







Description	Designator	Footprint	LibRef	Quantity
<u> </u>	C1			1
	C2, C3, C9, C17, C18, C19, C22, C27, C28, C29, C30, C31, C32, C33, C34	C-0805R	100nF 0805	15
	C4, C5, C6, C7, C35	400 220Uf	400v 220uF	5
	C8, C10, C12, C14, C16	50v 22uf	50v 22uF	5
	C11, C13, C15	C-0805R	1nF 0805	3
	C20	snubber	snubber	1
	C21	4x5.3 cap		1
		C-0805R		2
				1
				1
				1
1		<b>-</b>		1
1				1
				1
		· · · · · · · · · · · · · · · · · · ·		2
+			_	1
+				5
+				1
_				1
LED				1
	, , ,			3
Transistor But INPIN				
				<u> </u>
D 100/				4
Res1206				2
		R-0805R	22K 0805	1
	R6, R7, R8, R9, R10, R11	R-0805R	R 0805	6
	R12	R-0805R	1M 0805	1
	R13, R24, R25, R26	R-0805R	1K 0805	4
Res1206	R14	pot	R-pot	1
	Relay1	Relay	relay	1
	T1	trafo	Trafo	1
Dual standard operational amplifier 8-SOIC 0 to 70	U	SOIC127P599X175-8N	LM358DR	1
	U1	TO-252	L78M15CDT	1
	U2	TO-252	L78M05	1
				1
Microchip Technology ATMEGA328P-AN, 8bit AVR Microcontroller, 20MHz, 32 kB Flash, 32-Pin TOFP	U4		ATMEGA328P-AU	1
	V1	varistor	Varistor	1
AS49SD-16M-FC160F3-	l v i	vai i StOi	v ai 15tUi	<u> </u>
	LED Transistor BJT NPN  Res1206  Res1206  Dual standard operational amplifier 8-SOIC 0 to 70  Microchip Technology ATMEGA328P-AN, 8bit AVR Microcontroller,	C1 C2, C3, C9, C17, C18, C19, C22, C27, C28, C29, C30, C31, C32, C33, C34 C4, C5, C6, C7, C35 C8, C10, C12, C14, C16 C11, C13, C15 C20 C21 C24, C25 C26 C0n1 C0n2 Con4 Con5 CoN3 D1, D3 D2 D4, D5, D6, D7, D9 D8 F1 LED LED1, LED2, LED3 Transistor BJT NPN Q1 R1 R2, R15, R16, R23 Res1206 R3, R4 R5 R6, R7, R8, R9, R10, R11 R12 R13, R24, R25, R26 Relay1 T1 Dual standard operational amplifier 8-SOIC 0 to 70 U1 U2 U3 Microchip Technology ATMEGA328P-AN, 8bit AVR Microcontroller, 20MHz, 32 kB Flash, 32-Pin TQFP U4 Microcontroller, 20MHz, 32 kB Flash, 32-Pin TQFP	C1	C1