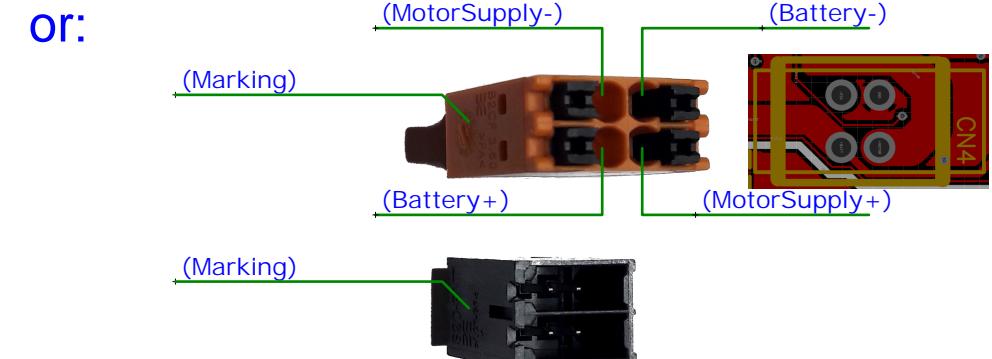


Cable M12-A female 4/5pole, e.g. weidmueller.com

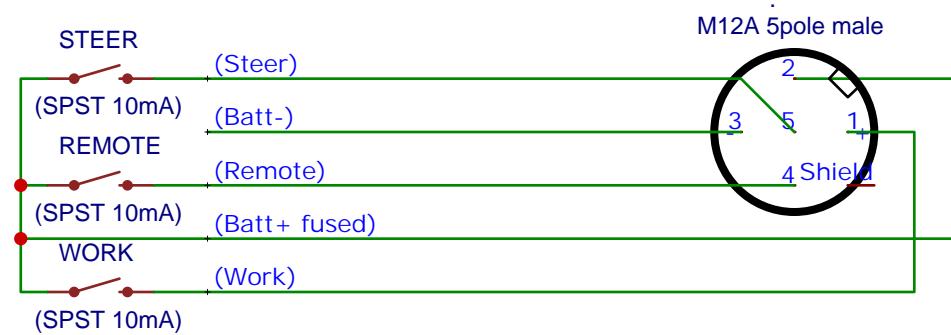
SAIL-M12BG-5-1.5U (9457910150)

5 pole 1.5m unshielded = 0150cm



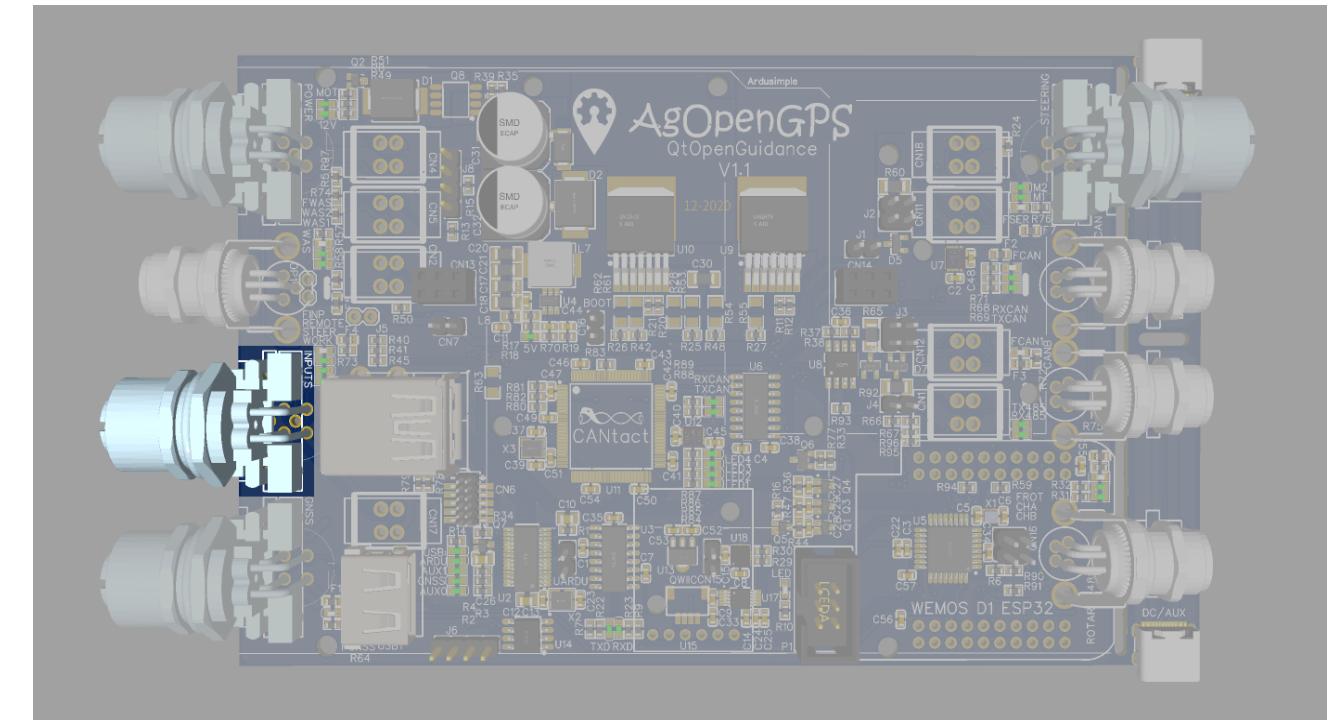
TITLE:		REV:
Connecting Power Socket		1.0
Company:		Sheet:
agopengps.discourse.group		1/1
Date:		Drawn By:
2021-01-09		GoRoNb

## Connection for Control Signals



### Annotations:

- Steer signal will be automatically asserted when motor driver is powered if J7 is unfitted
- Remote and Work signals may be analog 0..15V if using the ESP32 option



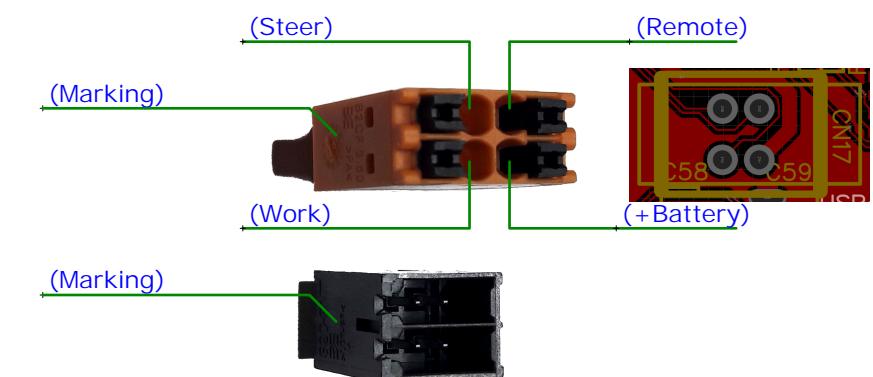
Cable M12-A male 4/5pole, e. g. weidmueller.com

SAIL-M12G-5-1.5U (9457610150)

5 pole 1.5m unshielded = 0150cm



or:



TITLE: Connecting Power Socket		REV: 1.0
	Company: agopengps.discourse.group	Sheet: 1/1
Date: 2021-01-09	Drawn By: GoRoNb	

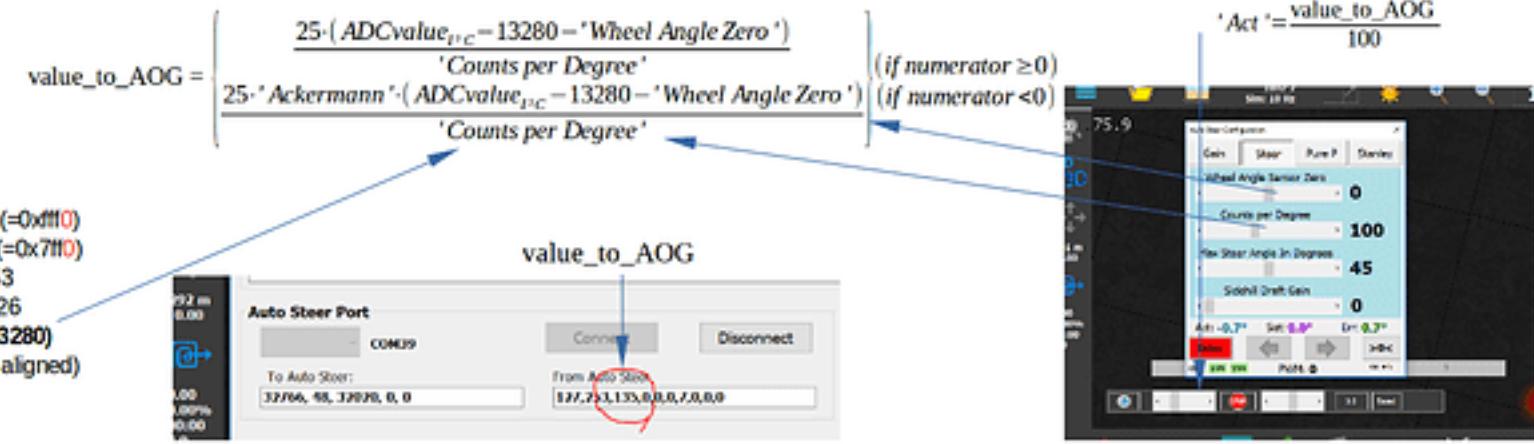
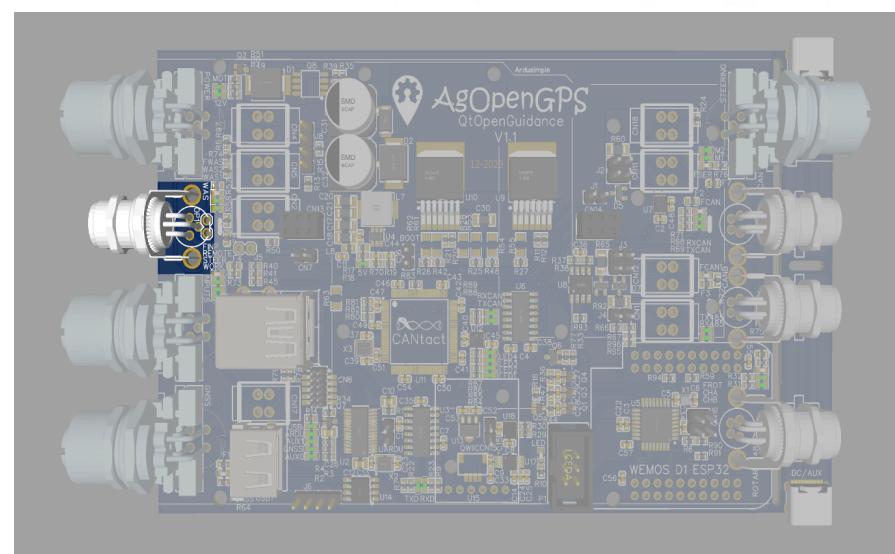
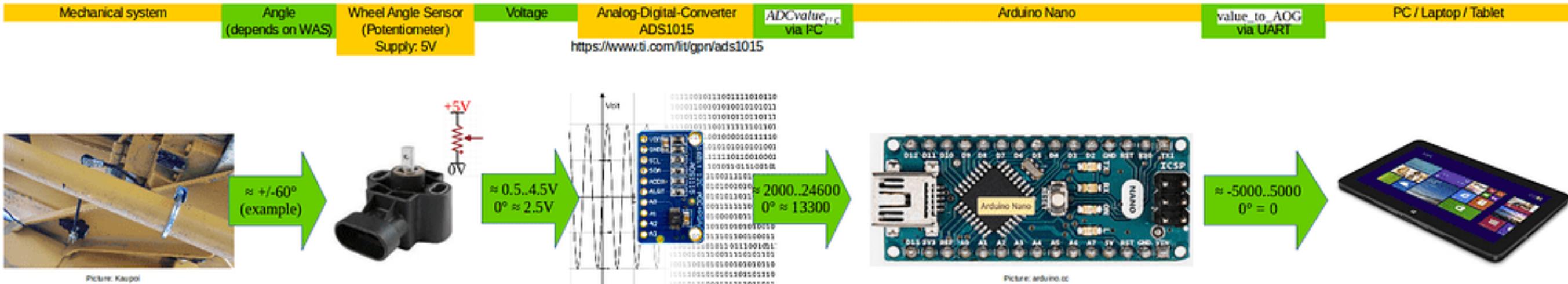
1

2

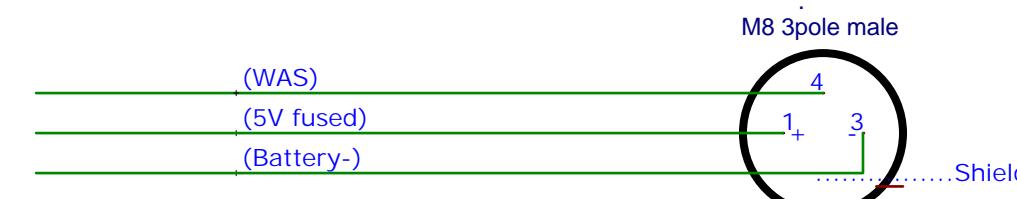
3

4

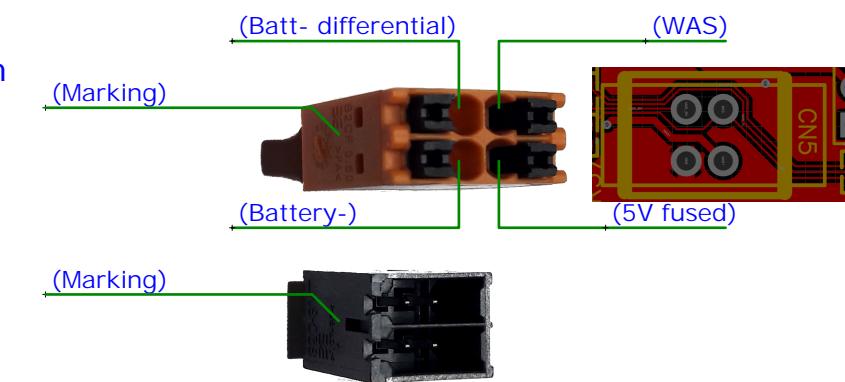
5



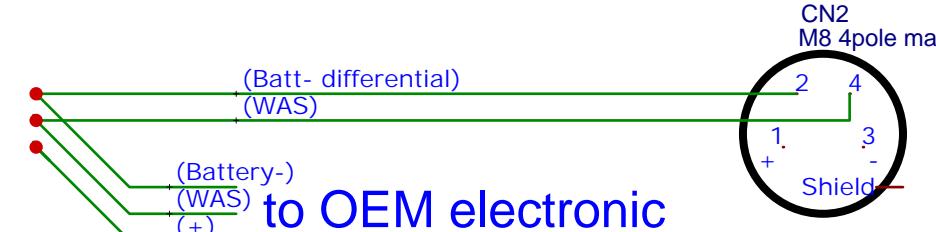
## Connection to (new) WAS



Or:



## Connection to OEM WAS



TITLE:

Connecting the Wheel Angle Sensor (WAS)

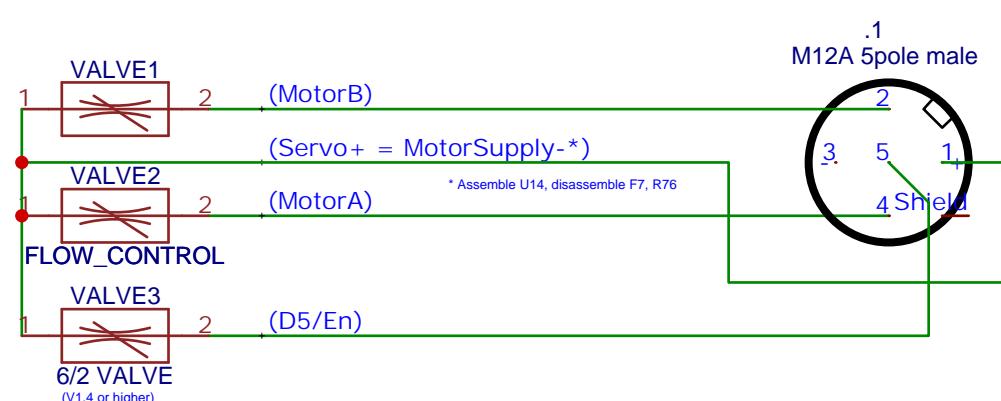
REV: 1.0



### Connection to Steering Motor

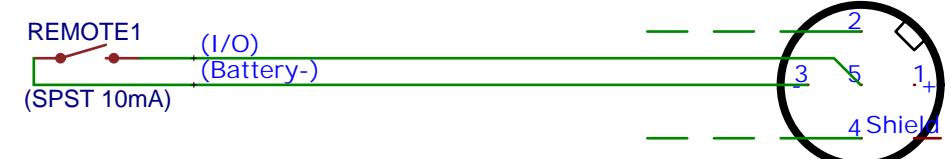


### Connection to Hydraulic Valves

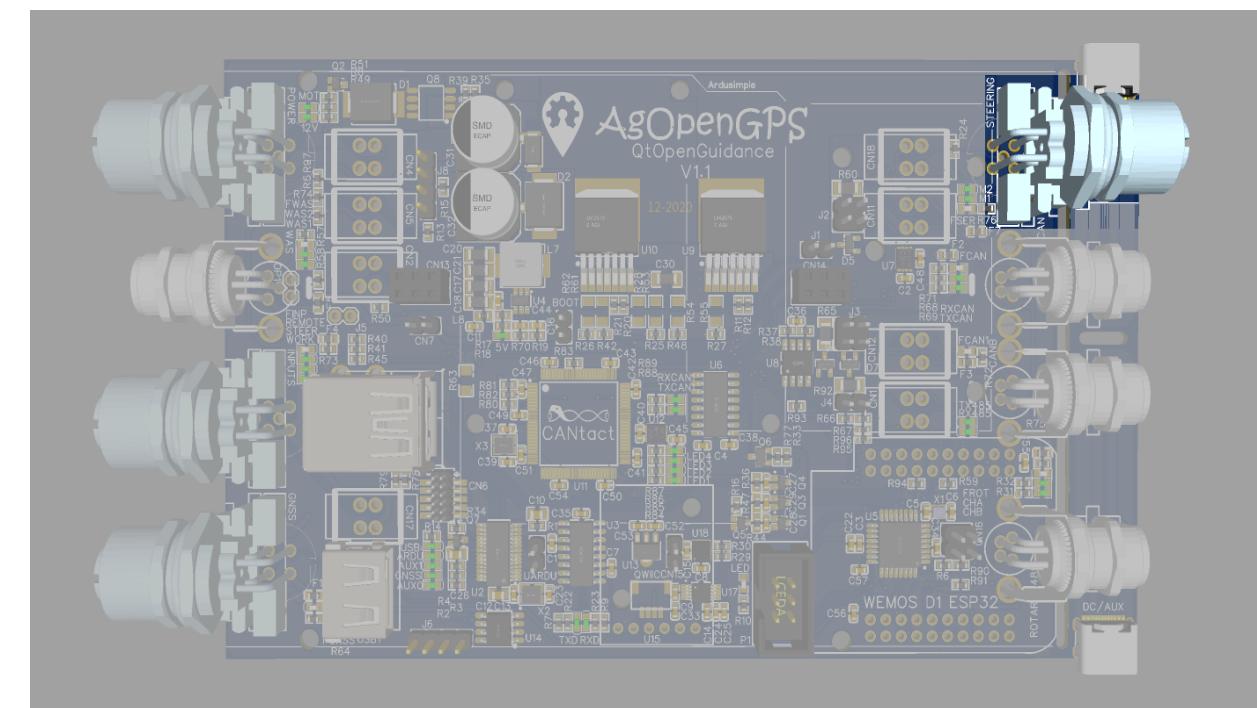
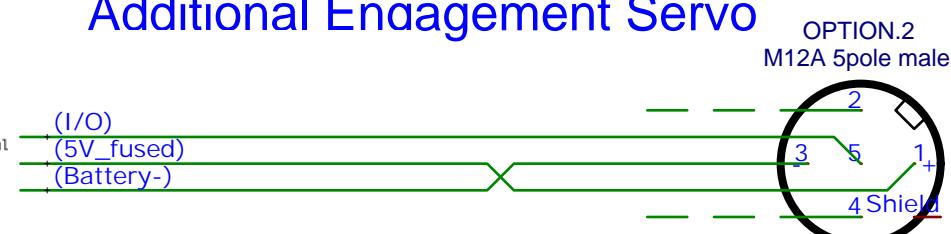


### Additional Steer Input Switch

(starts autosteering when motor is engaged)



### Additional Engagement Servo

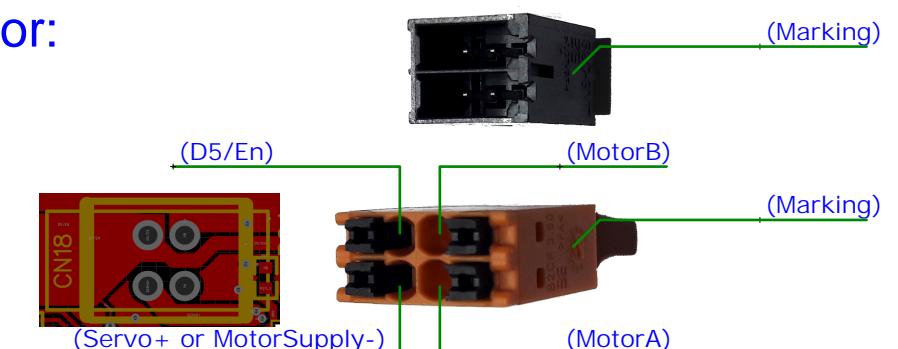


Cable M12-A male 4/5pole, e. g. weidmueller.com

SAIL-M12G-5-1.5U (9457610150)

5 pole 1.5m unshielded = 0150cm

or:



TITLE:

Connecting Motor or Valves

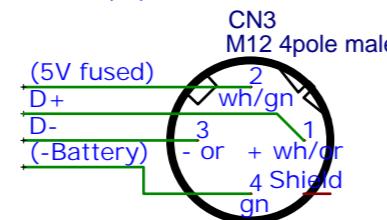
REV: 1.0



## USB\* or I<sup>2</sup>C\*\*

(\* e. g. to Rooftop Unit)

(\*\*) remove R43 + R46 and connect I<sup>2</sup>C to CN3



I-Ethernet pinning:

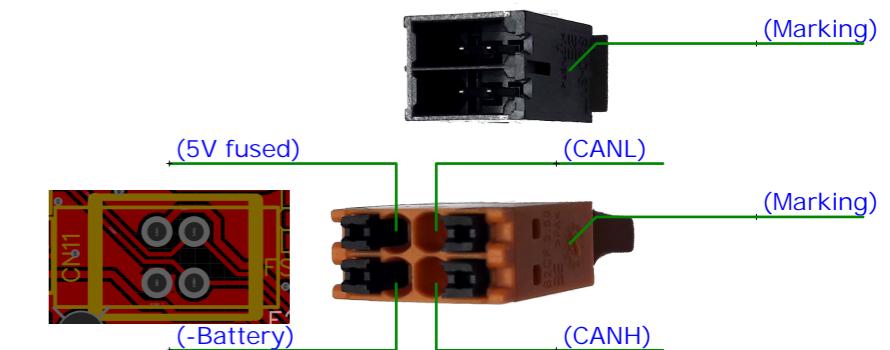
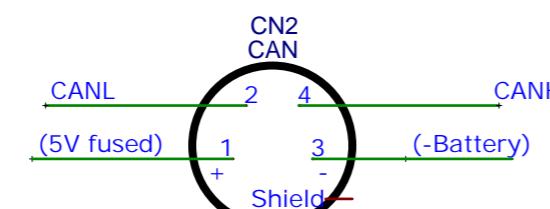


Cable M12D male-male 4pole, e. g. weidmueller.com

IE-C5DD4UG0030MCSMCS-E (1025950030)

4 pole 3m = 0030dm

## Controller Area Network (CAN)



Cable M8 male 4pole, e. g. weidmueller.com

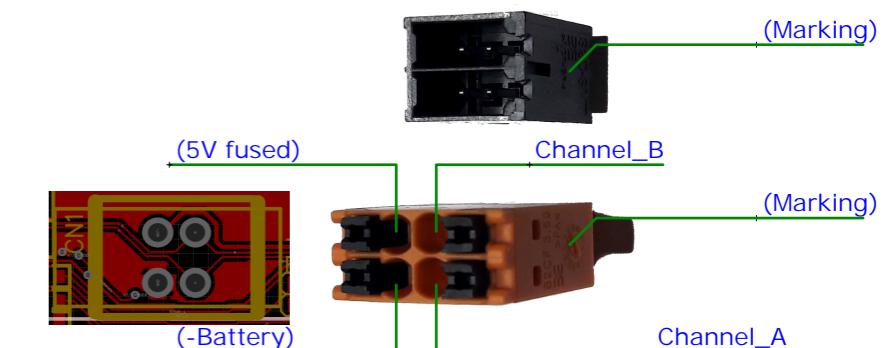
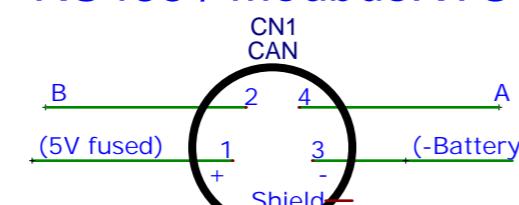
SAIL-M8G-4-3.0U (1906270300)

4 pole 3m unshielded = 0300cm

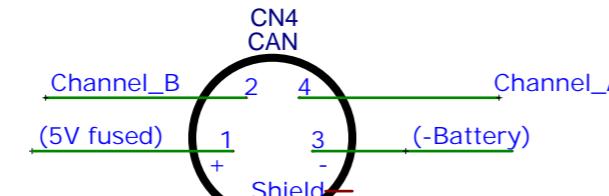
OR:



## RS485 / ModbusRTU



## Alternative: Rotary Encoder



TITLE:

Bus Connections

REV: 1.0

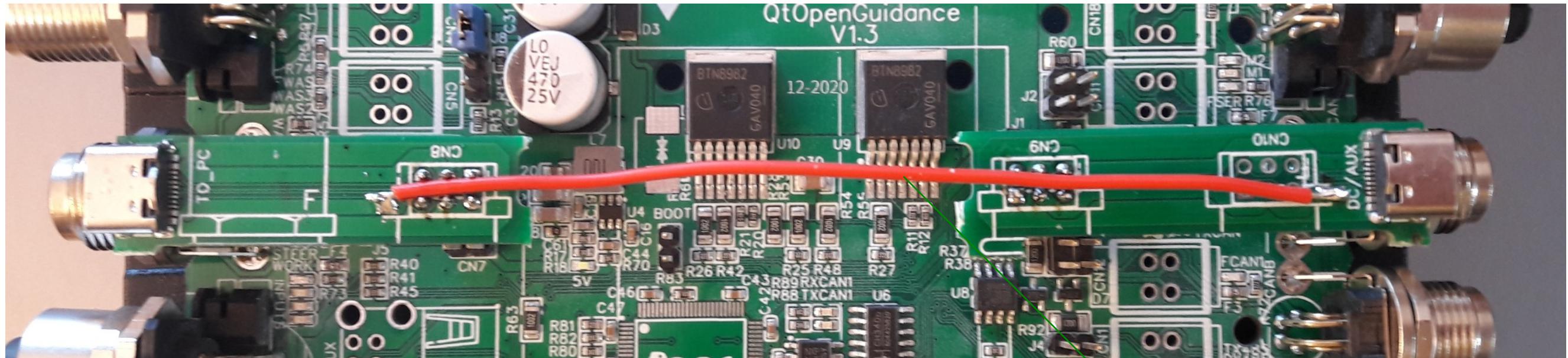
EasyEDA

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Sheet: 1/1

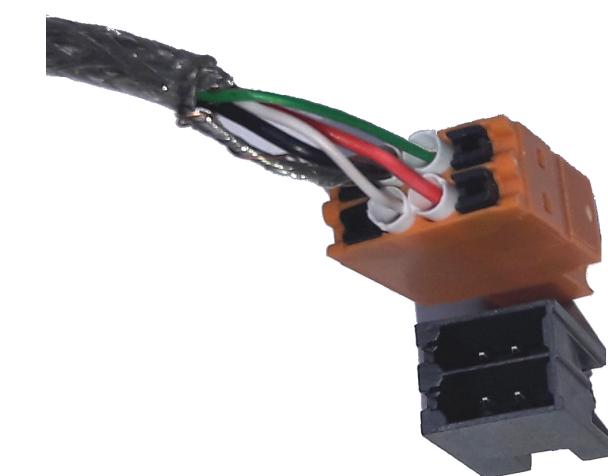
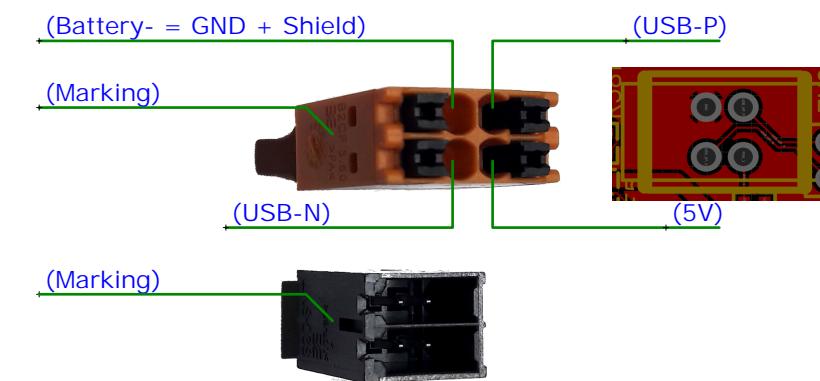
Date: 2021-01-09 Drawn By: GoRoNb

USB-C



(cross connection for VBUS)

or: USB cut cable to host



TITLE:

Connecting the USB

REV: 1.0