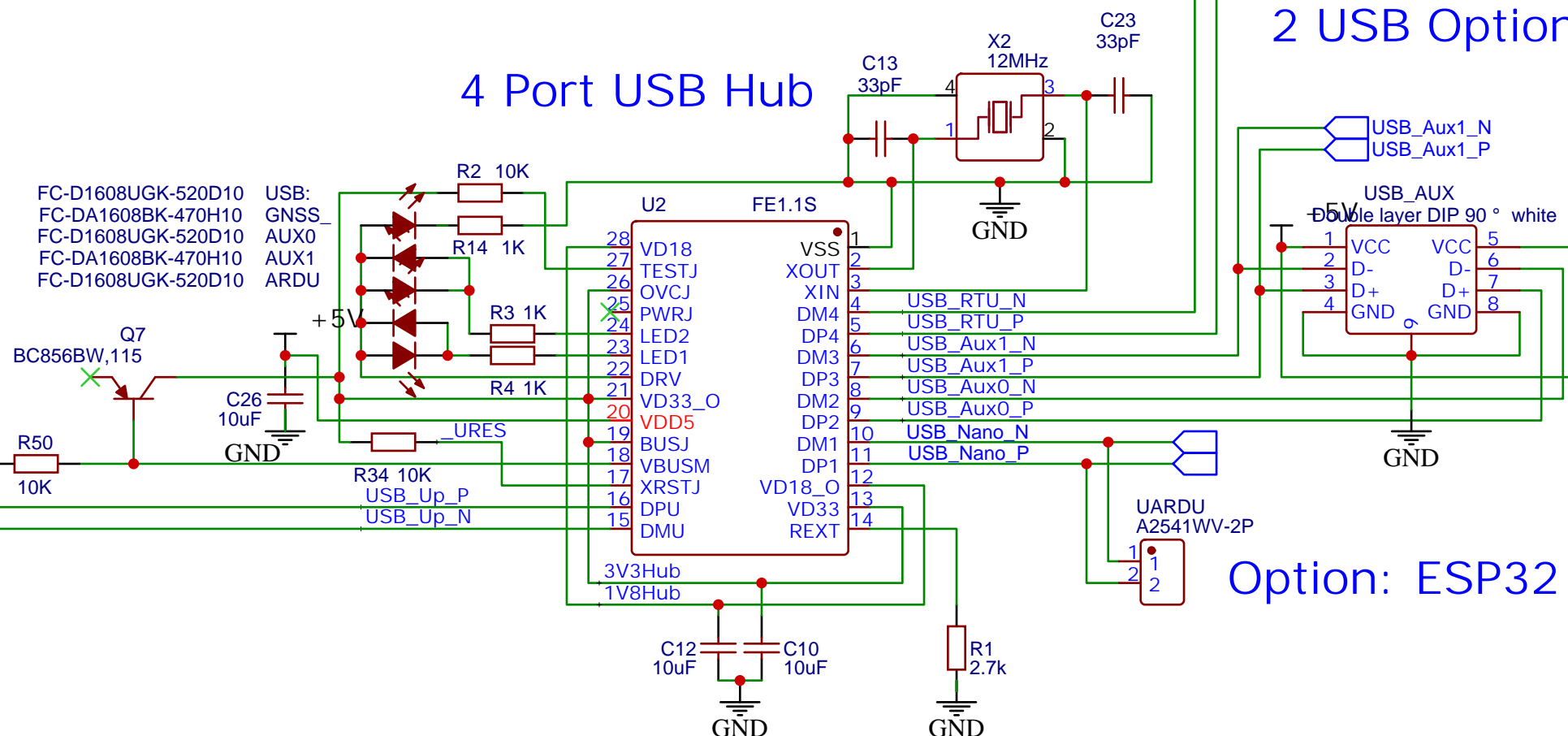


4 Port USB Hub



Roof Top Unit Connector

The diagram illustrates the electrical connection between the USB1 module and the M12 4pole female connector. The USB1 module is connected to the M12 connector via resistors R43 and R46. The M12 connector is connected to the A4/SDA and A5/SCL pins of the A4/A5 module via resistors R100 and R101. The A4/A5 module is connected to the A4/SDA and A5/SCL pins of the A4/A5 module via resistors R100 and R101. The A4/A5 module is connected to the A4/SDA and A5/SCL pins of the A4/A5 module via resistors R100 and R101.

for Modbus RTU, CAN, etc.

FC-DA1608HRK-620D
BSMD0603-050-6V

CANH
CANL
CAN+
Shield

CANB
CANB+
CANB-
Shield

2.7k
F2
F3

CN11
1 1
2 2
3 3
4 4

CN12
1 1
2 2
3 3
4 4

J2
1 2
3 3
4 4

J3
1 2
3 3
4 4

A2541WV-2X2P

R60
120

R65
120

4x1 push_in connector

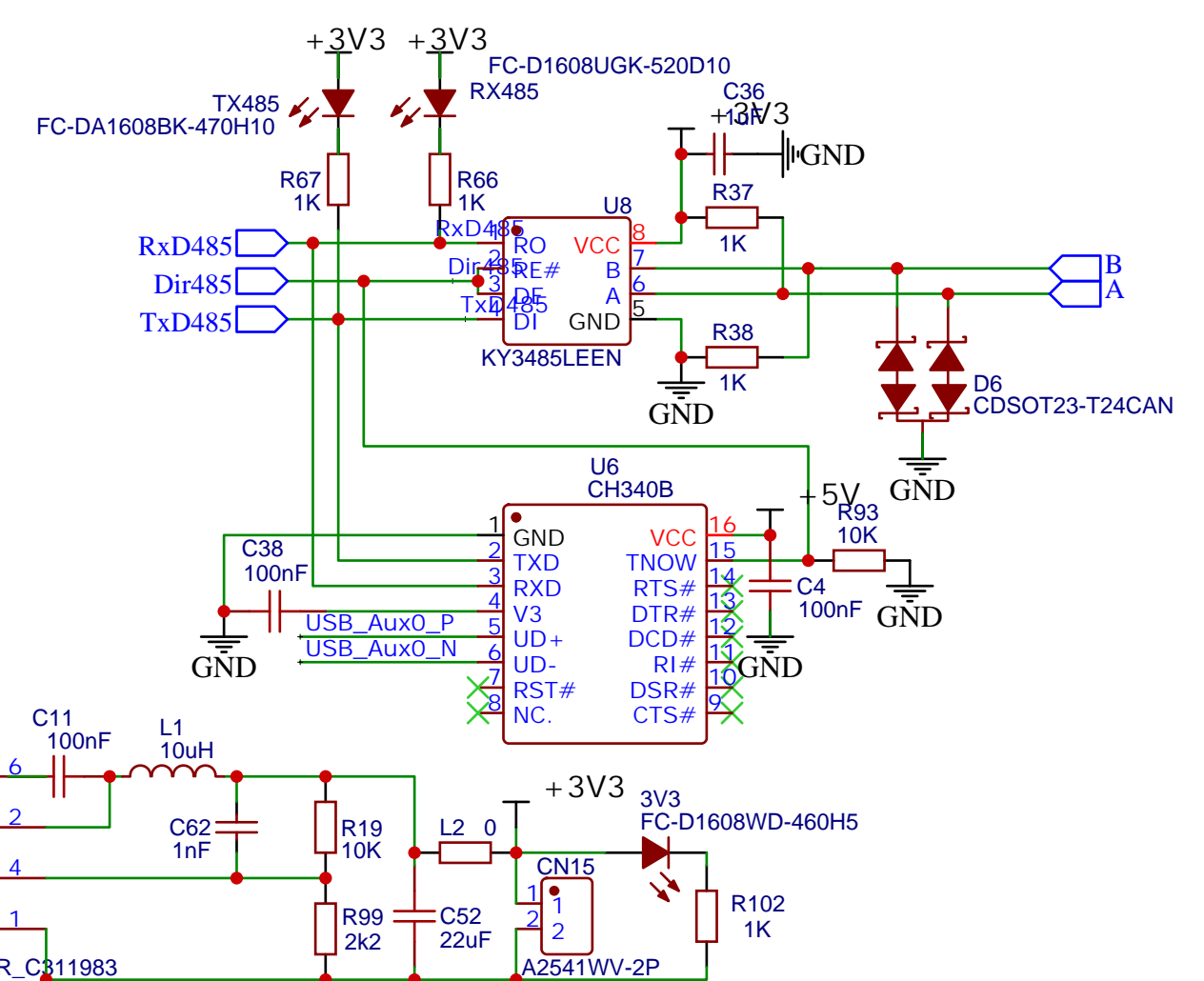
BSMD0603-050-6V
FC-DA1608HRK-620D

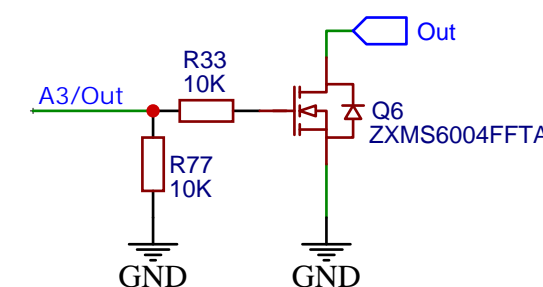
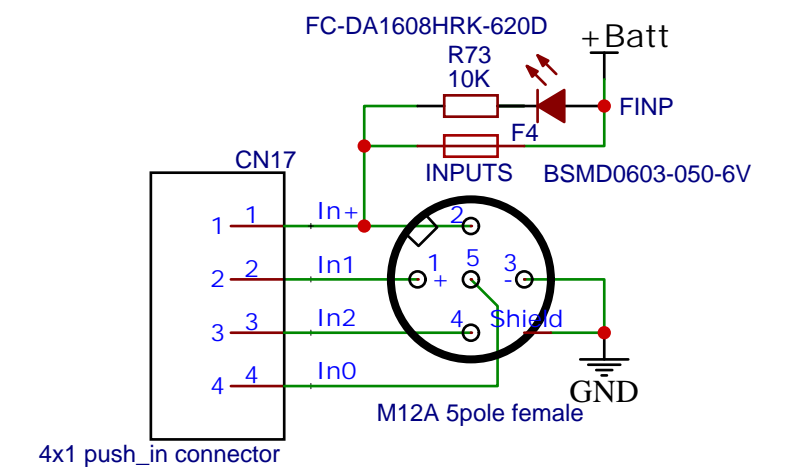
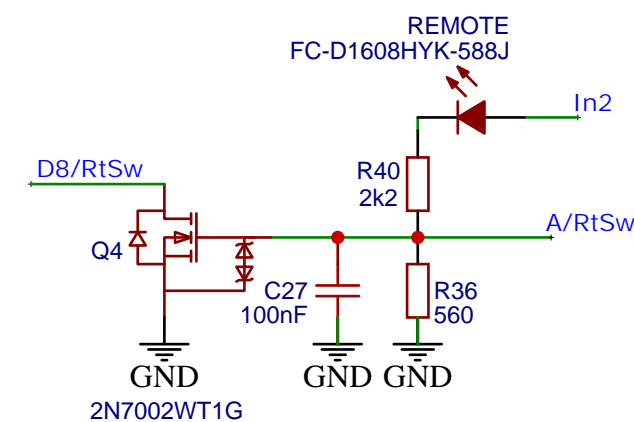
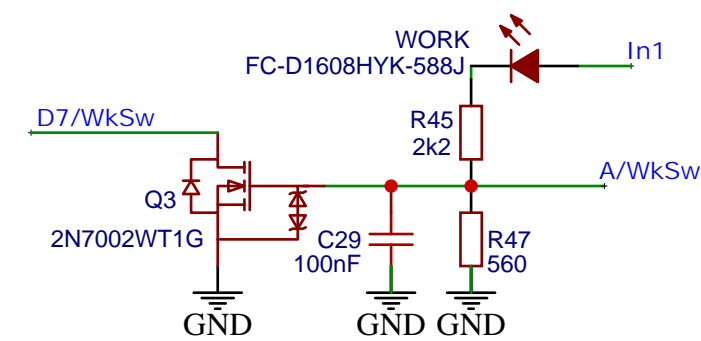
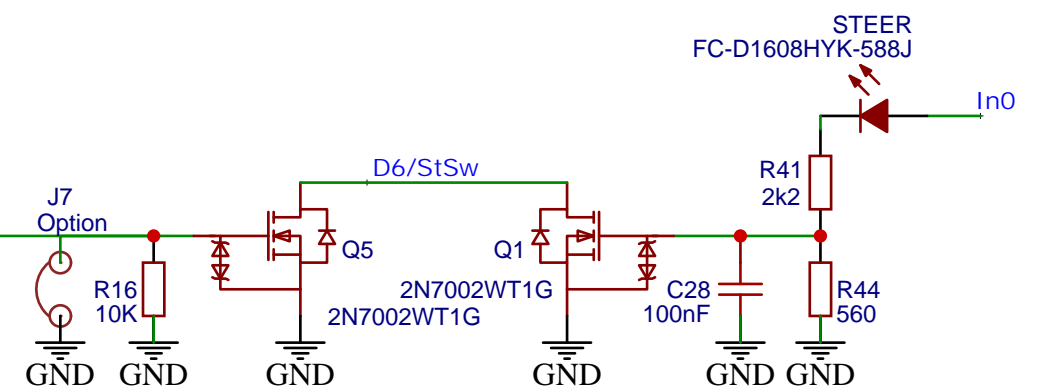
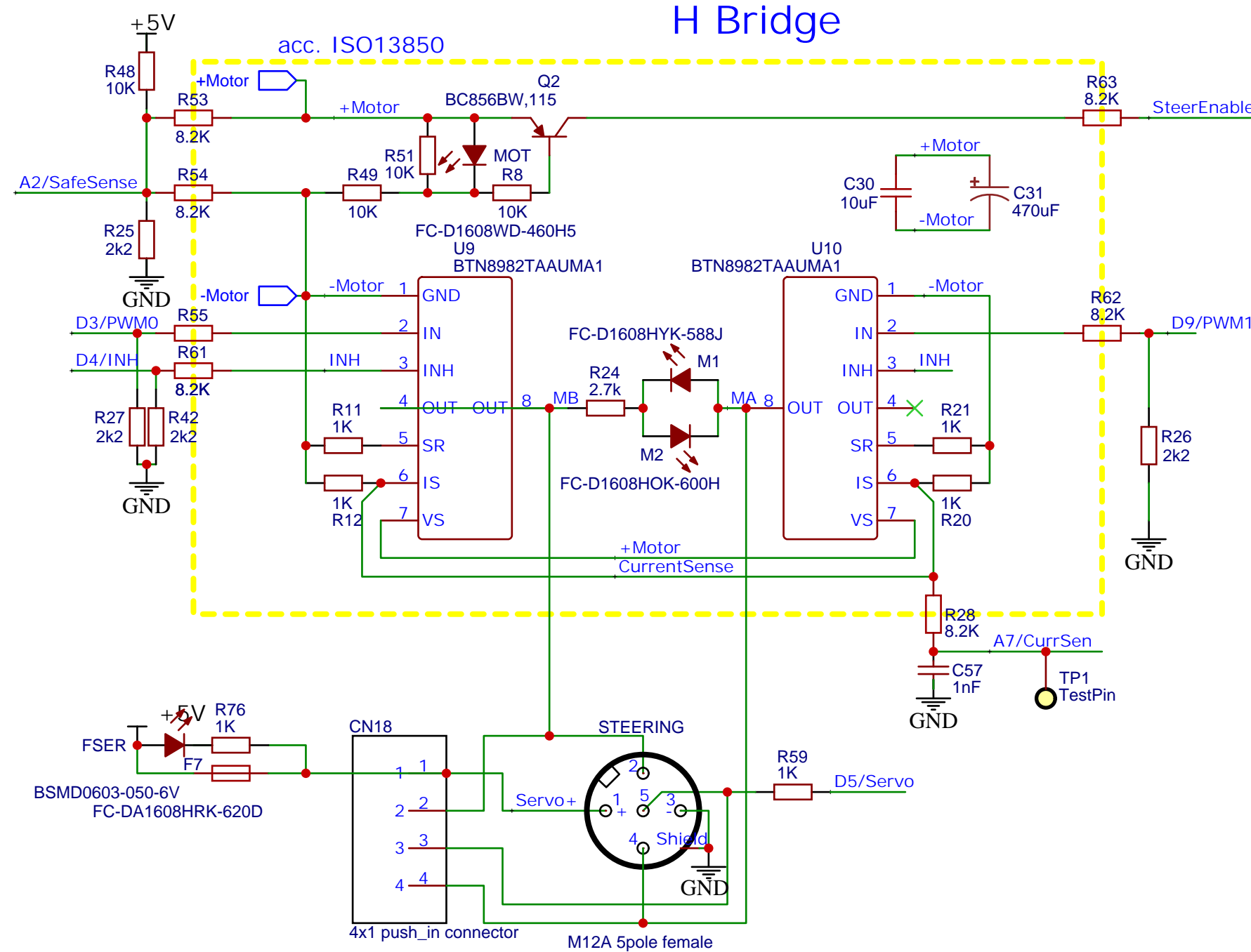
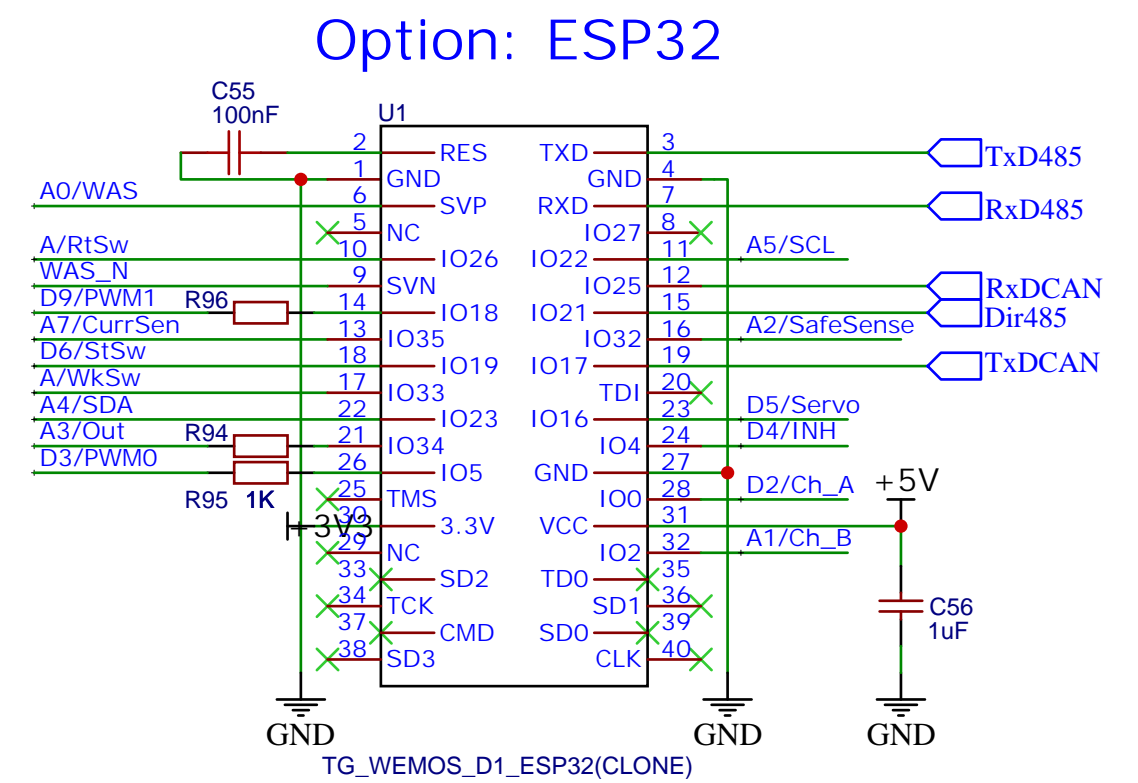
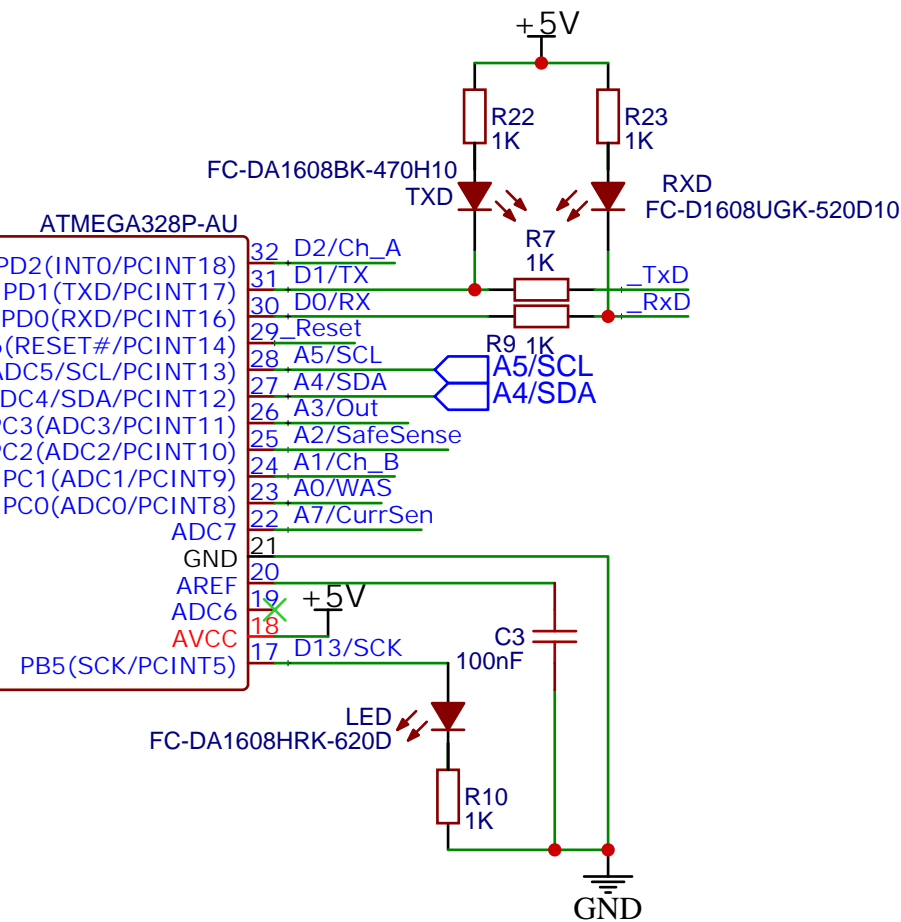
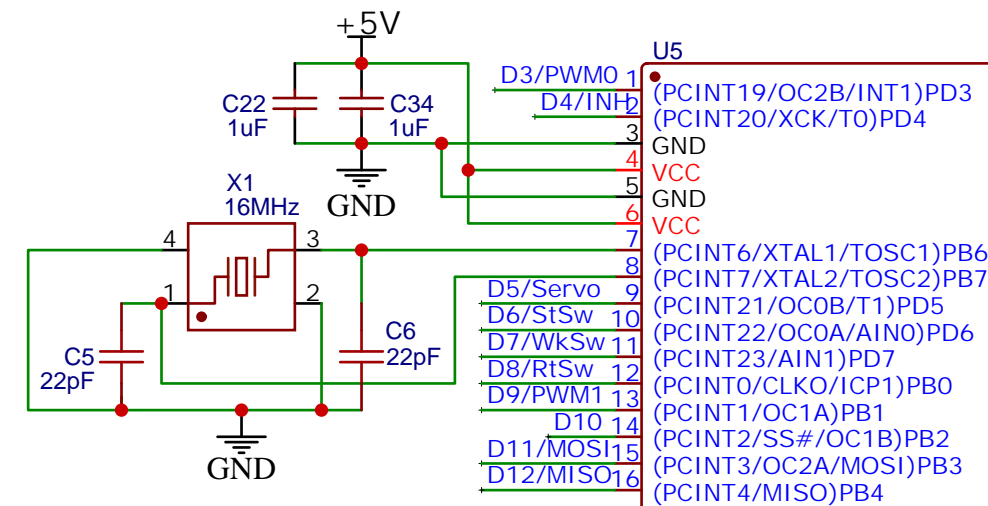
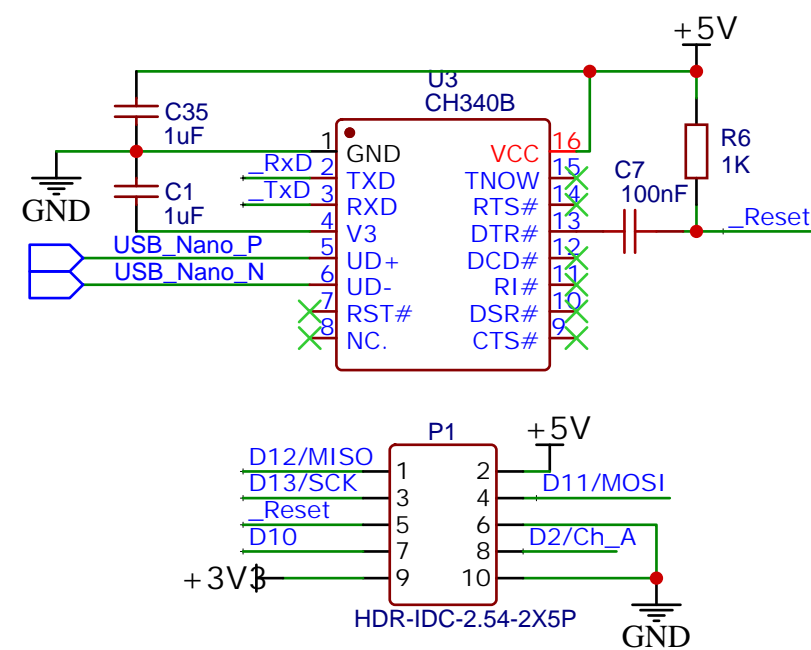
Option: ESP32

Option: RS485 / Modbus

The schematic diagram illustrates the internal circuitry of the FC-D1608WD-460H module. Key components include:

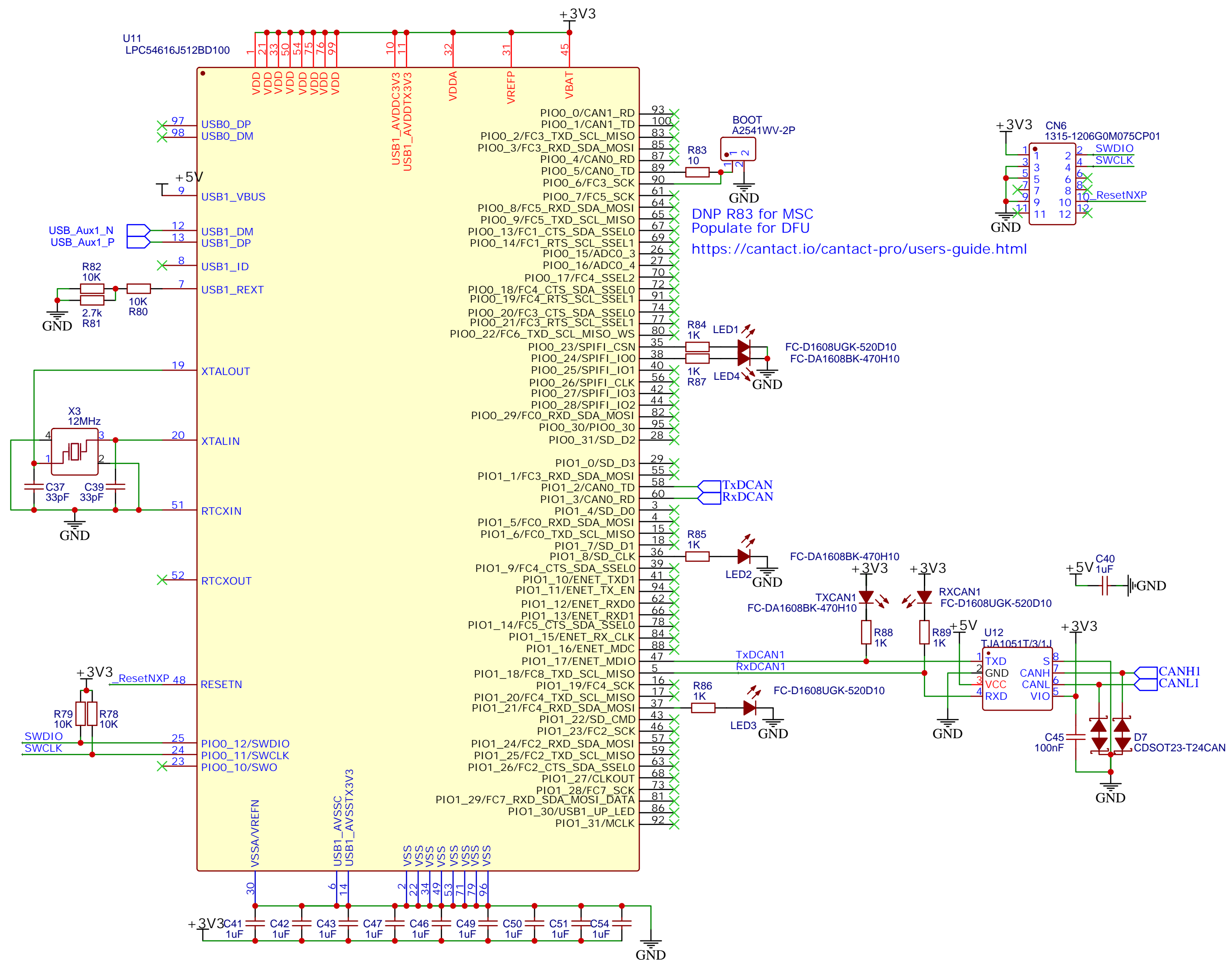
- Power Input:** A 12V input connected through a diode D2 (SMCJ15CA) and a network of capacitors (C32, C17, C18, C19, C44) to the +Vin pin.
- Control Interface:** A 4x1 push_in connector (CN4) provides logic signals (+Batt, GND, -Min) to the SMCJ33CA Schmitt trigger and the NMOS driver (Q8, HSBA4048).
- Motor Driver:** The NMOS transistor Q8 drives two motor loads (+Motor and -Motor) through resistors R35 and R39 (both 10K).
- Relay Control:** A relay (POWER M12A 5pole male) is controlled by the +Batt signal via diode D1 (SMCJ33CA). Its contacts are used for Aux and Shield connections.
- Signal Processing:** An op-amp (A2541WV-4P) processes signals from the module's inputs and outputs.
- Protection:** Various protection diodes (D1, D2), capacitors (C32, C17, C18, C19, C44), and resistors (R15, R35, R39) are distributed throughout the circuit.





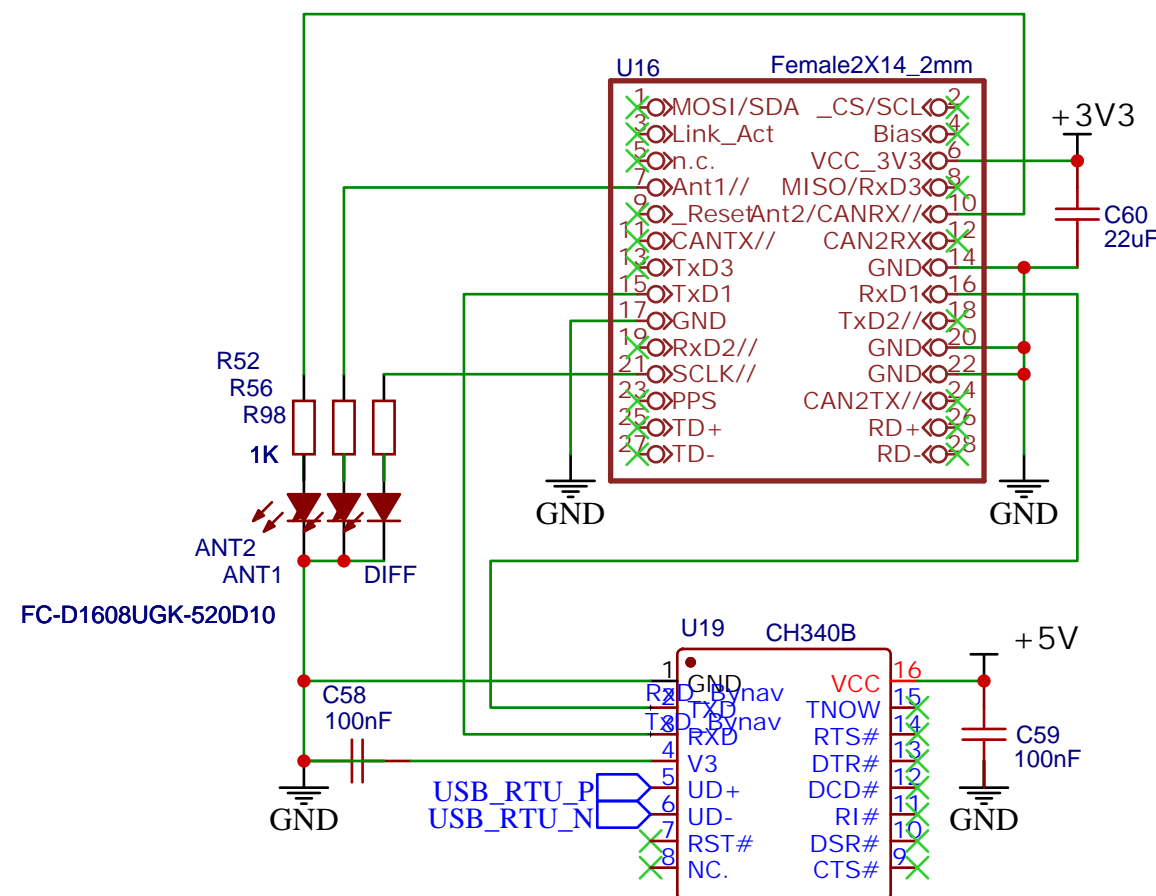
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	Company: agopengps.discourse.group	Sheet: 1/1
	Date: 2020-12-11 Drawn By: GoRoNb	

CANtact

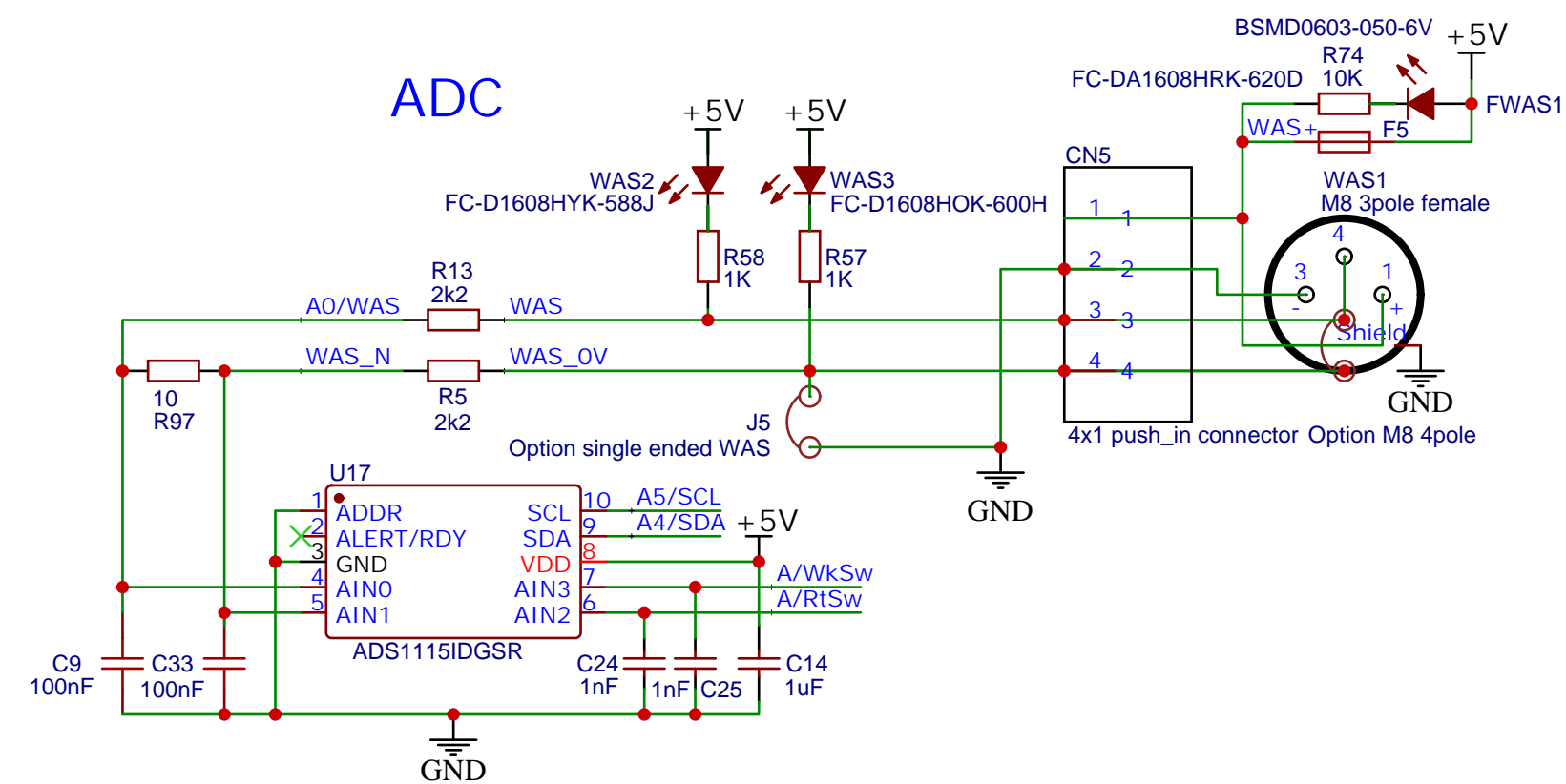


DNP R83 for MSC
Populate for DFU
<https://cantact.io/cantact-pro/users-guide.html>

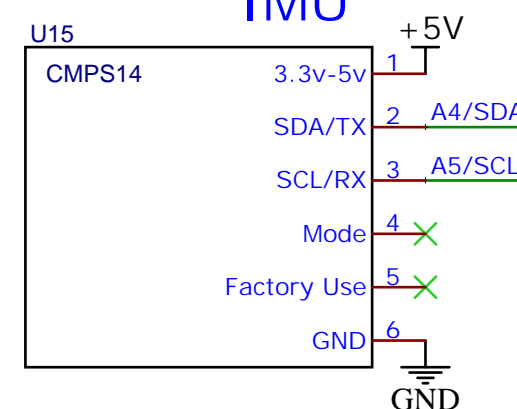
Wheel Angle Sensor



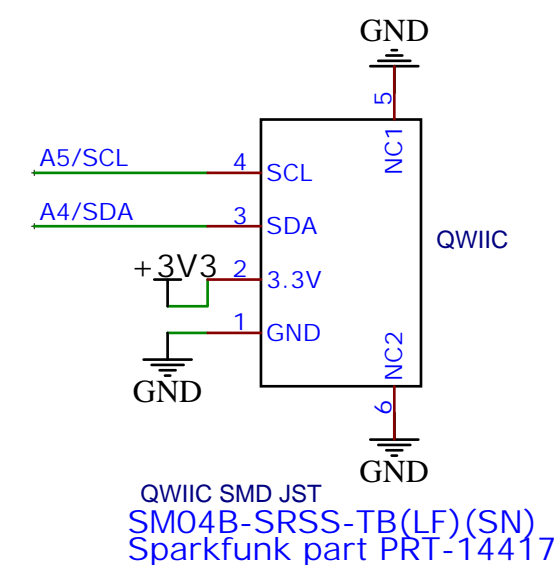
Option: Bynav-C1



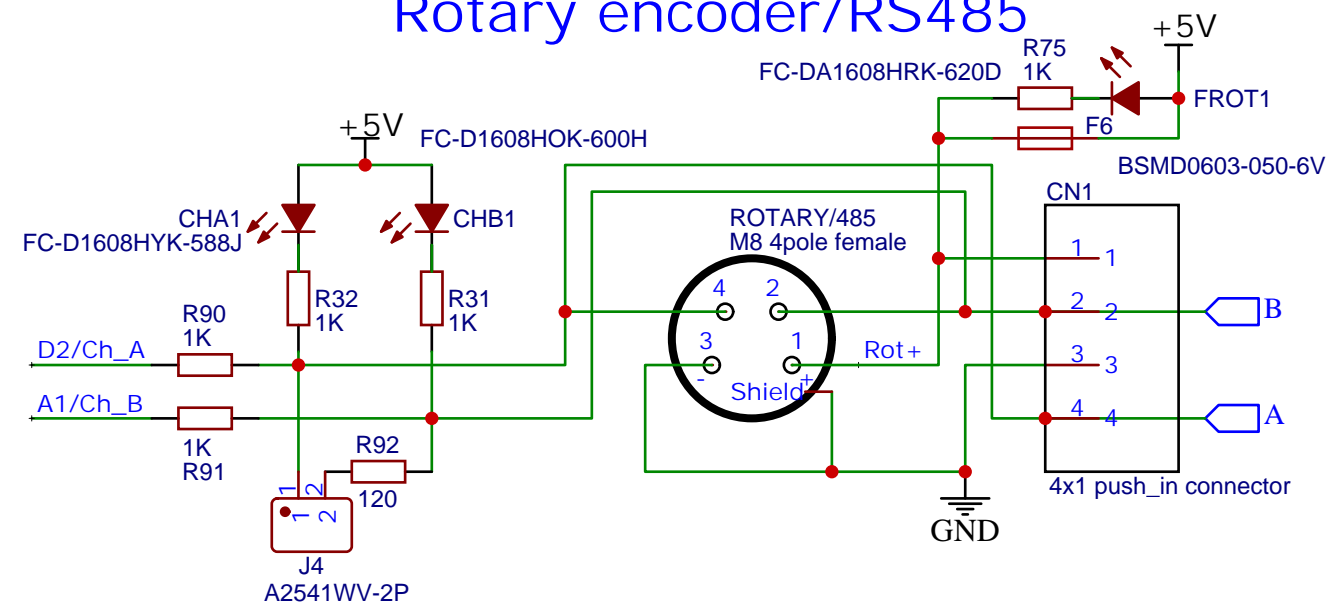
IMU



QWIIC



Rotary encoder/RS485



Roll Sensor

