Tabelle 1

Source:	ledb	ox.sch				
Date:	Frida	ay; 06 October 201	7 'pmt' 18:57:30			
Tool:		chema 4.0.7	P			
1001:	Lesc	nema 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	47p	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		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				http://www.ti-accellit/ala/accelliala/accell
		. i i i i i i i i i i i i i i i i i i i	SN75176B	ledbox-newsymbols:SN75176B	Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm	http://www.ti.com/lit/ds/symlink/sn65176b.pdf
	-	OZ.		-		р.,,
		U3	ULN2003	interface:ULN2003	Housings_SOIC:SOIC-16_3.9x9.9mm_Pitch1.27mm	
				-	Housings_SOIC:SOIC-16_3.9x9.9mm_Pitch1.27mm Crystals:Crystal_HC49-SD_SMD	
		U3	ULN2003	interface:ULN2003		
		U3	ULN2003	interface:ULN2003		
		U3	ULN2003	interface:ULN2003		
		U3	ULN2003	interface:ULN2003		
Collated Components:		U3	ULN2003	interface:ULN2003		
Collated Components:		U3	ULN2003	interface:ULN2003		
	Otv	U3 Y1	ULN2003 DNP/20MHz	interface:ULN2003 device:Crystal	Crystals:Crystal_HC49-SD_SMD	
Item	-	U3 Y1 Reference(s)	ULN2003 DNP/20MHz Value	interface:ULN2003 device:Crystal LibPart	Crystals:Crystal_HC49-SD_SMD Footprint	Datasheet
	-	U3 Y1	ULN2003 DNP/20MHz	interface:ULN2003 device:Crystal	Crystals:Crystal_HC49-SD_SMD	
Item	2	U3 Y1 Reference(s)	ULN2003 DNP/20MHz Value	interface:ULN2003 device:Crystal LibPart	Crystals:Crystal_HC49-SD_SMD Footprint	
Item 1	2	U3 Y1 Reference(s) C1; C2	ULN2003 DNP/20MHz Value DNP/22p	interface:ULN2003 device:Crystal LibPart device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206	
Item 1	2 1 1	U3 Y1 Reference(s) C1; C2 C3 C4	ULN2003 DNP/20MHz Value DNP/22p 100n 10u	interface:ULN2003 device:Crystal LibPart device:C device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206	
Item 1 2 3 4	2 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u	interface:ULN2003 device:Crystal LibPart device:C device:C device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206	
Item 1 2 3 4 5 5	2 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6	Value DNP/22p 100n 10u 47u 47p	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206	
Item 1 2 3 4	2 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u	interface:ULN2003 device:Crystal LibPart device:C device:C device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206	
Item 1 2 3 4 5 5	2 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6	Value DNP/22p 100n 10u 47u 47p	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206	
Item 1 2 3 4 5	2 1 1 1 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:CP device:C device:C davice:C device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206	
Item 1 2 3 4 5 6 7	2 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:CP device:CP device:C device:C device:C device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG	Datasheet
Item 1 2 3 4 5 6 7 8	2 1 1 1 1 1 1 1 2	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:CP device:C device:C device:C device:C device:C device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF	Datasheet
Item 1 2 3 4 5 6 7 8 9 10	2 1 1 1 1 1 1 1 2	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power	interface:ULN2003 device:Crystal LibPart device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Din_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol	Datasheet
Item 1 2 3 4 5 6 7 8	2 1 1 1 1 1 1 1 2	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:CP device:C device:C device:C device:C device:C device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF	Datasheet
Item 1 2 3 4 5 6 7 8 9 10	2 1 1 1 1 1 1 1 2 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power	interface:ULN2003 device:Crystal LibPart device:C	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Din_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11	2 1 1 1 1 1 1 1 2 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C conn:Conn_01x02 conn:Conn_01x03	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_1x03	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12	2 1 1 1 1 1 1 1 2 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C conn:Conn_01x02 conn:Conn_01x03 conn:Conn_01x02	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13	2 1 1 1 1 1 1 2 1 1 1 1 1 4	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C conn:Conn_01x02 conn:Conn_01x03 conn:Conn_01x02 device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12	2 1 1 1 1 1 1 2 1 1 1 1 1 4	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C conn:Conn_01x02 conn:Conn_01x03 conn:Conn_01x02	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13	2 1 1 1 1 1 1 1 1 1 1 1 1 1 4 2	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C conn:Conn_01x02 conn:Conn_01x03 conn:Conn_01x02 device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	2 1 1 1 1 1 1 1 1 1 1 1 1 4 2 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/150	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C conn:Conn_01x02 conn:Conn_01x03 conn:Conn_01x02 device:R device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:CP_Elec_4x5.7 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_2x05 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	2 1 1 1 1 1 1 1 1 1 1 4 2 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/150 180	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C device:C conn:Conn_01x02 conn:Conn_01x02 conn:Conn_01x03 conn:Conn_01x02 device:R device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_2x05 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	2 1 1 1 1 1 1 1 1 1 1 4 2 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7 R8	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/150 180 56	interface:ULN2003 device:Crystal LibPart device:C device:D conn:Conn_01x02 conn:Conn_01x02 device:R device:R device:R device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	2 1 1 1 1 1 1 1 1 1 1 4 2 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/150 180 56	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C device:C conn:Conn_01x02 conn:Conn_01x02 conn:Conn_01x03 conn:Conn_01x02 device:R device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_2x05 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	2 1 1 1 1 1 1 1 1 1 1 4 2 1 1 1 1 1 2	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7 R8	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/150 180 56 36	interface:ULN2003 device:Crystal LibPart device:C device:D conn:Conn_01x02 conn:Conn_01x02 device:R device:R device:R device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/150 180 56 36	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:CP device:CP device:C atmel:AVR-ISP-6 ledbox-newsymbols:LRTBG6TG device:D conn:Conn_01x02 conn:Conn_01x02 conn:Conn_01x03 conn:Conn_01x02 device:R device:R device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/10k DNP/150 180 56 36 100 22k	interface:ULN2003 device:Crystal device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C device:C device:C conn:AVR-ISP-6 ledbox-newsymbols:LRTBG6TG device:D conn:Conn_01x02 conn:Conn_01x02 conn:Conn_01x02 device:R device:R device:R device:R device:R device:R device:R device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_2x05 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/10k DNP/150 180 56 36 100 22k 3k3	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C device:C device:C con:Con_01x02 conn:Conn_01x02 conn:Conn_01x03 conn:Conn_01x02 device:R device:R device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_2x05 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14 R15	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/10k DNP/150 180 56 36 100 22k 3k3 2k2	interface:ULN2003 device:Crystal device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C device:C device:C device:B device:B device:R device:R device:R device:R device:R device:R device:R device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_2x05 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/10k DNP/150 180 56 36 100 22k 3k3 2k2	interface:ULN2003 device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C device:C device:C con:Con_01x02 conn:Conn_01x02 conn:Conn_01x03 conn:Conn_01x02 device:R device:R device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_2x05 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14 R15	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/10k DNP/150 180 56 36 100 22k 3k3 2k2	interface:ULN2003 device:Crystal device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C device:C device:C device:B device:B device:R device:R device:R device:R device:R device:R device:R device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_2x05 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206	Datasheet
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14 R15 U1 U2	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/10k DNP/150 180 56 36 100 22k 3k3 2k2 ATTINY2313-20PU SN75176B	interface:ULN2003 device:Crystal LibPart device:C con:Conn_01x02 conn:Conn_01x02 conn:Conn_01x02 conn:Conn_01x02 device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_2x05 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206	Datasheet http://www.osram-os.com/Graphics/XPic4/00067263_0.pdf
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14 R15 U1 U2 U3	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/10k DNP/150 180 56 36 100 22k 3k3 2k2 ATTINY2313-20PU SN75176B ULN2003	interface:ULN2003 device:Crystal device:Crystal LibPart device:C device:C device:C device:C device:C device:C device:C device:C device:C atmel:AVR-ISP-6 ledbox-newsymbols:LRTBG6TG device:D conn:Conn_01x02 conn:Conn_01x02 conn:Conn_01x02 device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_2x05 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206 Resistors_SMD:R_1206	Datasheet http://www.osram-os.com/Graphics/XPic4/00067263_0.pdf
Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U3 Y1 Reference(s) C1; C2 C3 C4 C5 C6 C7 CON1 D1 D2; D3 J1 J2 J3 J4 R1; R2; R3; R12 R4; R6 R5 R7 R8 R9; R10 R11 R13 R14 R15 U1 U2	ULN2003 DNP/20MHz Value DNP/22p 100n 10u 47u 47p 470p AVR_ISP LRTBG6TG 1N4148 Power Bus IR LED Button 10k DNP/10k DNP/10k DNP/150 180 56 36 100 22k 3k3 2k2 ATTINY2313-20PU SN75176B	interface:ULN2003 device:Crystal LibPart device:C con:Conn_01x02 conn:Conn_01x02 conn:Conn_01x02 conn:Conn_01x02 device:R	Crystals:Crystal_HC49-SD_SMD Footprint Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Capacitors_SMD:C_1206 Pin_Headers:Pin_Header_Straight_2x03 ledbox-newfootprints:LED-6-BIG Diodes_SMD:D_MiniMELF Connectors_Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol Pin_Headers:Pin_Header_Straight_2x05 Pin_Headers:Pin_Header_Straight_1x03 Pin_Headers:Pin_Header_Straight_1x02 Resistors_SMD:R_1206	Datasheet http://www.osram-os.com/Graphics/XPic4/00067263_0.pdf