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Footprint	Comment	LibRef	Designator	Description	Quantity
1608[0603]	0603	Cap Semi	C1, C2, C24, C29, C32, C33, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C64, C65, C66, C67, C68, C71, C72, C73, C74, C75, C76, C77, C78, C79	Capacitor (Semiconductor SIM Model)	
Panasonic VS D	VAS D	Cap Pol1	C3, C4, C12, C13, C16, C17	Polarized Capacitor (Radial)	
C1206	1206	Cap Semi	C5, C6, C14, C15, C18, C19	Capacitor (Semiconductor SIM Model)	
1608[0603] C1206	Cap Semi Cap Semi	Cap Semi Cap Semi	C7, C11, C30, C31 C8. C10	Capacitor (Semiconductor SIM Model) Capacitor (Semiconductor SIM Model)	
Panasonic VS C	vs c	Cap Semi, Cap Semi, Cap Semi, Cap Pol1, Cap Pol1, Cap Pol1, Cap Pol1	C9, C23, C28, C34, C35, C69, C70	Capacitor (Semiconductor SIM Model), Capacitor (Semiconductor SIM Model), Capacitor (Semiconductor SIM Model), Capacitor (Semiconductor SIM Model), Polarized Capacitor (Radial), Polarized Capacitor (Radial), Polarized Capacitor (Radial), Polarized Capacitor (Radial)	
C1206 CAPC1608L FTSH-105-XX- X-DV	1206 Tantulum Cap Semi ARM Cortex JTAG-DEBUG	Cap Semi Cap Semi ARM Cortex JTAG-DEBUG	C20, C21, C22, C25, C26, C27 C60, C61, C62, C63 CP_JTAG	Capacitor (Semiconductor SIM Model) Capacitor (Semiconductor SIM Model)	
SZMM3Z4V7	SZMM3Z4V7T1	Header D Zener	D1	Zener Diode	
T1G SM 0805	G LED1	LED1	D2	Typical RED GaAs LED	
polarized SMB	B240A-13-F	D Schottky	D3	Schottky Diode	
SK310A-TP PMEG1030E H F.I	SK310A-TP PMEG1030EH_ F.I	D Schottky PMEG1030EH_ E.I	D4, D6, D8 D5	Schottky Diode Default Diode	
SM 0805 polarized	LED2	LED2	D7, D9, D10	Typical RED, GREEN, YELLOW, AMBER GaAs LED	
1N4148WT HDR1X2	Diode 1N4148 Header 2	Diode 1N4148	D11, D12 DBGEN1, kRESET, P1, P4, TRST1	High Conductance Fast Diode	
HDR2X20	Header 20X2	Header 2 Header 20X2	EXP0	Header, 2-Pin Header, 20-Pin, Dual row	
TinyFuseATO _Carrier SM 0805 -	MiniFuse 153008 Ferrite	Fuse 1 Inductor	F1, F2, F3 FB1, FB2, FB3	Fuse	
gap trimmed SM 0805 -	MH2029-300Y	Inductor	FB4, FB5, FB6, FB9	Inductor	
gap trimmed BLM18PG12	BLM15HG601S	BLM15HG601S	FB7, FB8	BLM15HG601SN1D	
1SN1D PIN1 S9015E-05-	N1D Socket S9015E-05-ND	N1D Socket S9015E-05-ND	FET_TP_1, FET_TP_GND1 JTAG/DEBUG1	Socket	
ND CIP0530LR3 R3	Inductor	Inductor	L1	Inductor	
HDR1X3	Header 3	Header 3	Logic Source1, SPD1	Header, 3-Pin	
Molex 0705430003 MOLEX	Molex 0705430003 Molex 70543-03	Molex 0705430003 Alt Molex Endstop	M1 MAX1, MIN1	Molex 4 Pin Clip Connector	
Endstop Molex 70543-	Molex 70543-02		P2, T2	Molex 70543-02	
02 HDR1X5 con-phoenix-	Header 5 con-phoenix-508	Header 5 con-phoenix-508	P3 Power Input1	Header, 5-Pin	
508 Fairchild	FDT439N	Fairchild	Q1	N-Channel MOSFET	
FDT439N J1-0603	Res3	FDT439N Res3	R1, R7, R9, R10, R13, R14, R21, R23	Resistor	
J1-0603	0603	Res3	R2, R3, R4, R5, R6, R15, R16, R17, R18, R19, R20, R22, R24, R25, R26, R27, R28, R29, R30, R31, R34, R35	Resistor	
SM 0805 - gap trimmed	Res3	Res3	R29, R30, R31, R34, R35 R8, R11, R12	Resistor	
Resistor2512	2512	Res3	R32, R33	Resistor	
TL3301 con-phoenix- 508 - 12	Tactile Switch con-phoenic-508 12	Tactile Switch con-phoenic-508 10 1	RESET1 T1	con-phoenic-508-12	
PIN1 MIC24085-	TP4 MIC24085	Socket MIC24085	THM_TP1 U1	Socket	
AYML TI-DRB8- 1750X1500TP _V	TPS73733QDR BRQ1	TPS73733QDR BRQ1	U2, U3	Single Output Automotive LDO, 1 A, Fixed 3.3 V Output, 2.2 to 5.5 V Input, with Reverse Current Protection, 8-pin SON (DRB), 40 to 125 degC, Green (RoHS & no Sb/Br)	
MAXM- S8+4_N	MAX31855EAS A+	MAX31855EAS A+	U4	Cold Junction Compensated Thermocouple to Digital Converter, 14 Bits Temperature Resolution, -40 to 125 degC, 8-Pin SOIC	
LQFP144_N	ATSAM4E16EA- AU	ATML- ATSAM4EXEA-	U5	(S8+4), Pb-Free	
ADuM4160	ADuM4160	LQFP-144 ADuM4160	U6	USB Opto Isolator	
DRV8825 MKL05Z32VL	DRV8825 MKL05Z32VLF4	DRV8825 MKL05Z32VLF4	U7 U8	USB Opto Isolator DRV8825 Ti Stepper Driver ARM Cortex M0+	
F4	USB-B	USB-B	USB		
ABS07- 32.768KHZ-T	ABS07- 32.768KHZ-T	ABS07- 32.768KHZ-T	XI	ABS07-32.768KHZ-T RTC Crystal Oscillator	
R38	445C35A12M00 000	XTAL	X2	Crystal Oscillator	