

Comment	Description	Designator	Footprint	LibRef	Quantity
470uF 25V		C1	CapElec_8x16_3.5mm	Capacitor_Elec	1
4.7uF		C2, C9	C0603	Capasitor	2
0.33uF		C3	C0603	Capasitor	1
0.1uF	X7R 50B 10% 0603, [NoValue]	C4, C10, C11, C13, C18, C19, C20, C21	C0603	Capasitor	8
100uF 10V		C5	CapElec_5x11_2mm	Capacitor_Elec	1
22uF 10V		C6	TANT-B	Capasitor_Tantalum	1
0.01uF		C7, C14	C0603	Capasitor	2
100pF		C8, C15	C0603	Capasitor	2
1uF	X7R 1мкФ 16B 10% 0603	C12	C0603	Capasitor	1
47pF 2%	COG 47пФ 100B 2% 0603	C16, C17	C0603	Capasitor	2
L7805	Linear Voltage Regulator IC 1 Output 1.5A TO- 220AB	DA1	TO-220A	L75xx	1
10uH		L3	IND1206	Inductivity	1
ICSP		P1	2x3 Male Header Through Hole Pitch 2.54 mm	ICSP	1
Terminal 3.81mm		P2, P3	Terminal 2x 3.81mm	Terminal 3.81mm	2
Header 7X2	Header, 7-Pin, Dual row	P?	HDR2X7	Header 7X2	1
IRF7307	Mosfet Array N and P- Channel 20V 5.2A, 4.3A 2W Surface Mount 8-SO	Q1, Q2, Q3, Q4	SOIC-8	IRF7307	4
10k 5%		R1, R2, R4, R6, R7	R0603	Resistor	5
10M 5%		R3	R0603	Resistor	1
300 5%		R5	R0603	Resistor	1
Button	SWITCH TACTILE SPST- NO 0.05A 32V	RESET	KMR221GLFS	Button	1
ATMega328PB-AU	AVR AVR® ATmega Microcontroller IC 8- Bit 20MHz 32KB (16K x 16) FLASH 32-TQFP (7x7)	U1	TQFP-32 (7x7)	ATMega328P	1
CD40107BM	NAND Gate IC 2 Channel Open Drain 8-SOIC	U2	SOIC-8	CD40107BM	1
IRLML6344TRPBF	N-Channel 30V 5A (Ta) 1.3W (Ta) Surface Mount Micro3™/SOT-23	VT1, VT2	SOT-23-3	IRLML6344TRPBF	2
20.000MHz		Y1	HC-49S	Crystal	1