

BOM ESP32-WROOM-DA-N4							
Item	Quantity	Reference	Value	Package	ICs	Description	Notes
1	3	C1, C45, C46	22 pF / 50 V (5%), -55 ~ +125 °C	C0201	Capacitor	Ceramic Capacitors	
1	1	C2	27 pF / 50 V (5%), -55 ~ +125 °C	C0201	Capacitor	Ceramic Capacitors	
2	4	C3, C42, C43, C44	100 pF / 50 V (5%), -55 ~ +125 °C	C0201	Capacitor	Ceramic Capacitors	
3	4	C4, C9, C10, C19	0.1 uF / 6.3 V (10%), -55 ~ +85 °C	C0201	Capacitor	Ceramic Capacitors	
4	1	C5	10 nF / 6.3 V (10%), -55 ~ +125 °C 10 nF / 10 V (10%), -55 ~ +125 °C	C0201 C0201	Capacitor Capacitor	Ceramic Capacitors Ceramic Capacitors	
5	1	C6	3.3 nF / 6.3 V (10%), -55 ~ +125 °C	C0201	Capacitor	Ceramic Capacitors	
6	3	C11, C18, C20	1 uF / 6.3 V (20%), -55 ~ +85 °C	C0201	Capacitor	Ceramic Capacitors	
7	1	C13	10 uF / 6.3 V (20%), -55 ~ +85 °C 10 uF / 10 V (20%), -55 ~ +85 °C	C0402 C0402	Capacitor Capacitor	Ceramic Capacitors Ceramic Capacitors	
8	1	C14	2.7 pF / 50 V (0.1 pF), -55 ~ +125 °C	C0201	Capacitor	Ceramic Capacitors	RF 匹配物料
9	1	C15	1.5 pF / 50 V (0.1 pF), -55 ~ +125 °C	C0201	Capacitor	Ceramic Capacitors	RF 匹配物料
10	1	L4	2.2 nH (0.1 nH), -55 ~ +125 °C	L0201	Inductor	Inductor	RF 匹配物料
11	1	C37	TBD	C0201	Capacitor	Ceramic Capacitors	RF 匹配物料
12	1	C38	TBD	C0201	Capacitor	Ceramic Capacitors	RF 匹配物料
13	1	L3	3.0 nH (0.1 nH), -55 ~ +125 °C	L0201	Inductor	Inductor	RF 匹配物料
14	1	C39	TBD	C0201	Capacitor	Ceramic Capacitors	RF 匹配物料
15	1	C40	TBD	C0201	Capacitor	Ceramic Capacitors	RF 匹配物料
16	1	L6	3.0 nH (0.1 nH), -55 ~ +125 °C	L0201	Inductor	Inductor	RF 匹配物料
17	1	L5	2.0 nH (0.1 nH), 600 mA, -55 ~ +125 °C	L0201	Inductor	Inductor	
18	1	R2	100 Ω (5%), 1/20 W, -55 ~ +125 °C	R0201	Resistor	Chip Resistors	
19	1	R3	499 Ω (1%), 1/20 W, -55 ~ +125 °C 499 Ω (1%), 1/20 W, -55 ~ +155 °C	R0201	Resistor	Chip Resistors	
20	1	R1	20 KΩ (5%), 1/20 W, -55 ~ +125 °C 20 KΩ (5%), 1/20 W, -55 ~ +155 °C	R0201	Resistor	Chip Resistors	
21	2	R12, R13	10 KΩ (5%), 1/20 W, -55 ~ +125 °C 10 KΩ (5%), 1/20 W, -55 ~ +155 °C	R0201	Resistor	Chip Resistors	
22	2	R14, R15	0 Ω (5%), 1/20 W, -55 ~ +125 °C	R0201	Resistor	Chip Resistors	
23	1	D1	TVS Diode, Bi-Direction, 3.3V, -55 ~ +150 °C	SOD882	ESD / TVS	TVS Diode, 3.3 V	
24	1	U1	40 MHz, ±10 ppm, 15 pF, 100 uW, -40 ~ +85 °C 40 MHz, ±10 ppm, 15 pF, 100 uW, -40 ~ +105 °C	CRYN/SMD/4P/3.2X2.5	Crystal	40MHz Crystal	First Source Second Source
25	1	U2	ESP32-D0WD-V3, Wi-Fi + BT + MCU, -40 ~ +125 °C	QFN48EB 0P35 5	Chip	Wi-Fi + BT + MCU	
26	1	U3	2.7 ~ 3.6 V, 32 Mbit, Standard&Dual&Quad SPI, -40 ~ +85 °C	SOP8-208mil&150mil	Chip	3.3 V SPI FLASH	First Source Second Source
27	1	U9	RTC6603SP	SOT-363	Chip	SPDT Switch	
28	1	shield cover	ESP32-WROOM-DA V1.0 shield cover	-	-	-	
29	1	PCB	ESP32-WROOM-DA V1.1, 4L, 34.4 mm * 35.6 mm * 1.0 mm, HF, 50 Ω angle end impedance control	-	-	-	