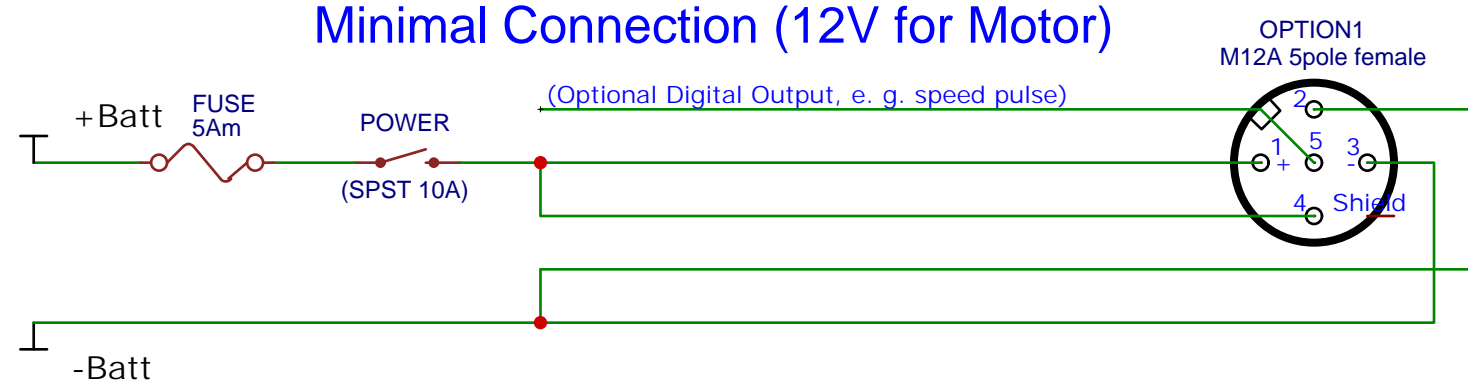
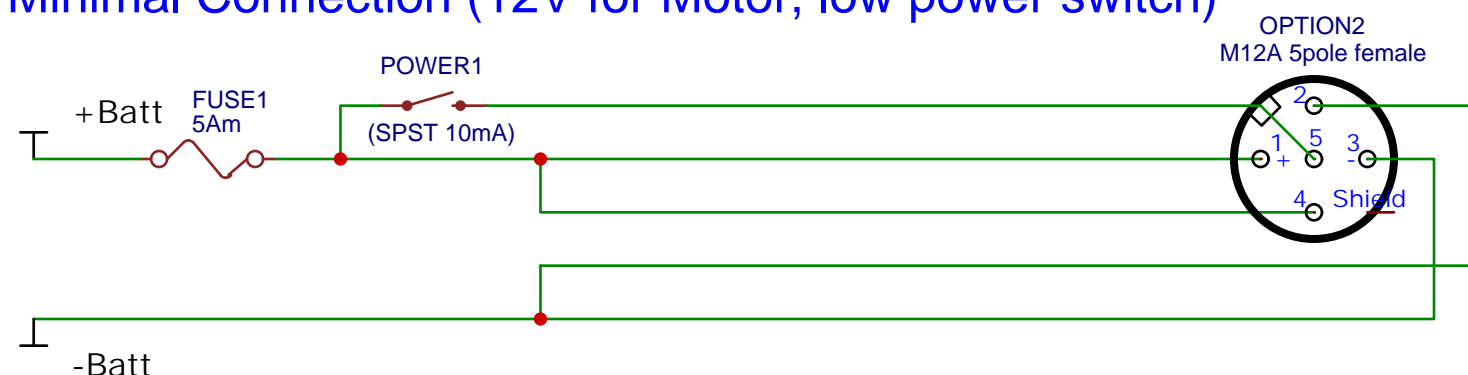


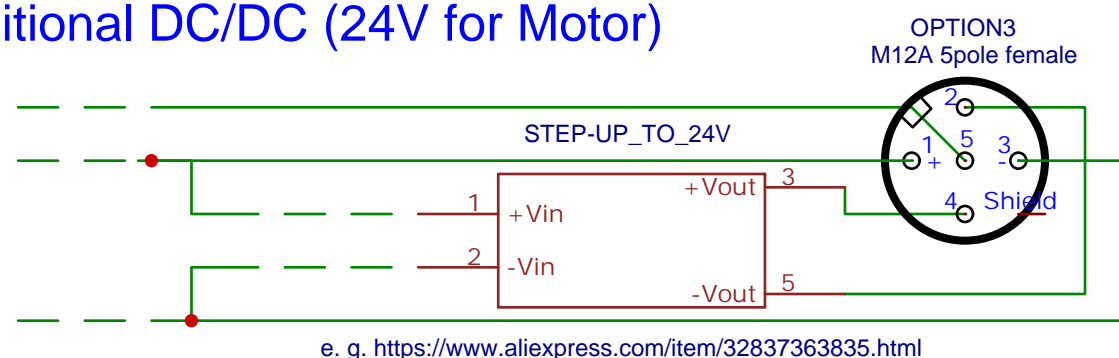
Minimal Connection (12V for Motor)



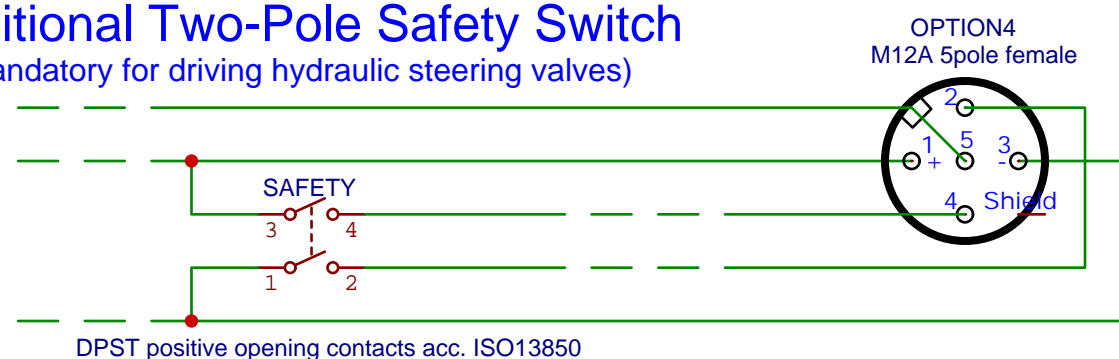
Minimal Connection (12V for Motor, low power switch)



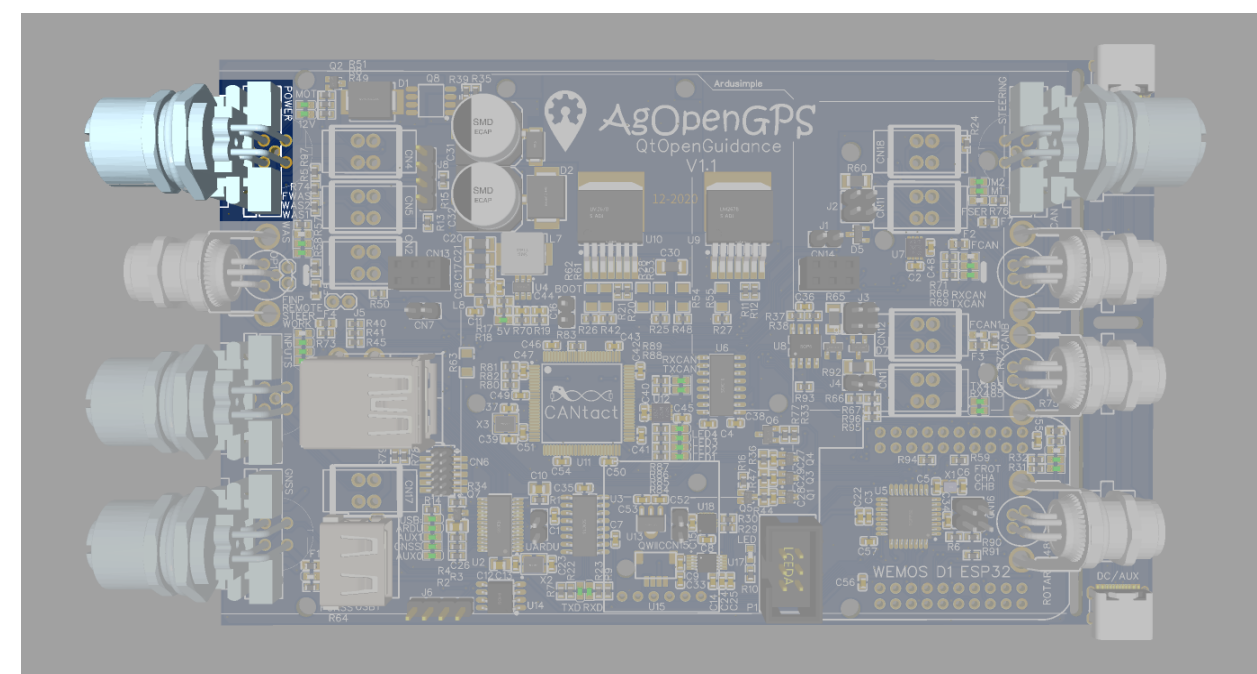
Additional DC/DC (24V for Motor)



Additional Two-Pole Safety Switch (Mandatory for driving hydraulic steering valves)



(Safety Advice: Protect cable against crushing)



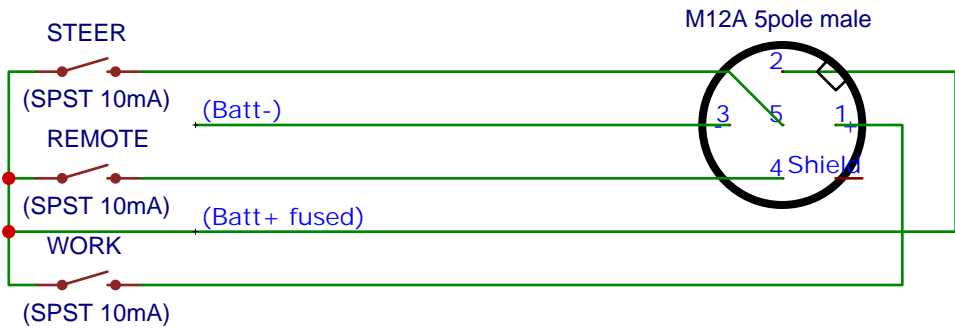
Cable M12-A female 4/5pole, e. g. weidmueller.com

SAIL-M12BG-5-1.5U (9457910150)

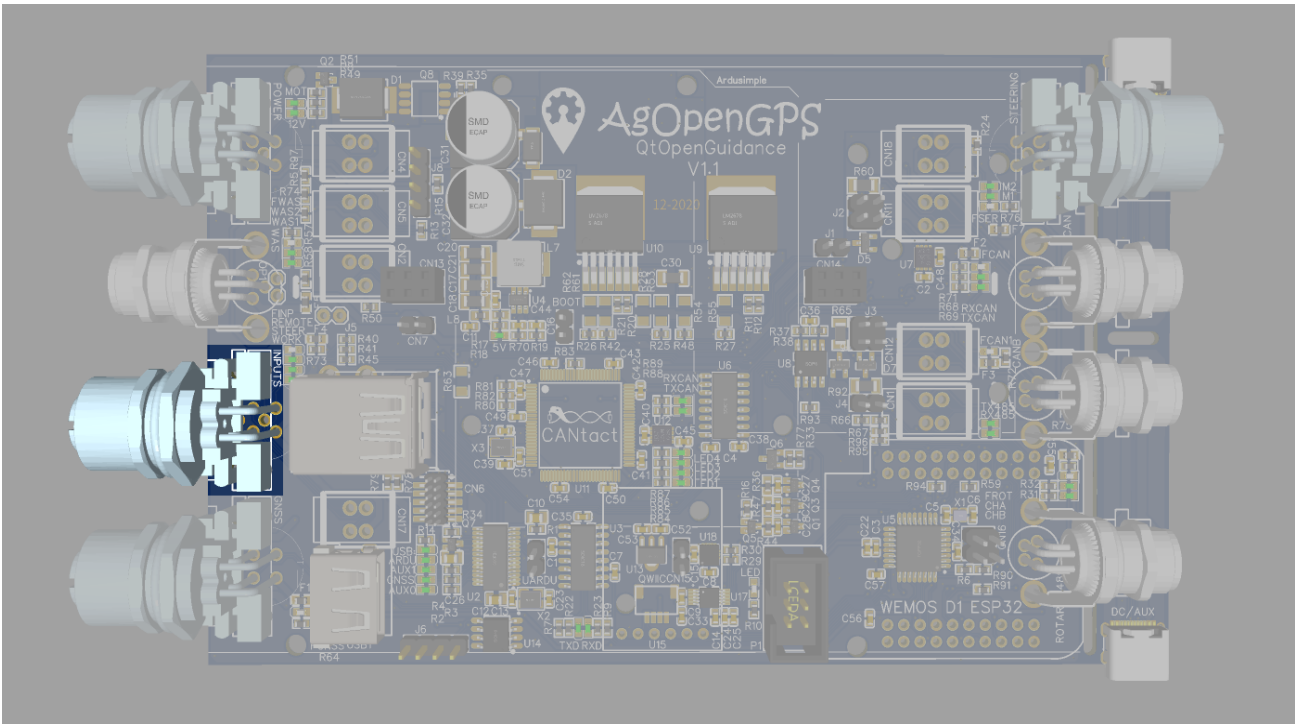
5 pole 1.5m unshielded = 0150cm

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

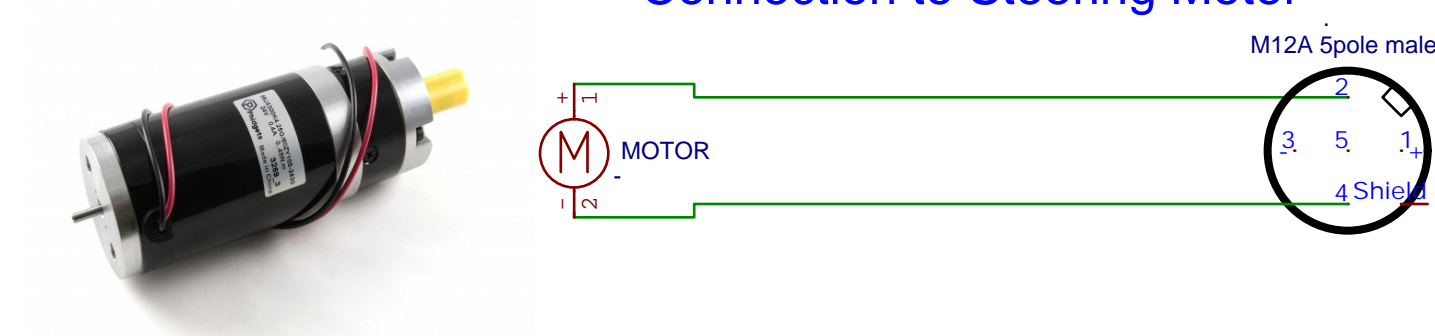
SAIL-M12G-5-1.5U (9457610150)

5 pole 1.5m unshielded = 0150cm

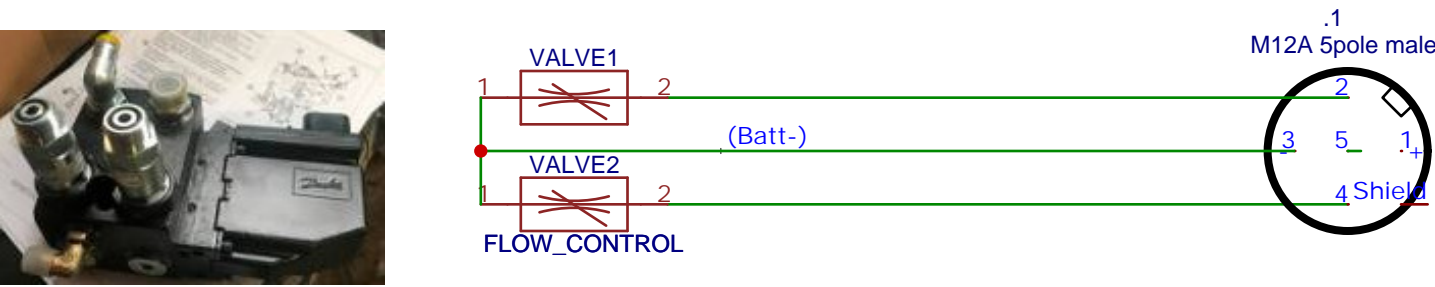
TITLE: Connecting Power Socket		REV: 1.0
EasyEDA	Company: agopengps.discourse.group	Sheet: 1/1
	Date: 2021-01-09	Drawn By: GoRoNb

A

Connection to Steering Motor

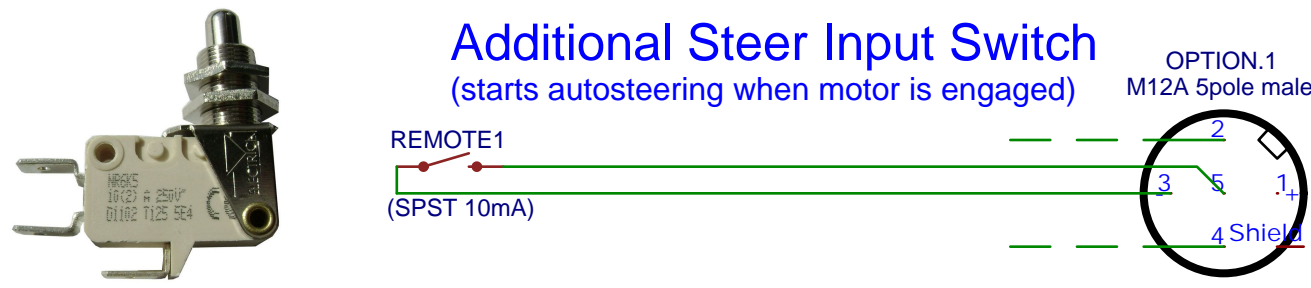


Connection to Hydraulic Valves



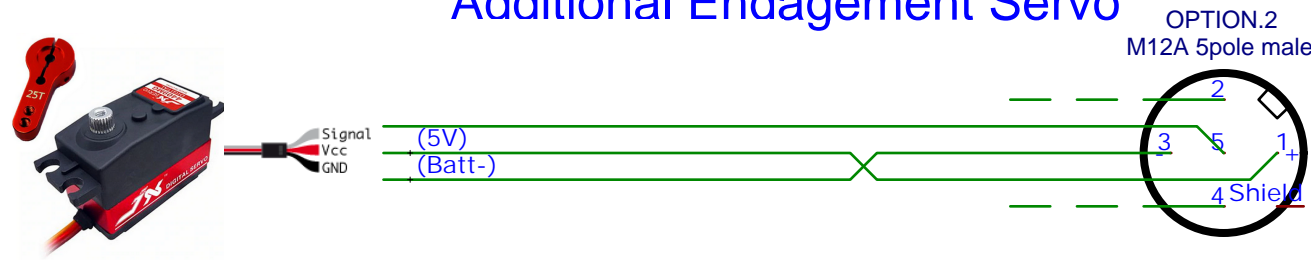
B

Additional Steer Input Switch
(starts autosteering when motor is engaged)

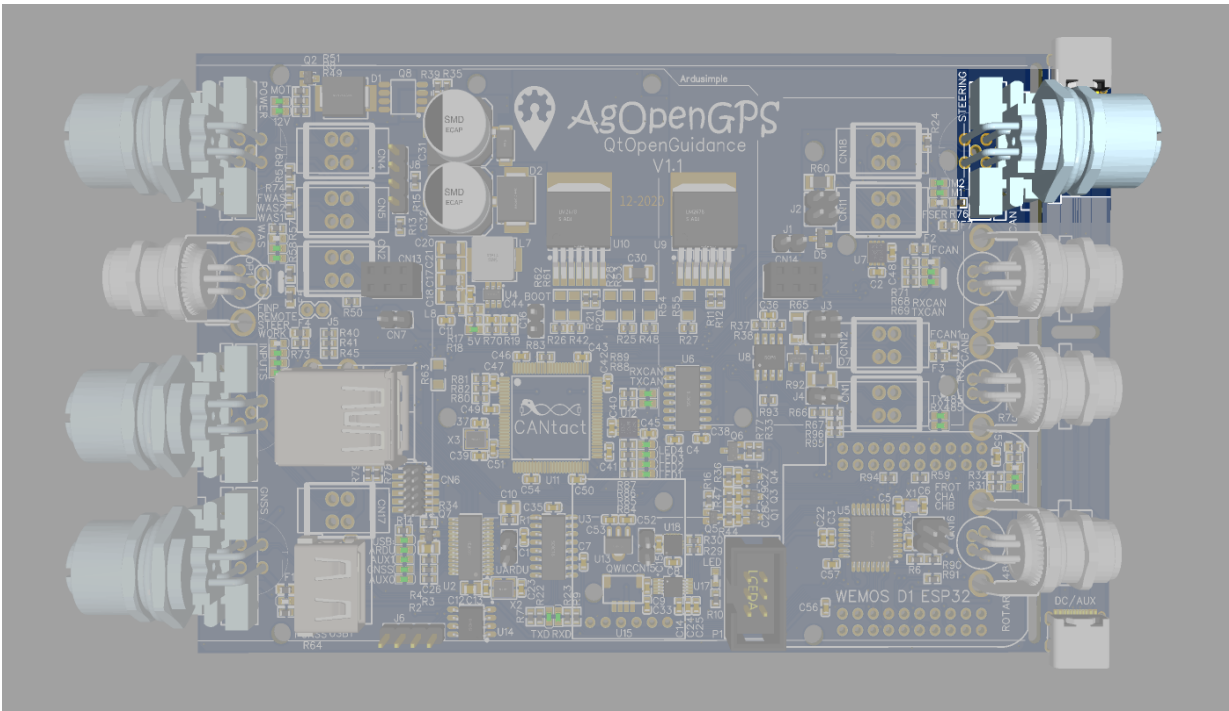


C

Additional Engagement Servo



D



A

B

C

D

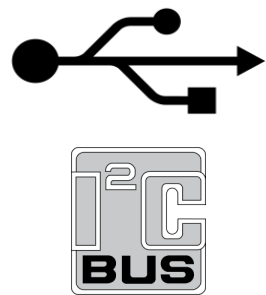


Cable M12-A male 4/5pole, e. g. weidmueller.com

SAIL-M12G-5-1.5U (9457610150)

5 pole 1.5m unshielded = 0150cm

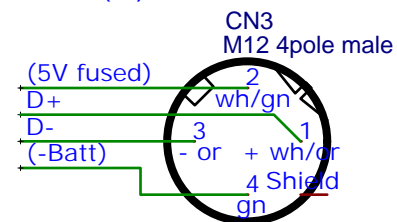
TITLE: Connecting Motor or Valves		REV: 1.0
EasyEDA	Company: agopengps.discourse.group	Sheet: 1/1
	Date: 2021-01-09	Drawn By: GoRoNb



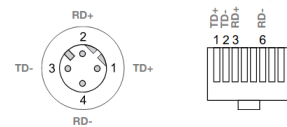
USB* or I²C**

(*) e. g. to Rooftop Unit

(**) remove R43 + R46 and connect I²C to CN3



I-Ethernet pinning:

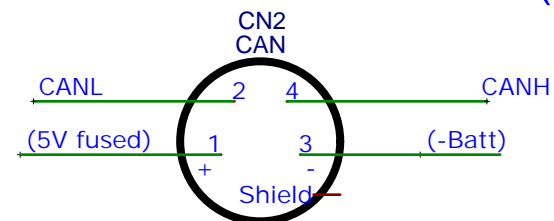


Cable M12D male-male 4pole, e. g. weidmueller.com

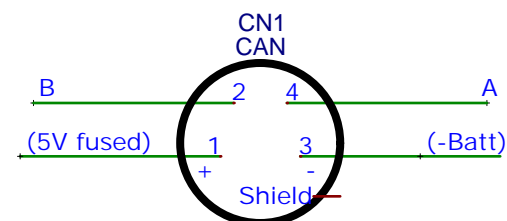
IE-C5DD4UG0030MCSMCS-E (1025950030)

4 pole 3m = 0030dm

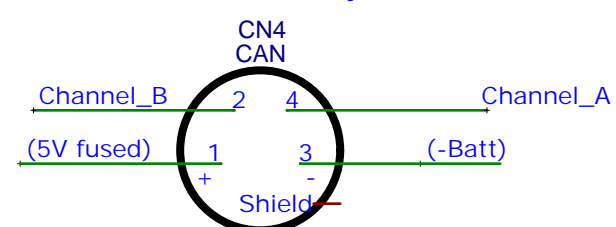
Controller Area Network (CAN)



RS485 / ModbusRTU



Alternative: Rotary Encoder



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

SAIL-M8G-4-3.0U (1906270300)

4 pole 3m unshielded = 0300cm



TITLE: Bus Connections		REV: 1.0
EasyEDA	Company: agopengps.discourse.group	Sheet: 1/1
	Date: 2021-01-09	Drawn By: GoRoNb