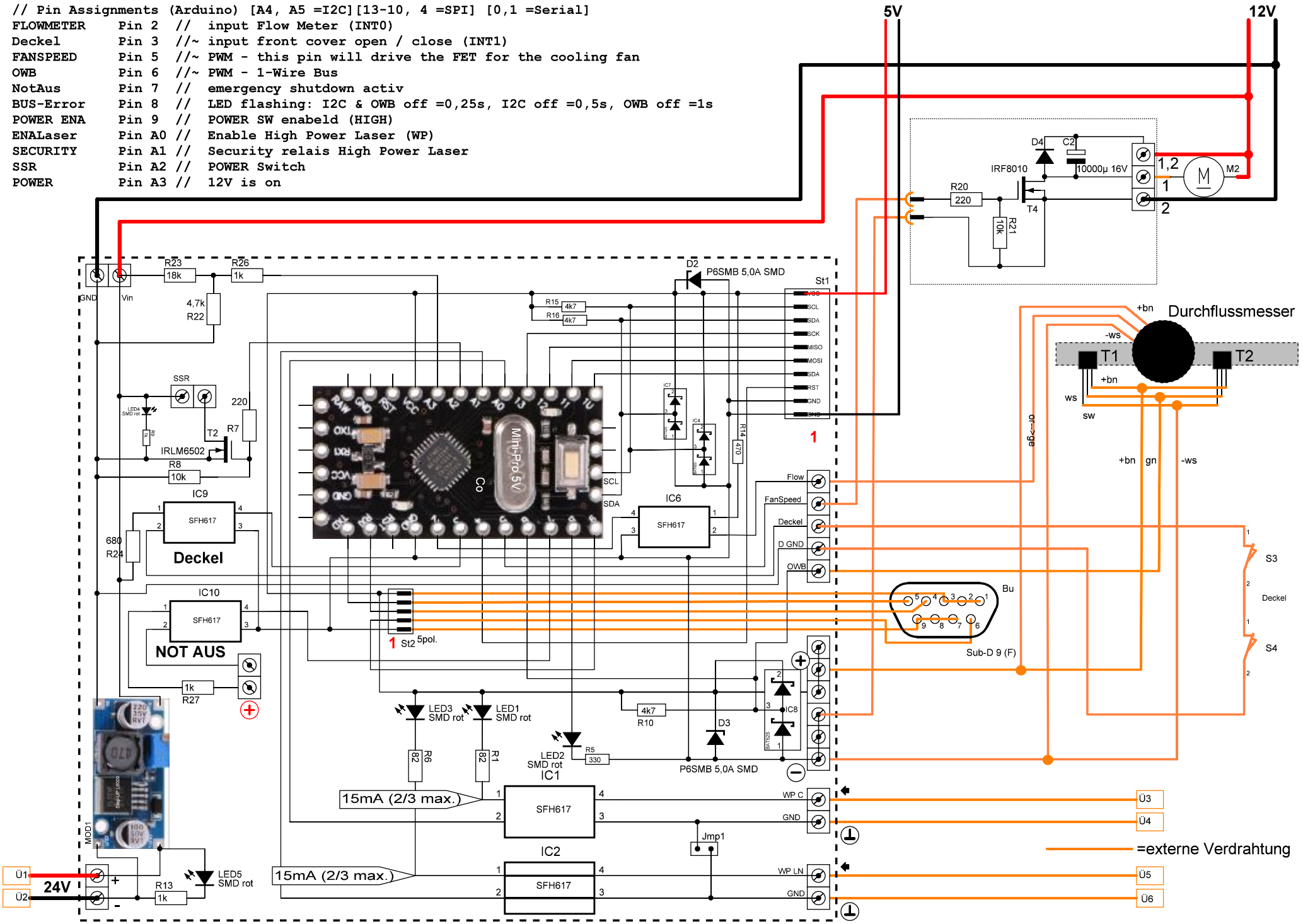
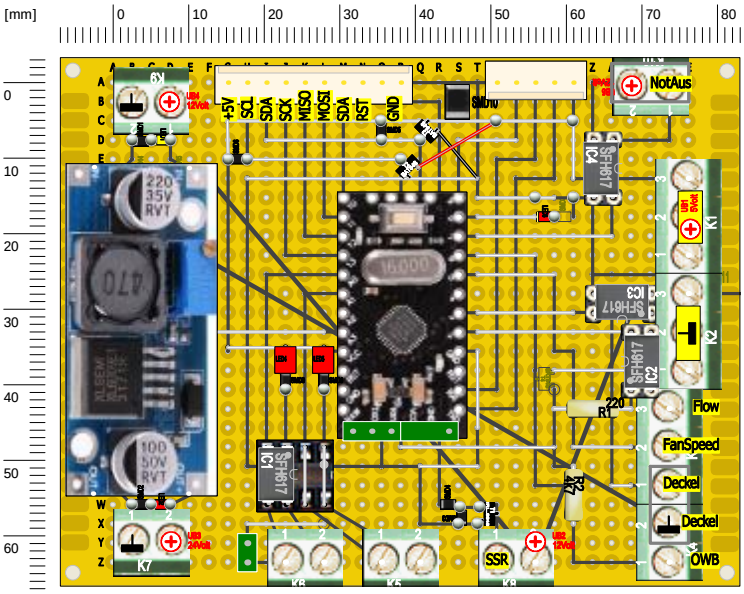
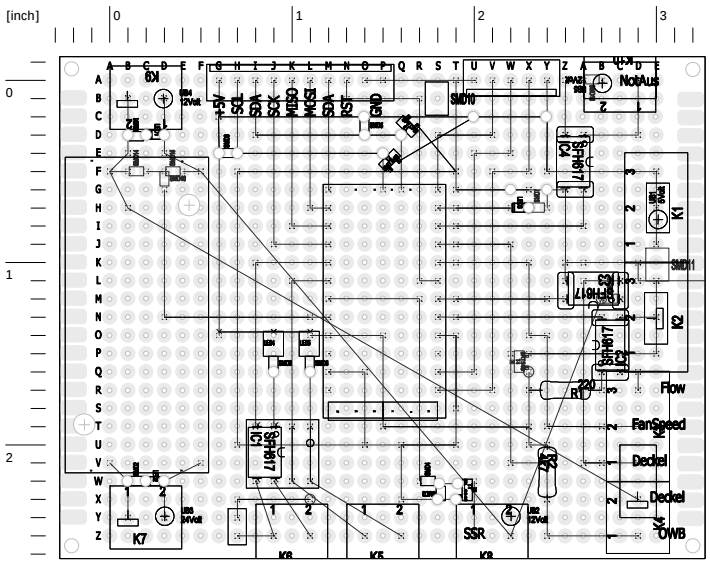
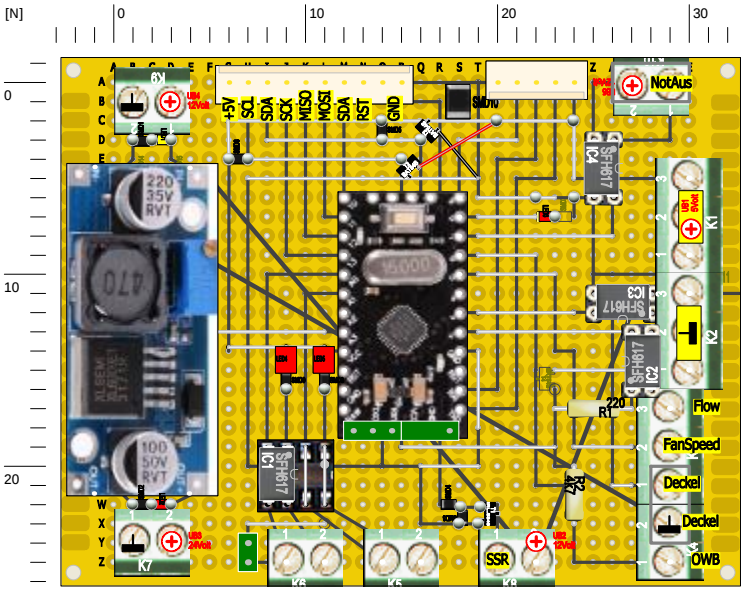
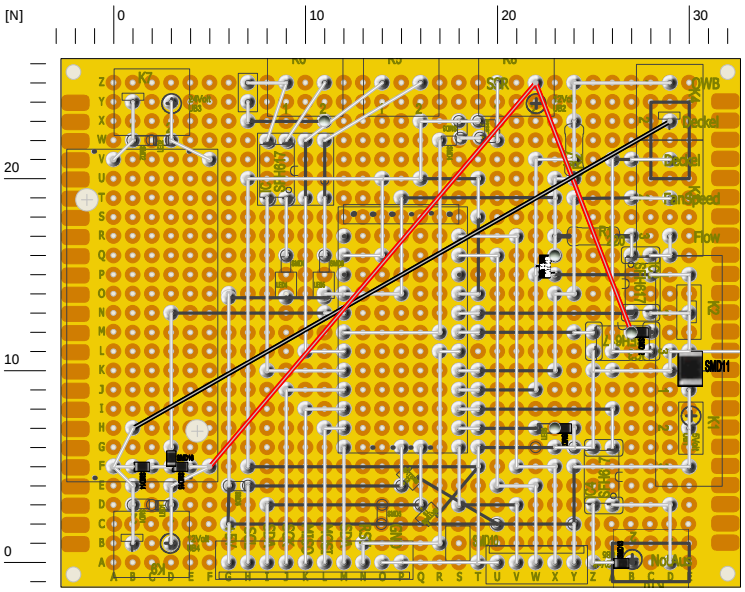
```
// Pin Assignments (Arduino) [A4, A5 =I2C][13-10, 4 =SPI] [0,1 =Serial]
FLOWMETER     Pin 2  //  input Flow Meter (INT0)
Deckel        Pin 3  //~ input front cover open / close (INT1)
FANSPEED      Pin 5  //~ PWM - this pin will drive the FET for the cooling fan
OWB           Pin 6  //~ PWM - 1-Wire Bus
NotAus        Pin 7  //  emergency shutdown activ
BUS-Error     Pin 8  //  LED flashing: I2C & OWB off =0,25s, I2C off =0,5s, OWB off =1s
POWER ENA     Pin 9  //  POWER SW enabeld (HIGH)
ENALaser      Pin A0 //  Enable High Power Laser (WP)
SECURITY      Pin A1 //  Security relais High Power Laser
SSR           Pin A2 //  POWER Switch
POWER         Pin A3 //  12V is on
```





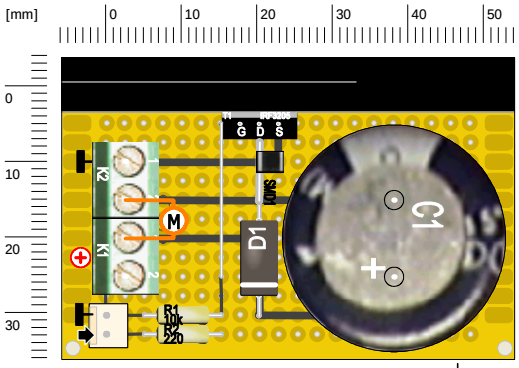


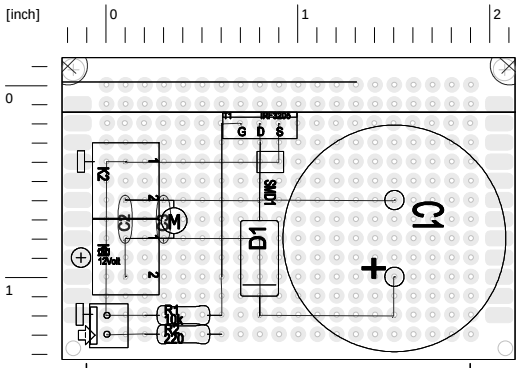


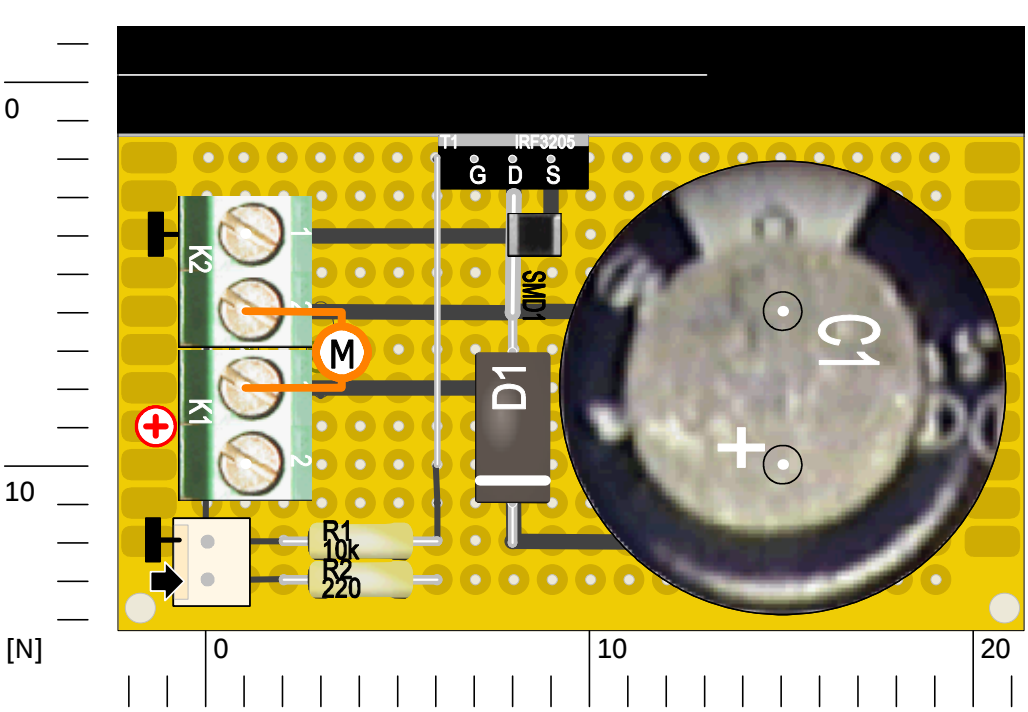


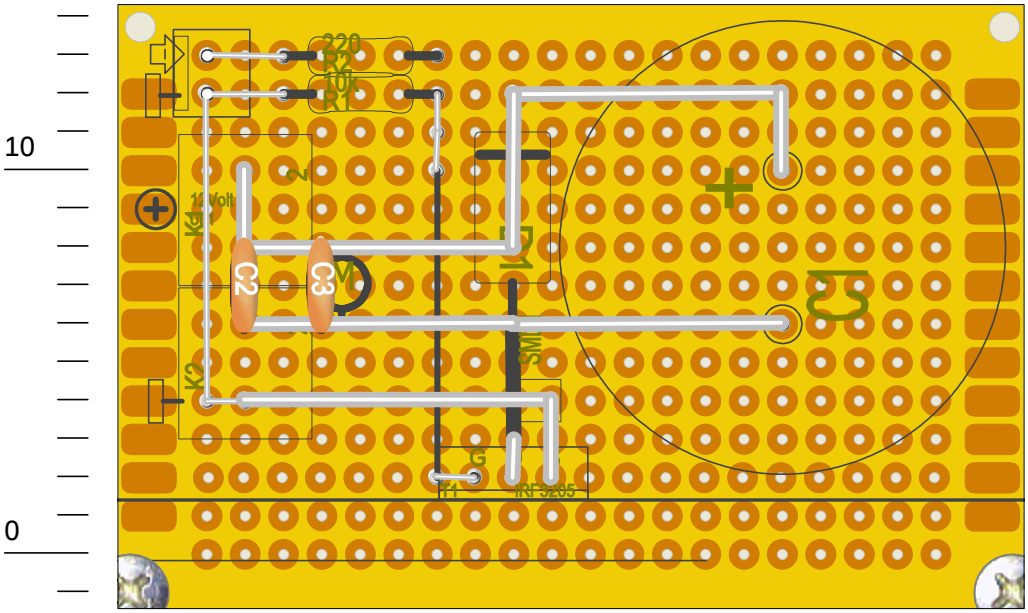
Projekt: lasercutterplatinenV6 [LasercutterController]
Abmessungen: 90,00 x 70,00 mm

26.10.2020
12:51:33
Blatt 1 / 1

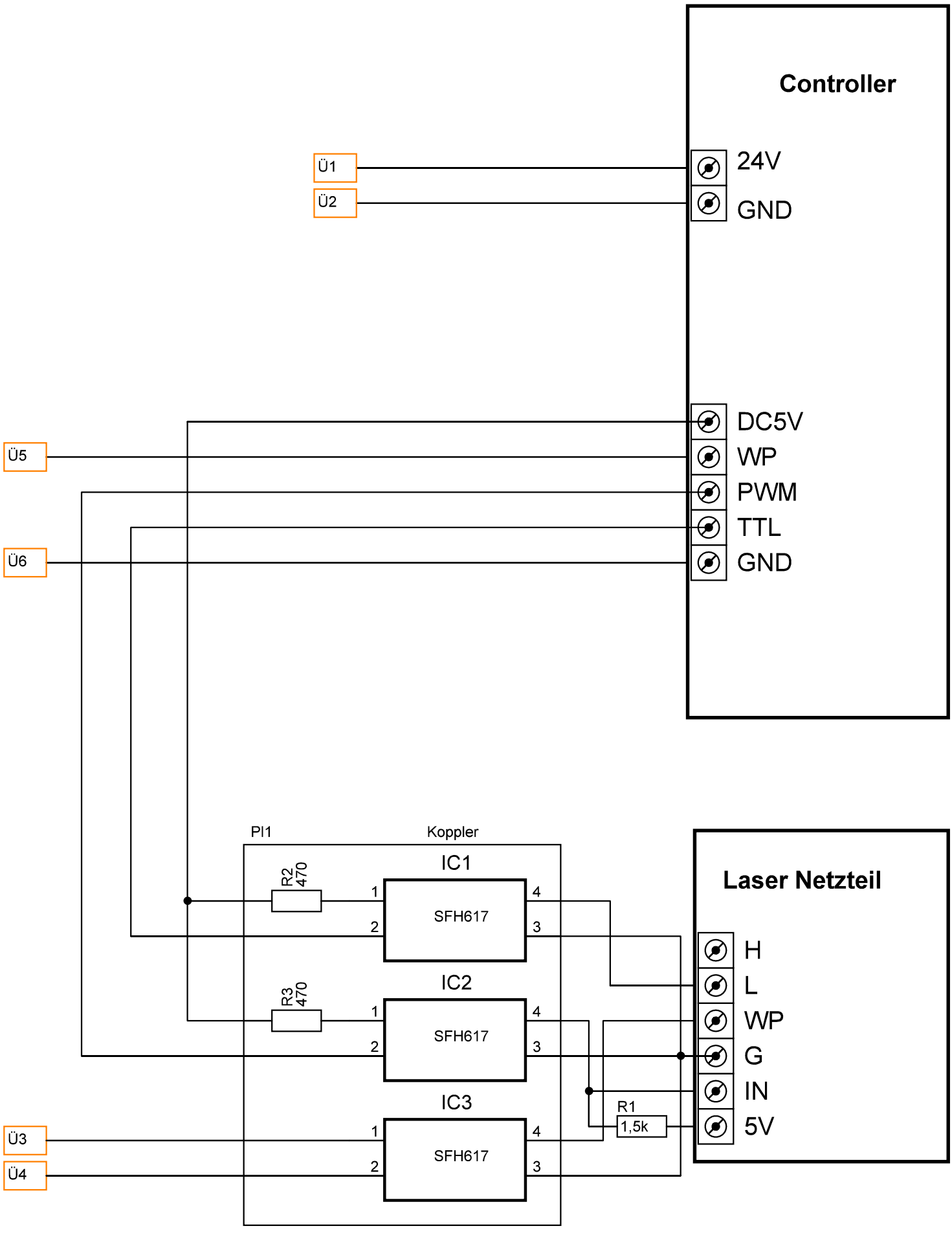


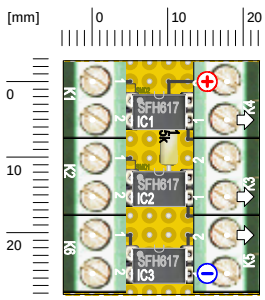


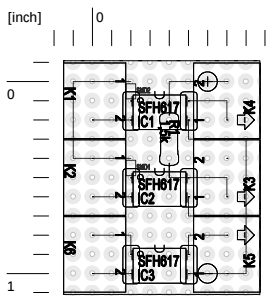


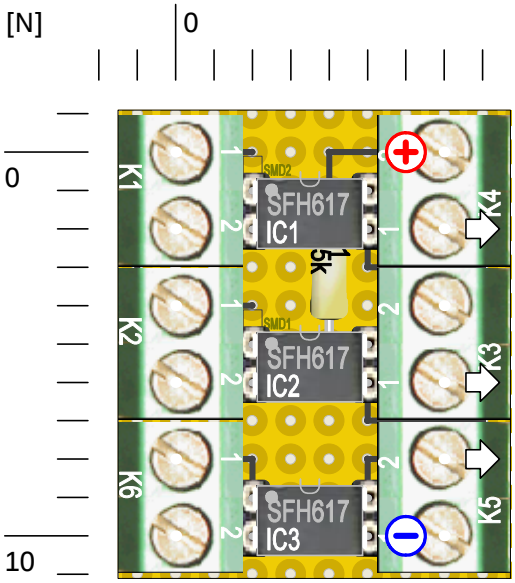


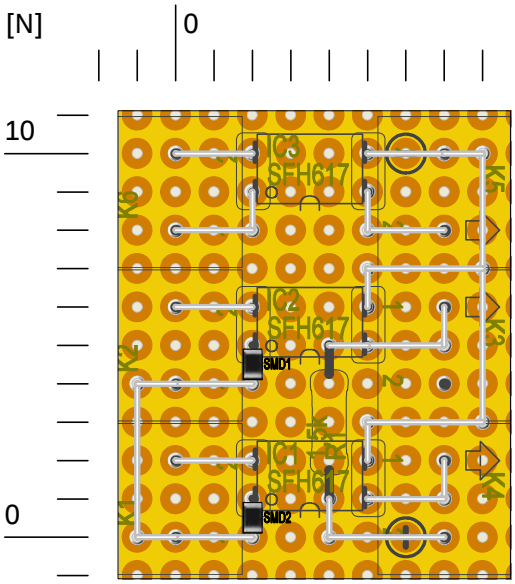
Projekt: lasercutterplatinenV6 [BreakOut FanSpeed]	26.10.2020
Abmessungen: 60,00 x 40,00 mm	12:52:07
	Blatt 1 / 1


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



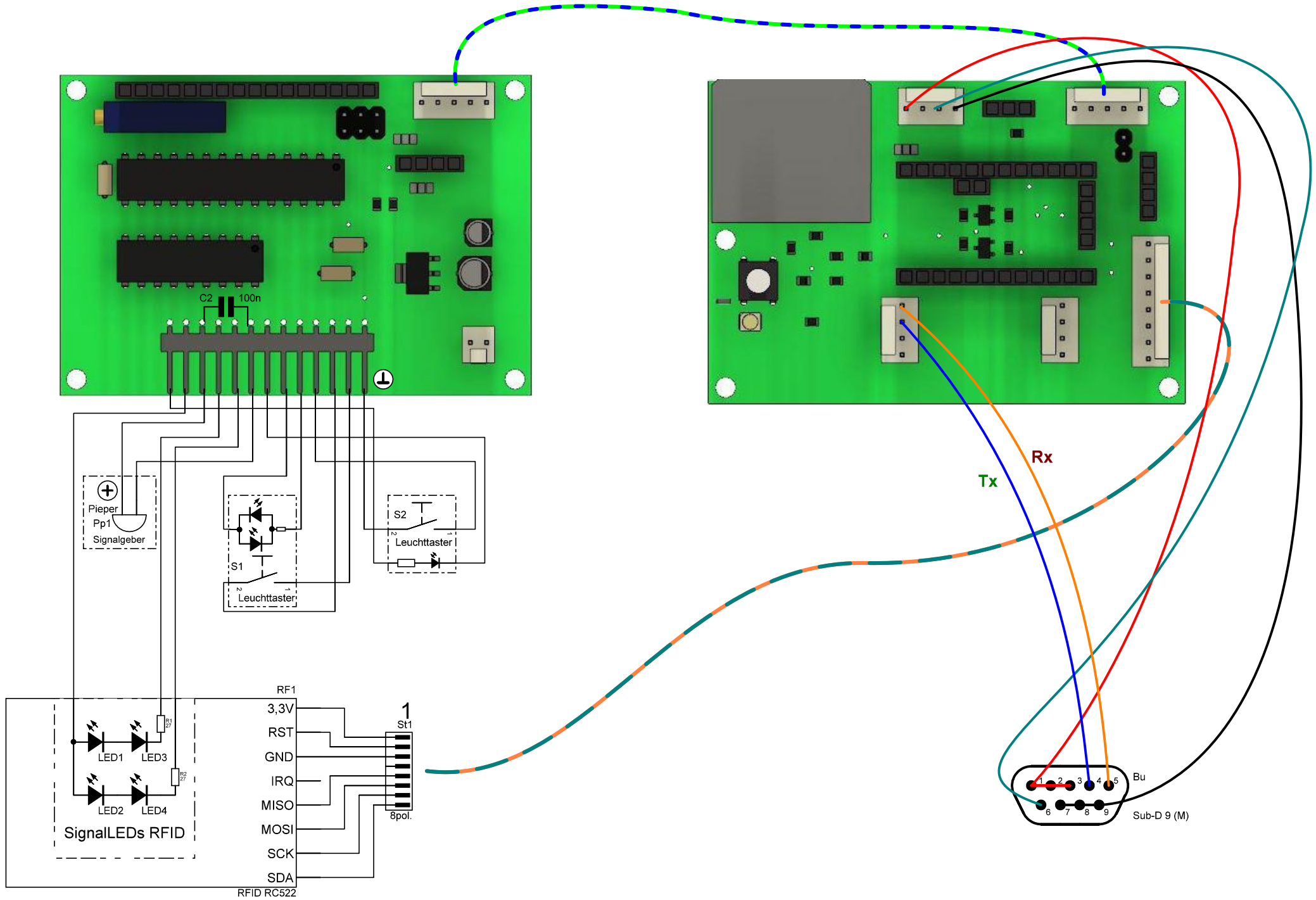


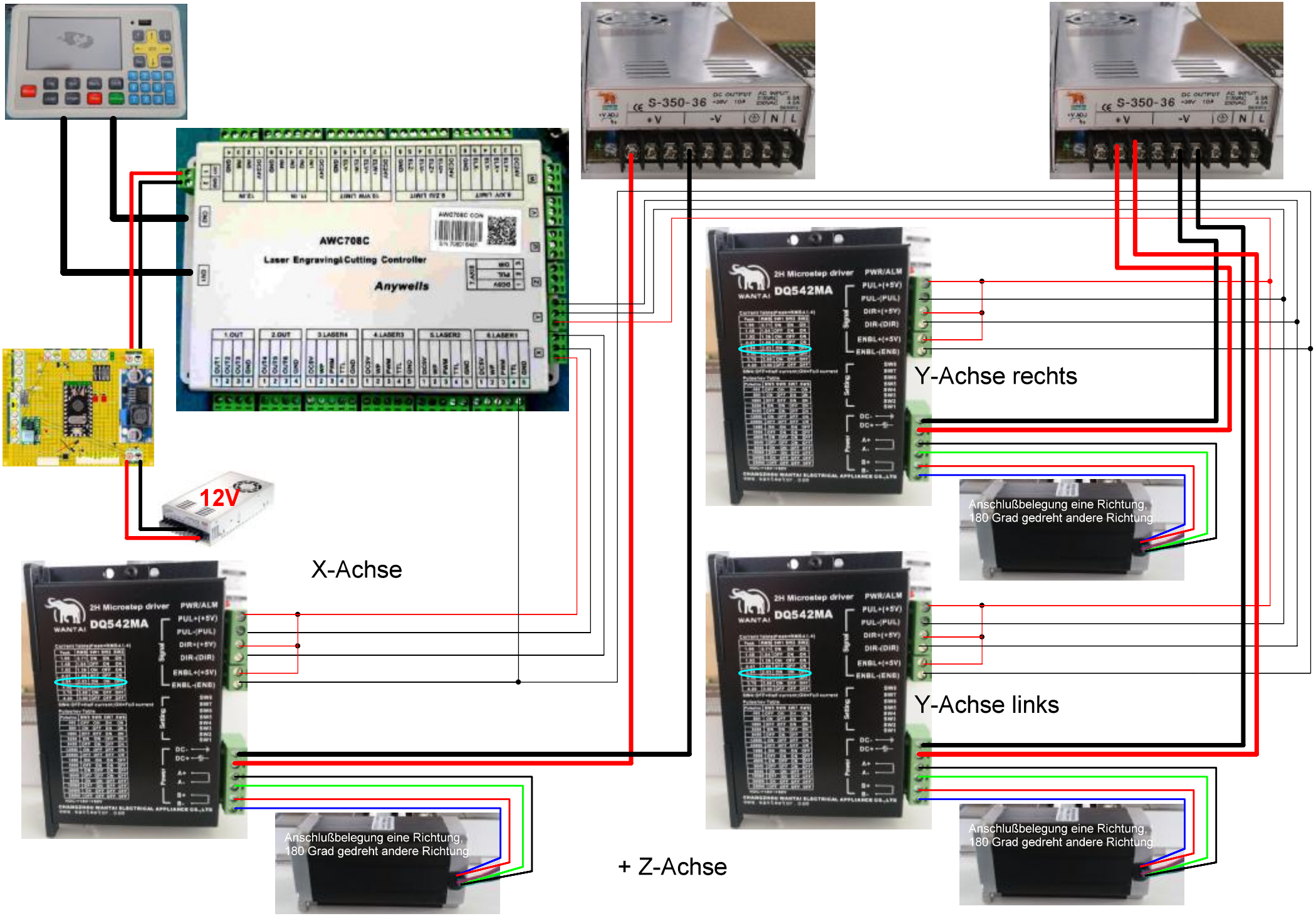




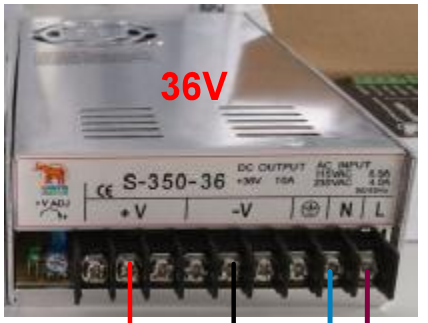
Projekt: lasercutterplatinenV6 [Koppler3R]
Abmessungen: 26,00 x 31,00 mm

26.10.2020
12:52:28
Blatt 1 / 1


C2
100n
Pieper
Pp1
Signalgeber
S1
Leuchttaster
S2
Leuchttaster
RF1
3,3V
RST
GND
IRQ
MISO
MOSI
SCK
SDA
RFID RC522
1
St1
8pol.
LED1
LED3
LED2
LED4
SignalLEDs RFID
Rx
Tx
Bu
Sub-D 9 (M)


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

12V 250V/17A



Rel1

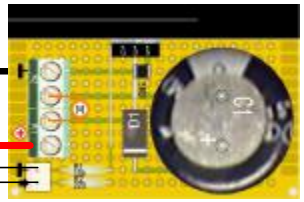
...

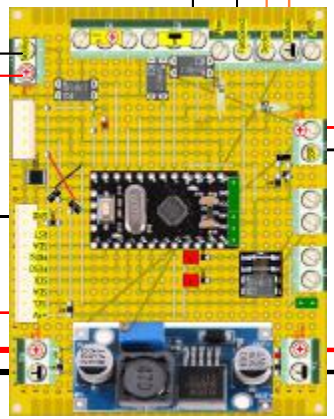
S8

S10

S9

S5





LasercutterControllerMini

Einschalten durch S2

S6

S7