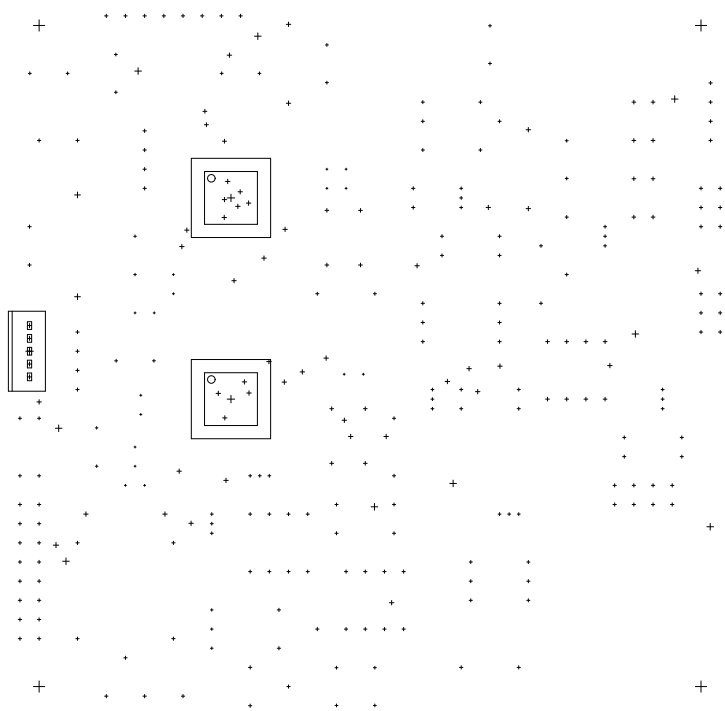


Symbol	Hit Count	Tool Size	Plated	Hole Type
⌘	3	21mil (0.533mm)	PTH	Round
▽	16	21.654mil (0.55mm)	PTH	Round
☆	5	23mil (0.584mm)	PTH	Round
▽	30	23.622mil (0.6mm)	PTH	Round
⌘	7	27.559mil (0.7mm)	PTH	Round
⌘	2	28mil (0.711mm)	PTH	Round
◇	39	31.496mil (0.8mm)	PTH	Round
□	48	33.465mil (0.85mm)	PTH	Round
○	9	35mil (0.889mm)	PTH	Round
○	92	35.433mil (0.9mm)	PTH	Round
☆	24	40mil (1.016mm)	PTH	Round
⌘	5	43.307mil (1.1mm)	PTH	Round
⌘	6	47.244mil (1.2mm)	PTH	Round
⌘	2	61.024mil (1.55mm)	PTH	Round
◇	4	118.11mil (3mm)	PTH	Round
292 Total				

Drill Drawing.



Comment	Description	Designator	LibRef	Quantity	Value
Cap2	Capacitor	C5	Cap2	1	1000uF
Res1	Resistor	R14	Res1	1	480
Res1	Resistor	R13	Res1	1	480
Res1	Resistor	R20	Res1	1	330
Cap2	Capacitor	C4	Cap2	1	100uF
Res1	Resistor	R19	Res1	1	33K
Ceramic Capacitor	Ceramic Capacitor	C15	Ceramic Capacitor	1	22pF
Ceramic Capacitor	Ceramic Capacitor	C14	Ceramic Capacitor	1	22pF
Res1	Resistor	R22	Res1	1	10K
Res1	Resistor	R17	Res1	1	10K
Res1	Resistor	R11	Res1	1	10K
Res1	Resistor	R10	Res1	1	10K
RPot	Potentiometer	R6	RPot	1	10K
Res1	Resistor	R18	Res1	1	4.7K
Res1	Resistor	R16	Res1	1	4.7K
Res1	Resistor	R15	Res1	1	4.7K
Res1	Resistor	R8	Res1	1	4.7K
Res1	Resistor	R7	Res1	1	4.7K
???	Resistor	R12	Res1	1	1K
Ceramic Capacitor	Ceramic Capacitor	C13	Ceramic Capacitor	1	0.1uF
Ceramic Capacitor	Ceramic Capacitor	C9	Ceramic Capacitor	1	0.1uF
ATmega328P-AU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 32-pin TQFP, Industrial Grade (-40°C to 85°C)	U4	ATmega328P-AU	1	
Terminal 3		T1	Terminal 3	1	
SW-PB-YELLOW	SW-D6-R / SW-DS- S / SW-14X14 / SW- 7X7	SW2	SW-PB-YELLOW	1	
HRS4H Relay	HRS4H Relay	Re1	HRS4H Relay	1	
BC547	NPN General- purpose Transistor	Q6	BC547	1	
BC547	NPN General- purpose Transistor	Q5	BC547	1	
BC547	NPN General- purpose Transistor	Q4	BC547	1	
BC547	NPN General- purpose Transistor	Q3	BC547	1	
Header 4	Header, 4-Pin	P7	Header 4	1	
Header 3X2	Header, 3-Pin, Dual row	P6	Header 3X2	1	
LCD	Header, 8-Pin, Dual row	P5	Header 8X2	1	
NRF24	NRF24	NRF1	NRF24	1	
4N25A	4N25A	N1	4N25A	1	
LED-GREEN-3MM	LED-GREEN-3MM	D8	LED-GREEN-3MM	1	
Diode 1N4007	1 Amp General Purpose Rectifier	D7	Diode 1N4007	1	
LED-GREEN-3MM	LED-GREEN-3MM	D5	LED-GREEN-3MM	1	
Crystal	Crystal	Cr4	Crystal	1	
Buzzer	Buzzer	B1	Buzzer	1	
AMS1117-3.3		1	AMS1117-3.3	1	
SW-DIP8	4 POLE DIP SWITCH		SW-DIP8	1	

Comment	Description	Designator	LibRef	Quantity	Value
Cap2	Capacitor	C11	Cap2	1	2200uF
Res1	Resistor	R3	Res1	1	480K
Cap2	Capacitor	C6	Cap2	1	100uF
Cap2	Capacitor	C2	Cap2	1	100uF
Res2	Resistor	R26	Res2	1	100K
Ceramic Capacitor	Ceramic Capacitor	C17	Ceramic Capacitor	1	22pF
Ceramic Capacitor	Ceramic Capacitor	C16	Ceramic Capacitor	1	22pF
Cap2	Capacitor	C7	Cap2	1	10uF
Res1	Resistor	R9	Res1	1	10K
Res1	Resistor	R21	Res1	1	10K
Res1	Resistor	R25	Res1	1	4.7K
Res1	Resistor	R24	Res1	1	4.7K
Res1	Resistor	R23	Res1	1	4.7K
Res1	Resistor	R5	Res1	1	4.7K
Res1	Resistor	R4	Res1	1	4.7K
Cap2	Capacitor	C12	Cap2	1	1uF
Cap2	Capacitor	C10	Cap2	1	1uF
Cap2	Capacitor	C1	Cap2	1	1uF
Res1	Resistor	R27	Res1	1	1k
Ceramic Capacitor	Ceramic Capacitor	C8	Ceramic Capacitor	1	0.1uF
Ceramic Capacitor	Ceramic Capacitor	C3	Ceramic Capacitor	1	0.1uF
LM2576HVT-5.0	SIMPLE SWITCHER® 3A Step-Down Voltage Regulator, 5-pin TO-220	U3	LM2576HVT-5.0	1	
NE555P	Precision Timer	U2	NE555P	1	
ATmega328P-AU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 32-pin TQFP, Industrial Grade (-40°C to 85°C)	U1	ATmega328P-AU	1	
SW-PB-YELLOW	SW-D6-R / SW-DS-S / SW-14X14 / SW-7X7	SW1	SW-PB-YELLOW	1	
Crystal	Crystal	Cr1	Crystal	1	
BC547	NPN General-purpose Transistor	Q1	BC547	1	
Small Potentiometer	Small Potentiometer	R1	Small Potentiometer	1	
Header 4	Header, 4-Pin	P2	Header 4	1	
Power Terminal 2	Power Terminal 2	P12V	Power Terminal 2	1	
Header 8	Header, 8-Pin	P1	Header 8	1	
Inductor	Inductor	In3	Inductor	1	
LED-GREEN-3MM	LED-GREEN-3MM	D3	LED-GREEN-3MM	1	
Jumper	Header, 2-Pin	P10	Header 2	1	
Header 4	Header, 4-Pin	P4	Header 4	1	
Diode 1N4007	1 Amp General Purpose Rectifier	D6	Diode 1N4007	1	
LED-GREEN-3MM	LED-GREEN-3MM	D4	LED-GREEN-3MM	1	
Header 3X2	Header, 3-Pin, Dual row	P3	Header 3X2	1	
AMS1117-5.0		2	AMS1117-5.0	1	
BC547	NPN General-purpose Transistor	Q7	BC547	1	
BC557	PNP General-purpose Transistor	Q2	BC557	1	
1N5822	Rectifier, 2-Pin Axial_Lead, Bulk Bag	D2	1N5822	1	
Diode 1N4004	1 Amp General Purpose Rectifier	D1	Diode 1N4004	1	
Small Potentiometer	Small Potentiometer	R2	Small Potentiometer	1	