

Tabelle 1

Source:	ledbox.sch					
Date:	Saturday; 07 October 2017 'pmt' 14:50:51					
Tool:	Eeschema 4.0.7					
Component Count:	34					
Individual Components:						
Item	Qty	Reference(s)	Value	LibPart	Footprint	Datasheet
		C1	DNP/22p	device:C	Capacitors_SMD:C_1206	
		C2	DNP/22p	device:C	Capacitors_SMD:C_1206	
		C3	100n	device:C	Capacitors_SMD:C_1206	
		C4	10u	device:C	Capacitors_SMD:C_1206	
		C5	47u	device:CP	Capacitors_SMD:CP_Elec_4x5.7	
		C6	22p	device:C	Capacitors_SMD:C_1206	
		C7	470p	device:C	Capacitors_SMD:C_1206	
		CON1	AVR_ISP	atmel:AVR-ISP-6	Pin_Headers:Pin_Header_Straight_2x03	
		D1	LRTBG6TG	ledbox-newsymbols:LRTBG6TG	ledbox-newfootprints:LED-6-BIG	http://www.osram-os.com/Graphics/XPic4/00067263_0.pdf
		D2	1N4148	device:D	Diodes_SMD:D_MiniMELF	
		D3	1N4148	device:D	Diodes_SMD:D_MiniMELF	
		J1	Power	conn:Conn_01x02	Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol	
		J2	Bus	conn:Conn_02x05_Odd_Even	Pin_Headers:Pin_Header_Straight_2x05	
		J3	IR LED	conn:Conn_01x03	Pin_Headers:Pin_Header_Straight_1x03	
		J4	Button	conn:Conn_01x02	Pin_Headers:Pin_Header_Straight_1x02	
		R1	10k	device:R	Resistors_SMD:R_1206	
		R2	10k	device:R	Resistors_SMD:R_1206	
		R3	10k	device:R	Resistors_SMD:R_1206	
		R4	DNP/10k	device:R	Resistors_SMD:R_1206	
		R5	DNP/150	device:R	Resistors_SMD:R_1206	
		R6	DNP/10k	device:R	Resistors_SMD:R_1206	
		R7	180	device:R	Resistors_SMD:R_1206	
		R8	56	device:R	Resistors_SMD:R_1206	
		R9	36	device:R	Resistors_SMD:R_1206	
		R10	36	device:R	Resistors_SMD:R_1206	
		R11	100	device:R	Resistors_SMD:R_1206	
		R12	10k	device:R	Resistors_SMD:R_1206	
		R13	22k	device:R	Resistors_SMD:R_1206	
		R14	3k3	device:R	Resistors_SMD:R_1206	
		R15	2k2	device:R	Resistors_SMD:R_1206	
		U1	ATTINY2313-20PU	atmel:ATTINY2313-20PU	Housings_SOIC:SOIC-20W_7.5x12.8mm_Pitch1.27mm	
		U2	ST485C	ledbox-newsymbols:SN75176B	Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm	http://www.st.com/content/ccc/resource/technical/document/datasheet/4b/81/a8/cc
		U3	ULN2003	interface:ULN2003	Housings_SOIC:SOIC-16_3.9x9.9mm_Pitch1.27mm	
		Y1	DNP/20MHz	device:Crystal	Crystals:Crystal_HC49-SD_SMD	
Collated Components:						
Item	Qty	Reference(s)	Value	LibPart	Footprint	Datasheet
1	2	C1; C2	DNP/22p	device:C	Capacitors_SMD:C_1206	
2	1	C3	100n	device:C	Capacitors_SMD:C_1206	
3	1	C4	10u	device:C	Capacitors_SMD:C_1206	
4	1	C5	47u	device:CP	Capacitors_SMD:CP_Elec_4x5.7	
5	1	C6	22p	device:C	Capacitors_SMD:C_1206	
6	1	C7	470p	device:C	Capacitors_SMD:C_1206	
7	1	CON1	AVR_ISP	atmel:AVR-ISP-6	Pin_Headers:Pin_Header_Straight_2x03	
8	1	D1	LRTBG6TG	ledbox-newsymbols:LRTBG6TG	ledbox-newfootprints:LED-6-BIG	http://www.osram-os.com/Graphics/XPic4/00067263_0.pdf
9	2	D2; D3	1N4148	device:D	Diodes_SMD:D_MiniMELF	
10	1	J1	Power	conn:Conn_01x02	Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol	
11	1	J2	Bus	conn:Conn_02x05_Odd_Even	Pin_Headers:Pin_Header_Straight_2x05	
12	1	J3	IR LED	conn:Conn_01x03	Pin_Headers:Pin_Header_Straight_1x03	
13	1	J4	Button	conn:Conn_01x02	Pin_Headers:Pin_Header_Straight_1x02	
14	4	R1; R2; R3; R12	10k	device:R	Resistors_SMD:R_1206	
15	2	R4; R6	DNP/10k	device:R	Resistors_SMD:R_1206	
16	1	R5	DNP/150	device:R	Resistors_SMD:R_1206	
17	1	R7	180	device:R	Resistors_SMD:R_1206	
18	1	R8	56	device:R	Resistors_SMD:R_1206	
19	2	R9; R10	36	device:R	Resistors_SMD:R_1206	
20	1	R11	100	device:R	Resistors_SMD:R_1206	
21	1	R13	22k	device:R	Resistors_SMD:R_1206	
22	1	R14	3k3	device:R	Resistors_SMD:R_1206	
23	1	R15	2k2	device:R	Resistors_SMD:R_1206	
24	1	U1	ATTINY2313-20PU	atmel:ATTINY2313-20PU	Housings_SOIC:SOIC-20W_7.5x12.8mm_Pitch1.27mm	
25	1	U2	ST485C	ledbox-newsymbols:SN75176B	Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm	http://www.st.com/content/ccc/resource/technical/document/datasheet/4b/81/a8/cc
26	1	U3	ULN2003	interface:ULN2003	Housings_SOIC:SOIC-16_3.9x9.9mm_Pitch1.27mm	
27	1	Y1	DNP/20MHz	device:Crystal	Crystals:Crystal_HC49-SD_SMD	