

Reference	Value	Quantity	Digi-Key_PN	Manufacturer Part#	Footprint
CA1	0.1uf	1	399-1168-1-ND	C0805C104K3RACTU	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
CA2	4.7uf	1	399-5505-1-ND	C0805C475K3PACTU	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
CBOOT1	0.1uf 50V	1	399-1171-1-ND	C0805C104J5RACTU	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
> CF21, CF34, CF48	0.1uf	3	399-1168-1-ND	C0805C104K3RACTU	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
CFIL1	0.1uf	1	399-1171-1-ND	C0805C104J5RACTU	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
CHF1	0.22uf 50V X7R	1	399-7018-1-ND	C1206C224K5RACAUTO	Capacitor_SMD:C_1206_3216Metric
CIN1	10uf 50V	1	490-12456-1-ND	GRT31CR61H106KE01L	Capacitor_SMD:C_1210_3225Metric_Pad1.33x2.70mm_HandSolder
CMCP1	0.1uf	1	399-1168-1-ND	C0805C104K3RACTU	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
> COUT1, COUT2	22uf	2	490-12450-1-ND	GRT31CR61E226KE01L	Capacitor_SMD:C_1210_3225Metric_Pad1.33x2.70mm_HandSolder
> CQ1, CQ2	20pf	2	399-9987-1-ND	C0805C200J4GAC7800	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
CRST1	0.1uf	1	399-1168-1-ND	C0805C104K3RACTU	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
CUFG1	4.7pf 1K	1	1608-1394-1-ND	1206J1K04P70CCT	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder
CV1	0.1uf	1	399-1168-1-ND	C0805C104K3RACTU	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
CV2	10uf	1	587-2985-1-ND	TMK212BBJ106KG-T	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
CVCC1	1uf 16V min	1	399-8001-1-ND	399-8001-1-ND	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
CVDD1	1uf	1	399-8001-1-ND	399-8001-1-ND	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
D_JA1	MBR230LSFT1G	1	MBR230LSFT1GOSCT-ND	MBR230LSFT1G	Diode_SMD:D_SOD-123F
D_US1	MBR230LSFT1G	1	MBR230LSFT1GOSCT-ND	MBR230LSFT1G	Diode_SMD:D_SOD-123F
F_VDD1	220 ohm Ferrite	1	445-1568-1-ND	MPZ2012S221AT000	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
FUSE1	MF-MSMF050-2	1	MF-PSMF050X-2CT-ND	MF-MSMF050-2	Fuse:Fuse_1812_4532Metric_Pad1.30x3.40mm_HandSolder
> J_1, J_2	Conn_01x24	2			Connector_PinHeader_2.54mm:PinHeader_1x24_P2.54mm_Vertical
J_POW1	Barrel_Jack_sw_4pin	1	PJ-102AH	CP-102AH-ND	z21g:BarrelJack_CUI_PJ-102AH_Horiz_4pin
J_PWR1	Conn_01x02	1			Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical
J_SWD1	Conn_ARM_JTAG_SWD_10	1	1175-1627-ND	3220-10-0100-00	z21g:ARM_JTAG_2x05_P1.27mm_Vertical
J_USB1	USB_B_Micro	1	670-2675-1-ND	DX4R005JJ2R1800	Connector_USB:USB_Micro-B
L_DEF1	Blue	1	160-1645-1-ND	LTST-C171TBKT	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
L_PWR1	Yellow	1	160-1428-1-ND	LTST-C171KSKT	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
L_RX1	Green	1	160-1426-1-ND	LTST-C171KGKT	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
L_TX1	Red	1	160-1427-1-ND	LED RED CLEAR SMD	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
LT1	1.2uH	1	732-1093-1-ND	7440430012	z21g:L_Coil5030
Q32	32.768KHz 12.5pf	1	535-9808-1-ND	ABS07-32.768KHZ-1-T	Crystal:Crystal_SMD_MicroCrystal_CC7V-T1A-2Pin_3.2x1.5mm
RA0	10K	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RDMRST1	330	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RFBT1	100K 1%	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RGLED1	22	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RLED1	330	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RPDLED1	10K	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RPWR1	330	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RRBB1	43.2K 1%	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RRST1	10K	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RRX1	820	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RSCL1	4.7K	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RSDA1	4.7K	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RSWCLK1	1K	1	311-1.00KCRCT-ND	RC0805FR-071KL	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder

RSWRST1	39 1%	1	A129732CT-ND	CRGCQ0805F39R	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RTX1	820	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RUFG1	1Meg	1			Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
SW_RST1	SW_SPST	1	CKN10684CT-ND	KMR621NG LFS	Button_Switch_SMD:SW_Push_1P1T_NO_CK_KMR2
U_ATSAMD21G18	ATSAMD21G18A-AUT	1	ATSAMD21G18A-AUTCT- ND	ATSAMD21G18A-AUT	Package_QFP:TQFP-48_7x7mm_P0.5mm
U_LMR33630	LMR33630CDDA	1	296-49767-1-ND	LMR33630CDDAR	Package_SO:Texas_HSOP-8-1EP_3.9x4.9mm_P1.27mm_ThermalVi
U_MCP23008	MCP23008	1	MCP23008T-E/SSCT-ND	MCP23008T-E/SS	z21g:SSOP-20_5.3x7.2mm_P0.65mm_fix
U_NMOS2	2N7002PW.115	1	1727-4793-1-ND	2N7002PW,115	Package_TO_SOT_SMD:SOT-323_SC-70_Handsoldering
U_PRTR5	PRTR5V0U2X	1	1727-3884-1-ND	PRTR5V0U2X,215	Package_TO_SOT_SMD:SOT-143

Spare parts of interest:

SOLDER PASTE LOW TEMP		1	Digi# 2260-SSLTNC-T5-15G-ND	SSLTNC-T5-15G	
DESOLDER BRAID ROSIN 0.03" 5'		1	Digi# 473-1060-ND	MP# 423	
Long Pin Stacking Header 1x24	Two 24 pin jacks .100 pitch		Adafruit #3366	Cut down - 36-pin Stacking header - pack of 5!	

Used to program the bootloader	Microchip Atmel-ICE debugger with access ATATMEL-ICE-ND		ATATMEL-ICE
	or		
	EMU FOR SAM AND AVR MCU PCB ONLY	ATATMEL-ICE-PCBA-ND	ATATMEL-ICE-PCBA
	CABLE SAM ICE	ATATMEL-ICE-CABLE-ND	ATATMEL-ICE-CABLE