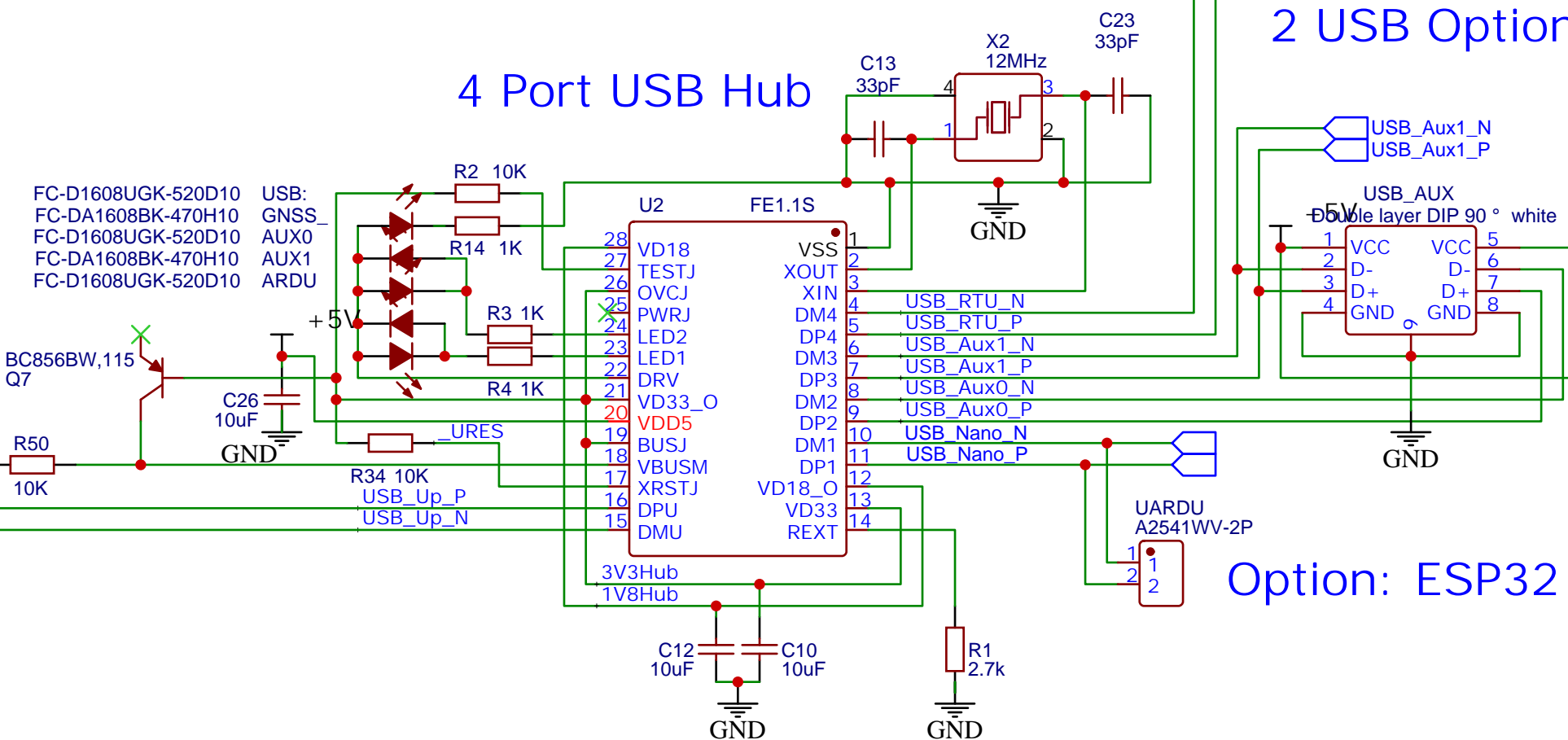


## 4 Port USB Hub



male:

GNSS+

USB1

VCC SHLD 0

D- 3

D+ 4

GND SHLD 0

A/F90\_C109354

GNSS

M12 4pole female

A2541WV-2X3P

2 jumpers to the left: USB on M12

2 jumpers to the right: 1 2 C on M12

A4/SDA

J9

A5/SCL

GNSS

M12 4pole female

A2541WV-2X3P

2 jumpers to the left: USB on M12

2 jumpers to the right: 1 2 C on M12

0 B Options for Modbus RTU, CAN, etc

FC-DA1608HRK-620D

BSMD0603-050-6V

SB\_Aux1\_N

SB\_Aux1\_P

B\_AUX

layer DIP 90° white

VCC 5

D- 6

D+ 7

GND 8

GNSS

CAN M8 4pole female

CANH

CANL

CAN+

Shield

2.7k R71

F2

CN11

1 1

2 2

3 3

4 4

J2

1 1

2 2

3 3

4 4

A2541WV-2X2P

R60

120

+5V

CANB M8 4pole female

CANLI

CANHI

CANB+

Shield

2.7k R72

F3

CN12

1 1

2 2

3 3

4 4

J3

1 1

2 2

3 3

4 4

A2541WV-2X2P

R65

120

+5V

ESP32

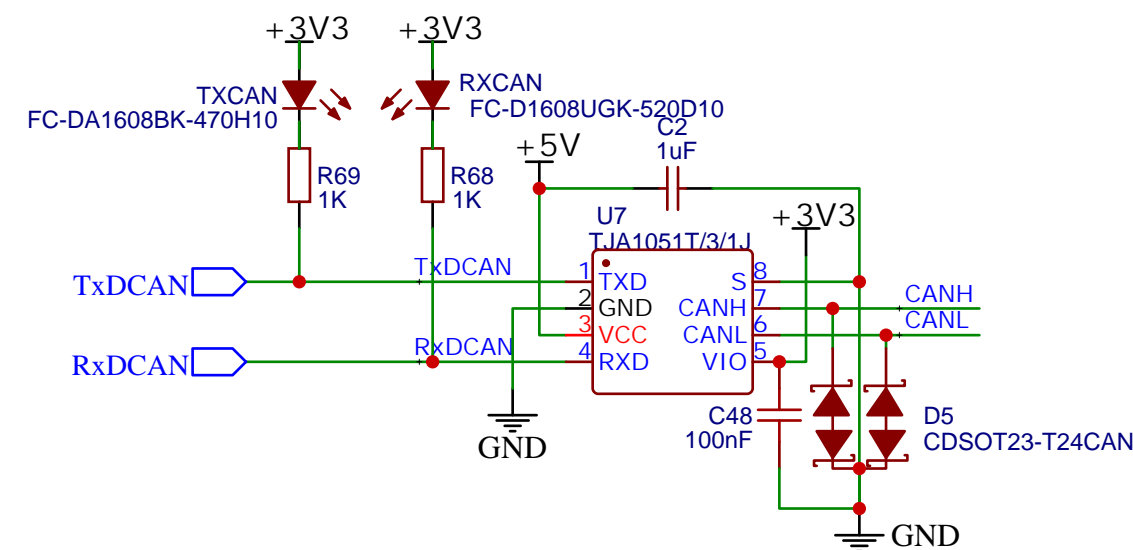
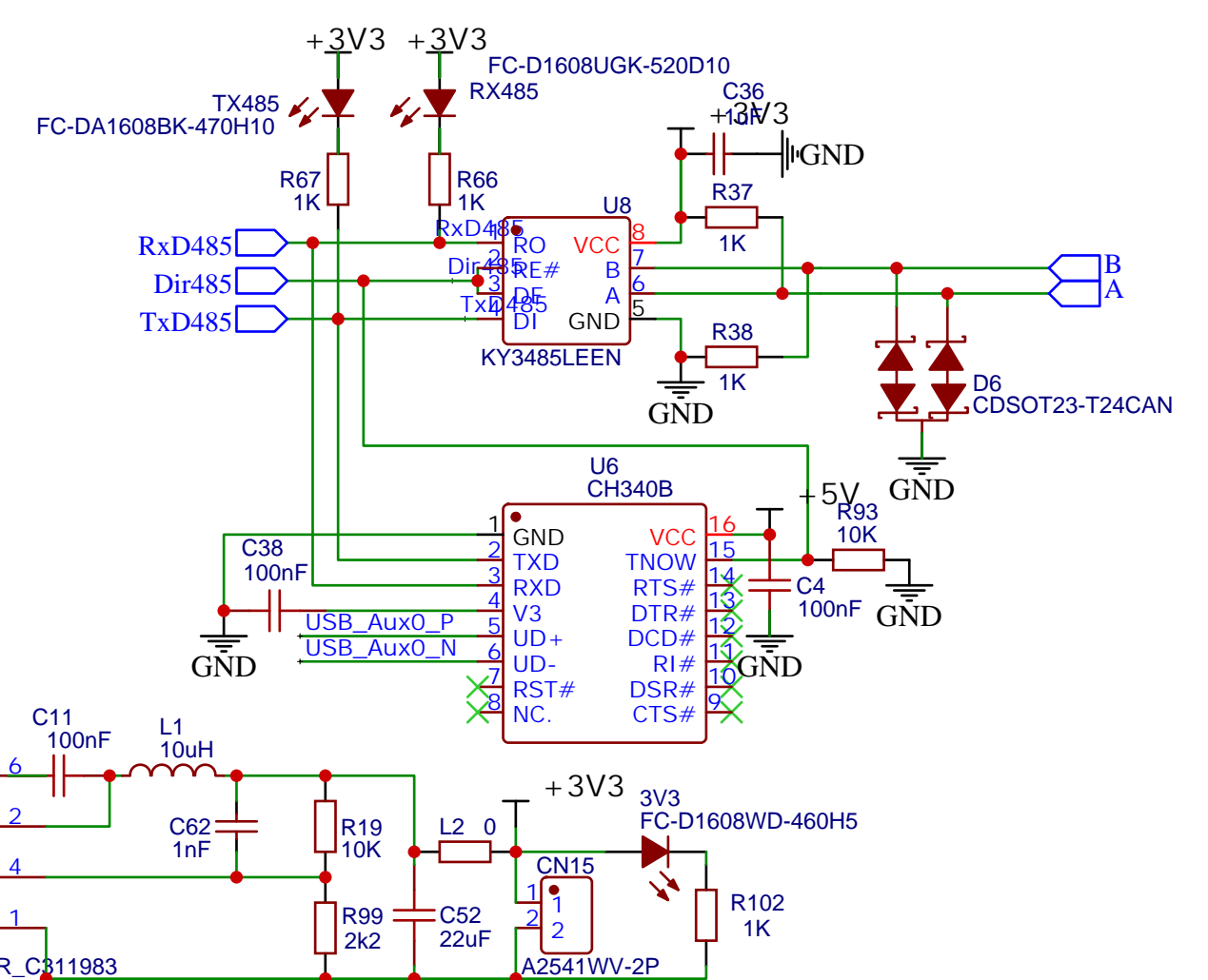
4x1 push\_in connector

BSMD0603-050-6V

FC-DA1608HRK-620D

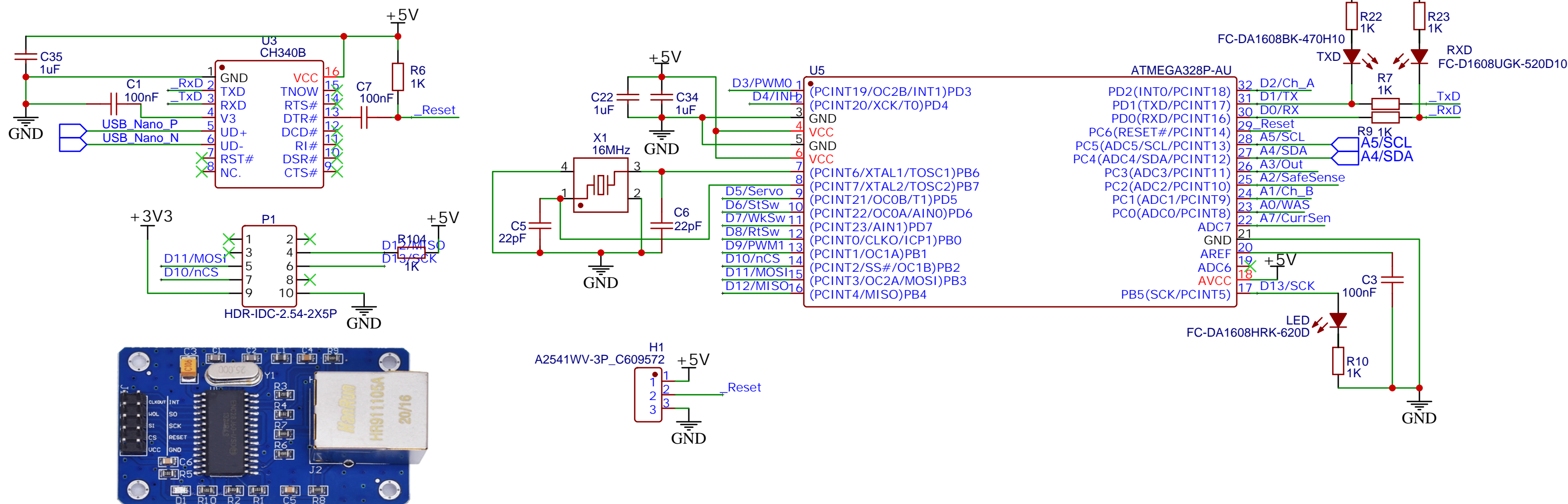
TD+

Option: ESP32

$$\frac{1}{2} \sqrt{2} \quad \frac{1}{2} \sqrt{2}$$
[illegible][illegible]

	7	8	
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# Nano

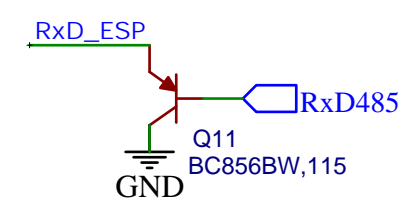
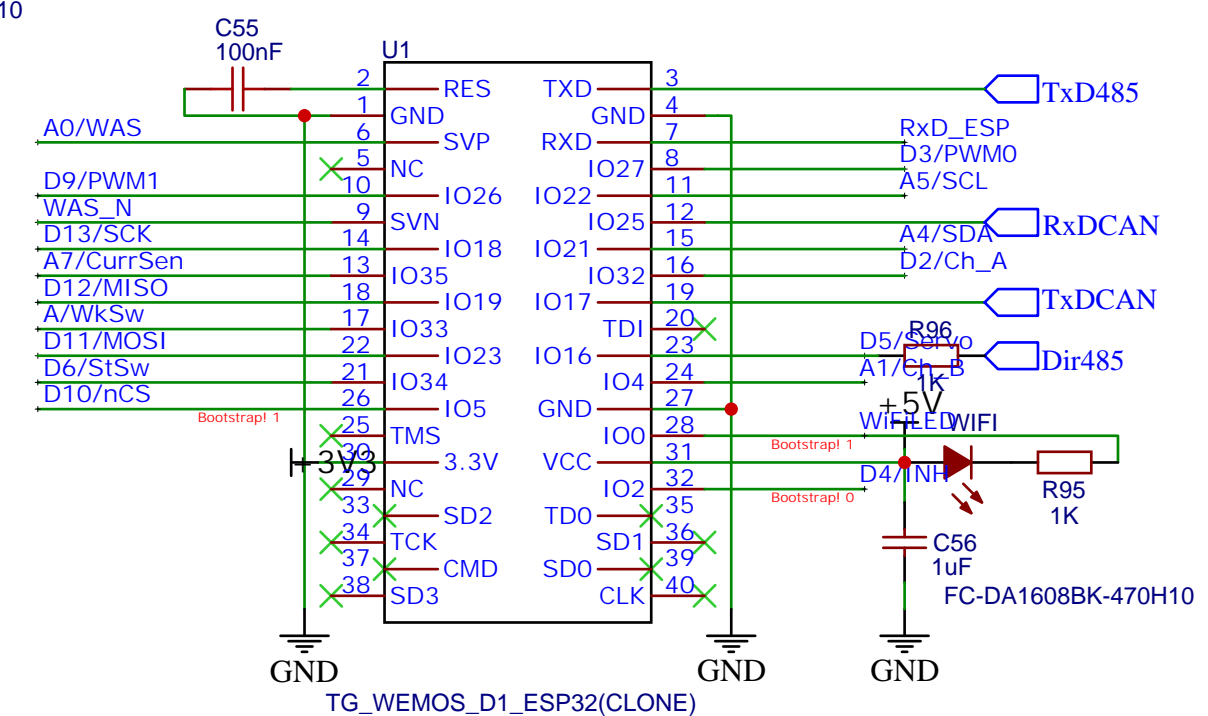


Cut CLKOUT before connecting!

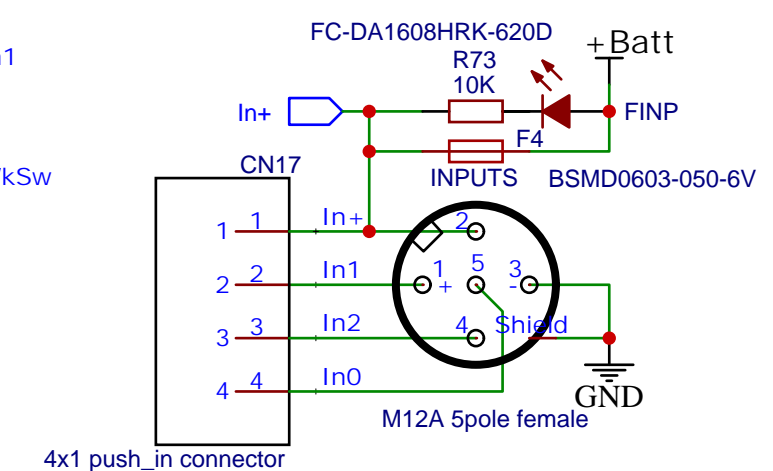
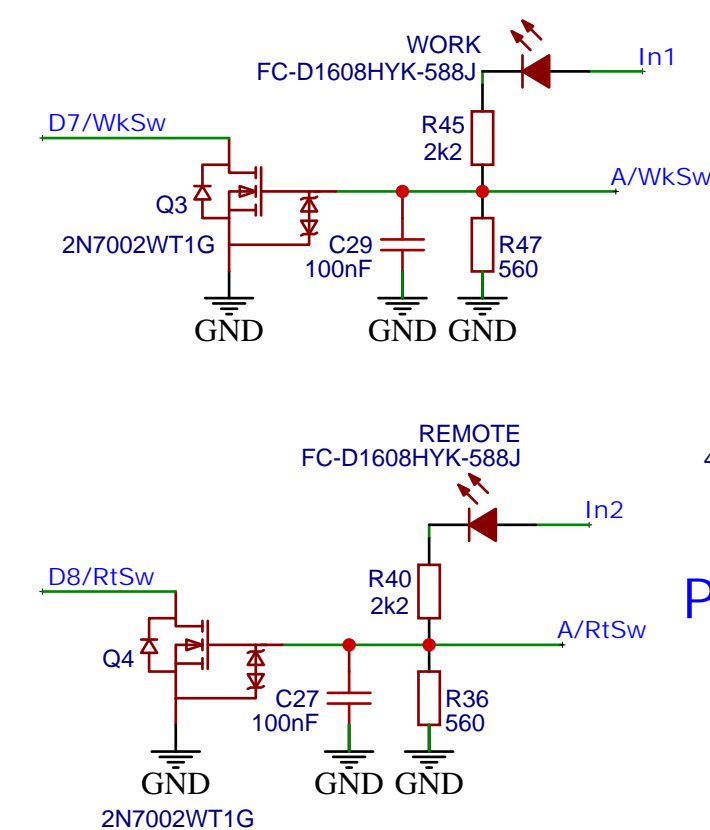
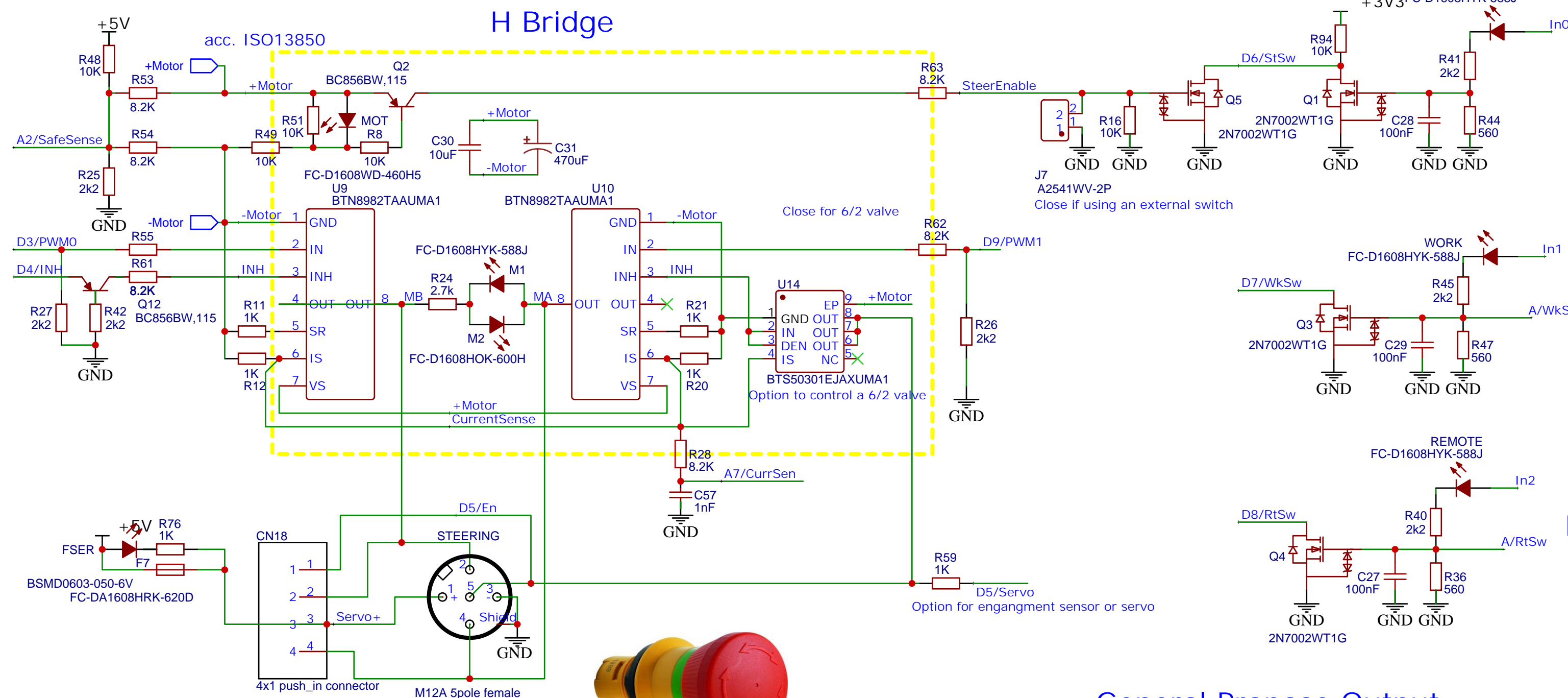
Option: ESP32

Set jumper on H1 2-3 when using ESP32

Firmware: [https://github.com/mtz8302/AOG\\_Autosteer\\_ESP32](https://github.com/mtz8302/AOG_Autosteer_ESP32)

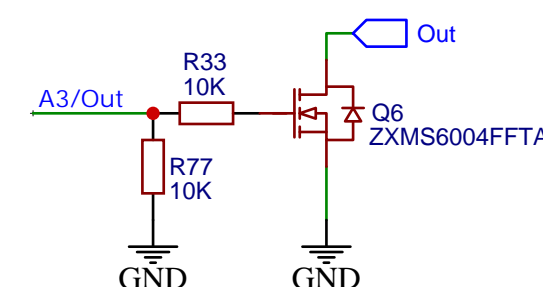



## H Bridge



## Protected General Propose Inputs

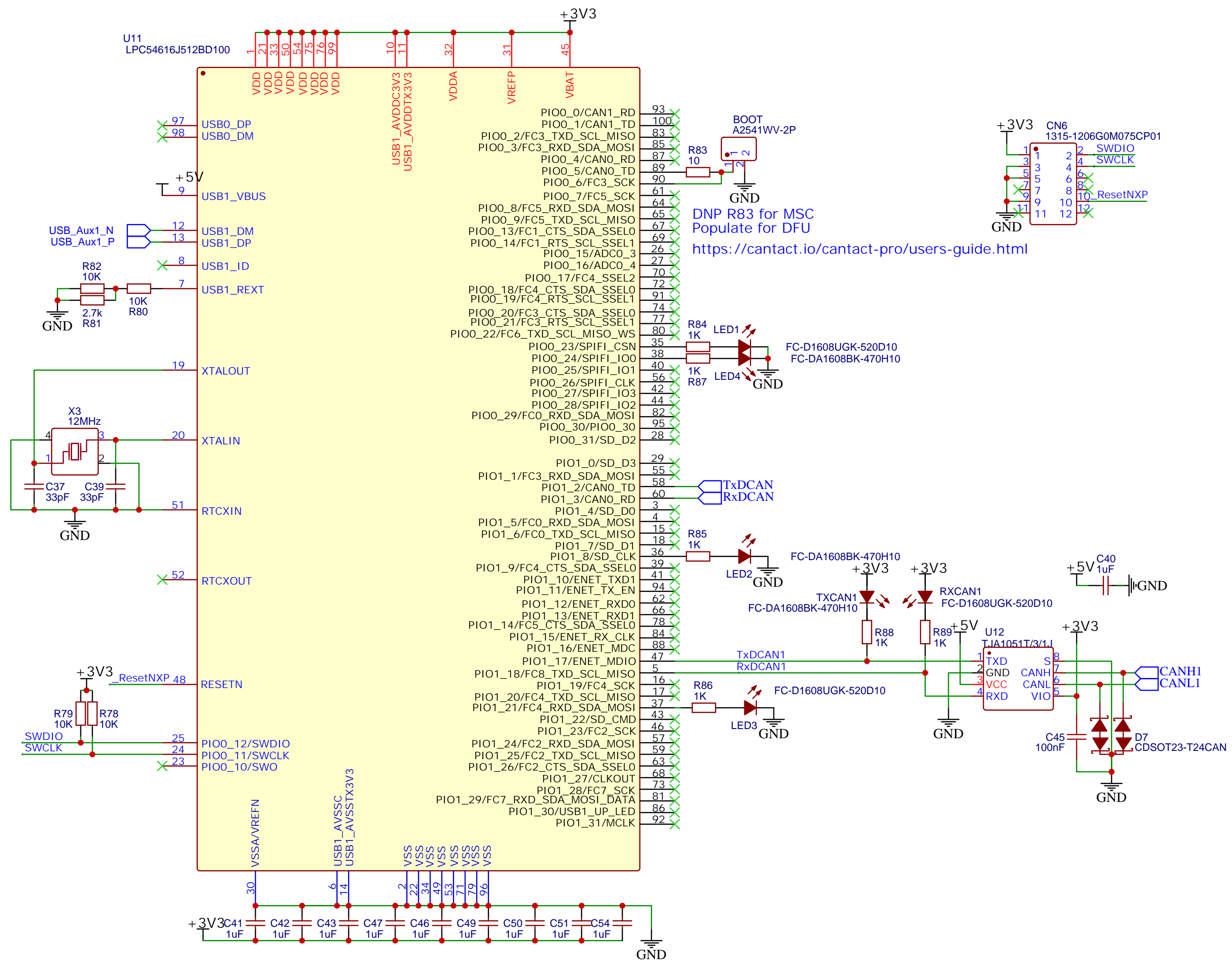
## General Propose Output



TITLE: $\mu$ C, Motor Driver, I/O		REV: 1.9
	Company: agopengps.discourse.group	Sheet: 1/1
	Date: 2020-12-11      Drawn By: GoRoNb	

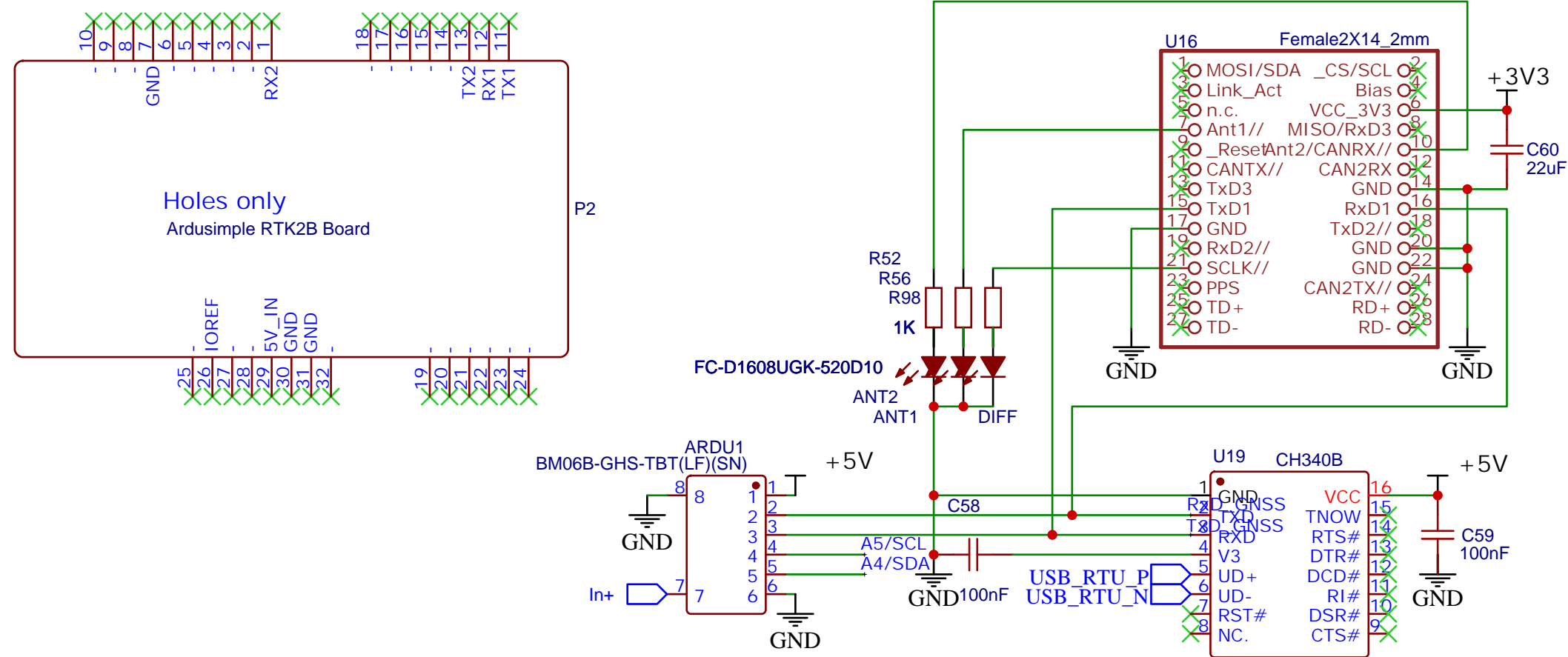


CANtact

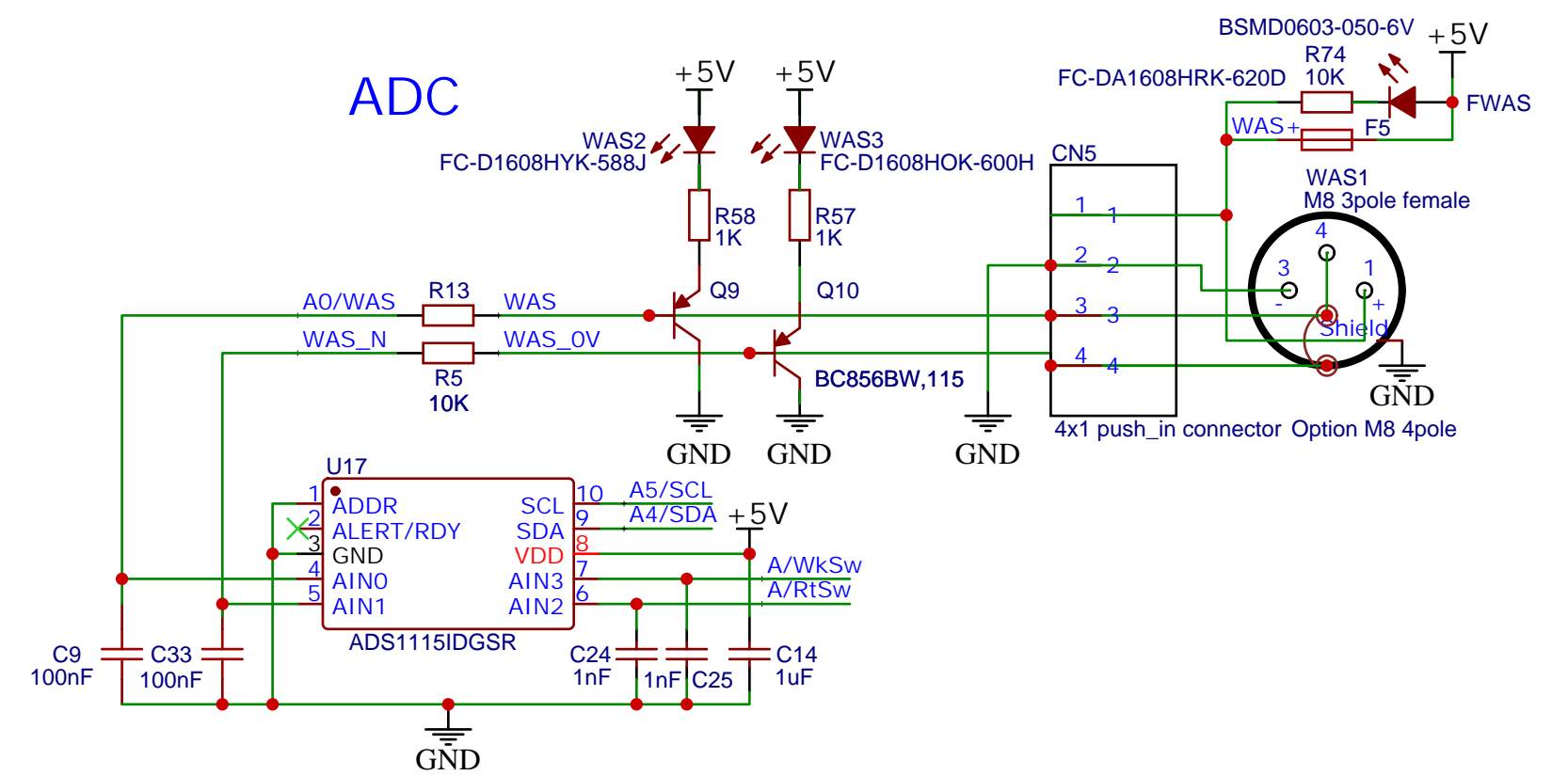


DNP R83 for MSC  
Populate for DFU  
<https://cantact.io/cantact-pro/users-guide.html>

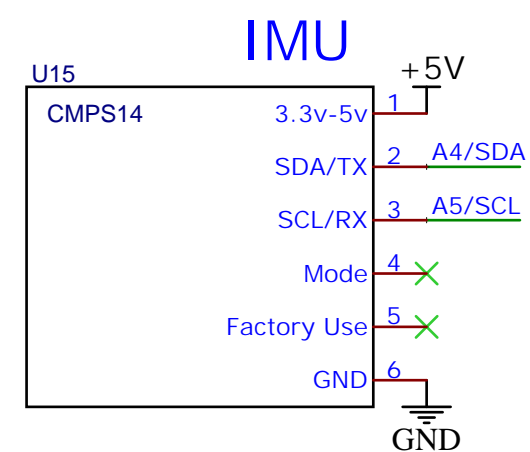
Option: ArduSimple



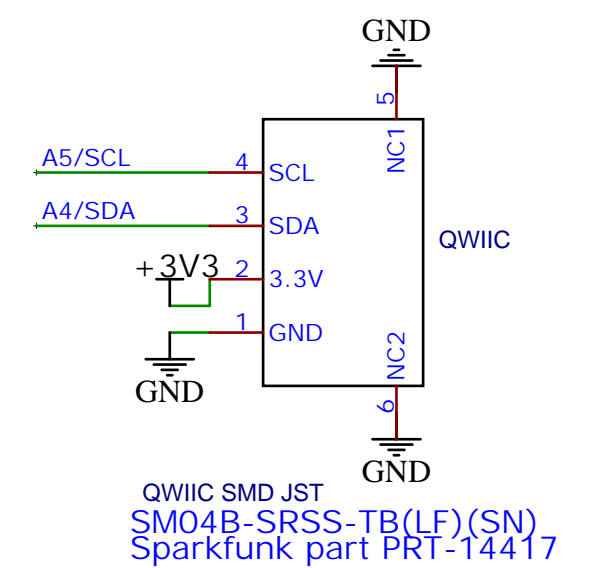
Option: Bynav-C1



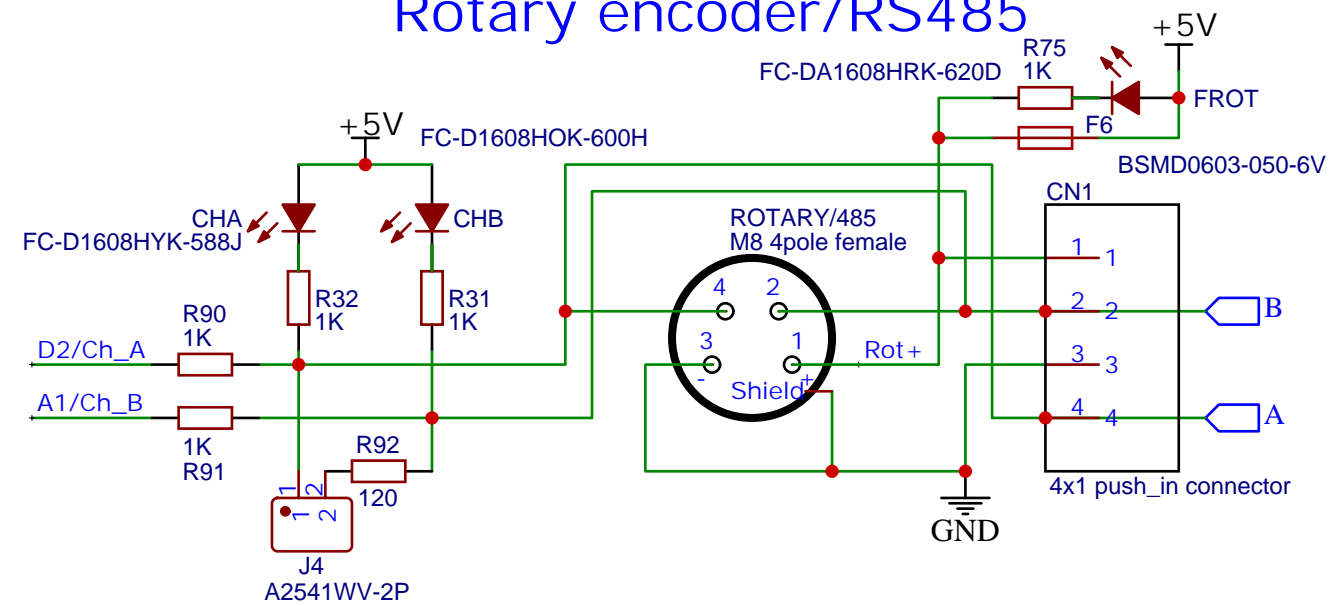
## Wheel Angle Sensor



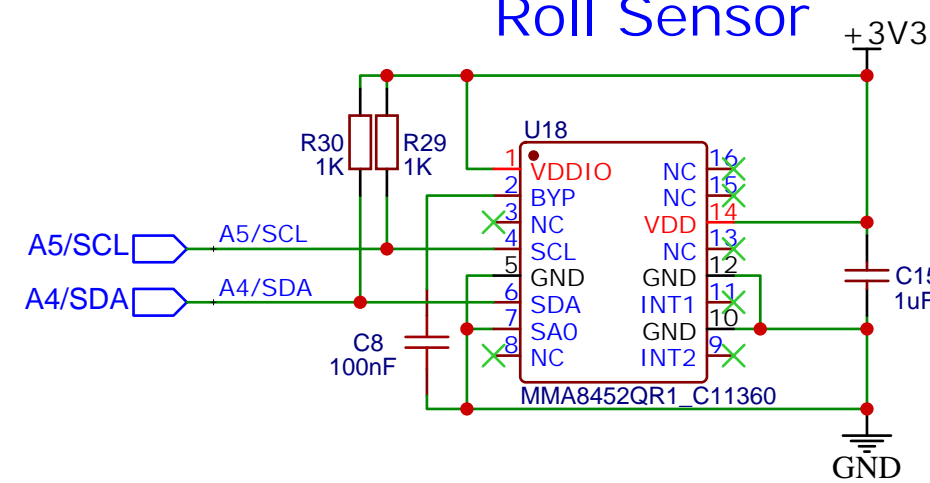
## QWIIC




## Rotary encoder/RS485



## Roll Sensor



TITLE: Sensors		REV: 1.9
	Company: <a href="https://agopengps.discourse.group">agopengps.discourse.group</a>	Sheet: 1/1
	Date: 2020-12-11      Drawn By: GoRoNb	