

KC101-Tuya Smart Controller Component list

ID	Component	description	Part No.	quantity
1	antenna	433MHz antenna	ANT	1
2	capacitance	104/100nF/50V	C1, C2, C4, C6, C7,C3, C5, C10	8
3	capacitance	1.8pF/±0.25 (SMT)	C8	1
4	capacitance	6.8pF/±0.25 (SMT)	C9	1
5	LED	Red color	D1, D4, D7, D8, D10, D12	6
6	diode	1N4007	D2, D6, D9, D11	4
7	rectifier bridge	DBL207S (SMT)	D3	1
8	diode	SS36 (SMT)	D5	1
9	electrolytic capacitor	100uF/16V	E1, E3, E4	3
10	electrolytic capacitor	220uF/50V	E2	1
11	relay	Relay-SPDT-5V	K1, K2, K3, K4	4
12	inductance	68uH/1.9A	L1	1
13	inductance	27nH/±5%/ (SMT)	L2	1
14	inductance	47nH/±5%/ (SMT)	L3	1
15	input terminal	WJ124-3.81-6P	P1	1
16	relay terminal	EDG508-12P	P2	1
17	triode	S8050	Q1, Q2, Q3, Q4	4
18	resistance	10KΩ/±5%/ 1/8W	R1, R3, R6, R11, R18	5
19	resistance	1KΩ/±5%/ 1/8W	R2, R4, R8, R10, R13	5
20	resistance	1.5KΩ/±5%/ 1/8W	R5, R7, R9, R12	4
21	resistance	3KΩ/ ±5% / 1/4W	R14, R15, R16, R17,R19	5
22	button		SW1, SW2, SW3, SW4, SW5	5
23	IC	LM1117-3V3	U1	1
24	IC	XL1509-5	U2	1
25	WiFi module	Tuya	U3	1
26	IC	WS490F	U4	1
27	optocoupler	EL357	U5, U6, U7, U8	4
28	crystal oscillator	13.52127M	Y1	1
29	PCB			1
30	plastic shell			1