



Designator	Quantity	Comment	Description
C25	1	10nF	10nF 0402 X7R 25V ±5%
C26	1	1nF	1nF 0402 X7R 50V ±10%
C14, C15	2	1uF	1uF 0603 X5R 10V ±10%
C27	1	2.2nF	2.2nF 0402 X7R 50V ±10%
C28	1	33nF	33nF 0402 X7R 50V ±10%
C18	1	4.7uF	4.7uF 0603 X5R 10V ±10%
C6, C11, C12, C23, C24	5	100nF	100nF 0402 X7R 16V ±10%
C9	1	10uF	10uF 0603 X5R 6.3V ±20%
R2	1	22R	22R 0402 1/16W ±1%
R13	1	390K	390K 0402 1/16W ±1%
R29	1	220K	220K 0402 1/16W ±1%
R17	1	22.6R	22.6R 0402 1/16W ±0.05R
R18	1	130R	130R 0402 1/16W ±0.05R
R19	1	24.9R	24.9R 0402 1/16W ±0.05R
R30	1	1.5M	1.5M 0402 1/16W ±1%
R23, R33	2	680K	680K 0402 1/16W ±1%
R34, R35, R36	3	0R	0R 0402 1/16W ±0.05R
R37	1	22K	22K 0402 1/16W ±1%
R5, R6, R14, R22, R26, R28, R32	7	100K	100K 0402 1/16W ±1%
R9, R11, R25	3	10K	10K 0402 1/16W ±1%
D1	1	SMLVN6RGB1W1	ROHM SMLVN6RGB1W1 LED Tri-Color Blue/Green/Red Chip LED 6-Pin 1411 T/RLED Tri-Color Blue/Green/Red Chip LED
D2, D3	2	PD15-22C/TR8	Everlight PD15-22C/TR8 Silicon PIN Photodiode
A1	1	2450AT18D0100	JOHANSON TECHNOLOGY 2450AT18D0100 ANTENNA, CERAMIC, 2.45GHZ
B1	1	2450BM14A0002T	Johanson Technology Impedance Matched Balun Filter Integrated Passive for nRF24L01
U11	1	nRF24L01+	Nordic Semi Ultra low power 2.4GHz RF Transceiver IC
U3	1	A3901SEJTR-T	ALLEGRO MICROSYSTEMS - A3901SEJTR-T - IC, MOTOR DRIVER
U4	1	LSM6DS3	STMicroelectronics iNEMO inertial module: 3D accelerometer and 3D gyroscope
U5	1	ADP122ACPZ-3.3-R7	Analog Devices ADP122ACPZ-3.3-R7 - 5.5 V Input, 300 mA, Low Quiescent Current, CMOS Linear Regulator
U8	1	MCP73831T-2ACI/OT	Miniature Single-Cell, Fully Integrated Li-Ion, Li-Polymer Charge Management Controller, 4.2V, 5-Pin SOT-23, Industrial