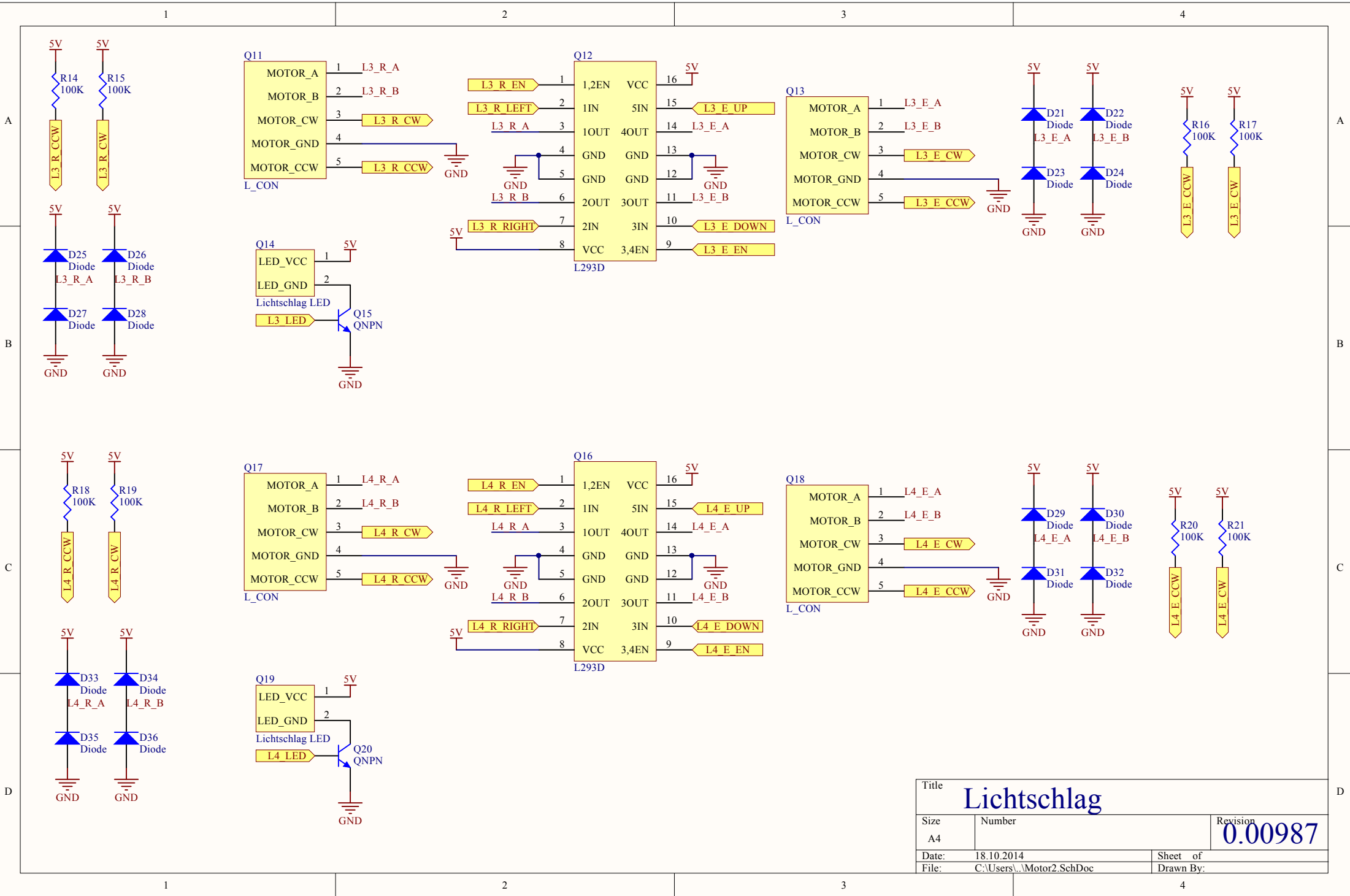
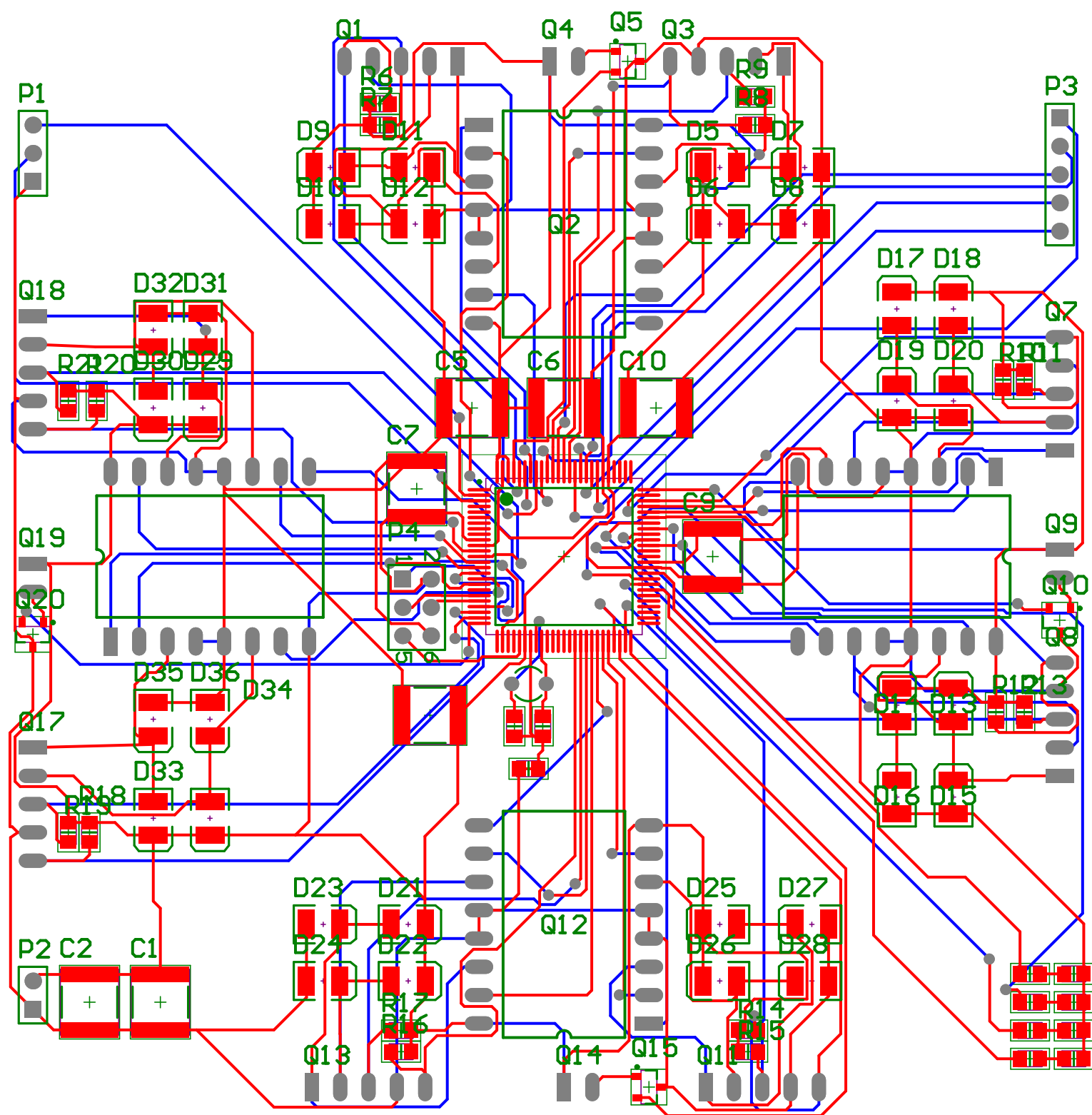


Title			
Size	Number		Revision
A4			0.00987
Date:	18.10.2014	Sheet of	
File:	C:\Users\...\CPU.SchDoc	Drawn By:	





Title			Lichtsschlag	
Size	A4	Number		
Date:	18.10.2014	Sheet of	Revision	
File:	C:\Users\...\Motor2.SchDoc	Drawn By:	0.00987	



# Bill of Materials

<Parameter Title not found>

Source Data From: Lichtschlag.PrjPCB  
 Project: Lichtschlag.PrjPCB  
 Variant: None

Creation Date: 18.10.2014 16:19:36  
 Print Date: 18-Oct-14 4:19:44 PM

Footprint	Comment	LibRef	Designator	Description	Quantity
2220	47uF	Cap Pol3	C1	Polarized Capacitor (Surface Mount)	1
2220	100nF	Cap Semi	C2, C5, C6, C7, C8, C9, C10	Capacitor (Semiconductor SIM Model)	7
6-0805_N	22pF	Cap Semi	C3, C4	Capacitor (Semiconductor SIM Model)	2
6-0805_N	LED3-BL	LED3	D1	Typical BLUE SiC LED	1
6-0805_N	LED3-GN	LED3	D2	Typical BLUE SiC LED	1
6-0805_N	LED3-RT	LED3	D3	Typical BLUE SiC LED	1
6-0805_N	LED3-YE	LED3	D4	Typical BLUE SiC LED	1
3.5X2.8X1.9	Diode	Diode	D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36	Default Diode	32
HDR1X3	COM	Header 3	P1	Header, 3-Pin	1
HDR1X2	Power	Header 2	P2	Header, 2-Pin	1
HDR1X5	ADC	Header 5	P3	Header, 5-Pin	1
HDR2X3	Header 3X2	Header 3X2	P4	Header, 3-Pin, Dual row	1
Lichtschlag Connector	L_CON	Lichtschlag Connector	Q1, Q3, Q7, Q8, Q11, Q13, Q17, Q18	Lichtschlag Connector	8
L293D	L293D	L293D	Q2, Q6, Q12, Q16	H-Bridge	4
Lichtschlag LED	Lichtschlag LED	Lichtschlag LED	Q4, Q9, Q14, Q19	NPN General Purpose Amplifier	4
SOT-23B_L	QNP	QNP	Q5, Q10, Q15, Q20	NPN Bipolar Transistor	4
6-0805_N	1k	Res3	R1, R2, R3, R4	Resistor	4
6-0805_N	1.1M	Res3	R5	Resistor	1
6-0805_N	100K	Res3	R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21	Resistor	16
100A_M	ATmega2560-16AU	CMP-0095-00210-2	U1	8-bit AVR Microcontroller, 4.5-5.5V, 16MHz, 256KB Flash, 4KB EEPROM, 8KB SRAM, 86 GPIO pins, 100-pin TQFP, Industrial Grade (-40°C to 85°C), Pb-Free	1
R38	16Mhz	XTAL	Y1	Crystal Oscillator	1
					93

Approved	Notes