

| Comment | Description | Value | Designator | Footprint | Quantity |
|----------------------|---|-------|---|---------------------|----------|
| IP2701 | Fast Charging Physical Layer IC for USB Interfaces | | A1_Out_1, A1_Out_2, A1_Out_3, A1_Out_4 | SOP8 | 4 |
| 10µF | CAP-CER 10u 25V 10% SMD 1206 X7R | | C1, C2, C7_Out_1, C7_Out_2, C7_Out_3, C7_Out_4 | CAPC3216X1.80N_1206 | 6 |
| 100µF | CAP-ELC 100u 25V 20% SMD D6.3mm H7.7mm R4.4mm | | C3, C5_Out_1, C5_Out_2, C5_Out_3, C5_Out_4, C6_Out_1, C6_Out_2, C6_Out_3, C6_Out_4 | CAPAE660X8.00N_D8 | 9 |
| 10nF | CAP-CER 10n 50V 10% SMD 0603 X7R | | C4_Out_1, C4_Out_2, C4_Out_3, C4_Out_4 | CAPC1608X0.87N_0603 | 4 |
| V8PAM10S | DIO-SKY 100V 840mV 8A SMD DO-221BC-2 V8PAM10S | | D1_Out_1, D1_Out_2, D1_Out_3, D1_Out_4 | DO-221BC | 4 |
| USB 3.1 C Receptacle | USB 3.1 Type C Receptacle Horizontal THR WR-COM | | J1, J3_Out_1, J3_Out_2, J3_Out_3, J3_Out_4 | C165948 | 5 |
| Terminalblock X2 | | | J2 | TerminalblockX2 | 1 |
| Inductor | Inductor | 15uH | L1_Out_1, L1_Out_2, L1_Out_3, L1_Out_4 | 12x12_L-Footprint | 4 |
| LED-0603 GN LC | LED WÜRTH 2mA 150060VS75000 | | LD1, LD2, LD3, LD4, LD5 | LEDC1608X0.80N_0603 | 5 |
| Marker IPC7351 | Fiducial Marker IPC7351 Diameter 1.5mm, Clearance Diameter 3mm | | MP1, MP2, MP3, MP4, MP5, MP6 | PCB-Marker_IPC7351 | 6 |
| 5.1k | RES 5k1 1% 125mW TK100 SMD 0805 G | | R1, R3 | RESC2012X0.60N_0805 | 2 |
| 100k | RES 100k 1% 100mW TK100 SMD 0603 G | | R4, R8, R11, R15_Out_1, R15_Out_2, R15_Out_3, R15_Out_4, R16_Out_1, R16_Out_2, R16_Out_3, R16_Out_4 | RESC1608X0.55N_0603 | 11 |
| 1k | RES 1k 1% 125mW TK100 SMD 0805 G | | R5, R10, R12 | RESC2012X0.60N_0805 | 3 |
| 2.7k | RES 2k7 1% 125mW TK100 SMD 0805 G | | R7, R9, R19_Out_1, R19_Out_2, R19_Out_3, R19_Out_4 | RESC2012X0.60N_0805 | 6 |
| 33K | RES 33k 1% 100mW TK100 SMD 0603 G | | R17_Out_1, R17_Out_2, R17_Out_3, R17_Out_4 | RESC1608X0.55N_0603 | 4 |
| 0 | RES 0R 5% 100mW TK100 SMD 0603 G | | R18_Out_1, R18_Out_2, R18_Out_3, R18_Out_4 | RESC1608X0.55N_0603 | 4 |
| FE1.1s | USB 2.0 HIGH SPEED 4-PORT HUB CONTROLLER | | U1 | SSOP-28_150mil | 1 |
| RT8289 | Buck Step Down Regulator with 5.5 to 36 V Input and 1.23 to 31 V Output, -40 to 125 degC, 8-Pin SOIC (D), Green (RoHS & no Sb/Br) | | U2_Out_1, U2_Out_2, U2_Out_3, U2_Out_4 | SOP8-EP | 4 |
| 12MHz | Crystal | | Y1 | SMD-3225_4P | 1 |