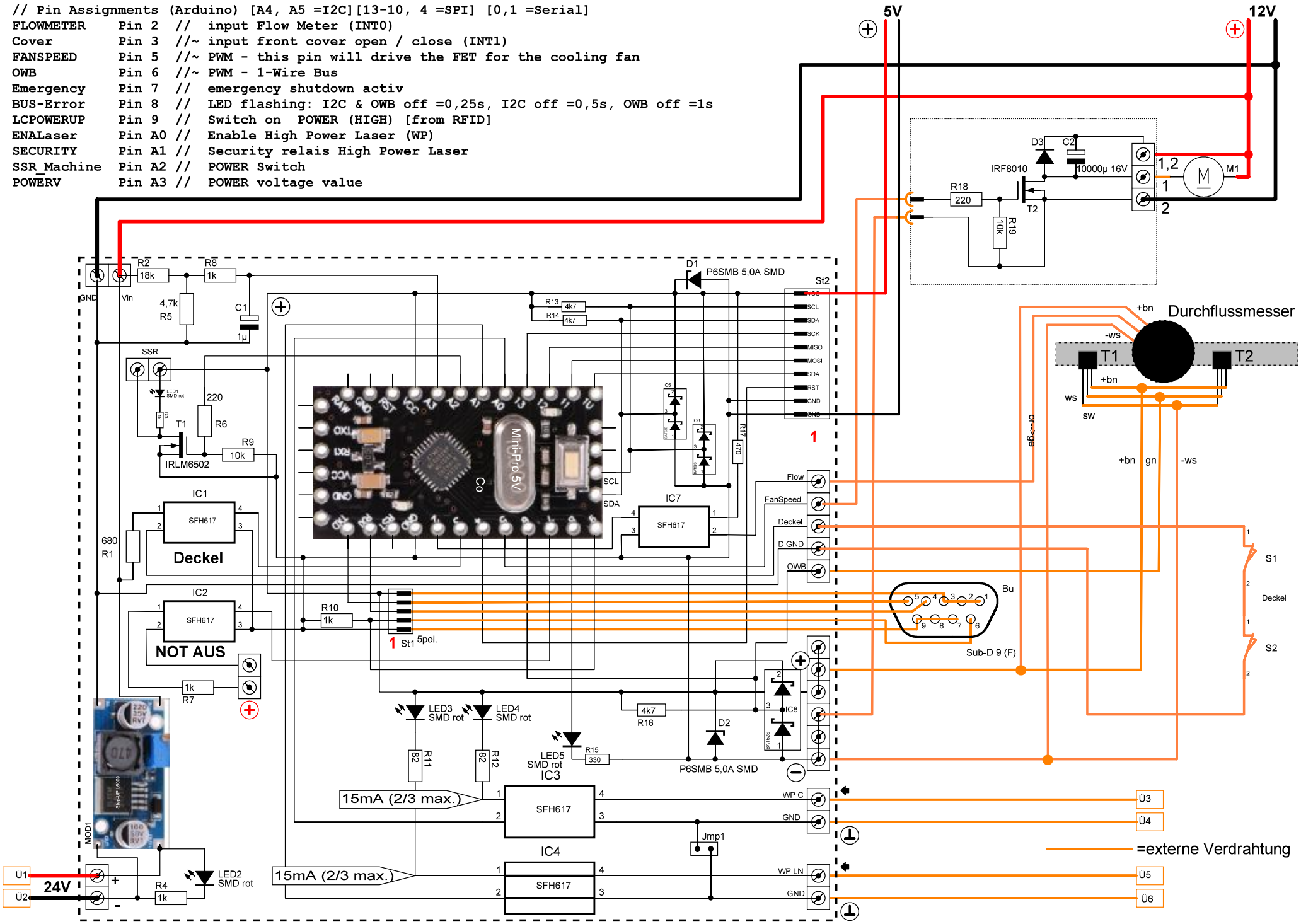
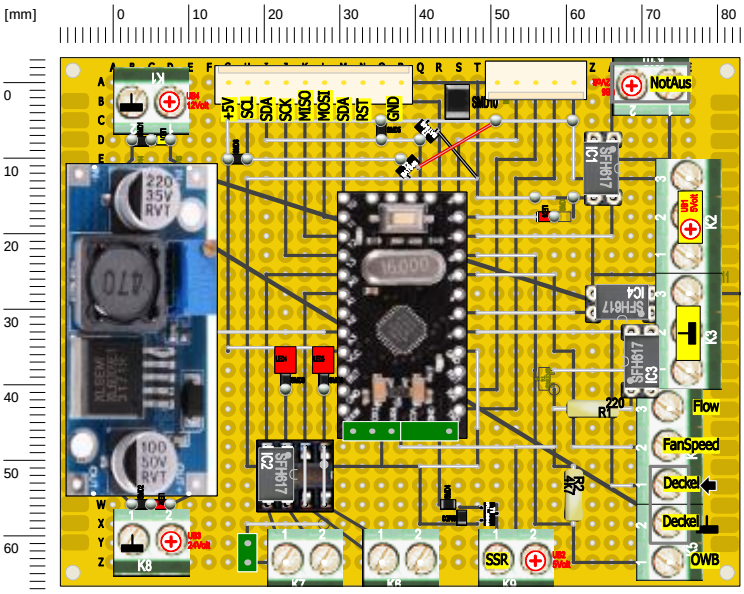
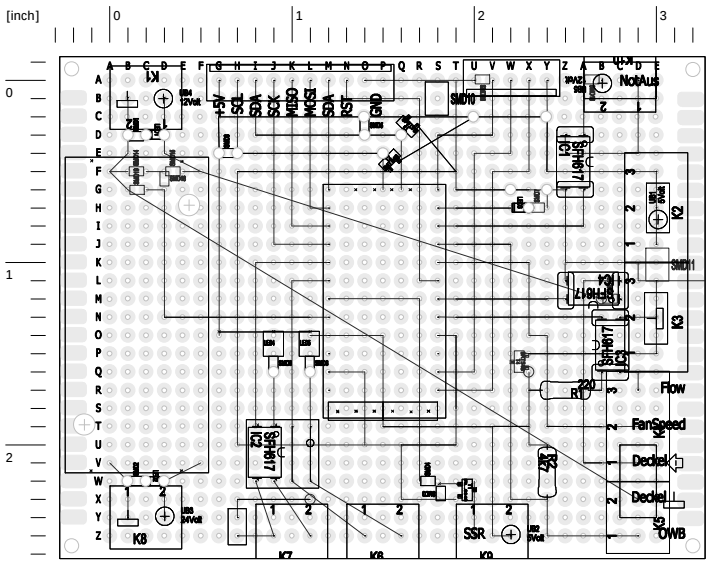
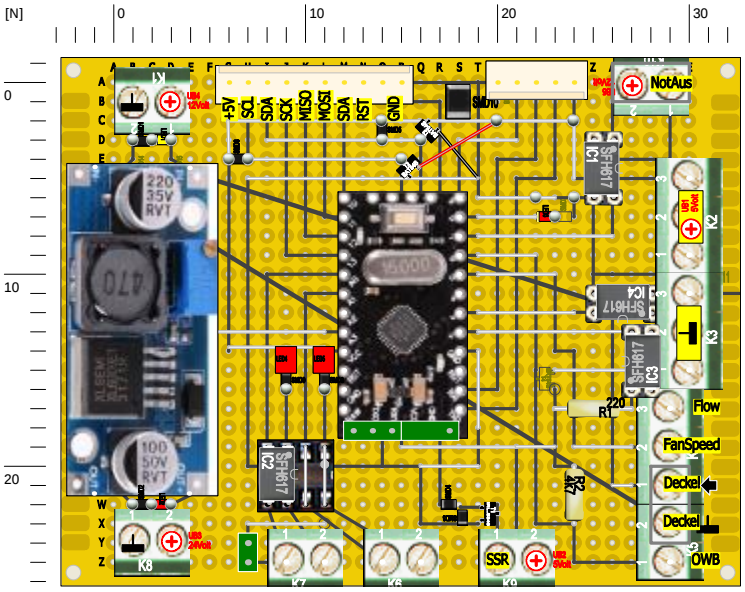
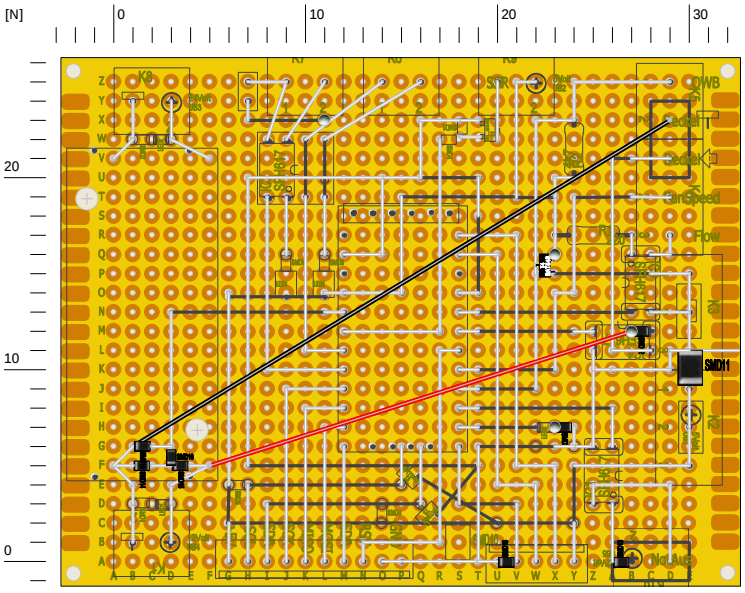
```
// Pin Assignments (Arduino) [A4, A5 =I2C][13-10, 4 =SPI] [0,1 =Serial]
FLOWMETER     Pin 2  //  input Flow Meter (INT0)
Cover         Pin 3  //~ input front cover open / close (INT1)
FANSPEED      Pin 5  //~ PWM - this pin will drive the FET for the cooling fan
OWB           Pin 6  //~ PWM - 1-Wire Bus
Emergency     Pin 7  //  emergency shutdown activ
BUS-Error     Pin 8  //  LED flashing: I2C & OWB off =0,25s, I2C off =0,5s, OWB off =1s
LCPOWERUP     Pin 9  //  Switch on  POWER (HIGH) [from RFID]
ENALaser      Pin A0 //  Enable High Power Laser (WP)
SECURITY      Pin A1 //  Security relais High Power Laser
SSR_Machine   Pin A2 //  POWER Switch
POWERV        Pin A3 //  POWER voltage value
```





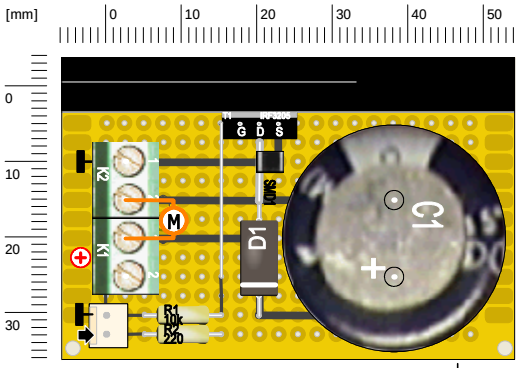


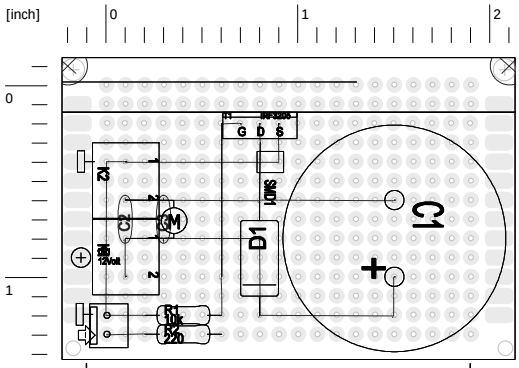


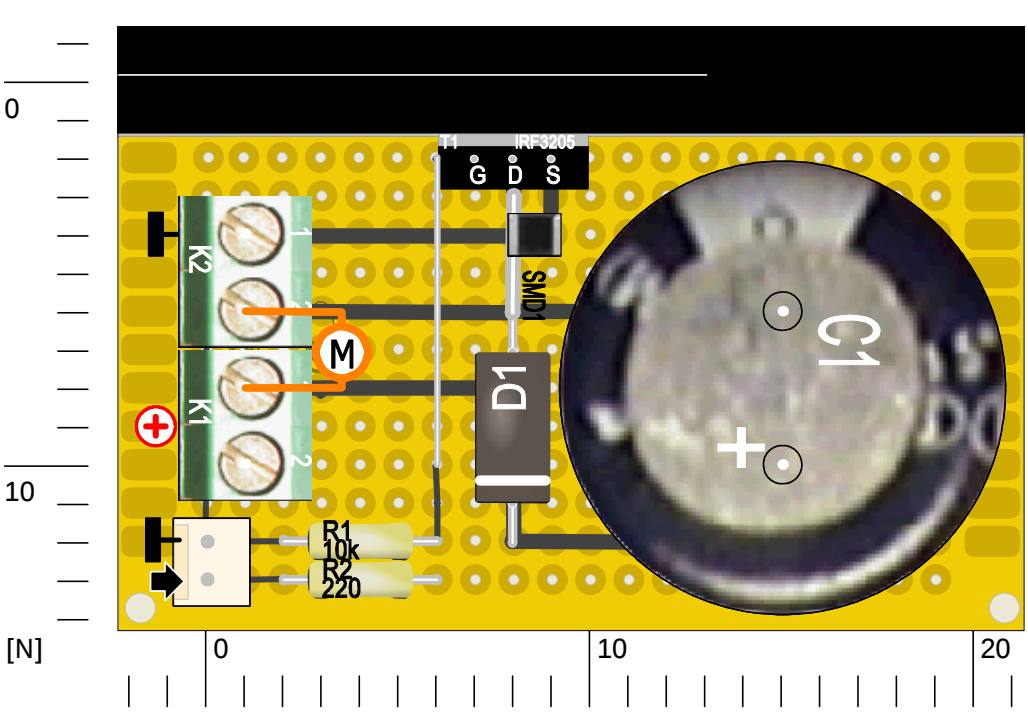


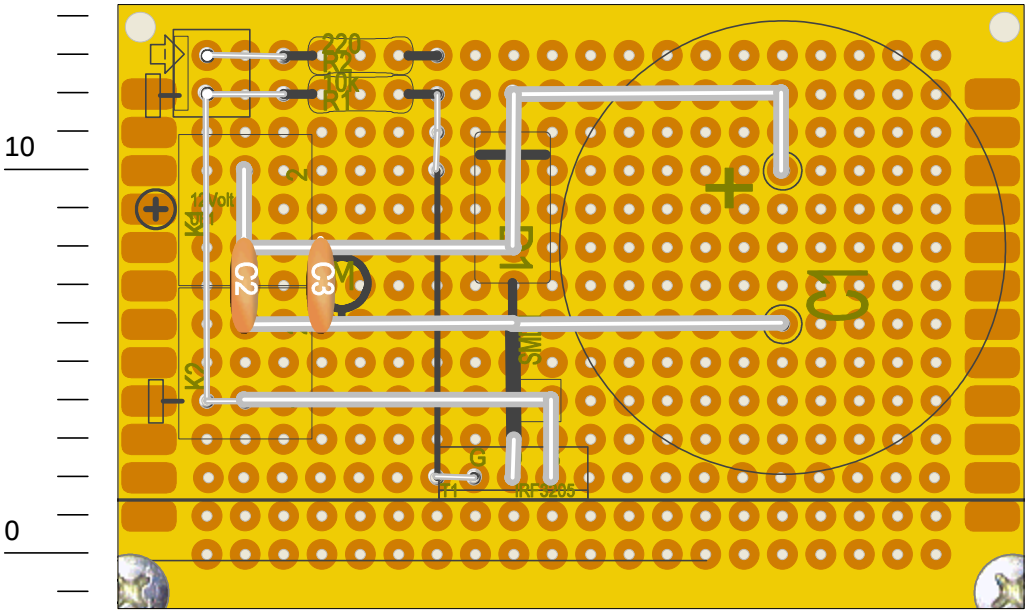
Projekt: lasercutterplatinenv6 [LasercutterController]
Abmessungen: 90,00 x 70,00 mm

16.11.2020
18:09:19
Blatt 1 / 1



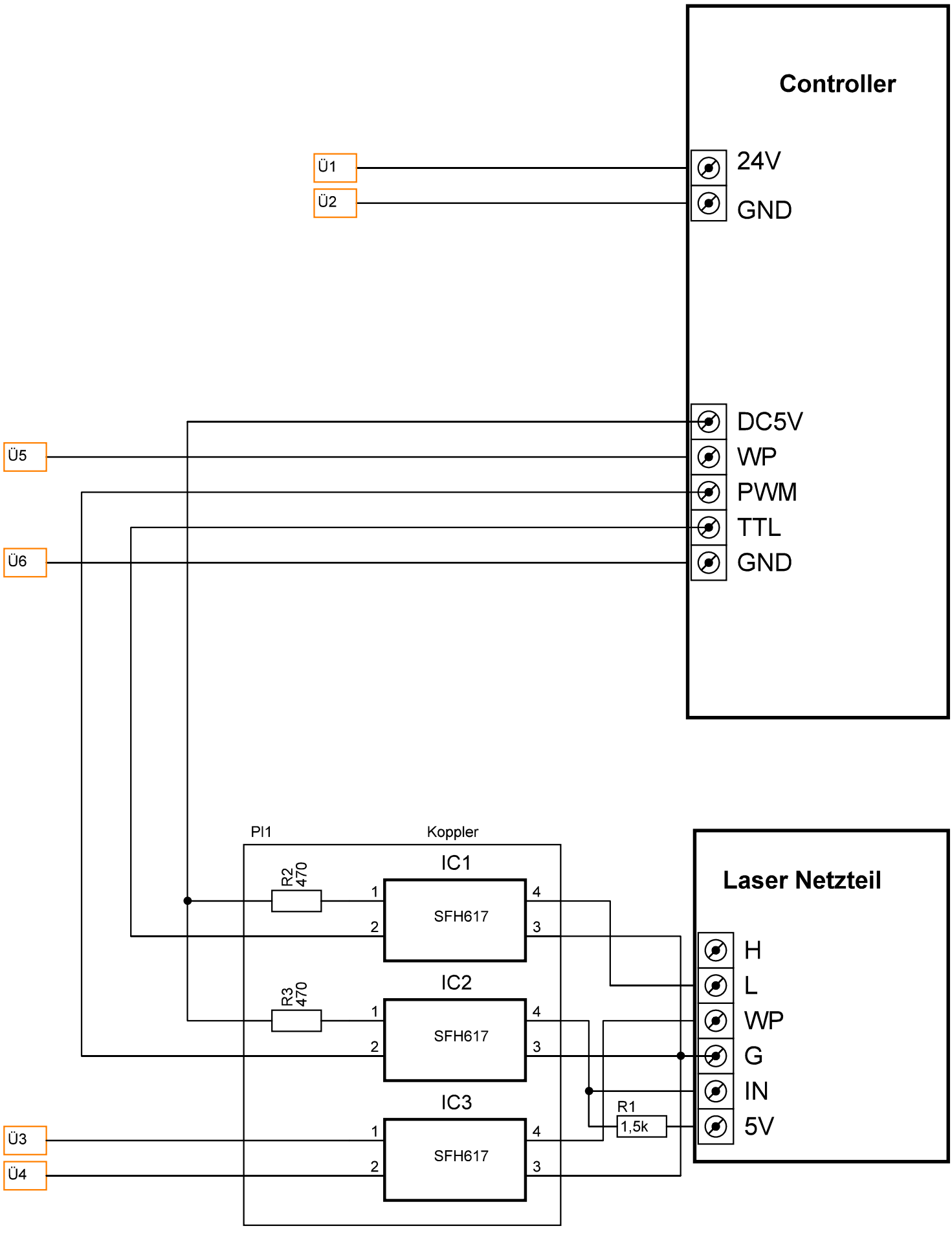


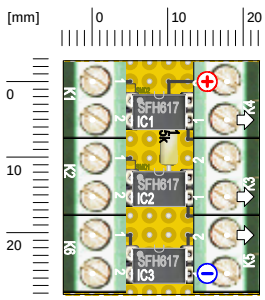


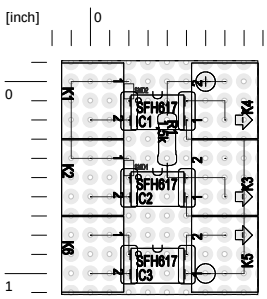


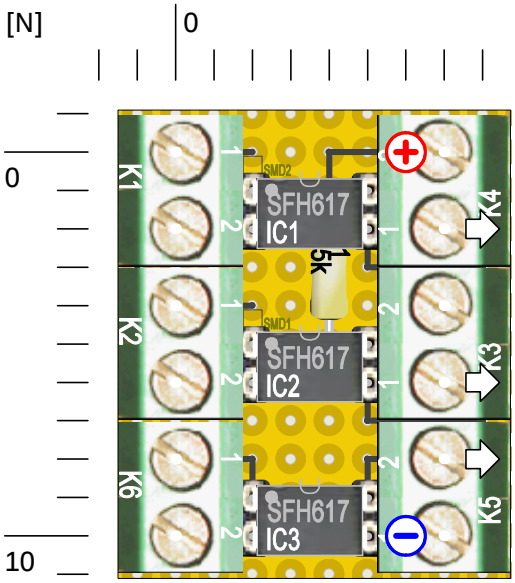
Projekt: lasercutterplatinenv6 [BreakOut FanSpeed]
Abmessungen: 60,00 x 40,00 mm

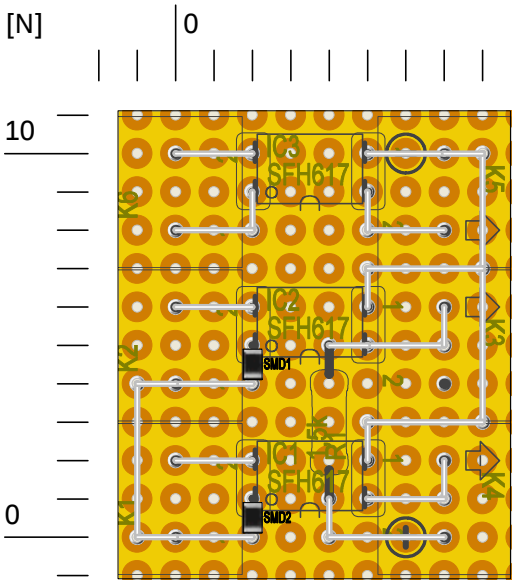
16.11.2020
18:09:28
Blatt 1 / 1


Controller
Ü1
Ü2
24V
GND
Ü5
Ü6
DC5V
WP
PWM
TTL
GND
Pl1
Koppler
IC1
R2
470
1
2
SFH617
4
3
IC2
R3
470
1
2
SFH617
4
3
IC3
1
2
SFH617
4
3
R1
1,5k
Laser Netzteil
H
L
WP
G
IN
5V
Ü3
Ü4

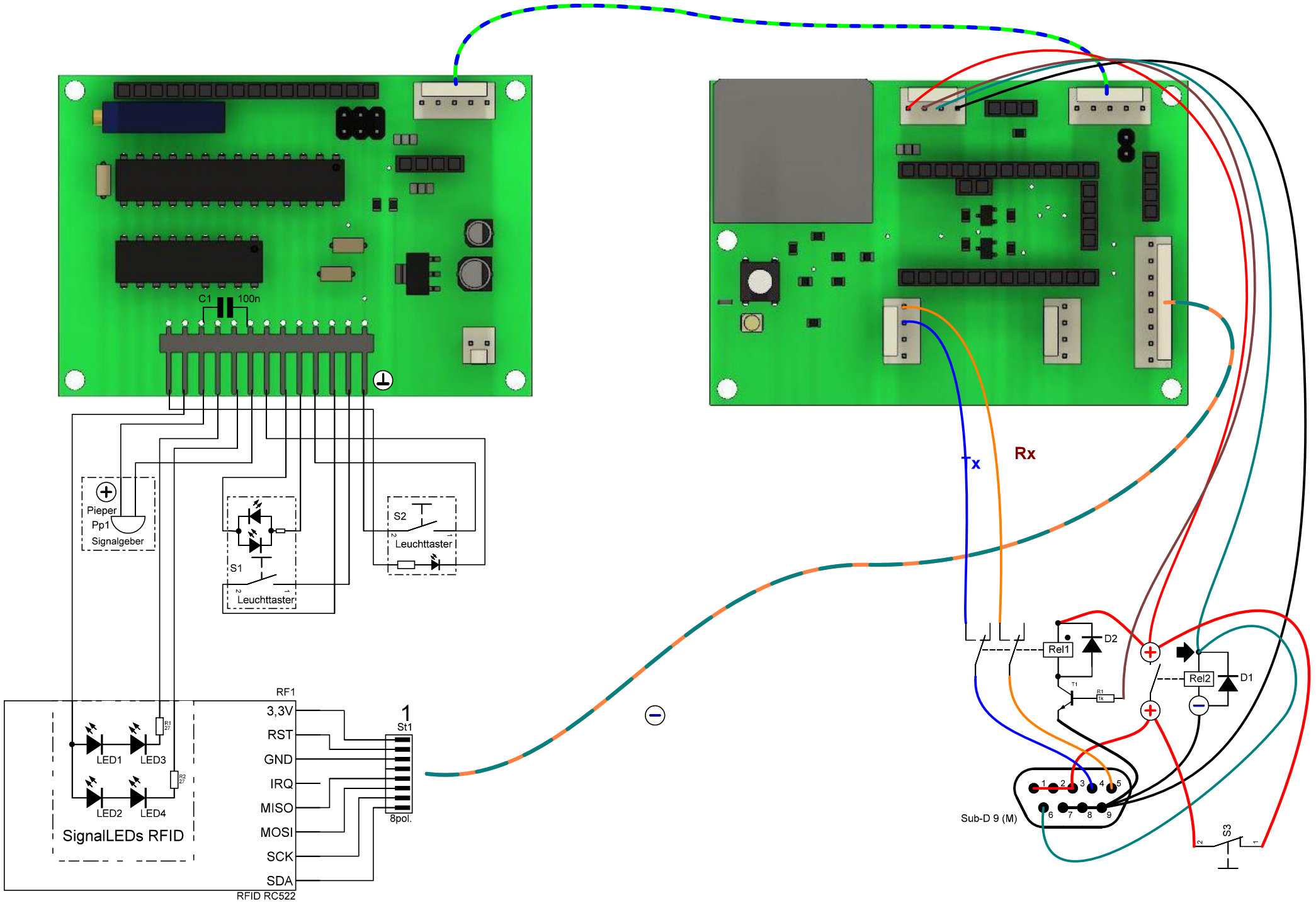


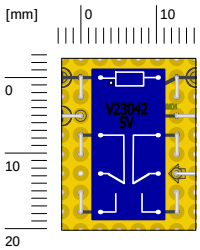


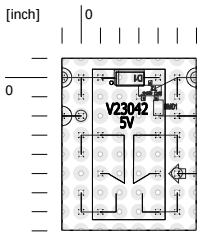


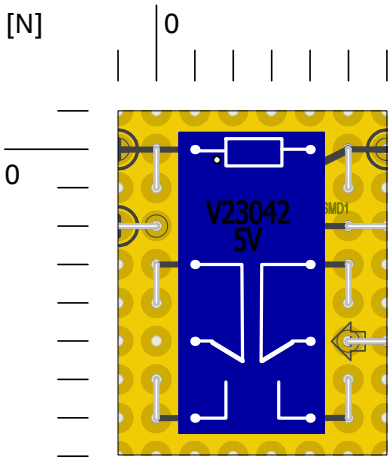


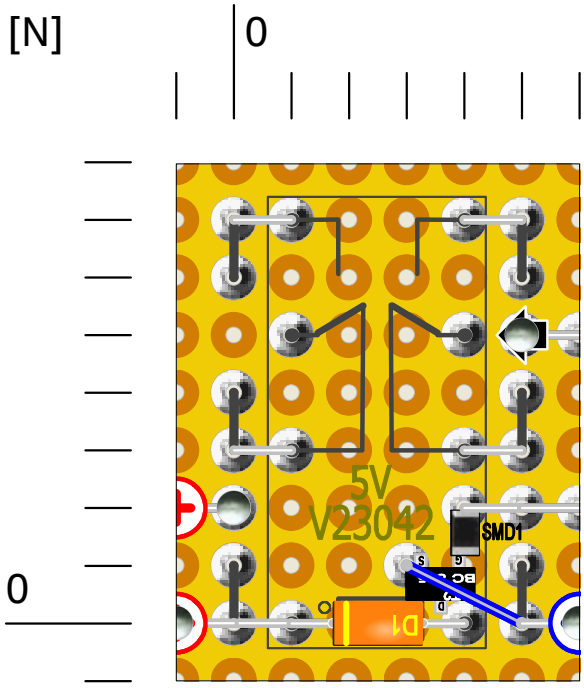
Projekt: lasercutterplatinenv6 [Koppler3R]	16.11.2020
Abmessungen: 26,00 x 31,00 mm	18:10:04
	Blatt 1 / 1


C1
100n
Pieper
Pp1
Signalgeber
S1
Leuchttaster
S2
Leuchttaster
Tx
Rx
Rel1
D2
Rel2
D1
S3
Sub-D 9 (M)
1 2 3 4 5
6 7 8 9
RF1
3,3V
RST
GND
IRQ
MISO
MOSI
SCK
SDA
RFID RC522
1
St1
8pol.
LED1
LED3
LED2
LED4
SignalLEDs RFID



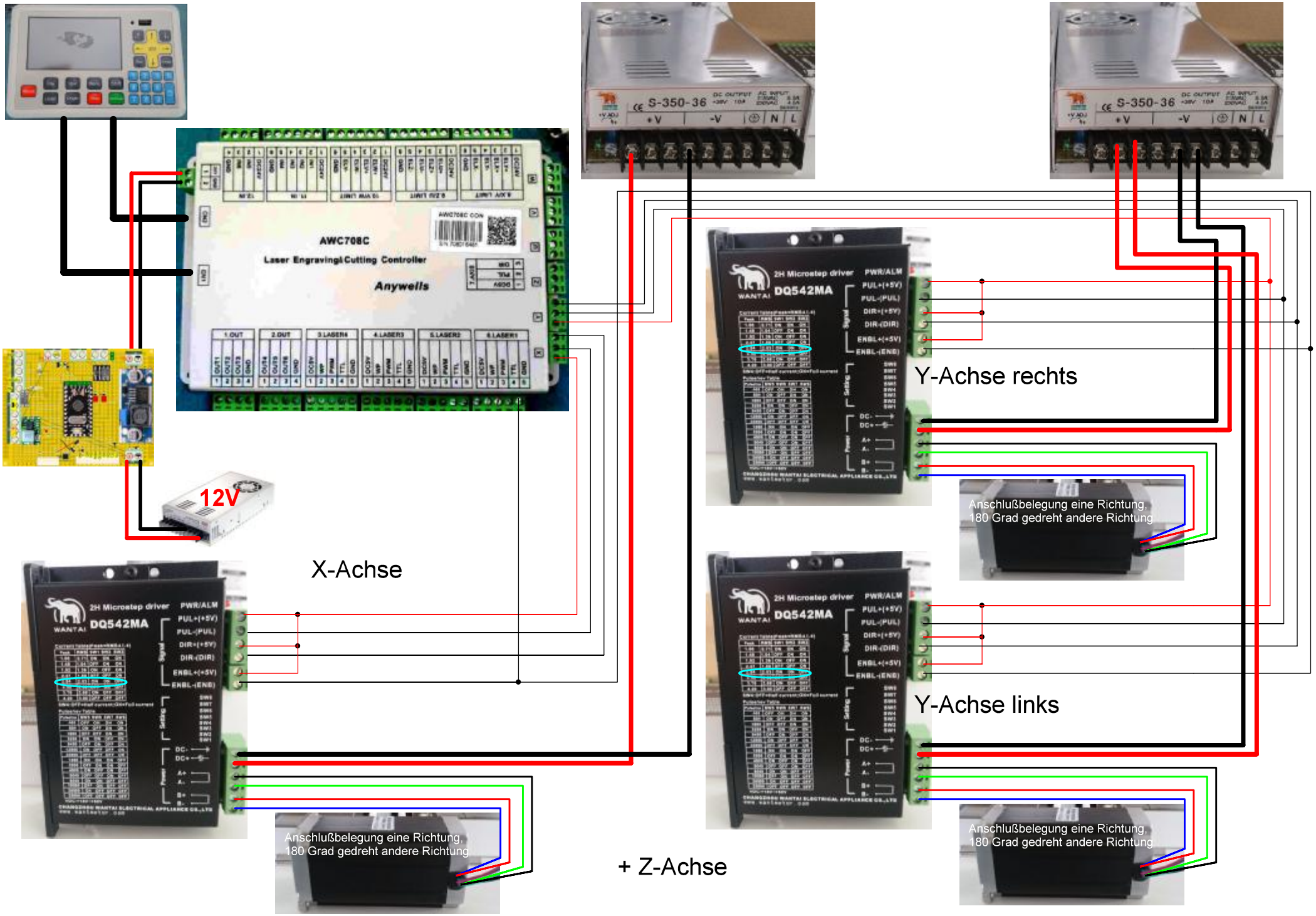


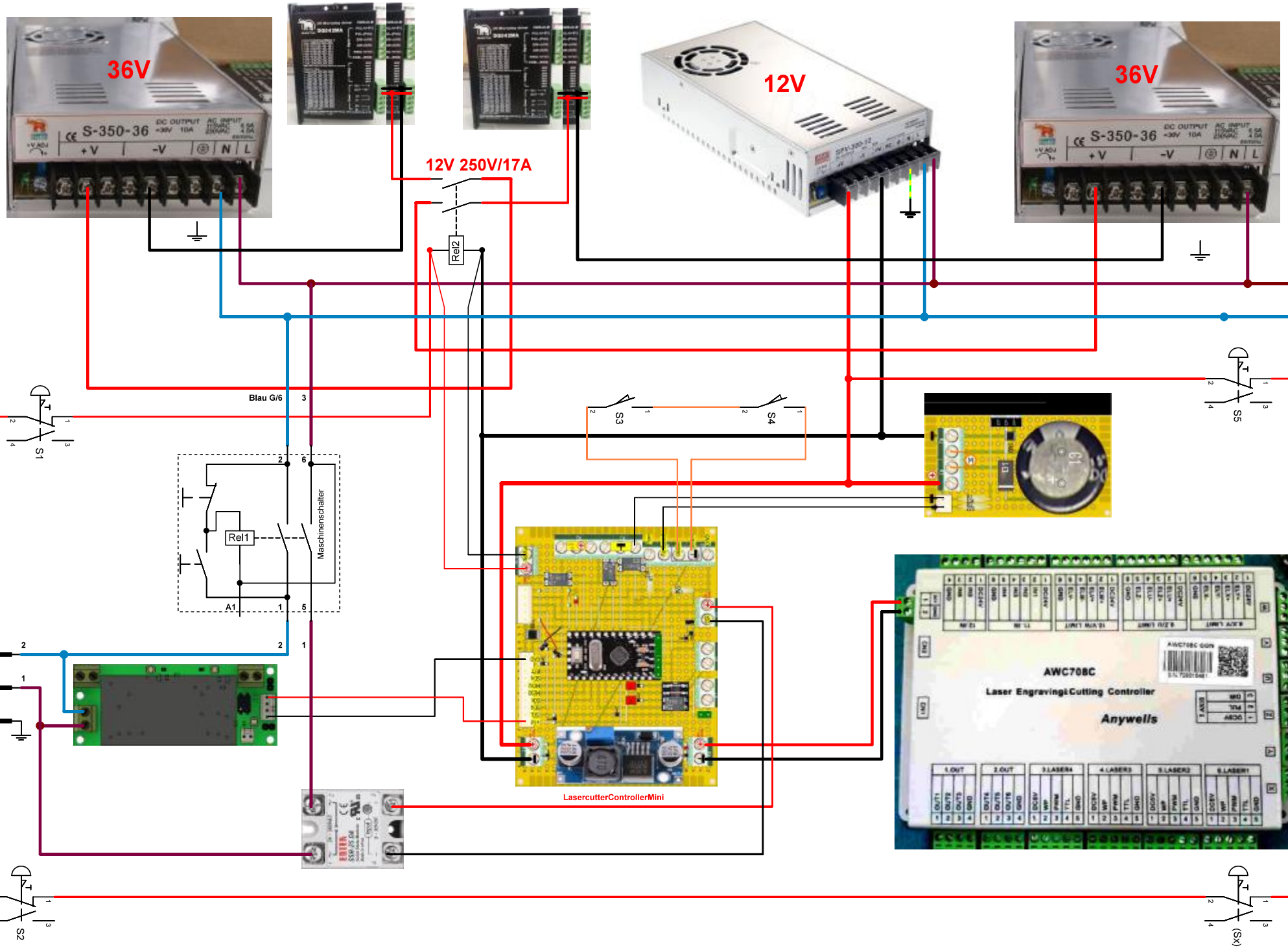




Projekt: lasercutterplatinenv6 [PowerOn Relais]
Abmessungen: 17,80 x 22,80 mm

16.11.2020
18:11:05
Blatt 1 / 1


AWC708C
Laser Engraving&Cutting Controller
Anywells
S-350-36
+V
-V
N
L
2H Microstep driver
DQ542MA
WANTAI
PWR/ALM
PUL+(+5V)
PUL-(PUL)
DIR+(+5V)
DIR-(DIR)
ENBL+(+5V)
ENBL-(ENBL)
12V
X-Achse
Y-Achse rechts
Y-Achse links
+ Z-Achse
Anschlußbelegung eine Richtung,
180 Grad gedreht andere Richtung
Anschlußbelegung eine Richtung,
180 Grad gedreht andere Richtung
Anschlußbelegung eine Richtung,
180 Grad gedreht andere Richtung


36V
S-350-36
+V
-V
N
L
12V
36V
12V 250V/17A
Rel2
Blau G/6
3
S1
S2
S3
S4
S5
Rel1
Maschinenschalter
A1
2
6
1
5
LasercutterControllerMini
AWC708C
Laser Engraving&Cutting Controller
Anywells
(Sx)