| Comment | Description | Designator | Footprint | LibRef | Quantity |
|---|---|---|---|---|---|
| Cap | Capacitor | C1C1, C1C2, C1C3, C1C4, C2C1, C2C2, C2C3, C2C4, C3C1, C3C2, C3C3, C3C4, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C31, C32, C33, C34, C36, C37, C38 | 0805C-GENERIC | Cap | 45 |
| Cap | Capacitor | C30, C35 | 0603C-GENERIC | Cap | 2 |
| BAT46 | Schottky diode | D1C1, D1C2, D1C3, D1C4, D5C1, D5C2, D5C3, D5C4 | SOD323 | BAT46-SOD323 | 8 |
| CDSU101A | CDSU101A DIODE | D2C1, D2C2, D2C3, D2C4, D4C1, D4C2, D4C3, D4C4 | SOD523 | CDSU101A | 8 |
| SM6T39CA | Transient Surpression Diode TVS | D3C1, D3C2, D3C3, D3C4 | DO214AA | SM6T39CA | 4 |
| BZX585-3V3 | 3V3 Zener Diode | D6C1, D6C2, D6C3, D6C4 | SOD523 | BZX585-3V3 | 4 |
| BZX585-10 | 20V Zener Diode | D11 | SOD523 | BZX585-10 | 1 |
| 1206L035 | GENERIC FUSE | F1 | 1206-polyswitch | 1206L035 | 1 |
| 600Z | FERRITE BEAD 600 OHM 2A | FB1C1, FB1C2, FB1C3, FB1C4, FB2C1, FB2C2, FB2C3, FB2C4 | 0805FB-600Z | 0805FB-600Z | 8 |
| 1K8Z | FERRITE BEAD SMD | FB3, FB4 | 0805FB-GENERIC | 0805FB-GENERIC | 2 |
| 600Z | FERRITE BEAD SMD | FB5 | 0805FB-GENERIC | 0805FB-GENERIC | 1 |
| DSUB9-HARTING | Receptacle Assembly, 9 Position, Right Angle | J1 | HARTING_0968153761 3 | DSUB9-HARTING | 1 |
| PRKR2 | SCREW TERMINAL 5MM | K1C1, K1C2, K1C3, K1C4, K4 | PRKR2 | PRKR2 | 5 |
| JMPR2 | JMPR2 OPEN BY DEFAULT | K2, K3 | JMPR2 | JMPR2 | 2 |
| ICD Connector | | K5 | HEADER-2X5 | HEADER-2X5 | 1 |
| 10uH | Bourns SRR7032 Series Inductor | L2 | INDP7070X34N | SRR7032 | 1 |
| 150080GS75000 | SMD mono-color Chip LED, WL-SMCW, Green | LED1, LED2, LED3, LED4 | 0805_A | 150080GS75000 | 4 |
| MMBT3906 | 2N3906 SMALL SIGNAL PNP TRANSISTOR | Q1C1, Q1C2, Q1C3, Q1C4 | SOT23-BCE | MMBT3906 | 4 |
| BSP613P | 60V P-Channel MOSFET | Q2 | SOT223 | BSP613P | 1 |
| MMBT3904 | NPN General Purpose Transistor | Q3, Q4, Q5, Q6 | SOT23-BCE | MMBT3904 | 4 |
| Res1 | Resistor | R1C1, R1C2, R1C3, R1C4, R2C1, R2C2, R2C3, R2C4, R3C1, R3C2, R3C3, R3C4, R4C1, R4C2, R4C3, R4C4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27 | 0805R-GENERIC | Res1 | 39 |
| 50K | 50K | TR1, TR2, TR3, TR4 | TRIMMER-MT | THTRIM-GENERIC | 4 |
| HCNR200 | | U1C1, U1C2, U1C3, U1C4 | SOP254P1230X400-8N-GWS | HCNR200 | 4 |
| TLV2371IDBVRG4 | 550 uA/Ch, 3 MHz, RRIO Operational Amplifier, 2.7 to 16 V, -40 to 125 degC, 5-pin SOT23 (DBV5), Green (RoHS & no Sb/Br) | U2C1, U2C2, U2C3, U2C4 | TI-DBV5_N | TLV2371IDBVRG4 | 4 |
| TLV2374IDG4 | 550 uA/Ch, 3 MHz, RRIO Operational Amplifier, 2.7 to 16 V, -40 to 125 degC, 14-pin SOIC (D14), Green (RoHS & no Sb/Br) | U3 | TI-D14_N | TLV2374IDG4 | 1 |
| 25LC512 | | U4 | SOIC127P600-8N | 25LC512 | 1 |
| STM32F303K8 | | U5 | TQFP80P900X900X160-32N | STM32F303K8 | 1 |
| TMP235 | | U6 | SOT23-123 | TMP235 | 1 |
| LTC3646HDE-1#TRPBF | 1 A Synchronous Step-Down Converter, 14-pin SON (DE-14), -40 to 150 degC, Pb-Free, Tape and Reel | U7 | LT-DE-14_V | LTC3646HDE-1#TRPBF | 1 |
| LT1763IS8-3.3#TRPBF | 500 mA, Low Noise, LDO Micropower Regulator, 1.8 to 20 V Vin, 3.3 V Vout, 8-pin SOIC (S8-8), -40 to 125 degC, Pb-Free, Tape and Reel | U8 | LT-S8-8_N | LT1763IS8-3.3#TRPBF | 1 |
| ADM3053 | | U9 | SOIC127P1030X265-20N-WIDE | ADM3053 | 1 |
| 8MHz | ABMM2-8.000MHZ-E2-T | Y1 | *OSCCC600X360X120 | ABMM2-8.000MHZ-E2-T | 1 |