

Parts	Qty	Value	Package	Description	MPN
C1	1	10n	0603	Capacitor	
C2, C6, C11	3	100n	0603	Capacitor	
C8	1	1u	0603	Capacitor	
C9, C10	2	22pF	0603	Capacitor	
C3	1	4.7u	0805	Capacitor	
C4	1	10u	0805	Capacitor	
C5	1	100n	0805	Capacitor	
C7	1	1u	0805	Capacitor	
C12	1	100u	0805	Capacitor	
C13	1	10u	0805	Capacitor	
LED	1	WS2812B	WS2812B	Neopixel	
F1	1	250mA	1206	Resettable Fuse PTC	
L1, L2	2	BLM18PG221SN1D	0603	Ferrite bead	
R1	1	10k	0603	Resistor	
R2, R3	2	4.7k	0603	Resistor	
R4, R6	2	56k	0603	Resistor	
R5	1	330	0603	Resistor	
Y1	1	32,768Khz	CRYSTAL-SMD-2.0X1.2	Crystal 32,768Khz 2.0X1.2mm	
U1	1	MCP1700, XC6206 etc..	SOT23-3	250 mA LDO Regulator	
U2	1	ATSHA204A	SOT23-3	Signing ic	
U3	1	24AA02E64T-I/OT	SOT-23-5	EUI64 I2C Eeprom	
U4	1	ATSAMD21E17A-AU	TQFP32	ATSAMD21ESAMD	
U5	1	TPD2E1B06DRLR	SOT-553-6		
U6	1	RADIO		RFM69HCW/RFM95	
RESET	1	1101NE	2pins tactile switch	1101NE tactile switch	
X1	1	USB		USB A Male	
	1	SMA	SMA_EDGE	SMA Connector	