











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	PWR2.5	1	Power jack	1
	2.1 mm power				
Arduino	jack Arduino	Arduino	Analog Input1		1
Leonardo	Leonardo	Leonardo	Artalog Input I		
Analog	Analog	Analog			
HDR2X5	Header 5X2	Header 5X2	Aux GPIO 0, Aux GPIO 1	Header, 5-Pin, Dual row	2
0402	Cap Semi	Cap Semi	C1, C2, C3, C4, C5, C6, C24, C25	Capacitor (Semiconductor SIM Model)	8
C1206	Cap Semi	Cap Semi	C7, C53, C54, C56, C57, C59, C60, C72, C73, C74	Capacitor (Semiconductor SIM Model)	10
1608[0603]	Cap Semi	Cap Semi	C8, C9, C10, C11, C12, C13, C14, C15,	Capacitor (Semiconductor SIM Model)	35
			C16, C17, C18, C19, C30, C31, C33, C34,	,	
			C35, C36, C37, C38, C39, C40, C41, C42,		
			C43, C44, C45, C46, C47, C48, C49, C62, C63, C64, C68		
Panasonic	Cap Semi	Cap Semi	C20, C22, C55, C58, C61, C71	Capacitor (Semiconductor SIM Model)	6
VS B			223, 223, 233, 233, 233, 233		-
SM 0805 -	Cap Semi	Cap Semi	C21, C23	Capacitor (Semiconductor SIM Model)	2
gap trimmed	00	00	007 000 000 000		
CAPC1608L CAPPR2.5-	Cap Semi Cap Pol1	Cap Semi Cap Pol1	C27, C28, C29, C32 C51, C52	Capacitor (Semiconductor SIM Model) Polarized Capacitor (Radial)	4
6.3x5	Сар РОП	Сар РОП	C51, C52	Polarized Capacitor (Radiar)	
SM 0805	LED2	LED2	D1, D3, D4	Typical RED, GREEN, YELLOW, AMBER	3
polarized				GaAs LED	
PMEG4050E	PMEG4050EP	Diode	D2	Default Diode	1
P HDR1X2	Header 2	Header 2	DBGEN1, TRST1	Header. 2-Pin	2
Arduino	Arduino	Arduino	Digital IO Higher Byte1	ricador, 2-1 III	1
Leonardo	Leonardo High	Leonardo High	3		
High Byte	Byte	Byte			
Arduino	Arduino	Arduino	Digital IO Lower Byte1		1
Leonardo Low Byte	Leonardo Low Byte	Leonardo Low Byte			
BLM18PG12	BLM15HG601S	BLM15HG601S	FB1, FB2, FB3, FB4, FB5, FB6, FB7,	BLM15HG601SN1D	11
1SN1D	N1D	N1D	FB10, FB12, FB13, FB17		
SM 0805 -	Ferrite	Inductor	FB14, FB15, FB16	Inductor	3
gap trimmed Micro USB	DX4R005J91R51	Mioro LICD	J3	Micro USB Jack B	1
Circular	00	MICIO USB	J3	MICTO USB JACK B	'
Holes Only					
S9015E-05-	S9015E-05-ND	S9015E-05-ND	JTAG/DEBUG1		1
ND					
VLS252012T- 2R2M1R3	Inductor	Inductor	L1, L2, L3	Inductor	3
Arduino	Arduino	Arduino	Power & Reset1		1
Leonardo	Leonardo Power	Leonardo Power			
Power					
J1-0603	Res3	Res3	R1, R2, R3, R6, R7, R8, R9, R10, R11,	Resistor	31
			R12, R13, R14, R15, R16, R17, R18, R22, R23, R24, R25, R27, R29, R32, R33, R40,		
			R41, R42, R43, R44, R45, R47		
SM 0805 -	Res3	Res3	R4, R5	Resistor	2
gap trimmed RESC2012L	Res3	Res3	R19. R20. R21	Resistor	3
0402 -	Res3	Res3	R34, R35, R36, R37, R38, R39	Resistor	6
duplicate			., ., ., ., .,		
TL3301	Tactile Switch	Tactile Switch	RESET1		1
PIN1 JAE	Socket JAE SJ107021	Socket JAE SJ107021	RTCALARM1, WAKEUP1 SD1	Socket	2
SJ107021	JAL 3310/021	microSD Card	351		'
		Socket			
RGB LED	APTF1616SEEZ	RGB LED	STATUS	RGB LED	1
APTF1616SE	GQBDC	APTF1616SEEZ			
EZGQBDC CUI SJ-	CUI 43515TS	GQBDC CUI 43515TS	Stereo Input1, Stereo Output1		2
43515TS	COI 433 IS IS	0014331313	Steleo iliputt, Steleo Outputt		
BAV70S_SO	BAV70S SOT-	BAV70S SOT-	U1, U2, U3		3
T363	363	363			
WM8778	WM8778	WM8778	U4 U5	001745464	1
SOT486-1_V	LPC4330FBD14	LPC4330FBD14	05	32-bit ARM Cortex-M4 MCU, 264 kB SRAM, 2 HS USB with on-chip PHY,	1
	7	7		Ethernet, CAN, AES, SPIFI, SGPIO, SCT,	
				144-Pin LQFP	
	TPS62162SOP	TPS62162SOP	U7, U8, U9		3
P LM3525	LM3525	LM3525	U10	LM3525	
ABM3B-	ABM3B-	ABM3B-	X1	LINOUZU	1
12.000MHZ-	12.000MHZ-B2-	12.000MHZ-B2-			
B2-T	Т	Т			
ABS07-	ABS07-	ABS07-	X2	ABS07-32.768KHZ-T RTC Crystal	1
32.768KHZ-T	32.768KHZ-T	32.768KHZ-T		Oscillator	159
Approved		Notes			100
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