USB-C PC/Tablet USB-C Charger/GP

TO_PC KH-TYPE-C-16P

DC/AUX KH-TYPE-C-16P

A2541WV-2X3P
PM254V-12-06-H85

A2541WV-2X3P
PM254V-12-06-H85

LED colors:
white: power
green/blue: serial data RxD/TxD
yellow/orange: I/O
red: error

Roof Top Unit Connector

male:

FC-DA1608HRK-620D

BSMD0603-050-6V

USB1

A/F90 C109354

GNSS+

USB_RTU_N
USB_RTU_P

A4/SDA

A5/SCL

J9

GNSS
M12 4pole female

A2541WV-2X3P
2 jumpers to the left: USB on M12
2 jumpers to the right: I ² C on M12

2 USB Options for Modbus RTU, CAN, etc.

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

4 Port USB Hub

FC-D1608UGK-520D10 USB:
FC-DA1608BK-470H10 GNSS_
FC-D1608UGK-520D10 AUX0
FC-DA1608BK-470H10 AUX1
FC-D1608UGK-520D10 ARDU

U2 FE1.1S

USB_Aux1_N
USB_Aux1_P

USB_AUX
double layer DIP 90 ° white

UARDU
A2541WV-2P

Option: ESP32

CN2
4x1 push_in connector

CN3
A2541WV-5P

J1
A2541WV-2P

CN13

CN14

BC856BW,115
Q7

Option: CAN2.0 via ESP32/CANtact

CAN
M8 4pole female

CANB
M8 4pole female

J2

J3

A2541WV-2X2P

4x1 push_in connector

Option: RS485 / M

Power Input Connector

CN4
4x1 push_in connector

POWER
M12A 5pole male

J8
A2541WV-4P

SMCJ33CA

SMCJ15CA

HSBA4048

Switch Mode Power Supply

TPS54302DDCR_C311983

FC-D1608WD-460H5

A2541WV-2P

CAN2.0 via ESP32/CANtact

FC-DA1608BK-470H10

FC-D1608UGK-520D10

U7
TJA1051T/3/1J

CDSOT23-T24CAN

RS485 / Modbus

FC-DA1608BK-470H10

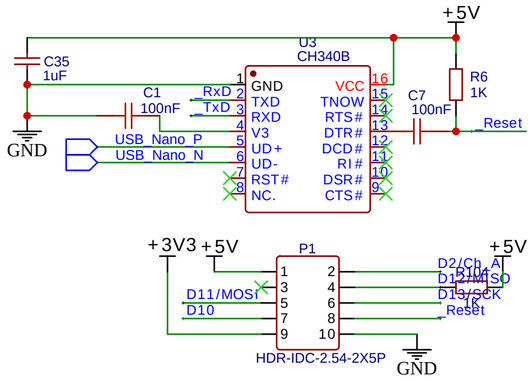
FC-D1608UGK-520D10

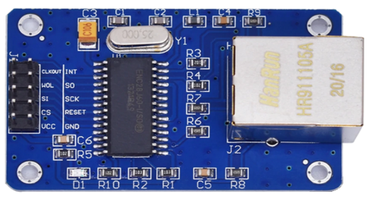
KY3485LEEN

U6
CH340B

CDSOT23-T24CAN

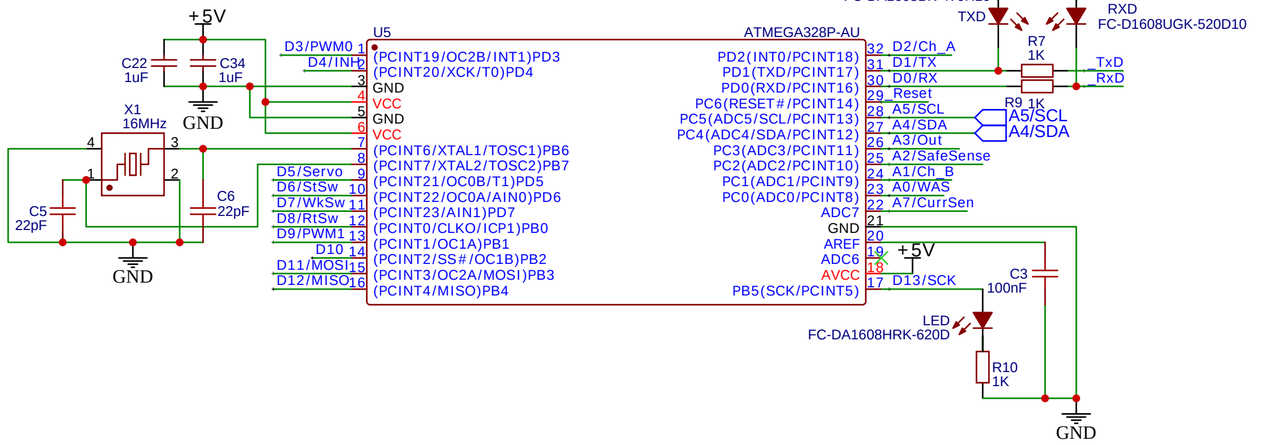
TITLE: Supply & USB		REV: 1.0
EasyEDA	Company: agopengps.discourse.group	Sheet: 1/1
	Date: 2020-12-11 Drawn By: GoRoNb	



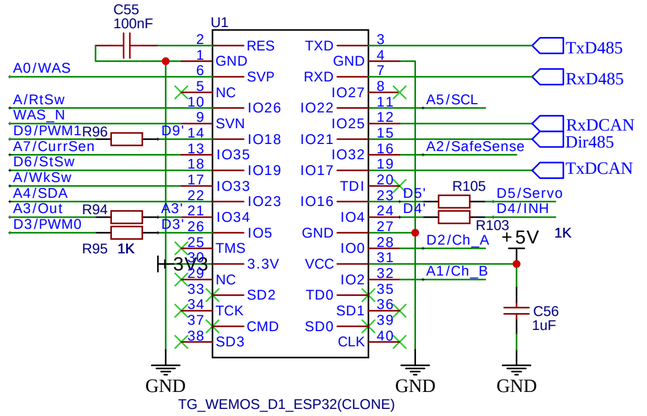


Cut CLKOUT before connecting!

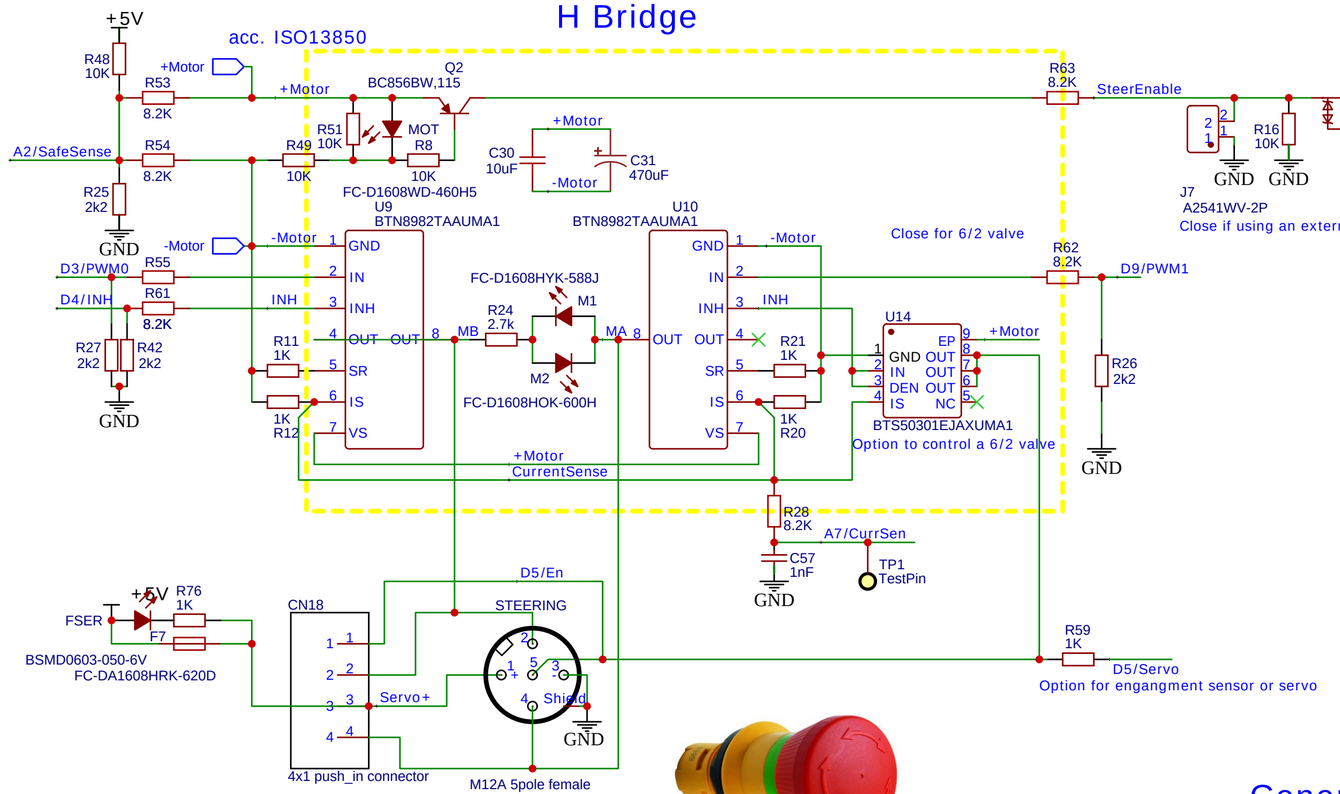
Nano

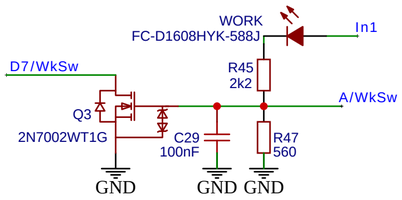


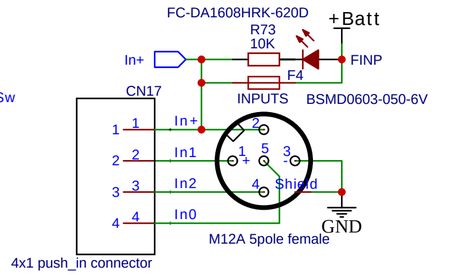
Option: ESP32

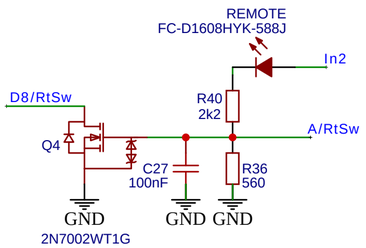


H Bridge



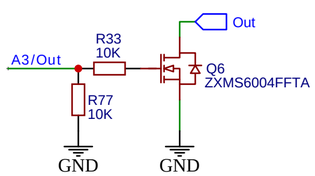






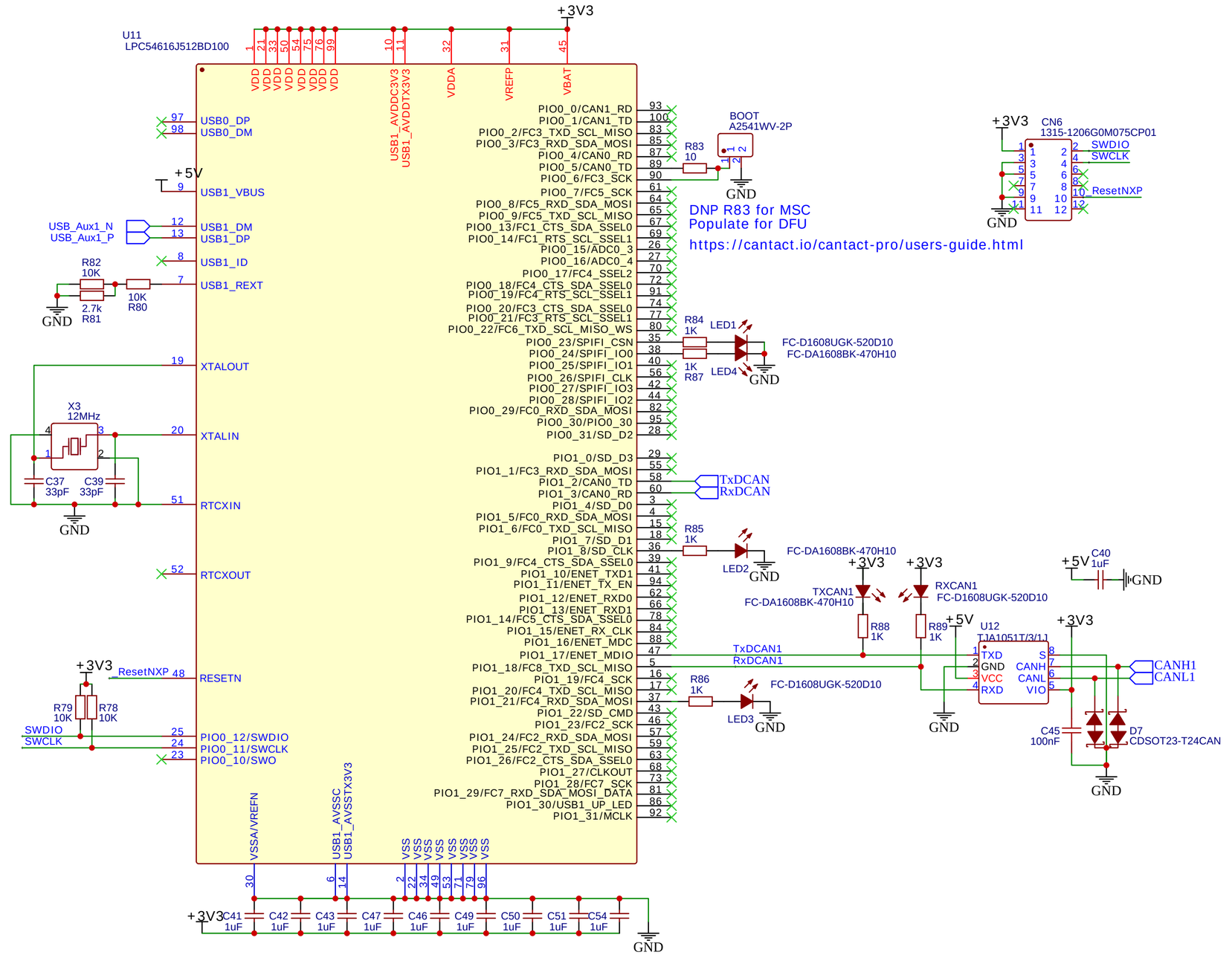
Protected General Propose Inputs

General Propose Output



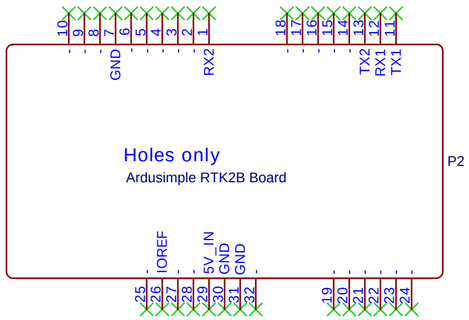
TITLE: µC, Motor Driver, I/O		REV: 1.0
EasyEDA	Company: agopengps.discourse.group	Sheet: 1/1
	Date: 2020-12-11 Drawn By: GoRoNb	

CANtact

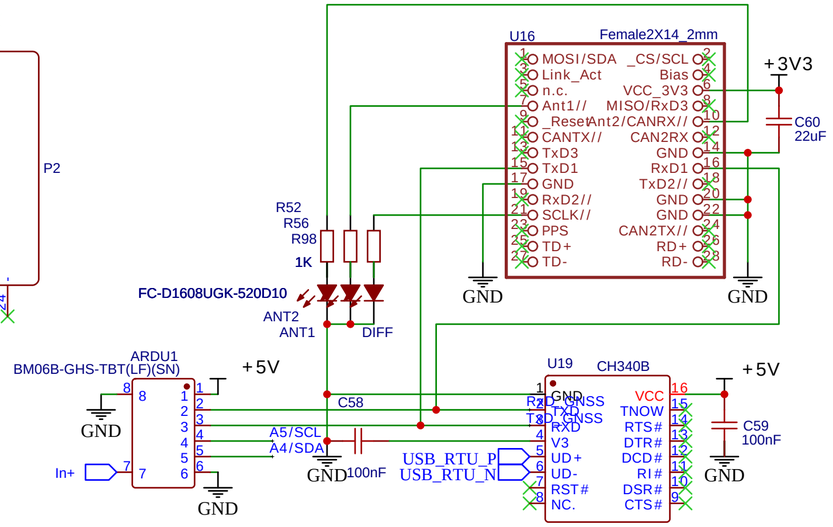


TITLE: CANtact controller		REV: 1.0
EasyEDA	Company: agopengps.discourse.group	Sheet: 1/1
	Date: 2020-12-11 Drawn By: GoRoNb	

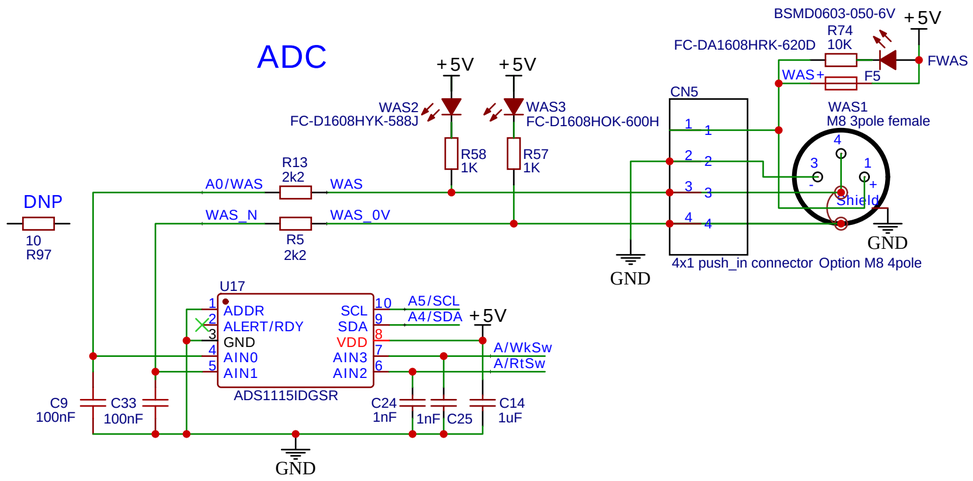
Option: Ardusimple



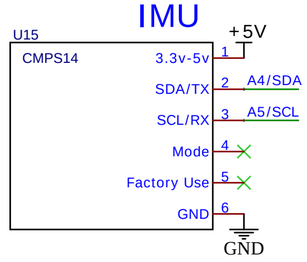
Option: Bynav-C1



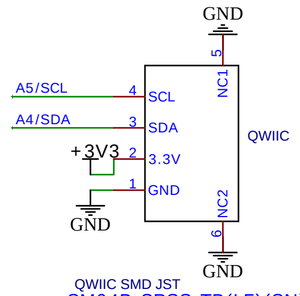
Wheel Angle Sensor



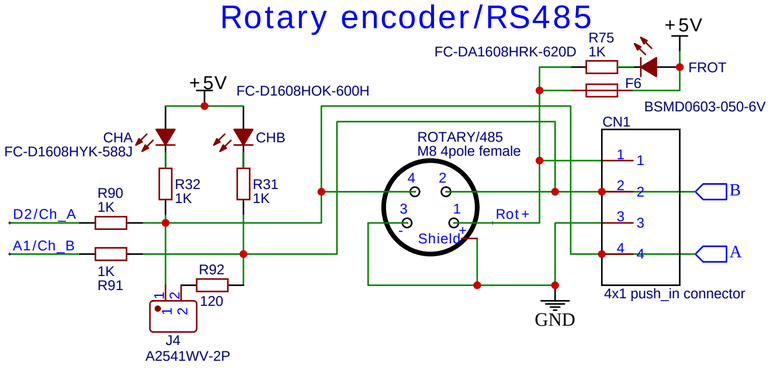
IMU



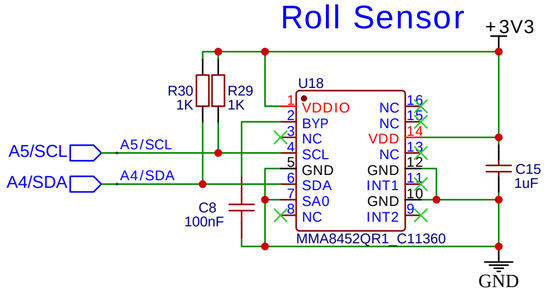
QWIIC



Rotary encoder/RS485



Roll Sensor



TITLE: Sensors		REV: 1.0
EasyEDA	Company: agopengps.discourse.group	Sheet: 1/1
	Date: 2020-12-11 Drawn By: GoRoNb	