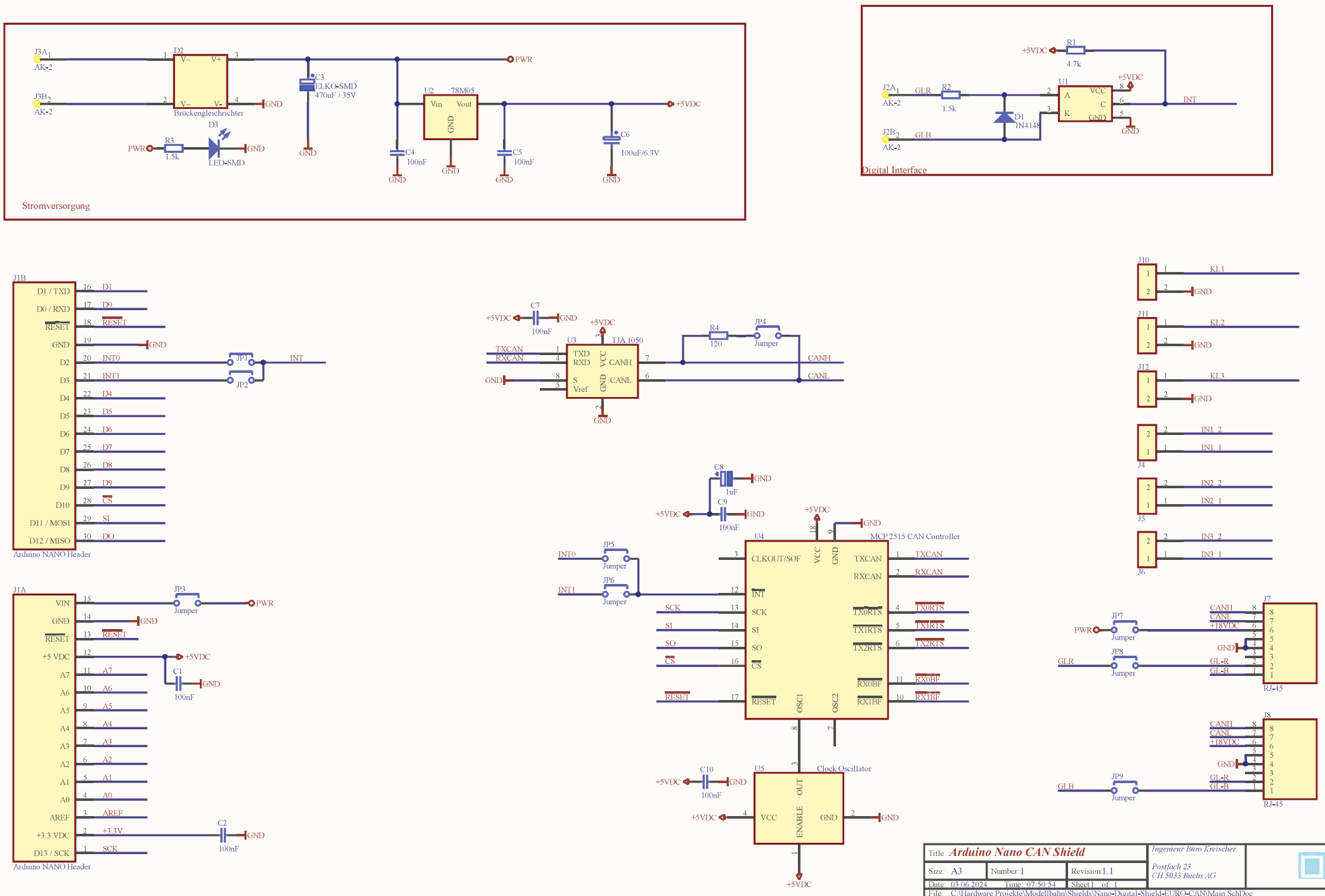
Stromversorgung
J3A
AK-2
J3B
AK-2
D2
Brückengleichrichter
PWR
GND
C3
ELKO-SMD
470uF / 35V
U2
78M05
Vin
Vout
GND
+5VDC
C4
100nF
C5
100nF
C6
100uF/6.3V
R3
1.5k
D3
LED-SMD
Digital Interface
+5VDC
R1
4.7k
J2A
AK-2
GLR
R2
1.5k
J2B
AK-2
GLB
D1
1N4148
U1
VCC
A
C
K
GND
INT
J1B
Arduino NANO Header
D1 / TXD
D0 / RXD
RESET
GND
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11 / MOSI
D12 / MISO
INT0
INT1
JP1
JP2
INT
J1A
Arduino NANO Header
VIN
GND
RESET
+5 VDC
A7
A6
A5
A4
A3
A2
A1
A0
AREF
+3.3 VDC
D13 / SCK
JP3
Jumper
PWR
C1
100nF
C2
100nF
+3,3V
SCK
C7
100nF
U3
TJA 1050
TXD
RXD
S
Vref
VCC
CANH
CANL
TXCAN
RXCAN
R4
120
JP4
Jumper
C8
1uF
C9
100nF
U4
MCP 2515 CAN Controller
CLKOUT/SOF
INT
SCK
SI
SO
CS
RESET
OSC1
OSC2
VCC
GND
TXCAN
RXCAN
TX0RTS
TX1RTS
TX2RTS
RX0BF
RX1BF
JP5
Jumper
JP6
Jumper
U5
Clock Oscillator
OUT
ENABLE
VCC
GND
C10
100nF
J10
KL1
GND
J11
KL2
GND
J12
KL3
GND
J4
IN1_2
IN1_1
J5
IN2_2
IN2_1
J6
IN3_2
IN3_1
J7
RJ-45
JP7
Jumper
JP8
Jumper
CANH
CANL
+18VDC
GND
GL-R
GL-B
J8
RJ-45
JP9
Jumper
Title Arduino Nano CAN Shield
Size: A3
Number: 1
Revision: 1.1
Date: 03.06.2024
Time: 07:50:54
Sheet 1 of 1
File: C:\Hardware Projekte\Modellbahn\Shields\Nano-Digital-Shield-EURO-CAN\Main.SchDoc
Ingenieur Büro Kreischer
Postfach 23
CH 5033 Buchs AG