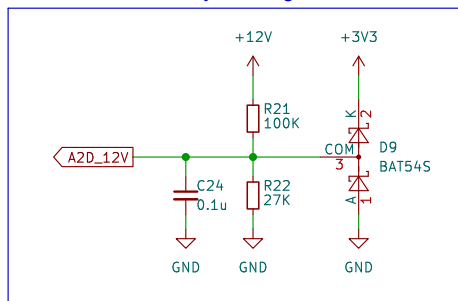
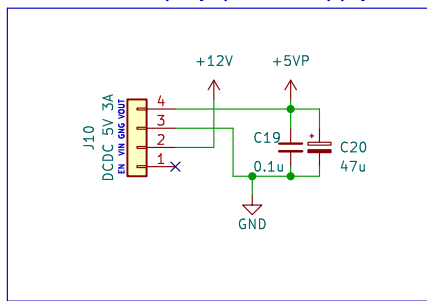


Do Not Mount when use ESP32 DevkitC

Battery voltage A2D



LED Display power supply



Sheet: /PowerSupply/
File: PowerSupply.kicad_sch

Title:

Size: A4

Date:

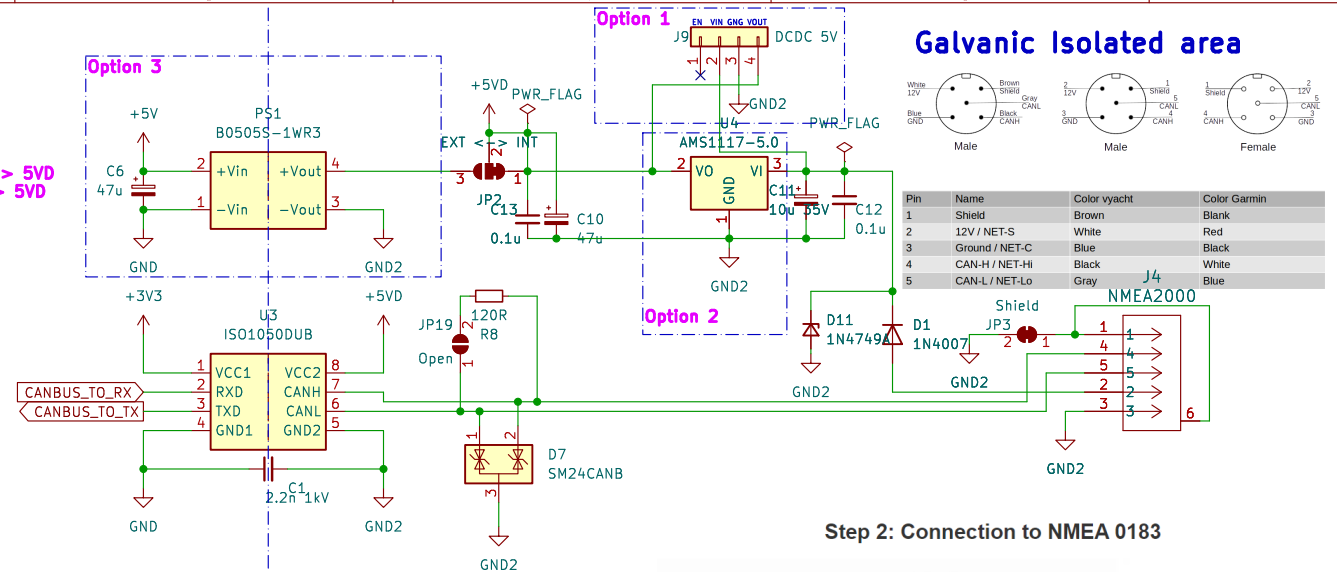
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Rev:

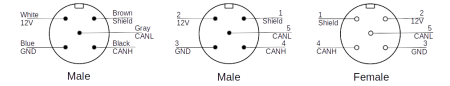
Id: 3/5

None Isolated area

Option 1: CANBUS 12V ---> DCDC ---> 5V
 Option 2: CANBUS 12V ---> AMS117 5.0 ---> 5V
 Option 3: Board 5V ---> Isolated DCDC ---> 5V

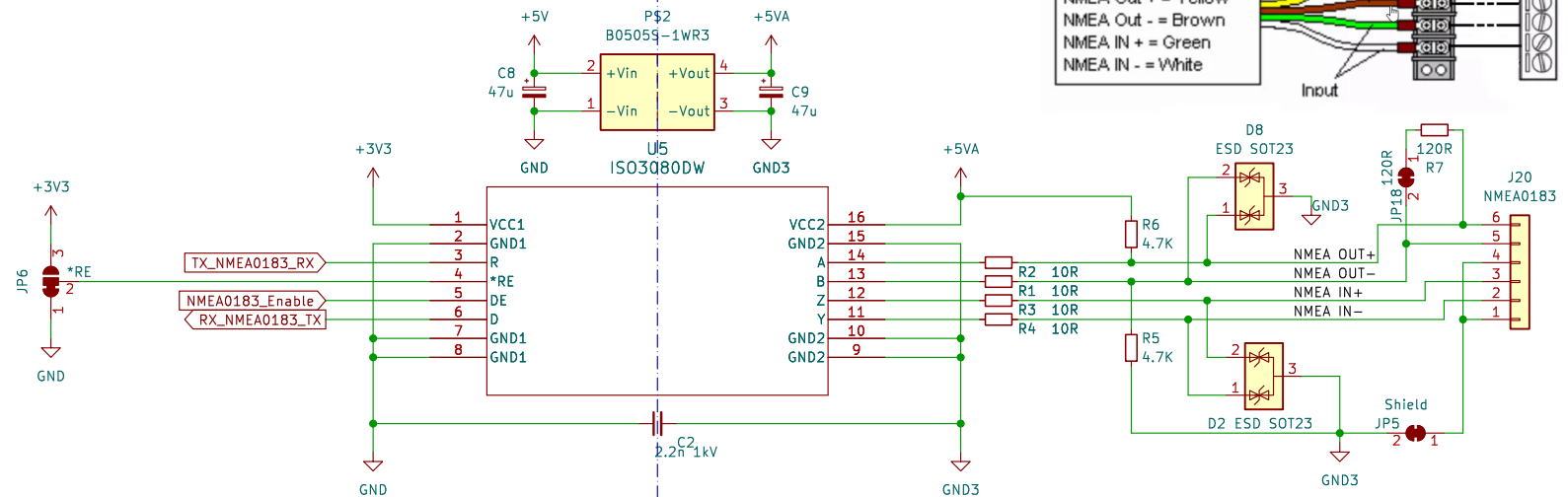
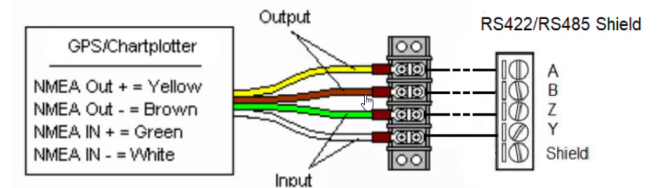


Galvanic Isolated area



Pin	Name	Color vyacht	Color Garmin
1	Shield	Brown	Blank
2	12V / NET-S	White	Red
3	Ground / NET-C	Blue	Black
4	CAN-H / NET-Hi	Black	White
5	CAN-L / NET-Li	Gray	Blue

Step 2: Connection to NMEA 0183



Sheet: /Isolated/
 File: Isolated.kicad_sch

Title:

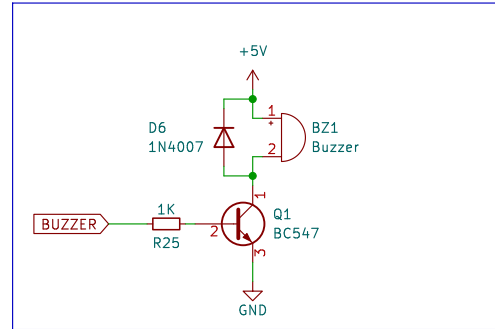
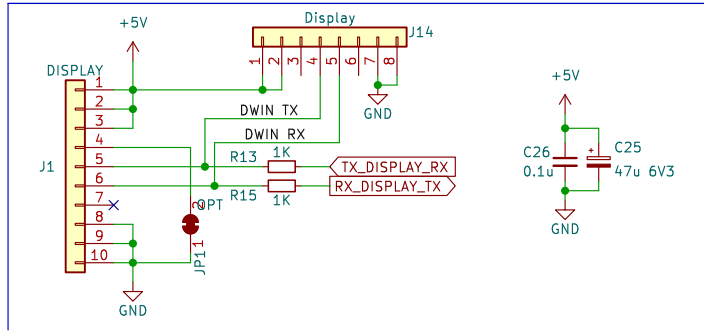
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Date:

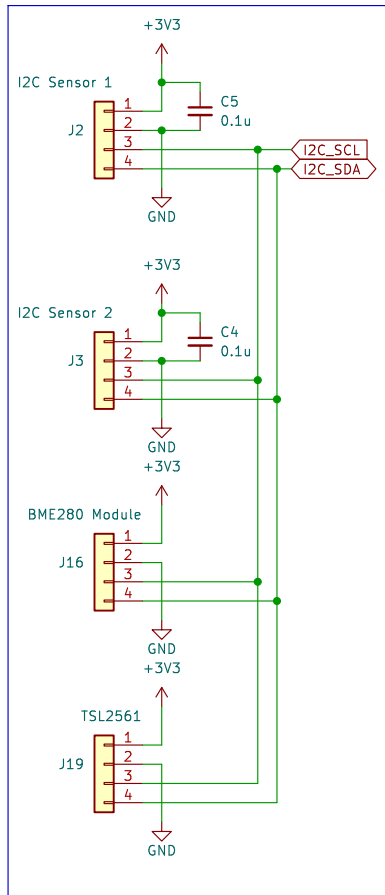
Rev:

Id: 4/5

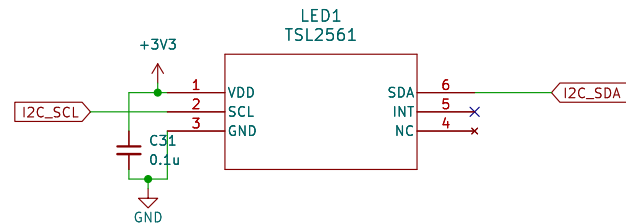
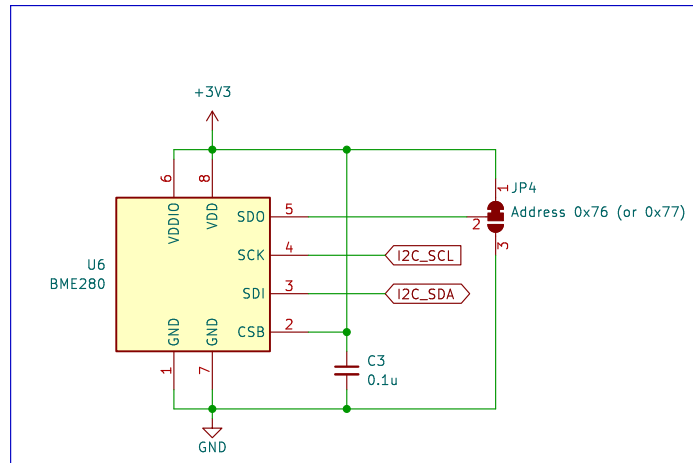
Display



I2C



Temperature, Humidity, Pressure



Sheet: /Display/
File: Display.kicad_sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 7.0.8

Rev:
Id: 5/5