

Tabelle 1

Source:	/Users/fabiangeissler/git/GitHub/robosax-ledbox/LED Box KiCad/ledbox.sch					
Date:	Thursday, 05 October 2017 'pmt' 16:06:26					
Tool:	Eeschema 4.0.7					
Generator:	/private/var/folders/gc/dsjll_s94sn5xk5zxxpjx9940000gn/T/AppTranslocation/3945895C-FB8B-4C1F-A46D-A3F676FDDC30/d/kicad.app/Contents/SharedSupport/plugins/bom_csv_grouped_b					
Component Count:	23					
Individual Components:						
Item	Qty	Reference(s)	Value	LibPart	Footprint	Datasheet
		C1	DNP/22p	device:C		
		C2	DNP/22p	device:C		
		C3	100n	device:C		
		C4	100n	device:C		
		C5	10u	device:CP		
		CON1	AVR-ISP-6	atmel:AVR-ISP-6	AVR-ISP-6	
		D1	LED_IR	device:LED		
		D2	LED_RGB	device:LED_RGB		
		J1	Conn_02x05_Odd_Even	conn:Conn_02x05_Odd_Even		
		J2	Button	conn:Conn_01x02		
		R1	10k	device:R		
		R2	10k	device:R		
		R3	10k	device:R		
		R4	DNP/150	device:R		
		R5	180	device:R		
		R6	56	device:R		
		R7	36	device:R		
		R8	36	device:R		
		R9	10k	device:R		
		U1	ATTINY2313-20PU	atmel:ATTINY2313-20PU	Housings_DIP:DIP-20_W7.62mm	
		U2	SN75176B	texas_instruments:SN75176B	Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm	<a href="http://www.ti.com/lit/ds/symlink/sn65176b.pdf">http://www.ti.com/lit/ds/symlink/sn65176b.pdf</a>
		U3	ULN2003	interface:ULN2003		
		Y1	DNP/20MHz	device:Crystal		
Collated Components:						
Item	Qty	Reference(s)	Value	LibPart	Footprint	Datasheet
1	2	C1; C2	DNP/22p	device:C		
2	2	C3; C4	100n	device:C		
3	1	C5	10u	device:CP		
4	1	CON1	AVR-ISP-6	atmel:AVR-ISP-6	AVR-ISP-6	
5	1	D1	LED_IR	device:LED		
6	1	D2	LED_RGB	device:LED_RGB		
7	1	J1	Conn_02x05_Odd_Even	conn:Conn_02x05_Odd_Even		
8	1	J2	Button	conn:Conn_01x02		
9	4	R1; R2; R3; R9	10k	device:R		
10	1	R4	DNP/150	device:R		
11	1	R5	180	device:R		
12	1	R6	56	device:R		
13	2	R7; R8	36	device:R		
14	1	U1	ATTINY2313-20PU	atmel:ATTINY2313-20PU	Housings_DIP:DIP-20_W7.62mm	
15	1	U2	SN75176B	texas_instruments:SN75176B	Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm	<a href="http://www.ti.com/lit/ds/symlink/sn65176b.pdf">http://www.ti.com/lit/ds/symlink/sn65176b.pdf</a>
16	1	U3	ULN2003	interface:ULN2003		
17	1	Y1	DNP/20MHz	device:Crystal		