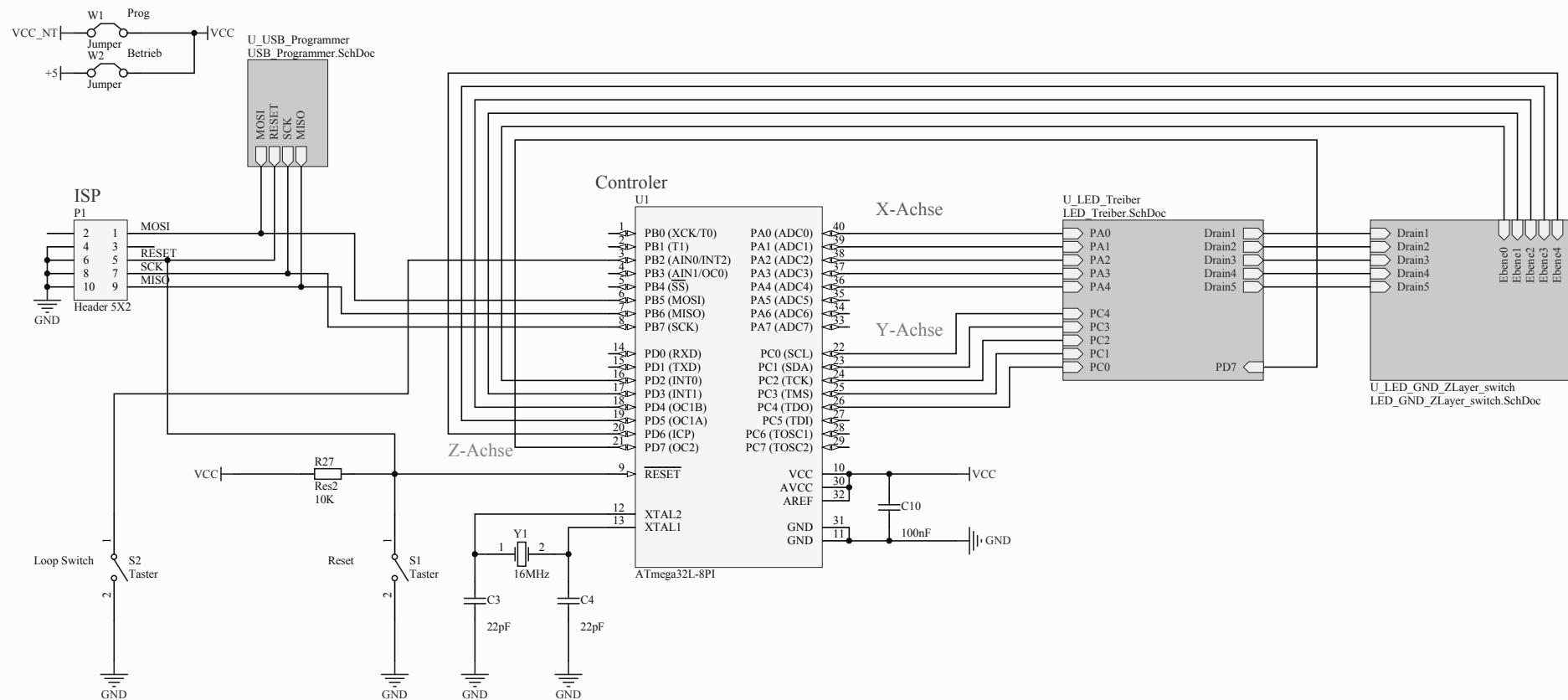
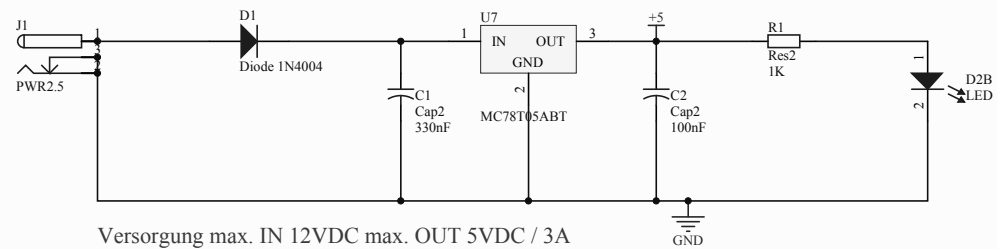
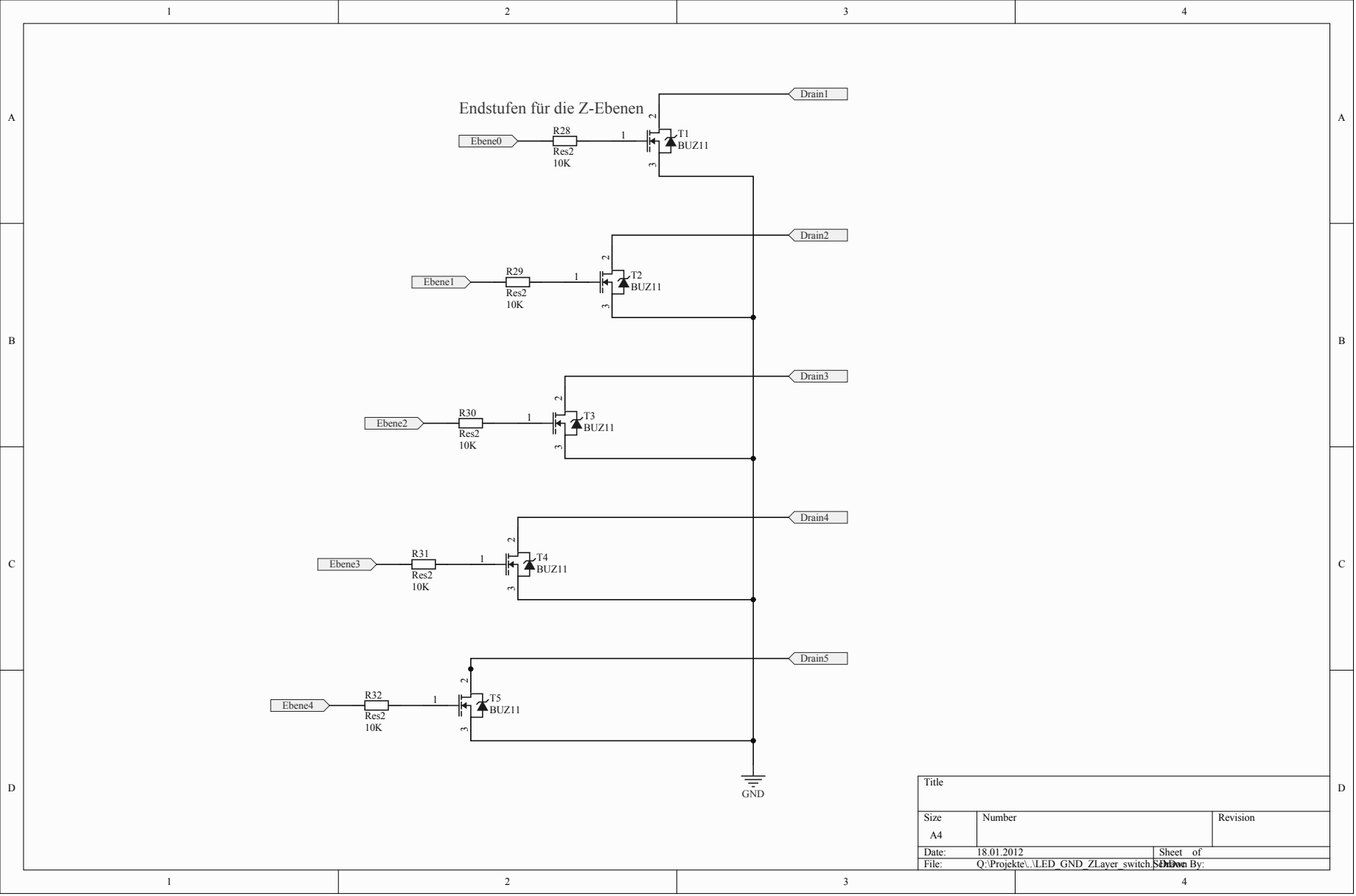


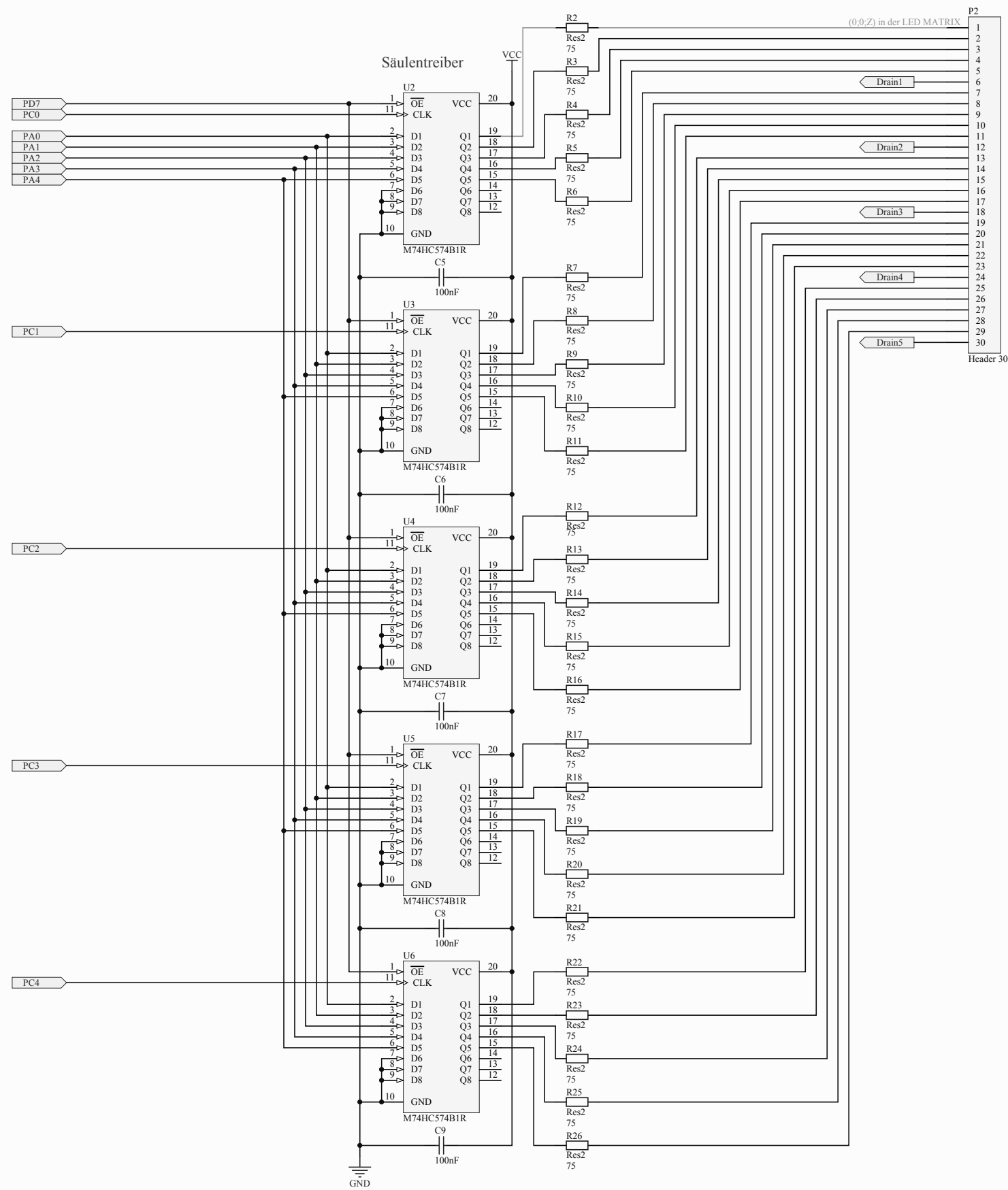
Title		
Size A2	Number	Revision
Date:	18.01.2012	Sheet of
File:	Q:\Projekte_\Cube_Koordinaten_Schema_Sch	Drawn By:



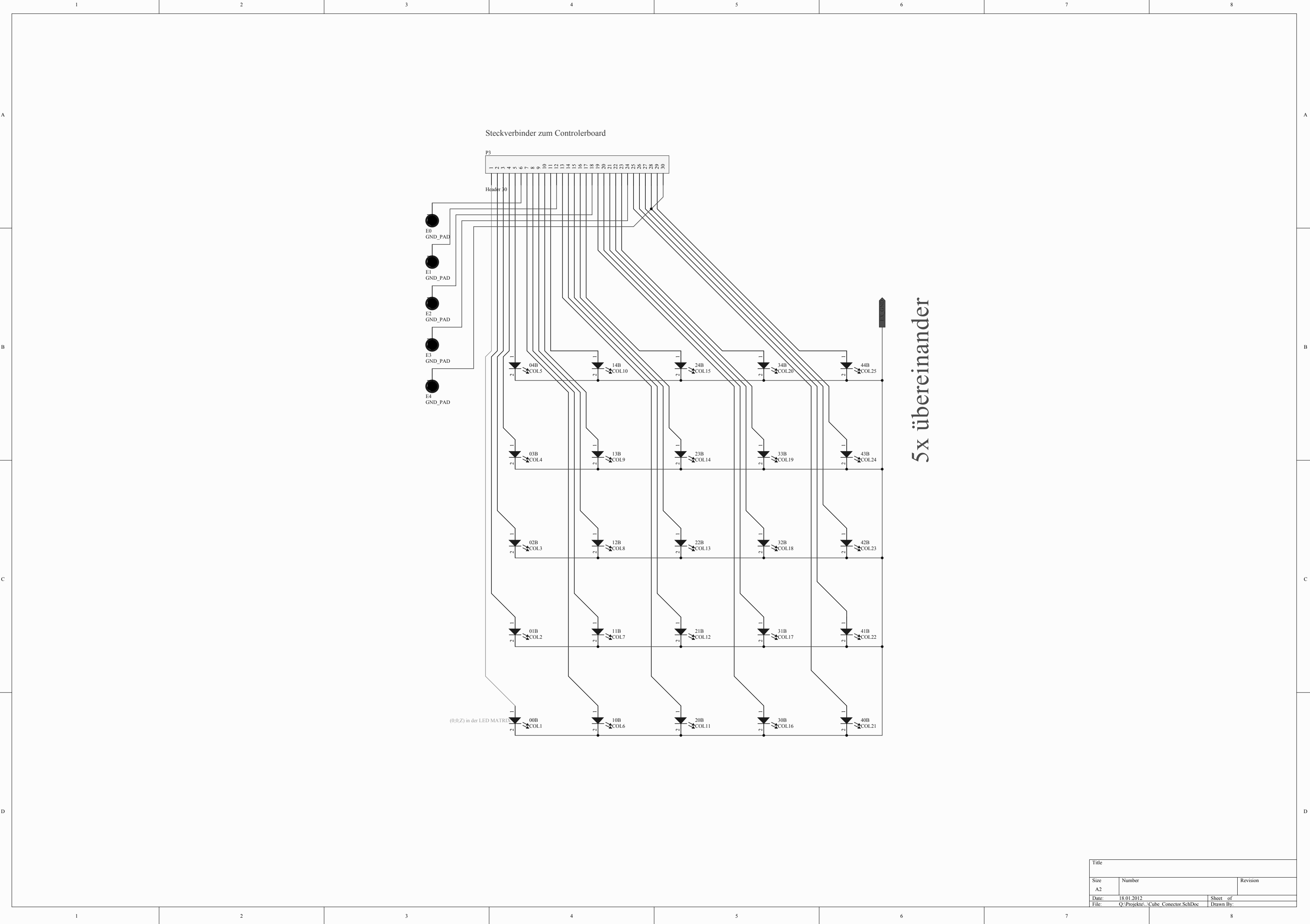
Title		
Size A3	Number	Revision
Date:	18.01.2012	Sheet of
File:	Q:\Projekte\...\Cube_Controller.SchDoc	Drawn By:



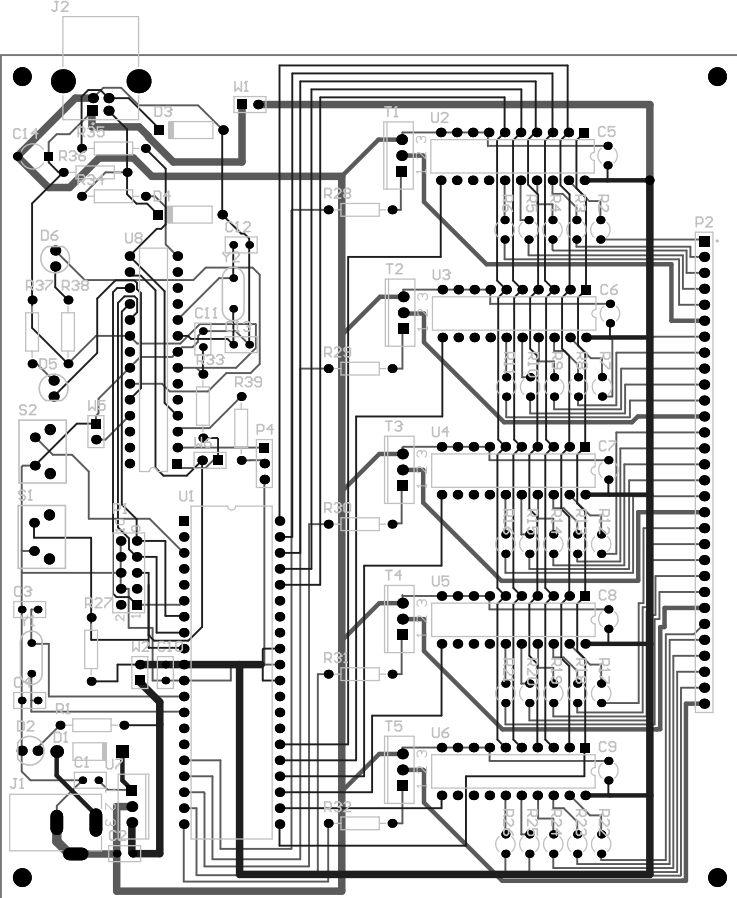
Steckverbinder zum Connectorboard

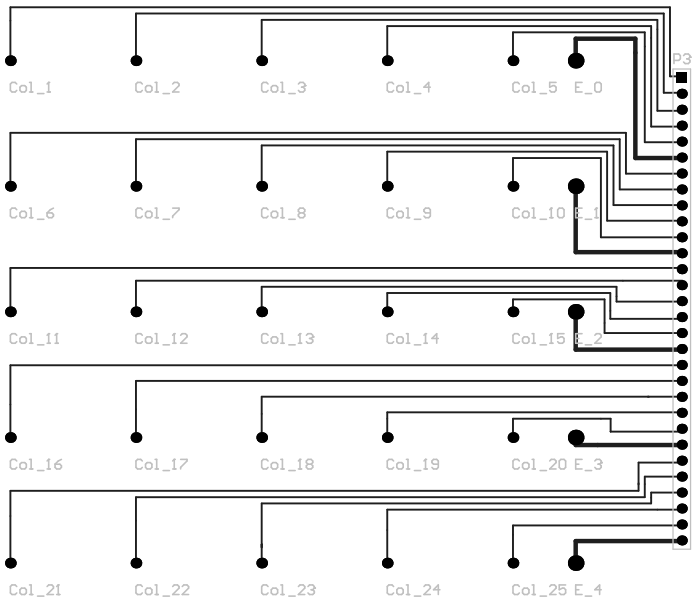


Title		
Size A2	Number	Revision
Date:	18.01.2012	Sheet of
File:	Q:\Projekte\LED_Treiber.SchDoc	Drawn By:



Title		
Size A2	Number	Revision
Date:	18.01.2012	Sheet of
File:	Q:\Projekte\...\Cube_Conector_SchDoc	Drawn By:





Comment	Description	Designator	Footprint	LibRef	Quantity
Cap2	Capacitor	C1, C2	RAD-0.1	Cap2	2
Cap Semi	Capacitor (Semiconductor SIM Model)	C3, C4	RAD-0.1	Cap Semi	2
Cap	Capacitor	C5, C6, C7, C8, C9	R38	Cap	5
Cap	Capacitor	C10, C11, C12, C13	RAD-0.1	Cap	4
Cap2	Capacitor	C14	CAPR5-4X5	Cap2	1
Diode 1N4004	1 Amp General Purpose Rectifier	D1	DO-41	Diode 1N4004	1
LED	LED bedrahtet	D2, D5, D6	LED 3mm	LED Std	3
3V6	Zener Diode	D3, D4	DO-7	D Zener	2
PWR2.5	Low Voltage Power Supply Connector	J1	KLD-0202	PWR2.5	1
4-1437106-7	USB 1.1, Right Angle, Thru-Hole, B Type, Receptacle, 4 Position, White	J2	1437106	4-1437106-7	1
Header 5X2	Header, 5-Pin, Dual row	P1	HDR2X5	Header 5X2	1
Header 30	Header, 30-Pin	P2	HDR1X30	Header 30	1
Header 3	Header, 3-Pin	P4	HDR1X3	Header 3	1
Res2	Resistor	R1, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39	AXIAL-0.4	Res2	14
Res2	Resistor	R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26	R38	Res2	25
Taster		S1, S2	Taster	Taster	2
BUZ11	MOSFET	T1, T2, T3, T4, T5	TO220	N-MOSFET	5
ATmega32L-8PI	8-Bit AVR Microcontroller with 32K Bytes of In-System Programmable Flash Memory	U1	40P6	ATmega32L-8PI	1
M74HC574B1R	Octal D-Type Flip-Flop with 3-State Output Non-Inverting	U2, U3, U4, U5, U6	DIP20	M74HC574B1R	5
MC78T05ABT	Three-Ampere Positive Fixed Voltage Regulator	U7	221A-04	MC78T05ABT	1
ATmega8L-8PI	8-Bit AVR Microcontroller with 8K Bytes of In-System Programmable Flash Memory	U8	28P3	ATmega8L-8PI	1
Jumper	Jumper Wire	W1, W2, W5, W6	HDR1X2	Jumper	4
16MHz		Y1	Quarz HC49-4HL	Quarz HC49-4HL	1
12MHz		Y2	Quarz HC49-4HL	Quarz HC49-4HL	1

Comment	Description	Designator	Footprint	LibRef	Quantity
Comment		P3	HDR1X30		1