





| Comment | Description | Designator | Footprint | LibRef | Quantity |
|-------------------|--|-----------------|-----------------------|------------------------|----------|
| XTAL_ABS06 | | *1 | XTAL-ABS06 | XTAL_ABS06 | 1 |
| Reed_MK24 | | *2 | Reed MK24-B-3 | Reed_MK24 | 1 |
| 22.5pF | Ceramic Chip Capacitor - Standard | C1, C2 | 0402 | C0402 | 2 |
| 1.0uF | Ceramic Chip Capacitor - Standard | C3, C10, C11 | 0402 | C0402 | 3 |
| 10nF | Ceramic Chip Capacitor - Standard | C4, C12 | 0402 | C0402 | 2 |
| 0.1uF | Ceramic Chip Capacitor - Standard | C5, C6, C7, C20 | 0402 | C0402 | 4 |
| 0.1 uF | Ceramic Chip Capacitor - Standard | C8, C9 | 0402 | C0402 | 2 |
| C0603 | Ceramic Chip Capacitor - Standard | C13, C16, C21 | 0603 | C0603 | 3 |
| 1uF | | C14, C15 | Tant0805 | Tant0805 | 2 |
| 100nF | Ceramic Chip Capacitor - Standard | C17, C19 | 0402 | C0402 | 2 |
| 10uF | | C18 | Tant0805 | Tant0805 | 1 |
| LED_0603 | | D3, D4 | Diode0603 | LED_0603 | 2 |
| 300Ohm | Ferrite 25mOhm@DC, 60 Ohm@100MHz | L1 | 0805 (M2125) Ferrite | Ferrite 0805(M2125) 3A | 1 |
| 2.2uH | | L5 | Inductor KLZ1608AHR | Inductor KLZ1608 | 1 |
| microSD | | P1 | Molex microSD | microSD Molex tiny | 1 |
| 1x2 1.27mm | | P2 | Header1x2 1.27mm | Header 1x2 1.27mm | 1 |
| Cortex Debug | | P4 | Header_2x5_50mil | CortexDebug | 1 |
| HDR_4x1_2mm | | P5 | Hdr_4x1_2mm | HDR_4x1_2mm | 1 |
| HDR_2x1_2mm | | P6 | HDR_2x1_2mm | HDR_2x1_2mm | 1 |
| 10K | Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W | R1 | 3-0603 | ERJ3RK | 1 |
| 100k | Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W | R2, R3 | 3-0603 | ERJ3RK | 2 |
| Do not place | Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W | R4 | 3-0603 | ERJ3RK | 1 |
| 2k | Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W | R5 | 3-0603 | ERJ3RK | 1 |
| 330X | Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W | R6, R7 | 3-0603 | ERJ3RK | 2 |
| 4.7k | Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W | R8, R9 | 3-0603 | ERJ3RK | 2 |
| ATSAMD21GA-MUT | | U1 | QFN127P600-8N | ATSAMD21G18 | 1 |
| LP3985IMS-3.3 | Micropower, 150mA Low-Noise Ultra Low-Dropout CMOS Voltage Regulator, 5-pin SOT-23 | U2, U4 | MF05A_N | LP3985IMS-3.3 | 2 |
| W25Q256JVEIQ_TR | 1c Flash 256mbit 104mhz 8wson | U3 | *SON127P800X600X80-9N | W25Q256JVEIQ_TR | 1 |
| TPS62740 | | U5 | TPS6274x | TPS6274x | 1 |
| MCP73831T-2DCI/OT | Miniature Single-Cell, Fully Integrated Li-Ion, Li-Polymer Charge Management Controller, 4.2V, 5-Pin SOT-23, Industrial Temperature, Tape and Reel | U6 | SOT-23-OT5_N | MCP73831T-2DCI/OT | 1 |
| LS2DS12 | | U7 | LGA-12 | LS2DS12 | 1 |
| Level Shifter | Voltage level translator | U8, U9 | DHVQFN14 | NTB0104 | 2 |
| MS5837 | Pressure/Temp | U10 | MS5837 | MS5837 | 1 |
| MMC33160MT | | U11 | MMC33160MT | MMC33160MT | 1 |
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