

# T12 Soldering Station - BOM

Qty	Reference(s)	Value	Footprint
<b>Resistors</b>			
1	R17	0R	SMD 0805
4	R3, R7, R10, R15	10R	SMD 0805
3	R2, R12, R14	1k	SMD 0805
10	R5, R6, R8, R9, R13, R19, R20, R21, R24, R25	4k7	SMD 0805
2	R1, R22	10k	SMD 0805
3	R4, R11, R16	100k	SMD 0805
1	R18	249k	SMD 0805
2	R23, R26	NC	SMD 0805
<b>Capacitors</b>			
2	C9, C10	1nF	SMD 0805
1	C2	10nF	SMD 0805
10	C1, C4, C8, C11, C12, C13, C14, C15, C16, C18	100nF	SMD 0805
1	C5	220nF	SMD 1206
1	C3	1uF	SMD 1206
1	C6	10uF	SMD 1206
2	C7, C17	22uF	SMD 0805
<b>Diodes</b>			
1	D6	BAT54C	SMD SOT23
4	D1, D2, D3, D5	M7	SMA DO214AC
1	D4	LED Green	SMD 0805
<b>Transistors</b>			
1	T1	2N7002	SMD SOT23
2	T2, T4	AO3400	SMD SOT23
1	T3	TPC8107	SMD SO08
<b>Crystals</b>			
1	X1	32.768kHz, 6pF	Crystal 3x8mm
<b>Integrated circuits</b>			
1	IC2	OPA336NA / SGM8551	SOT23-5
1	IC4	24LC08	SO08
1	IC5	STM32F103CBT6	LQFP-48 7x7mm P0.5mm
1	IC3	AMS1117-3.3	SOT-223-3
1	IC1	L7809	TO220V
<b>Encoder</b>			
1	ENC1	ROTARY ENCODER	Rotary Mechanical Encoder
<b>Display</b>			
1	DSP1	OLED I2C	Display OLED I2C 1.3 inch
<b>Buzzer</b>			
1	SP1	BUZZER	Buzzer D9.0mm P5.0mm 0905
<b>Connectors</b>			
5	CON1, CON2, CON5, CON7, CON11		PSH02 02P V
1	CON6		MA02 1
1	CON10		GX12 5 pin