











Mako DSP.PrjPCB Source Data From: Mako DSP.PrjPCB Project: Variant: None

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| Footprint | Comment | LibRef | Designator | Description | Quantity |
|--------------------------------|---|-----------------------------------|--|--|----------|
| PJ-102AH | Center-positive 2.1 mm power jack | PWR2.5 | 1 | Power jack | 1 |
| Arduino Leonardo | Arduino Leonardo | Arduino Leonardo | Analog Input1 | | 1 |
| Analog | Analog | Analog | - ODIO A A ODIO A | | |
| HDR2X5 0402 | Header 5X2 Cap Semi | Header 5X2 Cap Semi | Aux GPIO 0, Aux GPIO 1 | Header, 5-Pin, Dual row Capacitor (Semiconductor SIM Model) | 2 |
| C1206 | Cap Semi | Cap Semi | C1, C2, C3, C4, C5, C6, C24, C25 C7, C53, C54, C56, C57, C59, C60, C72, | Capacitor (Semiconductor SIM Model) | 10 |
| 1608[0603] | Cap Semi | Cap Semi | C73, C74 C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C30, C31, C33, C34, | Capacitor (Semiconductor SIM Model) | 35 |
| | | | C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C62, C63, C64, C68 | | |
| Panasonic VS B | Cap Semi | Cap Semi | C20, C22, C55, C58, C61, C71 | Capacitor (Semiconductor SIM Model) | 6 |
| SM 0805 - gap trimmed | Cap Semi | Cap Semi | C21, C23 | Capacitor (Semiconductor SIM Model) | 2 |
| CAPC1608L | Cap Semi | Cap Semi | C27, C28, C29, C32 | Capacitor (Semiconductor SIM Model) | 4 |
| CAPPR2.5- 6.3x5 | Cap Pol1 | Cap Pol1 | C51, C52 | Polarized Capacitor (Radial) | 2 |
| SM 0805 polarized | LED2 | LED2 | D1, D3, D4 | Typical RED, GREEN, YELLOW, AMBER GaAs LED | 3 |
| | PMEG4050EP | Diode | D2 | Default Diode | 1 |
| HDR1X2 | Header 2 | Header 2 | DBGEN1, TRST1 | Header, 2-Pin | 2 |
| Arduino Leonardo | Arduino Leonardo High | Arduino Leonardo High | Digital IO Higher Byte1 | , | 1 |
| High Byte | Byte | Byte | | | |
| Arduino Leonardo | Arduino Leonardo Low | Arduino Leonardo Low | Digital IO Lower Byte1 | | 1 |
| Low Byte | Byte | Byte | | | |
| BLM18PG12 1SN1D | BLM15HG601S N1D | BLM15HG601S N1D | FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB10, FB12, FB13, FB17 | BLM15HG601SN1D | 11 |
| SM 0805 - gap trimmed | Ferrite | Inductor | FB14, FB15, FB16 | Inductor | 3 |
| Micro USB Circular | DX4R005J91R51 00 | Micro USB | J3 | Micro USB Jack B | 1 |
| Holes Only S9015E-05- ND | S9015E-05-ND | S9015E-05-ND | JTAG/DEBUG1 | | 1 |
| VLS252012T- 2R2M1R3 | Inductor | Inductor | L1, L2, L3 | Inductor | 3 |
| Arduino Leonardo | Arduino Leonardo Power | Arduino Leonardo Power | Power & Reset1 | | 1 |
| Power J1-0603 | Res3 | Res3 | R1, R2, R3, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R22, R23, R24, R25, R26, R27, R28, R29, R30, R32, R33, R40, R41, R42, R43, R44, R45, | Resistor | 34 |
| SM 0805 - gap trimmed | Res3 | Res3 | R47 R4, R5 | Resistor | 2 |
| RESC2012L | Res3 | Res3 | R19, R20, R21 | Resistor | 3 |
| 0402 - duplicate | Res3 | Res3 | R34, R35, R36, R37, R38, R39 | Resistor | 6 |
| TL3301 PIN1 | Tactile Switch | Tactile Switch Socket | RESET1 | | 1 2 |
| JAE SJ107021 | Socket JAE SJ107021 | JAE SJ107021 microSD Card | RTCALARM1, WAKEUP1 SD1 | Socket | 1 |
| RGB LED APTF1616SE | APTF1616SEEZ GQBDC | Socket RGB LED APTF1616SEEZ | STATUS, USER STATUS | RGB LED | 2 |
| EZGQBDC CUI SJ- 43515TS | CUI 43515TS | GQBDC CUI 43515TS | Stereo Input1, Stereo Output1 | | 2 |
| | BAV70S SOT- 363 | BAV70S SOT- 363 | U1, U2, U3 | | 3 |
| WM8778 | WM8778 | WM8778 | U4 | | 1 |
| SOT486-1_V | LPC4330FBD14 4 | LPC4330FBD14 4 | U5 | 32-bit ARM Cortex-M4 MCU, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SGPIO, SCT, | 1 |
| TPS62162SO | TPS62162SOP | TPS62162SOP | U7, U8, U9 | 144-Pin LQFP | 3 |
| LM3525 | LM3525 | LM3525 | U10 | LM3525 | 1 |
| ABM3B- 12.000MHZ- | ABM3B- 12.000MHZ-B2- | ABM3B- 12.000MHZ-B2- | X1 | | 1 |
| B2-T ABS07- | T ABS07- | T ABS07- | <u>x2</u> | ABS07-32.768KHZ-T RTC Crystal | 1 |
| 32.768KHZ-T | 32.768KHZ-T | 32.768KHZ-T | | Oscillator | 163 |
| Approved N | | Notes | | T | . 30 |
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