

05 BOM List ESP32-H2-MINI-1 2023/08/15						
Item	Quantity	Reference	Value	Package	ICs	Notes
1	1	C1	10 pF	C0201	Capacitor	
2	1	C4	15 pF	C0201	Capacitor	
3	1	C2	10 nF	C0201	Capacitor	
4	5	C8, C10, C13, C17, C19	0.1 uF	C0201	Capacitor	
5	2	C5, C7	1 uF	C0201	Capacitor	
6	1	C6	10 uF	C0402	Capacitor	
7	1	C11	1.8 pF	C0201	Capacitor	RF Matching
8	1	C12	1.8 pF	C0201	Capacitor	RF Matching
9	1	L2	2.6 nH	L0201	Inductor	RF Matching
10	1	R2	0 Ω	R0201	Resistor	
11	1	R3	499 Ω	R0201	Resistor	
12	1	R4	24 nH	R0201	Inductor	
13	1	D1	TVS Diode, Bi-Direction, 3.3 V	SOD882	ESD / TVS	
14	1	Y1	32 MHz, ± 10 ppm, 9 pF	XTAL3225	Crystal	
15	1	U2	ESP32-H2	QFN32 0P4 4 E2P8	Chip	
16	1	ShieldBox	ShieldBox, 11.95 * 9.95 * 1.6 mm, Drill Diameter = 0.5 mm, Thickness = 0.15 mm	-	-	
17	1	PCB	ESP32-H2-MINI-1, 4L, 13.2 * 16.6 * 0.8 mm, Halogen-free, Matte black for Solder mask and white for silkscreen, immersion gold and 50 Ω impedance control.	-	-	