - Blue | 1 | LED20 |
| 0.8V | LED - 0603 - Blue | 1 | LED19 |
| 1.25V | LED - 0603 - Blue | 1 | LED17 |
| 1.5V | LED - 0603 - Blue | 1 | LED16 |
| 1.8V | LED - 0603 - Blue | 1 | LED15 |
| 1V | LED - 0603 - Blue | 1 | LED18 |
| 2V | LED - 0603 - Blue | 1 | LED14 |
| 3V | LED - 0603 - Green | 1 | LED13 |
| 3.3V | LED - 0603 - Green | 1 | LED12 |
| 3.6V | LED - 0603 - Green | 1 | LED11 |
| 4V | LED - 0603 - Green | 1 | LED10 |
| 4.5V | LED - 0603 - Green | 1 | LED9 |
| 5V | LED - 0603 - Yellow | 1 | LED8 |
| 6V | LED - 0603 - Yellow | 1 | LED7 |
| 7V | LED - 0603 - Orange | 1 | LED6 |
| 8V | LED - 0603 - Orange | 1 | LED5 |
| 10V | LED - 0603 - Red | 1 | LED3 |
| 9V | LED - 0603 - Red | 1 | LED4 |
| 11V | LED - 0603 - White | 1 | LED2 |
| 12V | LED - 0603 - White | 1 | LED1 |
| XKB5858-Z | Toggle Switch - THRU (6mm x 6mm) | 1 | SW1 |
| Header - 4pin - 2.54mm - Single Row | HDR1X4 | 2 | P1, P2 |
| Header - 4pin - 2.54mm - Dual Row | HDR2X5 | 2 | |
| JST (50 mil) | JST - 1.25 - GH - 2 Pin - Thru - Vert | 1 | BATT1 |
| Micro | Micro USB - Midmount | 1 | USB1 |
| DMP1045U | Mosfet - Sot23 - Generic | 1 | Q1 |
| LM339 | SOIC-14* | 5 | Q2, Q3, Q4, Q5, Q6 |
| XC6206P302MR-G | SOT-23-3 | 1 | U2 |
| MCP73831T | SOT-23-OT5_N | 1 | U1 |
| MIC5225-5.0 | SOT23-5 | 1 | U5 |
| MT3608 | SOT23-6 | 2 | U3, U4 |
| Lipo Battery | Not included | 1 | BATT2 |
| | Total Components | 130 | |