

Quantity	Comment	Footprint	Description	Designator
2	1K	R0805	RESISTOR, SMD	R2, R4
1	1M/1W	R1W_AX06	RESISTOR, THD	R8
6	1N4007	D_SMA	DIODE, GENERAL PURPOSE, 1000V/1A	D1, D2, D3, D4, D5, D6
1	1N5822	D_SMA	DIODE, SCHOTTKY, 40V, 3A	D7
1	1uF	C0805	CAP, MLCC, -F, -V, MATERIAL, -%, 0201	C24
1	1uF/400V	C_PLY_22X7	CAP, FILM,	C17
1	3.3uH	L_7	INDUCTOR, 3.3uH, 8A (Irms), 10mOhm	LP1
1	10K	R0805	RESISTOR, SMD	R9
2	10uF	C0805	CAP, MLCC, -F, -V, MATERIAL, -%, 0201	C18, C23
1	47uF	C_EL_5	CAP, THD, ELEC,	C16
1	68R	R3W_AX09	RESISTOR, THD	R7
2	100nF	C0603	CAP, MLCC, -F, -V, MATERIAL, -%, 0201	C1, C2
2	470uF	C_EL_8	CAP, THD, ELEC,	C3, C4
2	C945	SOT23_3	BJT, NPN, 50v, 0.15A, THD, TO92, BC945	Q1, Q2
3	CONN_TB2	TBB_2	CONN, TERMINAL BLOCK, 5.08mm pitch	J1, J2, J3
1	ESP32-WROOM-32E	ESP32S	WiFi with Bluetooth 4.0	U3
1	LM2596HVS	D2PAK_5		U1
2	RELAY_SPDT	REL_SPDT_5_1512	Relay, SPDT, 5P, 15.4X12.1mm, 16V/30A	K1, K2
2	ZENER24V0	D_SMA	DIODE, ZENER, 1W, 5.6V	D8, D9