



| YTAL_ABSOS | Comment | Description | Designator | Footprint | LibRef | Quantity |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|------------------------|----------|
| Separation | XTAL_ABS06 | | *1 | XTAL-ABS06 | XTAL_ABS06 | 1 |
| 22.29F Sandard CCC CORD CORD | Reed_MK24 | | *2 | Reed MK24-B-3 | Reed_MK24 | 1 |
| 10.0F Standard Cac 10.0 (1) 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0402 0 | 22.5pF | Standard | C1, C2 | 0402 | C0402 | 2 |
| 10-6 | 1.0uF | Standard | C3, C10, C11 | 0402 | C0402 | 3 |
| 11 | 10nF | Standard | C4, C12 | 0402 | C0402 | 2 |
| 10 | 0.1uF | Standard | C5, C6, C7, C20 | 0402 | C0402 | 4 |
| C0603 | 0.1 uF | Standard | C8, C9 | 0402 | C0402 | 2 |
| Content | C0603 | | C13, C16, C21 | 0603 | C0603 | 3 |
| 1000F | 1uF | | C14, C15 | Tant0805 | Tant0805 | 2 |
| 10.0F | 100-5 | | 617, 610 | 0403 | 50403 | |
| EED.0633 Perrike 25mChm@DC, 60 Perrike 25mChm@DC | | Standard | | | | 2 |
| Section Ferrite SemDines DCC, 60 1 | | | | | | 2 |
| 3000hm | EED_0003 | Ferrite 25mOhm@DC, 60 | 03, 04 | Diodeooos | EED_0003 | |
| Page | 300Ohm | | L1 | 0805 (M2125) Ferrite | Ferrite 0805(M2125) 3A | 1 |
| 12.1.27mm | 2.2uH | | L5 | Inductor KLZ1608AHR | Inductor KLZ1608 | 1 |
| Cortex Debug | | | | | | 1 |
| HDR_2x1_2mm | | | | | | 1 |
| HOR 2x1 2mm | | | | | - | 1 |
| Precision Thick Film Chip Residency 1, 00 hm to 1M Ohm Range, 1% and 0.5% Tolerance, 0003 Size, 0.063 W R. | | | | | | 1 |
| 10K | HDR_2x1_2mm | Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% | P6 | HDR_2x1_2mm | HDR_2x1_2mm | 1 |
| Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1 | 10K | | R1 | 3-0603 | ERJ3RK | 1 |
| Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W | 100k | Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, | R2. R3 | 3-0603 | ERJ3RK | 2 |
| Do not place 0.063 W R4 3-0603 ERJ3RK | | Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% | | | | |
| 2k 0.063 W R5 3-0603 ERJ3RK Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 10 Ohm Range, 1% oh 10 Ohm Ran | Do not place | Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% | R4 | 3-0603 | ERJ3RK | 1 |
| Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R6, R7 3-0603 ERJ3RK | 2k | | R5 | 3-0603 | ERJ3RK | 1 |
| 4.7k Tolerance, 0603 Size, 0063 W R8, R9 3-0603 ERJ3RK ATSAMD21GA-MUT U1 QFN127P600-8N ATSAMD21G18 LP3985IM5-3.3 Micropower, 150mA Low-Noise Utra Low-Dropout CMOS Voltage Regulator, CMOS Voltage Regulator, S-pin SOT-23 U2, U4 MF05A_N LP3985IM5-3.3 W25Q256JVEIQ_TR Ic Flash 256mbit 104mhz 8wson U3 *SON127P800X600X80-9N W25Q256JVEIQ_TR TP562740 U5 TP56274x TP56274x Miniature Single-Cell, Fully Integrated Li-lon, Li-Polymer Charge Management Controller, 4.2V, 5-Pin SOT-23, Industrial Temperature, 4.2V, 5-Pin SOT-23, Industrial Temperature, Tape and Reel U6 SOT-23-OT5_N MCP73831T-2DCI/OT MCP73831T-2DCI/OT Tape and Reel U6 SOT-23-OT5_N MCP73831T-2DCI/OT Level Shifter Voltage level translator U8, U9 DHVQFN14 NTB0104 MS5837 Pressure/Temp U10 MS5837 MS5837 | 330X | Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W Precision Thick Film Chip Resistor, 10 Ohm to 1M | R6, R7 | 3-0603 | ERJ3RK | 2 |
| 4.7k 0.063 W R8, R9 3-0603 ERJ3RK ATSAMD21GA-MUT U1 QFN127P600-8N ATSAMD21G18 Micropower, 150mA Low-Noise Ultra Low-Dropout CMOS Voltage Regulator, S-pin SOT-23 LF 18sh 256mbit 104mbz W25Q256JVEIQ_TR W25Q256JVEIQ_TR 8wson U3 9N W25Q256JVEIQ_TR TPS62740 U5 TPS6274x TPS6274x Miniature Single-Cell, Fully Integrated Li-lon, Li-Polymer Charge Management Controller, 4:2V, 5-Pin SOT-23, Industrial Temperature, Tape and Reel U5 SOT-23-OTS_N MCP73831T-2DCI/OT U52D512 Level Shifter Voltage level translator U8, U9 DHVQFN14 NTB0104 MS5837 Pressure/Temp U10 MS5837 MS5887 | | | | | | |
| ATSAMD21GA-MUT Micropower, 150mA Low-Noise Ultra Low-Dropout CMOS Voltage Regulator, S-pin SOT-23 U2, U4 MF05A_N LP3985IM5-3.3 LF flash 256mbit 104mbz W25Q256JVEIQ_TR W3 W3 W3 W3 W25Q256JVEIQ_TR W25Q256JVEIQ_TR W3 W45Q274x | 4.7k | | R8, R9 | 3-0603 | ERJ3RK | 2 |
| Noise Ultra Low-Dropout CMOS Voltage Regulator, U2, U4 | | | | | | 1 |
| K. Flash 256mbit 104mhz W25Q256JVEIQ_TR | LP3985IM5-3.3 | Noise Ultra Low-Dropout CMOS Voltage Regulator, | U2, U4 | MF05A_N | LP3985IM5-3.3 | 2 |
| DESCRIPTION | | | | | | |
| Miniature Single-Cell, Fully Integrated Li-lon, Li- Polymer Charge Management Controller, 4, 2V, 5-Pin SOT-23, Industrial Temperature, Tape and Reel U6 SOT-23-OT5_N MCP73831T-2DCI/OT LIS2DS12 U7 LGA-12 LIS2DS12 Level Shifter Voltage level translator U8, U9 DHVQFN14 NTB0104 MS5837 Pressure/Temp U10 MS5837 MS | | bwson | | | | 1 |
| LIS2DS12 U7 LGA-12 US2DS12 Level Shifter Voltage level translator U8, U9 DHVQFN14 NTB0104 MS5837 Pressure/Temp U10 MS5837 MS5837 | | Integrated Li-lon, Li- Polymer Charge Management Controller, 4.2V, 5-Pin SOT-23, Industrial Temperature, | | | | |
| Level Shifter Voltage level translator U8, U9 DHVQFN14 NTB0104 MSS837 Pressure/Temp U10 MSS837 MSS837 | | rape and keel | | | | 1 |
| MS5837 Pressure/Temp U10 MS5837 MS5837 | | Voltago lovol translata | | | | 1 |
| | | | | | | 2 |
| WINCSTOWN WINCSTOWN | | cooding remp | | | | 1 |
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