

IKEA Oven Controller BOM

Reference	Qty	Value	Footprint
Resistors			
R3,R5,R10,R11,R12,R13,R17,R19	8	100R	SMD 0805
R14	1	220R	SMD 0805
R1,R4,R6,R7,R8,R9,R15,R16,R18	9	10k	SMD 0805
R2	1	150k	SMD 0805
Capacitors			
C1,C6,C7,C8	4	220nF	SMD 0805
C3,C5	2	220nF	SMD 1206
C4	1	470uF/25V	Radial D10.0mm P5.0mm
C2	1	1500uF/6,3V	Radial D8.0mm P3.5mm
Diodes			
D1,D2	2	1N4007	SMA DO214AC
D3	1	2.4V	MINIMELF
Transistors			
T1	1	AO3401	SOT23
T2,T3	2	AO3400	SOT23
Integrated circuit			
IC1	1	AMS1117-3.3	Package TO SOT SMD:SOT-223-3 TabPin2
Modules			
MOD1	1	ESP-12F	RF Module:ESP-12E
PS1 / PS2	1	IRM-03-5 / HLK-5M05	ACDC MeanWell IRM-03-xx / HiLink HLK-5MXX
Display			
DSP1	1	LCD	Display LCD ST7789 170x320
Relay			
RE1	1	RFH54005WG	Relay RFH34XXXWG RFH54XXXWG
Buzzer			
SP1	1	BUZZER 5V (active tone)	Buzzer D12.0mm P6.5mm P7.6mm
Connectors			
CON1	1	Temperature probe	Original from IKEA Oven
CON2	1	Programmer	MA03
CON5,CON6	2	L,N	Connector FASTON 6.3mm Vertical