

Schematic ID(s)	Description	Footprint	Manufacturer ID	Manufacturer	Quantity	Individual \$	Total \$	Notes
C1, C2, C15, C21	Crystal Capacitors 12pF	0603 Capacitor	VJ0603A120FXACW1BC	Vishay	4	\$0.26	\$1.04	
C3, C9, C16, C17, C18, C23	Bypass Capacitor 100nF	0603 Capacitor	C1608X7R1H104K080AE	TDK	6	\$0.25	\$1.50	
C4, C7, C10	Bypass Capacitor 10uF	1206 Capacitor	CNC5L1X7R1C106K160AE	TDK	3	\$0.49	\$1.47	
C5, C6	Antenna Tuning Capacitors	0603 Capacitor			2		\$2.00	TBD
C8, C11, C12, C14, C19	Bypass Capacitor 1uF	0603 Capacitor	C1608X7R1E105K080AE	TDK	5	\$0.24	\$1.20	
C13, C24	Misc./Bypass Capacitor 10nF(10%)	0603 Capacitor	C1608X7R2A103K080AE	TDK	2	\$0.19	\$0.38	
C20	Bypass Capacitor 100pF	0603 Capacitor	C1608C0G1H101J080AE	TDK	1	\$0.17	\$0.17	
C22, C25	Bypass Capacitor 2.2uF	0603 Capacitor	C1608X7R1A225K080AE	TDK	2	\$0.27	\$0.54	
C26	Misc. Capacitor 470nF	0603 Capacitor	C1608X7R1E474K080AE	TDK	1	\$0.25	\$0.25	
D1	Red LED 2.1v, 10mA	0603 LED	SM0603URC	Bivar	1	\$0.55	\$0.55	
D2, D3	Green LED 2.1v 10mA	0603 LED	SM0603GC	Bivar	2	\$0.84	\$1.68	
J3	Molex Picoblade	Custom	53261-7002	Molex	1	\$1.03	\$1.03	
L1, L3	Antenna Tuning Inductors	0603 Inductor			2		\$2.00	TBD
L2	Filter Inductor 2nH	0603 Inductor	0603CT-2N0XJLW	Coilcraft	1	\$0.95	\$0.95	
R1	Harmonic Reduction Resistor 22ohm	0603 Resistor	CRCW060322R0FKEAC	Vishay	1	\$0.10	\$0.10	
R2	Harmonic Reduction Resistor 470ohm	0603 Resistor	CRCW0603470RFKEAC	Vishay	1	\$0.10	\$0.10	
R3	Crystal Drive Limit Resistor 0ohm	0603 Resistor	CRCW06030000Z0EAC	Vishay	1	\$0.10	\$0.10	
R4, R5, R6	LED Current Limit Resistors 120ohm	0603 Resistor	CRCW0603120RFKEAC	Vishay	3	\$0.10	\$0.30	
R7, R8	I2C Pullup Resistors 12kOhm	0603 Resistor	CRCW060312K0FKEAC	Vishay	2	\$0.10	\$0.20	
U1	MCP130 Supervisory IC	SOT-23	MCP130T-270I/TT	Microchip	1	\$0.47	\$0.47	
U2	ADP124 Linear Voltage Regulator IC	LFCSP-8_2x2mm_0.5pitch	ADP124ACPZ-3.3-R7	Analog Devices	1	\$1.47	\$1.47	
U3	ESP32 Microcontroller	QFN48_5x5mm_1EP	ESP32-U4WDH	Espressif	1	\$1.60	\$1.60	+\$7 for mousreel fee
U4	ADP150 Linear Voltage Regulator IC	TSOT-23-5	ADP150AUJZ-1.8-R7	Analog Devices	1	\$1.12	\$1.12	
U5	ICM-20601 IMU	LGA-16_3x3_P0.5mm	ICM-20601	TDK	1	\$9.10	\$9.10	
U6	FM24V01 8kbyte FeRAM	SOIC-8_3.9x4.9mm_P1.27mm	FM24V01A-G	Cypress Semi.	1	\$4.47	\$4.47	
Y1	32.768kHz 10pF Crystal	2012 2pin Crystal	ECS-.327-9-12RR-TR	ECS	1	\$1.17	\$1.17	
Y2	40MHz 10pF Crystal	2520 4pin Crystal	ECS-400-9-36B-CKY-TR	ECS	1	\$0.44	\$0.44	

Total : 49

Total : \$35.4