



Designator	Quantity	Comment	Description
A1	1	142-4701-801	JOHNSON 142-4701-801 SMA FEMELLE REVERSE POLARITY TERMINAISON
B1	1	2450BM14A0002T	Johanson Technology Impedance Matched Balun Filter Integrated Passive for nRF24L01
C1, C14	2	10nF	10nF 0402 X7R 25V ±5%
C2, C10, C11	3	1uF	1uF 0603 X5R 10V ±10%
C3	1	4.7uF	4.7uF 0603 X5R 10V ±10%
C4, C5, C6, C7, C12, C13	6	100nF	100nF 0402 X7R 16V ±10%
C8, C9, C18, C19	4	22pF	22pF 0402 NP0/CG0 50V ±5%
C15	1	1nF	1nF 0402 X7R 50V ±10%
C16	1	2.2nF	2.2nF 0402 X7R 50V ±10%
C17	1	33nF	33nF 0402 X7R 50V ±10%
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 6-Pin 1411
D2	1	BLUE LED	BRIGHT BLUE LED 20mA
J1	1	48037-2200	Molex USB 2.0 Connector Plug USB Type A
R1, R2, R3, R9	4	22R	22R 0402 1/16W ±1%
R4, R5	2	100K	100K 0402 1/16W ±1%
R6	1	22.6R	22.6R 0402 1/16W ±0.05R
R7	1	130R	130R 0402 1/16W ±0.05R
R8	1	24.9R	24.9R 0402 1/16W ±0.05R
R10	1	0R	0R 0402 1/16W ±0.05R
R11, R12	2	0402-NC	NOT CONNECTED
R13	1	22K 0402 1/16W ±1%	22K 0402 1/16W ±1%
R14	1	1M	1M 0402 1/16W ±1%
R15	1	1.5K	1.5K 0402 1/16W ±1%
U1	1	STM32F103CBU6	STMICROELECTRONICS STM32F103CBU6 ARM Cortex-M3, 72 MHz, 128 KB, 20 KB, 48, VQFPN
U2	1	ADP122ACPZ-3.3-R7	Analog Devices ADP122ACPZ-3.3-R7 - 5.5 V Input, 300 mA, Low Quiescent Current, CMOS Linear Regulator
U3	1	nRF24L01+	Nordic Semi Ultra low power 2.4GHz RF Transceiver IC
Y1, Y2	2	7V-16.000MAAE-T	TXC - 7V-16.000MAAE-T, 16MHZ, 30PPM, 12PF - CRYSTAL