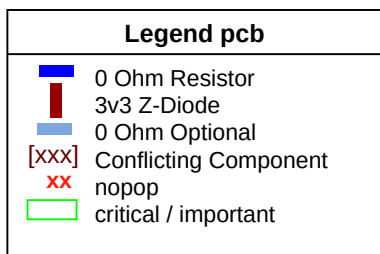


13.04.2024



Components on Pump

13.04.2024

servo

Oelflex 12x0.5mm²

gn : GND (brown)

1: 12V (red)

2: PWM signal (orange)



DS51150-12V

<https://de.aliexpress.com/item/1005006064899449.html>



Flow meter

Oelflex 3x0.5mm²

gn : GND (black)

1: 5V (red)

2: Pulse out (yellow)



1l = 12 pulses
5-24V

Cable Conection: Red: Positive+ (IN) ; Black:
Negative- (GND) ;Yellow: NPN Pulse signal (OUT)

<https://de.aliexpress.com/item/4000379407344.html>

pressure sensor

Oelflex 12x0.5mm²

gn : GND (black)

1: 5V (red)

2: Analog-out (green)



0.5 - 4.5V

0 - 500 psi

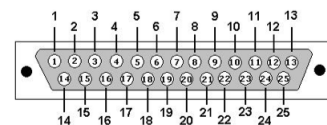
0 - 34.5 bar

<https://de.aliexpress.com/item/1005003614240635.htm>

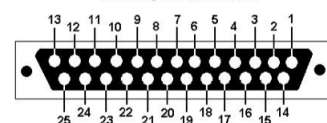
Pump->Box

D-Sub 25 pin Connector, pin assignment

Signal	Device	Color	Pins
GND	Servo	black, brown, red, orange	1, 2, 3, 4
GND	Pressure sensor	yellow	5
GND	Flow sensor	green	6
12 V	Servo	blue, purple, gray, pink	7, 8, 9, 10
5 V	Pressure sensor	light brown	11
5 V	Flow sensor	white	12
PWM 3.3 V	Servo	white-black	13
Analog 0-5 V	Pressure sensor	white-brown	14
Pulse	Flow sensor	white-red	15
FREE			16-25



View looking into male connector



View looking into female connector

TODO: add
connectors
servo, flow
sensor