

rt_solder_simple_V1.2

Qty	Value	Device	Package	Parts	Description	Comment	Link
3	10nF	C-EU050-035X075	C050-035X075	C6, C7, C8	CAPACITOR,		
5	100nF	C-EU050-035X075	C050-035X075	C3, C4, C9, C10, C11	CAPACITOR,		
1	TLC27L2ACP	TLC27L2ACP	DIL08	IC3	DUAL OPERATIONAL AMPLIFIERS		
1	22μH or 10R	L-EU0207/10	0207/10	L1	INDUCTOR,		
1	BOOT	JP1E	JP1	JP2	JUMPER	to enable bootloader	
1	MEGA8-P	MEGA8-P	DIL28-3	IC1	MICROCONTROLLER	needs bootloader	
1	2N7000 N-CH	VN2222KM	TO237	Q1	N-Channel MOSFET		
1	IRF5305 P-CH	IRF9530	TO220BV	Q3	P-CHANNEL POWER-MOS-FET		
1	LCD	PINHD-2X7	2X07	JP1	PIN HEADER	optional	
1	LED	MA03-1	MA03-1	SV4	PIN HEADER		
1	POTI	MA03-1	MA03-1	SV1	PIN HEADER	Poti to set temperatur 1K-50K	
1	UART	MA03-1	MA03-1	SV2	PIN HEADER	optional	
1	4.7μF 10V	CPOL-EUE2.5-6	E2,5-6	C1	POLARIZED CAPACITOR		
2	470μF 16V	CPOL-EUE3.5-10	E3,5-10	C2, C5	POLARIZED CAPACITOR,		
1	100R	R-EU_0207/10	0207/10	R6	RESISTOR,		
1	470R	R-EU_0207/10	0207/10	R2	RESISTOR,		
1	68k	R-EU_0207/10	0207/10	R5	RESISTOR,		
2	5k6	R-EU_0207/10	0207/10	R4, R7	RESISTOR,		
1	47k	R-EU_0207/10	0207/10	bodge	RESISTOR,	to fix tmperature mesaurement	
4	1k	R-EU_0207/10	0207/10	R3, R8, R11, R12	RESISTOR,		
1	78L05	78XXS	78XXS	IC2	VOLTAGE REGULATOR		
1	POWER	W237-02P	W237-132	X1	WAGO SREW CLAMP	optional	
1	Solder	W237-3E	W237-3E	X2	WAGO SREW CLAMP	optional	