



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|------------------------------|--|--|-----------------------|------------------------------|----------|
| BATT_PADS | | BATT1 | BATT_PADS | BATT_PADS | 1 |
| a-Cap_0.1uF_1 | Capacitor 0.1uF, 10V, ±10%, X5R, ROHS C, 0201 | C1, C12, C13, C14 | 0201W10STC | a-Cap_0.1uF_1 | 4 |
| a-Cap_10uF | Capacitor 10uF, 20%, 4V, X5R, 0402 | C2, C5, C7 | 0402 | a-Cap_10uF | 3 |
| c-Cap_2200pF | Capacitor 2200pF 10% 10V X7R 0201 | C3 | 0201W10STC | c-Cap_2200pF | 1 |
| a-Cap_1.0uF | Capacitor 1.0uF, +/-10%, 6.3V, X5R, RoHS C, 0402 | C4 | 0402 | a-Cap_1.0uF | 1 |
| c-Cap_100pF | Capacitor 100pF 10% 25V X7R 0201 | C6 | 0201W10STC | c-Cap_100pF | 1 |
| a-Cap_0.1uF | Capacitor 0.1uF, 6.3V, +/-10%, X5R, ROHS C, 0201 | C8, C9, C10, C11 | 0201W10STC | a-Cap_0.1uF | 4 |
| FB_20_0402 | Ferrite Bead 20 Ohm 3.8A 11mOhm 0402 | FB1 | 0402 | FB20_0402 | 1 |
| Inductor_0603_4.7uH | Inductor 4.7uH 0603 +/-20% 500mA 240mOhm | L1 | 0603 | Inductor_0603_4.7uH | 1 |
| LED RED 0603 | 0603 Ultra Bright Red Led, 54mcd | LD1, LD2, LD3, LD4, LD5, LD6, LD7 | 0603LED_RED | LED_0603_R | 7 |
| LED YELLOW 0603 | ULTRABRIGHT LED YELLOW 0603 0.8mm high | LD8, LD9, LD10, LD11, LD12, LD13 | 0603LED_YELLOW | LED_0603_YELLOW_SLM | 6 |
| LED GREEN 0603 | LED GREEN 0603 0.8mm high | LD14, LD15, LD16, LD17, LD18, LD19, LD20, LD21, LD22 | 0603LED_GREEN | LED_0603_G_SLM_OLD | 9 |
| SI2319DS | P_Channel Mosfet 40V 2.3A,SOT-23 | Q1 | SOT23-A | SI2319DS | 1 |
| AO3435L | P_Channel Mosfet 20V 3.5A, 70mOhm SOT-23 | Q2 | SOT23-A | AO3435L | 1 |
| AP2318GEN | MOSFET N-Ch 30V 500mA SOT23 | Q3 | SOT23-A | AP2318GEN | 1 |
| R_0201_2430 | Resistor 2.43k, 1%, 1/20W, 0201 | R2 | 0201W10ST | R_0201_2430 | 1 |
| R_0201_10000_1 | Resistor 10k 1% 1/20W 0201 | R3, R24, R26 | 0201W10ST | R_0201_10000_1 | 3 |
| R_0201_1000000 | Resistor 1M 1% 0201 | R4, R8 | 0201W10ST | R_0201_1000000 | 2 |
| R_0201_470000 | Resistor 470k, 1%, 1/20W, 0201 | R5, R6 | 0201W10ST | R_0201_470000 | 2 |
| R_0201_150000 | Resistor 150k 1% 0201 | R7 | 0201W10ST | R_0201_150000 | 1 |
| R_0402 | template | R9, R11 | R0402 | R_0402 | 2 |
| R_0201_1000 | Resistor 1k, 1%, 1/20W, 0201 | R10 | 0201W10ST | R_0201_1000 | 1 |
| R_0201_22 | Resistor 22R, 1%, 1/20W, 0201 | R12, R13 | 0201W10ST | R_0201_22 | 2 |
| R_0201_200 | Resistor 200R, 1%, 1/20W, 0201 | R14, R15, R16, R17, R18, R19, R21, R22, R23, R25 | 0201W10ST | R_0201_200 | 10 |
| R_0201_4700_1 | Resistor 4.7k 1% 0201 | R20 | 0201W10ST | R_0201_4700_1 | 1 |
| SW_PUSHBUT_RA_LowProfile_SMD | Right angle SMT tact switch_Low_Profile DragonWell | S1 | KFC-A07-35 | SW_PUSHBUT_RA_LowProfile_SMD | 1 |
| RT9278 | Step up converter Vin=1.5...5.5V, Vout_max=5.5V, Ilim=2A, f=0.65MHz | U1 | WDFN-10L_3X3 | RT9278_PQV | 1 |
| STM32L052x6 | Ultra-low-power 32-bit MCU Arm®-based Cortex®-M0+, up to 64 KB Flash memory, 8 KB SRAM, 2 KB EEPROM, USB, ADC, DAC | U2 | QFP80P900X900X160-32N | STM32L052x6 | 1 |