LÜFTER

FAN1-4
FAN1-4

+12V

D1
D

Q1
IRLML2502

FAN_PWM

R3
10k

GND

RELAIS

+12V

D2
LL4148

R2
Relais

Q2
IRLML2060

R+

R4
10k

GND

+12V

D3
LL4148

R1
Relais

Q3
IRLML2060

R-

R5
10k

GND

+5V

C1
0u1F

C2
1uF

GND

+12V

U1
PDQE20-Ds_Self

+VOUT   +VIN
0V   On/Off
-VOUT   -VIN

C3
100uF 16V

GND

17-75V

C12
100uF 70V

GND

PWR1
Conn_01x02_Female

ISOLATION

+5V

INTERLOCK1
Battery Plug Interlock
Interlock erkennung mit Pulldown, falls nicht verbunden
wird pin auf GND gezogen

R6
10k

GND

+5V   +12V

I2C&PWR1
I2C&PWR

ALERT

GND

J1
Analog

Arduino_Nano_Every

+5V +12V VIN

TX1
RX1

RESET
RESET

AREF

A0
A1
A2
A3
SDA/A4
SCL/A5
A6
A7

D2
D3
D4
D5
D6
D7
D8
D9
D10

MOSI
MISO
SCK

GND

A1

R+
R-
FAN_PWM
ALERT

LS1
Speaker

GND

CAN

CS_CAN
MISO
MOSI

SCK

Datei: CAN.kicad_sch

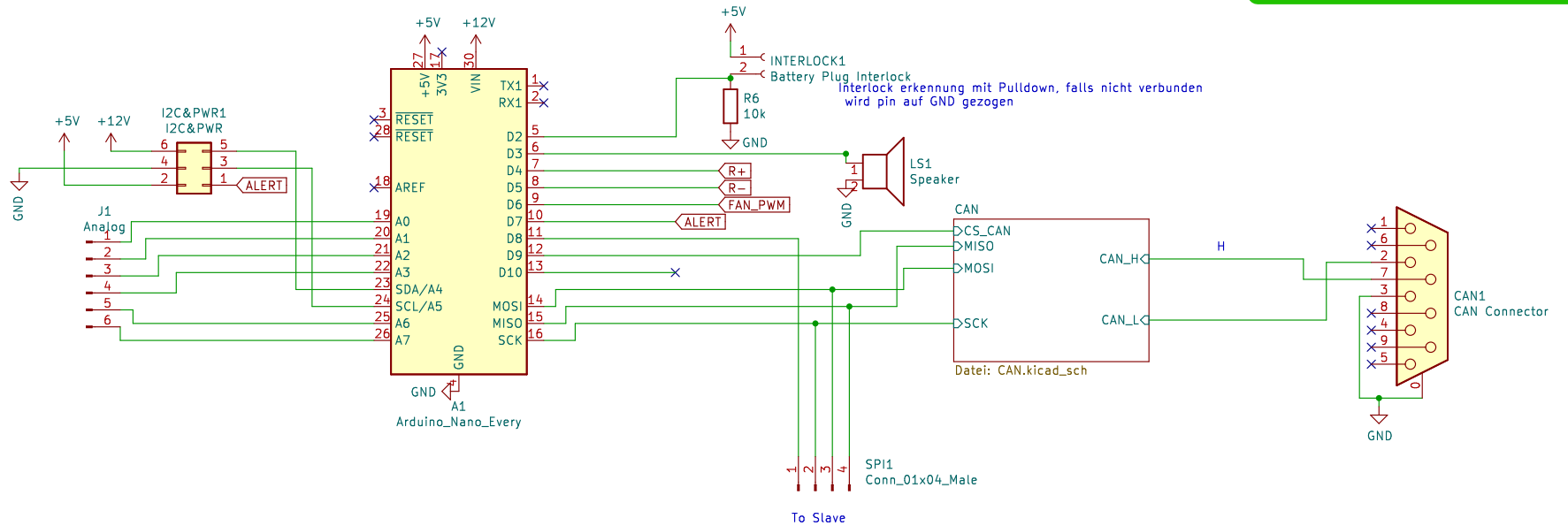CAN_H

CAN_L

H

CAN1
CAN Connector

GND

SPI1
Conn_01x04_Male

To Slave

H5
MountingHole

H1
MountingHole

H2
MountingHole

H3
MountingHole

H4
MountingHole

CAN