Tabelle 1

Source:	ledbox.	sch				
			7 4 4 50 54			
Date:		y; 07 October 2017	pmt 14:50:51			
Tool:	Eescher	ma 4.0.7				
Component Count:	34					
Individual Components:						
marriadar Componentor						
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	
					<u> </u>	
		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	
						http://www.across.com/Crossbics/VDic//00007000.0.mdf
		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_Mk	(DS1.5-2pol
		J2	Bus	conn:Conn_02x05_Odd_Even	Pin_Headers:Pin_Header_Straight_2x05	
					<u> </u>	
		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	
				device:R	Resistors_SMD:R_1206	
		R3	10k			
		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
		, ,			<u> </u>	
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	,		-		·	
J		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	
	1		Power	conn:Conn_01x02	Connectors_Terminal_Blocks:TerminalBlock_Pheonix_Mk	(DS1 5-2nol
10		J1				νο τ.σ-ερσι
11	1	J2	Bus	conn:Conn_02x05_Odd_Even	Pin_Headers:Pin_Header_Straight_2x05	
	1	J3	IR LED	conn:Conn_01x03	Pin_Header_Straight_1x03	
12	1			001.00	Pin_Headers:Pin_Header_Straight_1x02	
	1	J4	Button	conn:Conn_01x02	FIII_I leaders.FIII_I leader_Straight_1x02	
12 13	1 1 4				<u> </u>	
12 13 14	1 1 4	R1; R2; R3; R12	10k	device:R	Resistors_SMD:R_1206	
12 13 14 15	1 1 4 2	R1; R2; R3; R12 R4; R6	10k DNP/10k	device:R device:R	Resistors_SMD:R_1206 Resistors_SMD:R_1206	
12 13 14		R1; R2; R3; R12	10k	device:R	Resistors_SMD:R_1206	
12 13 14 15		R1; R2; R3; R12 R4; R6	10k DNP/10k	device:R device:R	Resistors_SMD:R_1206 Resistors_SMD:R_1206	
12 13 14 15 16		R1; R2; R3; R12 R4; R6 R5	10k DNP/10k DNP/150	device:R device:R device:R	Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206	
12 13 14 15 16 17		R1; R2; R3; R12 R4; R6 R5 R7	10k DNP/10k DNP/150 180 56	device:R device:R device:R device:R device:R	Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206	
12 13 14 15 16 17 18	2 1 1	R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10	10k DNP/10k DNP/150 180 56 36	device:R device:R device:R device:R device:R device:R	Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206	
12 13 14 15 16 17 18	2 1 1	R1; R2; R3; R12 R4; R6 R5 R7	10k DNP/10k DNP/150 180 56	device:R device:R device:R device:R device:R	Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206	
12 13 14 15 16 17 18 19	2 1 1	R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10	10k DNP/10k DNP/150 180 56 36	device:R device:R device:R device:R device:R device:R	Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206	
12 13 14 15 16 17 18 19 20	2 1 1	R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11	10k DNP/10k DNP/150 180 56 36	device:R device:R device:R device:R device:R device:R device:R	Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206	
12 13 14 15 16 17 18 19 20 21	2 1 1	R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14	10k DNP/10k DNP/150 180 56 36 100 22k 3k3	device:R	Resistors_SMD:R_1206	
12 13 14 15 16 17 18 19 20 21 22	2 1 1	R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14 R15	10k DNP/10k DNP/150 180 56 36 100 22k 3k3 2k2	device:R	Resistors_SMD:R_1206	
12 13 14 15 16 17 18 19 20 21	2 1 1	R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14	10k DNP/10k DNP/150 180 56 36 100 22k 3k3 2k2	device:R	Resistors_SMD:R_1206	
12 13 14 15 16 17 18 19 20 21 22	2 1 1	R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14 R15	10k DNP/10k DNP/150 180 56 36 100 22k 3k3 2k2	device:R	Resistors_SMD:R_1206	http://www.st.com/content/ccc/resource/technical/document/datasheet/4b/81/a8/cd
12 13 14 15 16 17 18 19 20 21 22 23	2 1 1	R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14 R15	10k DNP/10k DNP/150 180 56 36 100 22k 3k3 2k2 ATTINY2313-20PU	device:R	Resistors_SMD:R_1206 Housings_SOIC:SOIC-20W_7.5x12.8mm_Pitch1.27mm	http://www.st.com/content/ccc/resource/technical/document/datasheet/4b/81/a8/cc
12 13 14 15 16 17 18 19 20 21 22 23 24	2 1 1	R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14 R15 U1 U2	10k DNP/10k DNP/150 180 56 36 100 22k 3k3 2k2 ATTINY2313-20PU ST485C	device:R	Resistors_SMD:R_1206 Housings_SOIC:SOIC-20W_7.5x12.8mm_Pitch1.27mm Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm	http://www.st.com/content/ccc/resource/technical/document/datasheet/4b/81/a8/cc