













| Quantity | Comment | Description | Designator | Manufacturer_Part_Number |
|----------|-------------------------------|-----------------------|--|---------------------------|
| 5 | 10uF | Capacitor | C1, C2, C3, C5, C6 | CL32B106KMVNNWE |
| 1 | 100uF | Capacitor Polarised | C4 | 8TPE100MAZB |
| 1 | 10nF | Capacitor | C7 | C0805C103J3GACTU |
| 9 | 100nF | Capacitor | C8, C9, C10, C11, C12, C19, C32, C33, C34 | VJ0603Y104JXJAC |
| 12 | C1608X5R1E335K080A C | Capacitor | C13, C14, C15, C16, C17, C18, C20, C21, C22, C23, C24, C25 | C1608X5R1E335K080AC |
| 4 | GRM32EC72A106KE05 L | Capacitor | C26, C29, C30, C31 | GRM32EC72A106KE05L |
| 2 | UUX2A470MNL1GS | Capacitor Polarised | C27, C28 | UUX2A470MNL1GS |
| 4 | 1nF | Capacitor | C35, C36, C37, C38 | 06035A102JAT2A |
| 2 | 4pF | Capacitor | CL1, CL2 | CL10C040CB8NNNC |
| 8 | BAS3010A03WE6327H TSA1 | Diode | D1, D2, D3, D5, D6, D7, D8, D11 | BAS3010A03WE6327HTSA1 |
| 1 | V8PAM10S-M3_H | Schottky Diode | D4 | V8PAM10S-M3/H |
| | BAT54SQ-7-F | Schottky Diode | D9, D10 | BAT54SQ-7-F |
| | 220 Ohm | Ferrite Bead | FB1 | MPZ1608S221ATA00 |
| | LMZ36002RVQT | Integrated Circuit | IC1 | LMZ36002RVQT |
| | USBLC6-2SC6 | Integrated Circuit | IC2 | USBLC6-2SC6 |
| | AP2114H-3.3TRG1 | Integrated Circuit | IC3 | AP2114H-3.3TRG1 |
| | | Integrated Circuit | IC4, IC5 | LTC4444EMS8E-5#PBF |
| | NCP1729SN35T1G | Integrated Circuit | IC6, IC7, IC8 | NCP1729SN35T1G |
| | INA290A2IDCKT | Integrated Circuit | IC9, IC10 | INA290A2IDCKT |
| | ISO1044BDR | Integrated Circuit | IC11 | ISO1044BDR |
| | SWD | Connector | J1 | M50-3600542R |
| | Micro-USB | Connector | J2 | 1981584-1 |
| | M52-040023V1045 | Connector | J3, J4, J5, J6 | M52-040023V1045 |
| | DF13A-5P-1.25H_21_ | Connector | J7 | DF13A-5P-1.25H(21) |
| | DF13A-4P-1.25H_21_ | Connector | J8, J9, J10, J12 | DF13A-4P-1.25H(21) |
| 1 | IHLP5050FDER2R2M0 | Inductor | L1 | IHLP5050FDER2R2M01 |
| 4 | Green | LED | LED1, LED2, LED3, LED4 | LG Q396-PS-35 |
| 1 | STM32G474RBT6 | Integrated Circuit | MCU1 | STM32G474RBT6 |
| | PowerPad | integrated on our | P1, P2, P3, P4 | omice ii mere |
| 4 | IPD90N10S4L06ATMA | MOSFET (N-Channel) | Q2, Q4, Q5, Q7 | IPD90N10S4L06ATMA1 |
| 7 | 10k | Resistor | R1, R2, R13, R19, R20, R21, R22 | MCT06030C1002FP500 |
| 4 | 1k | Resistor | R3, R4, R5, R6 | MCT06030C1001FP500 |
| | 4k7 2W | Resistor | R7, R8 | RCL12254K70FKEG |
| | 100R | Resistor | R9, R10 | ERJ-3EKF1000V |
| | WSK1216L5000FEA | Resistor | R11, R18 | WSK1216L5000FEA |
| | 100k | Resistor | R12, R14 | ERJ-PA3J104V |
| | 3k3 | Resistor | R15, R16 | ERJ-PA3J332V |
| | 120R | Resistor | R17 | ERJPA3J121V |
| | 5.05k | Resistor | RADJ1 | RT0805BRD075K05L |
| | 49.9k | Resistor | RT1 | ERJ-6ENF4992V |
| | CAS-D20A1 | Switch | S1 | CAS-D20A1 |
| | Solder Bridge | Solder Bridge | SB1, SB2 | RC0603JR-070RL |
| | RST | Switch | SW2 | PTS 647 SK38 SMTR2 LFS |
| | | | | |
| 1 | ABM8W-16.0000MHZ- 8-B1U-T3 | Crystal or Oscillator | Y1 | ABM8W-16.0000MHZ-8-B1U-T3 |