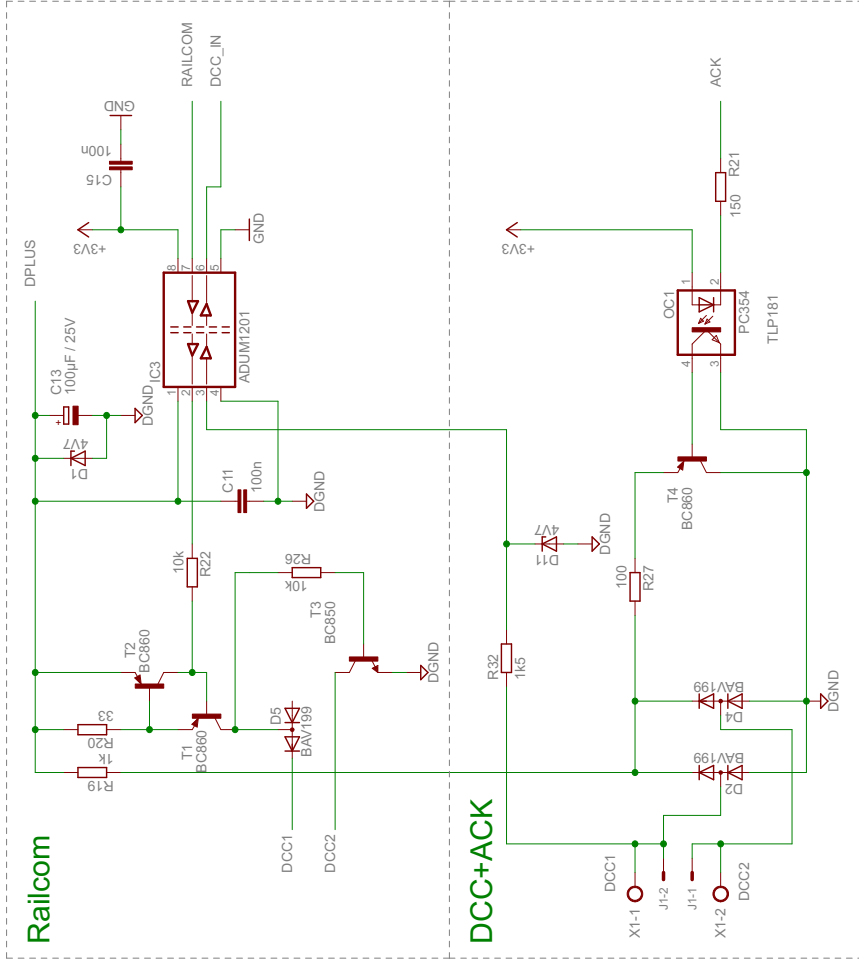
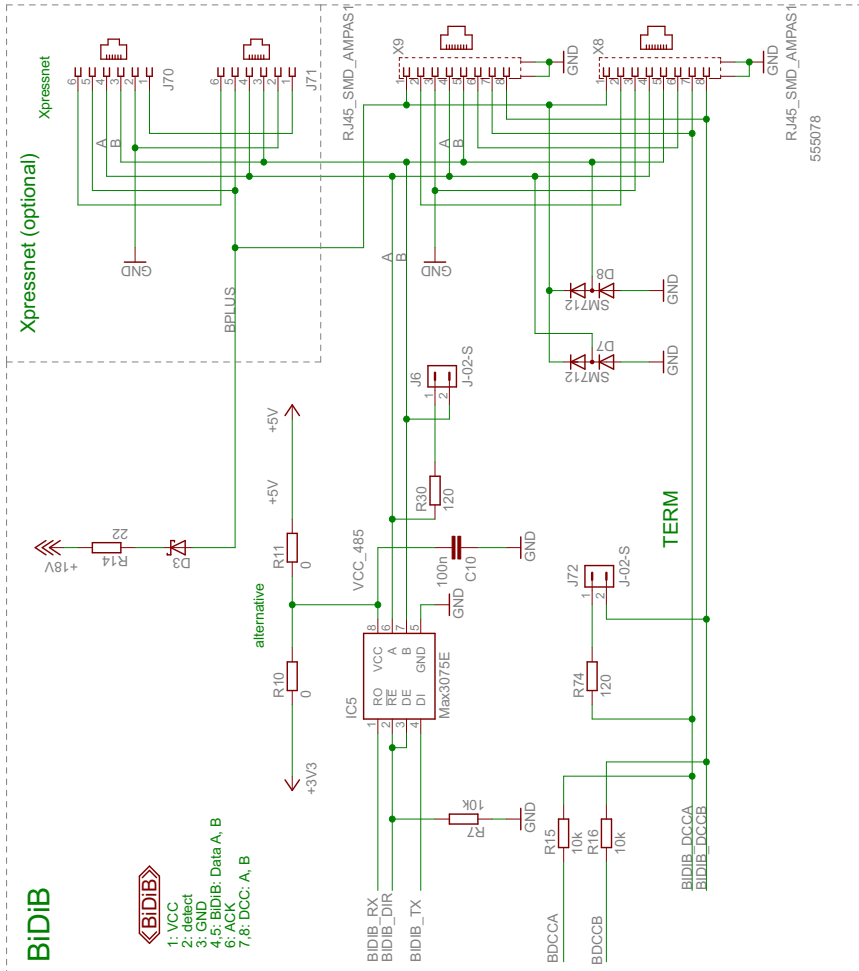


### Railcom

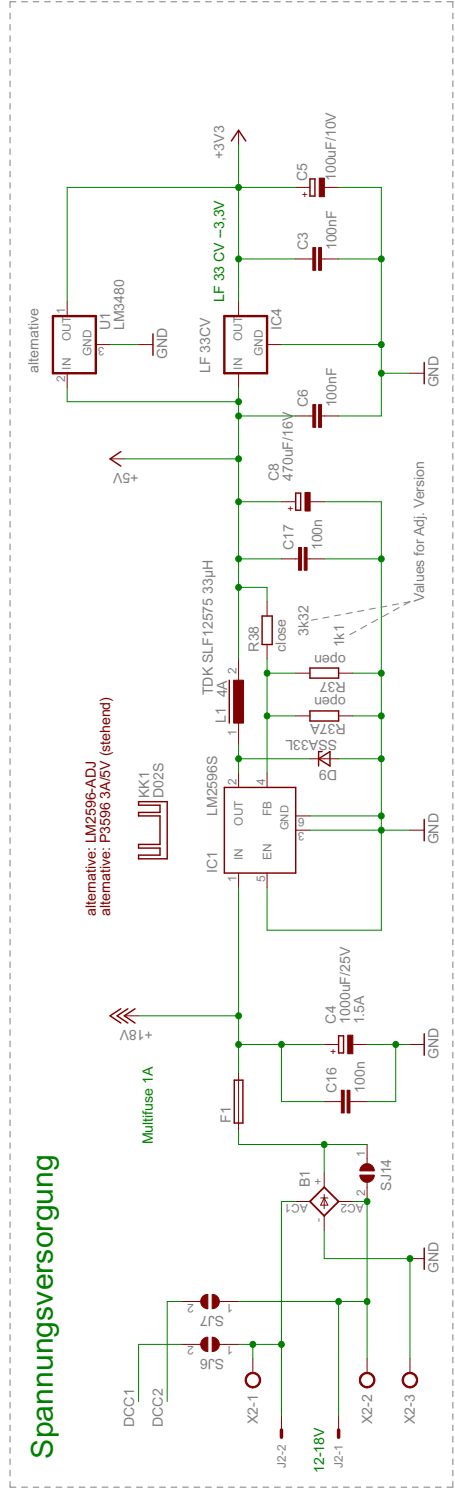


### BiDiB

- 1: VCC
- 2: detect
- 3: GND
- 4.5: BiDiB: Data A, B
- 9: ACK
- 7.8: DCC: A, B



### Spannungsversorgung



### History:

- V1.0: 04.-06.06.2011. Schaltungsentwurf
- V1.1: 4x Servo-Ausgänge integriert
- V1.2: Prozessor getauscht
- V1.3: Fehler behoben in der Versorgung / FTDI ergänzt
- V1.4: rund um atmega und bidb verbessert.
- V1.5: Schallregler ergänzt. Servoausgänge verbessert, DCC-Eingang mit OC
- V1.6: Korrekturen an BiDiB, DCC, RAILCOM, DC und jC
- V1.7: PCB-Design
- V1.1: Reilcom Stromschleife korrigiert. RJ45 mit TH1-Variante



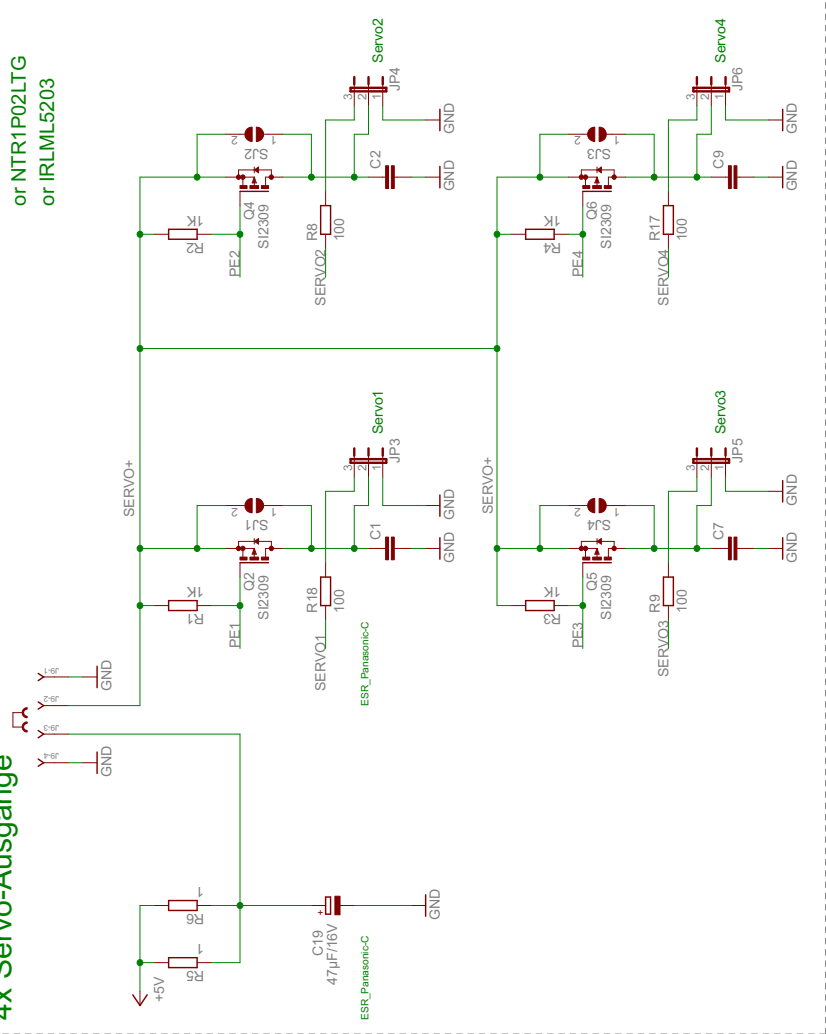
Entwicklung:  
Wolfgang Kufner  
Christoph Schörner  
www.opentec.de  
www.fichtelbann.de

LightControl\_V1.1.1

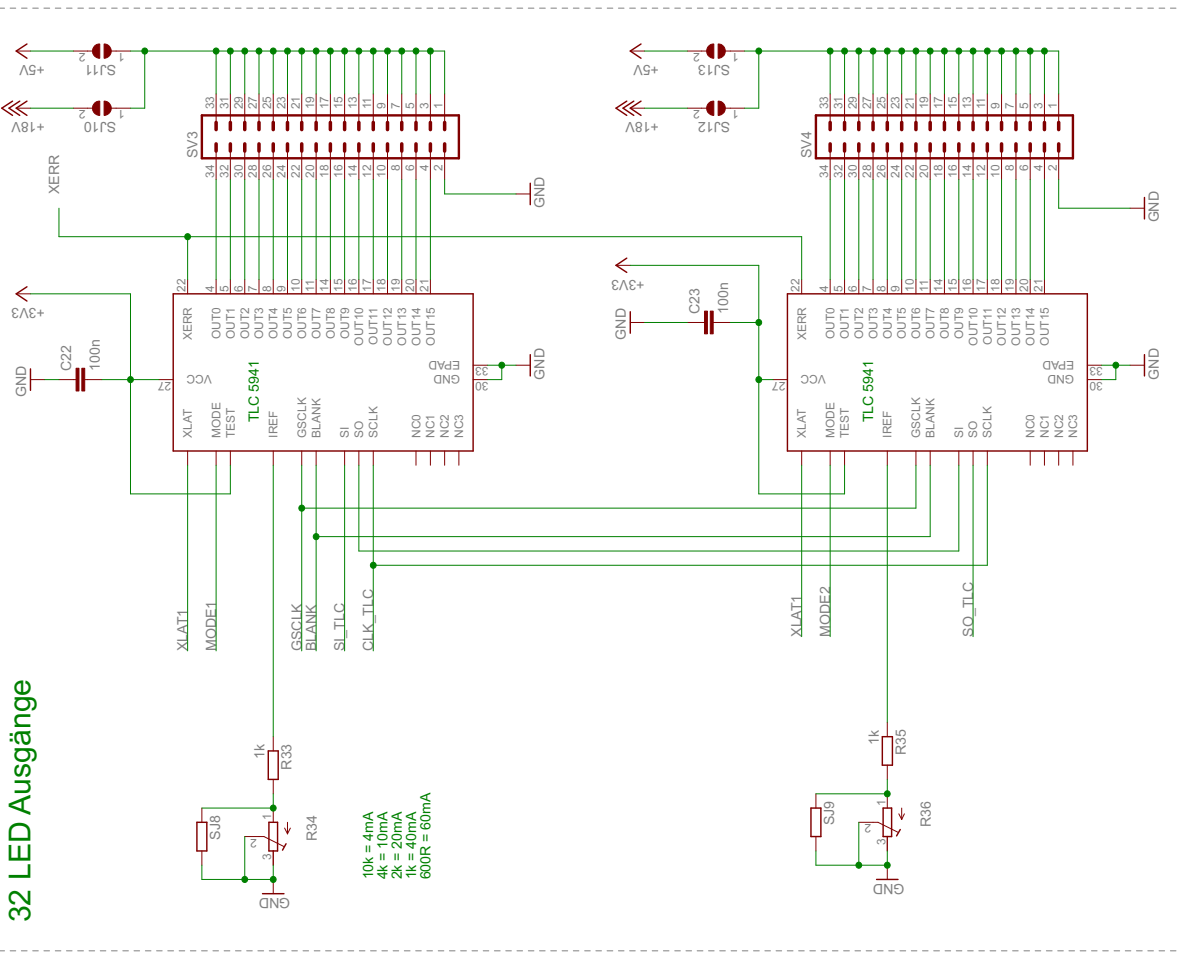
3/4/2012 4:13:11 PM

Sheet: 1/3

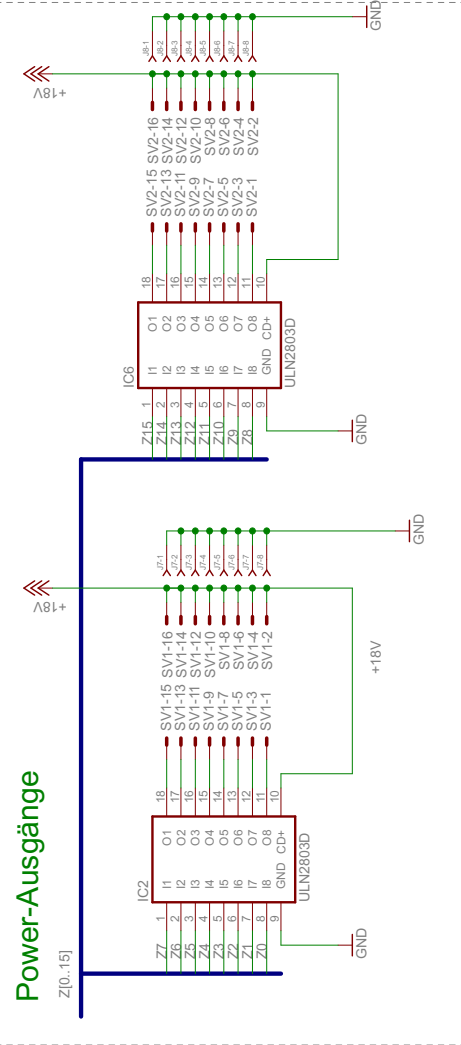
### 4x Servo-Ausgänge



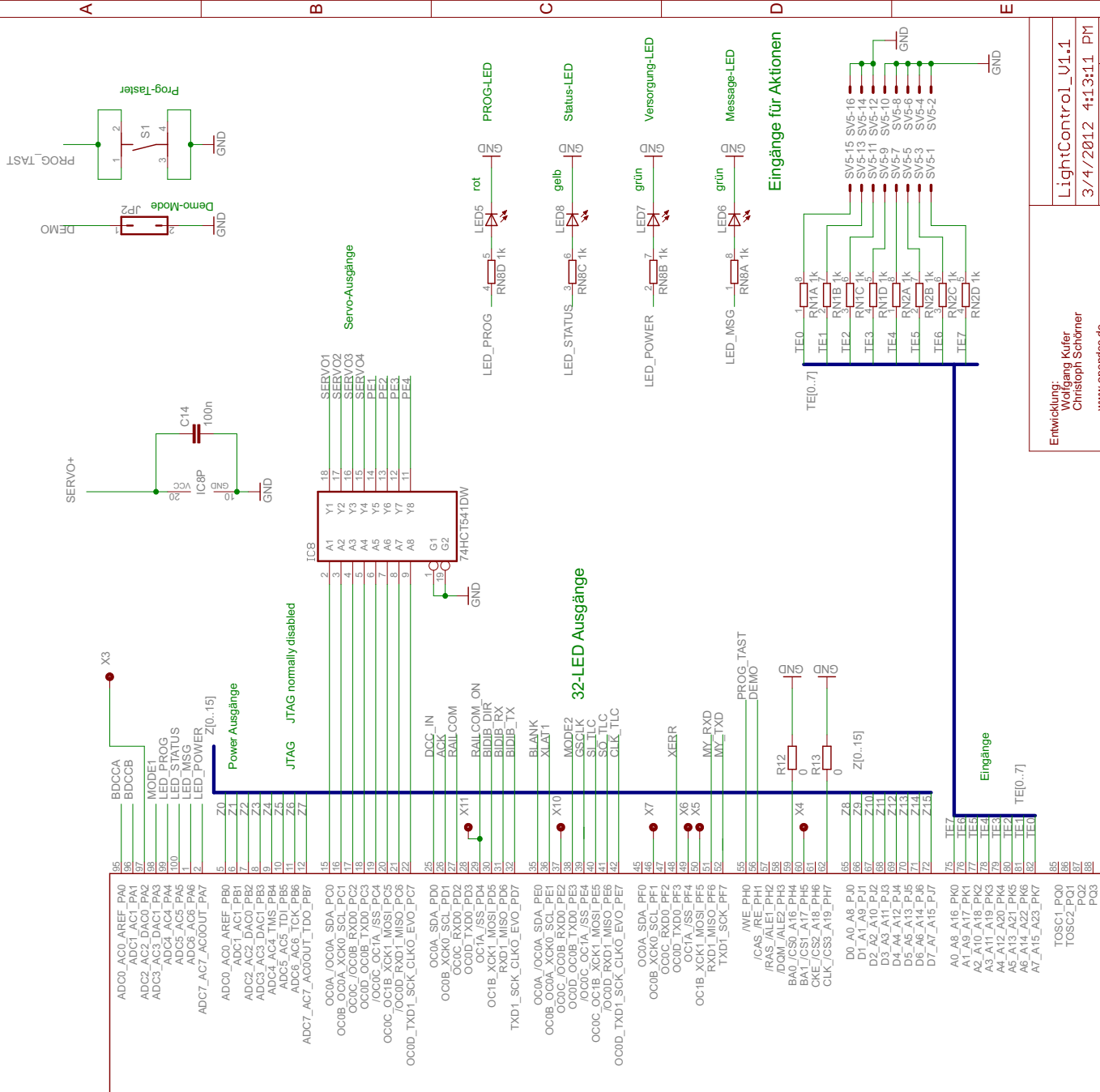
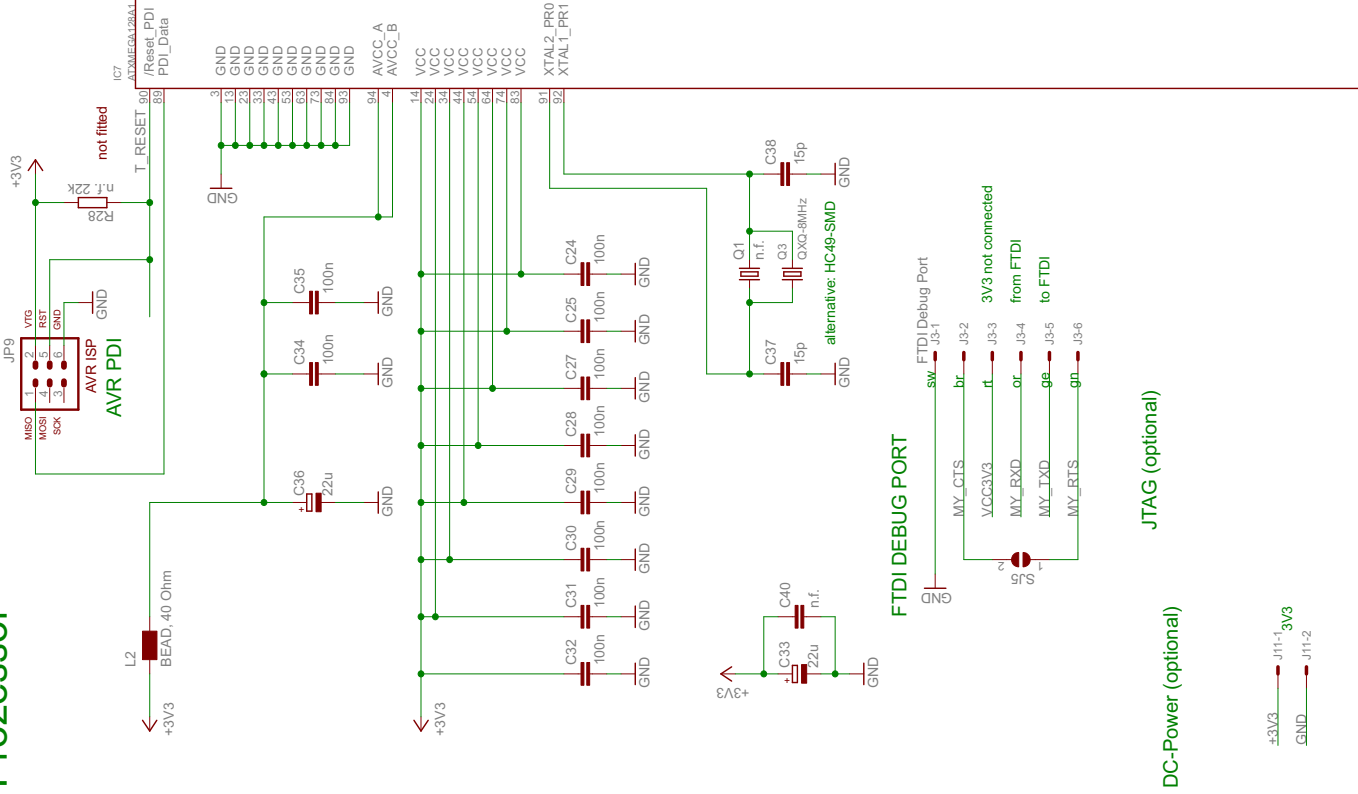
### 32 LED Ausgänge



### Power-Ausgänge



# Prozessor



# LightControl1 V1.1

(c)www.opendcc.de  
(c)www.fichtelbahn.de

PDI  
DC/AC

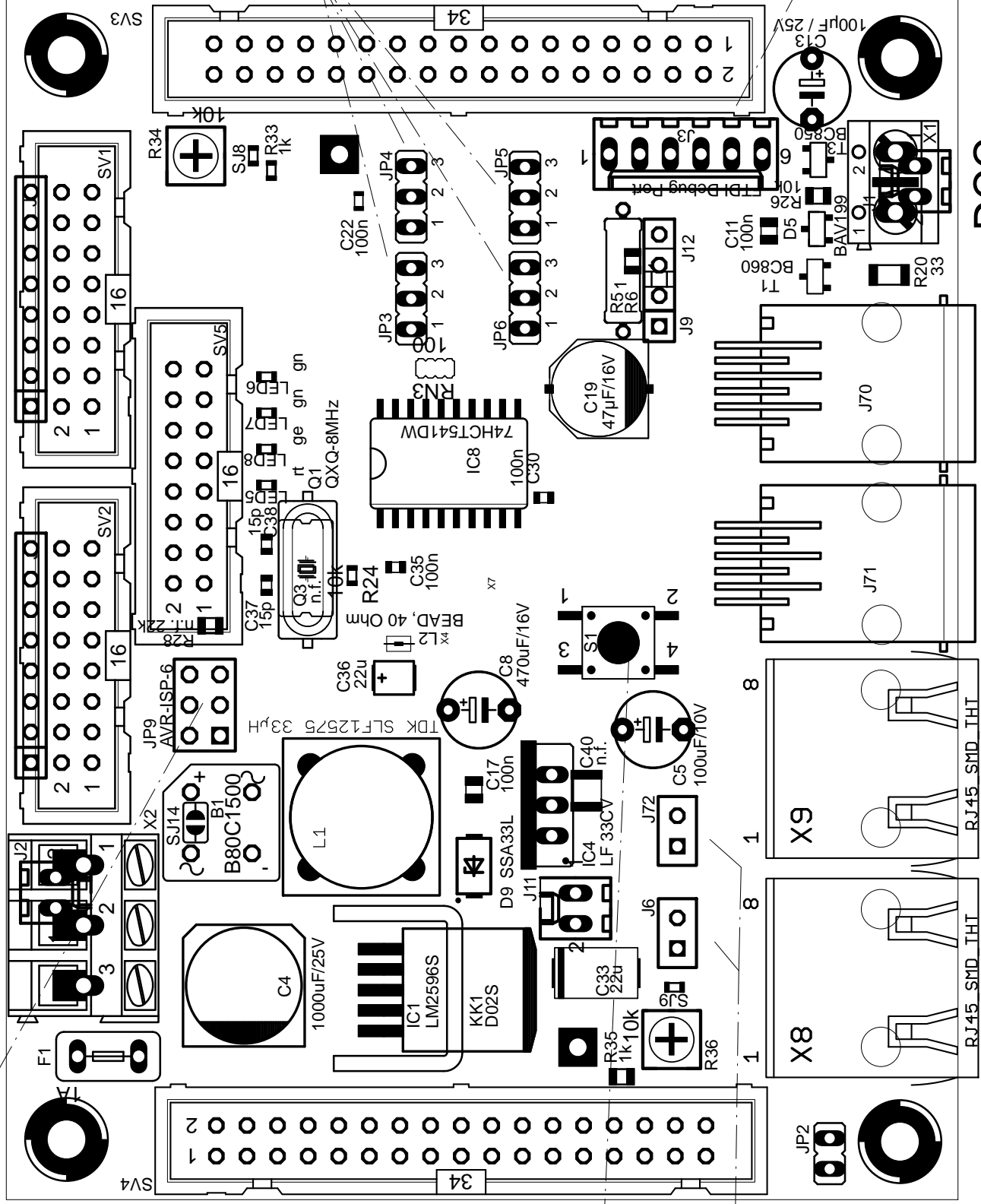
Power-Out2  
Key-In

Power-Out1

Servo

LED-Out1

FTDI



DCC

not fitted

<<BiDiB>>

Identify

Term

