RefDes	Value	Description	Part Number	Digikey	Quantity	Cost	Total
C1, C2	47pF	CAP CER 47PF 50V COG/NPO 0603	CL10C470JB81PNC	digikey	2	0.15	0.3
C3, C8, C11, C12, C15	0.1uF	CAP CER 0.1UF 50V X7R 0603	CL10B104KB8NNWC	digikey	5	0.15	0.75
C4	0.22uF	CAP CER 0.22UF 25V X7R 0603	CL10B224KA8NNNC	digikey	1	0.15	0.15
C5, C6	10pF	CAP CER 10PF 50V COG/NP0 0603	CL10C100CB8NNNC	digikey	2	0.15	0.3
C7, C14	10uF	CAP CER 10UF 10V X5R 0603	CL10A106MP8NNNC	digikey	2	0.15	0.3
C9, C10	7pF	CAP CER 7PF 50V COG/NP0 0603	CL10C070DB8NNNC	digikey	2	0.15	0.3
C13	1uF	CAP CER 1UF 10V X7R 0603	CL10B105KP8NNNC	digikey	1	0.15	0.15
D1		TVS DIODE 5.5VWM SOT143B	PRTR5V0U2X,215	digikey	1	0.75	0.75
D2, D3	Amber	Amber 589nm LED Indication - Discrete 2V 0805	B1701UY20D000214U1930	digikey	2	0.16	0.32
J1	Micro B, Receptacle	CONN RCPT USB2.0 MICRO B SMD R/A	10118193-0001LF	digikey	1	0.68	0.68
J2	SWD Programmer	HEADER DUAL 1.27MM VERT T-H 10PO	BD120-10-A-0305-0229-L-B	digikey	1	2.15	2.15
L1, L2		600 Ohms @ 100 MHz 1 Power Line Ferrite Bead 0603 (1608 Metric) 1.5A 100mOhm	74269262601	digikey	2	0.26	0.52
R1, R2	27R	RES 27 OHM 1% 1/10W 0603	RC0603FR-0727RL	digikey	2	0.16	0.32
R3, R4, R5	330R	RES 330 OHM 1% 1/8W 0603	RK73H1JTTD3300F	digikey	3	0.16	0.48
R6	2.2k	RES 2.2K OHM 1% 1/10W 0603	RC0603FR-072K2L	digikey	1	0.1	0.1
R7, R8	33k	RES 33K OHM 1% 1/10W 0603	RC0603FR-1033KL	digikey	2	0.16	0.32
S1	Button	SWITCH TACTILE SPST-NO 0.05A 24V	1825910-6	digikey	1	0.2	0.2
J3, J4	header	CONN HEADER VERT 10POS 2.54MM	PH1-10-UA	digikey	2	0.25	0.5
U1	USB	IC USB TO I2C/UART 14TSSOP	MCP2221AT-I/ST	digikey	1	4.65	4.65
U2	MCU	IC MCU 32BIT 256KB FLASH 32VQFN	ATSAMC21E18A-MUT	digikey	1	6.9	6.9
Y1	32MHz	CRYSTAL 32.0000MHZ 13PF SMD	ECS-320-13-42-CKM-TR	digikey	1	1.84	1.84
Y2	32.768kHz	CRYSTAL 32.7680KHZ 12.5PF SMD	ECS327-12.5-34R-C-TR	digikey	1	1.24	1.24
							23.22