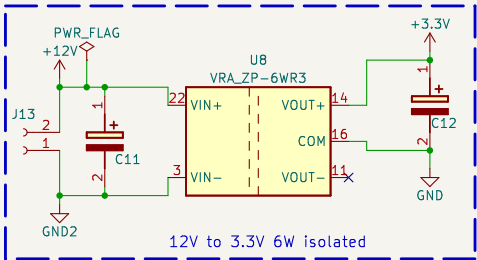
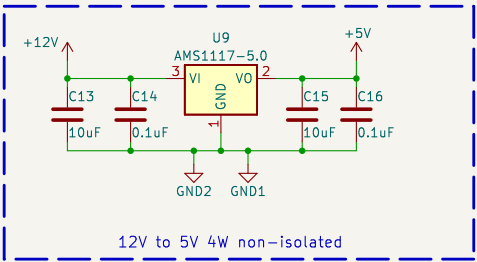


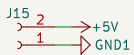
POWER SUPPLY SECTION



Three power lines
+12V (main power input to board), GND2
+5V (for CAN and RS485 isolated end), GND1
+3.3V (widely used), GND



Additional power ports



CEET

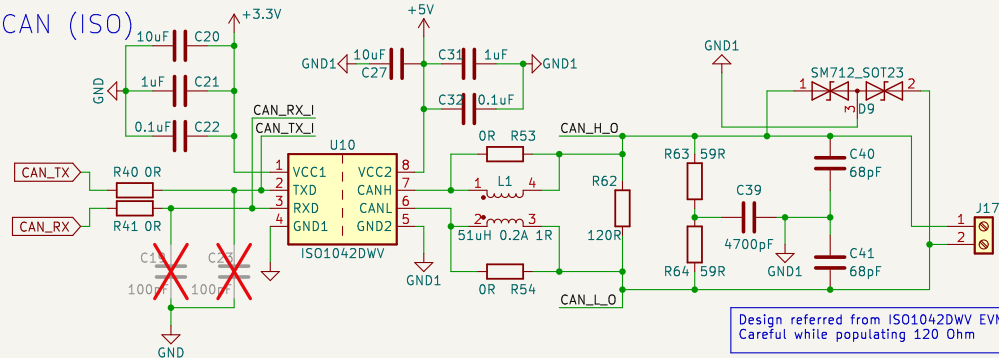
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Title: **BMS Master**

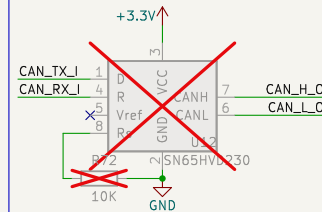
Size: A4 Date: 2024-03-10
KiCad E.D.A. kicad 7.0.9

Rev: **R1**
Id: 3/3

CAN (ISO)



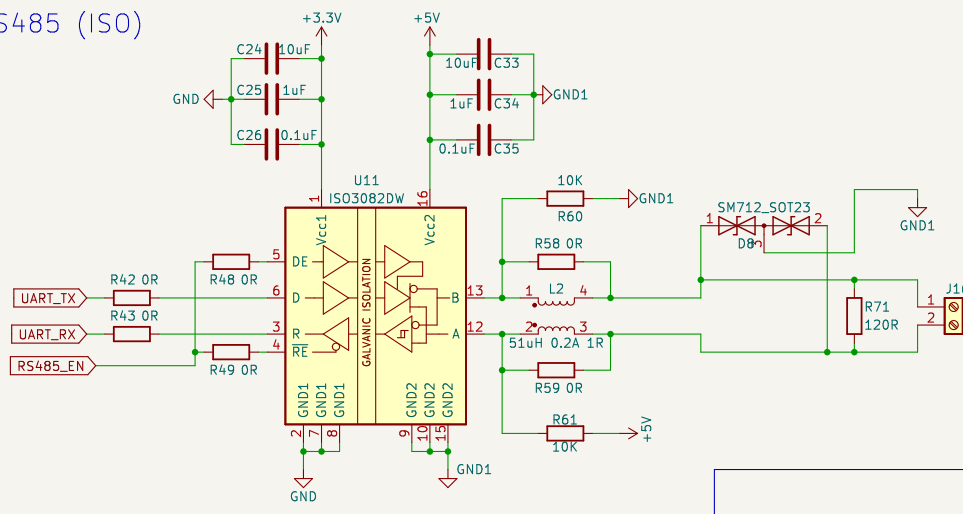
CAN (NON-ISO)



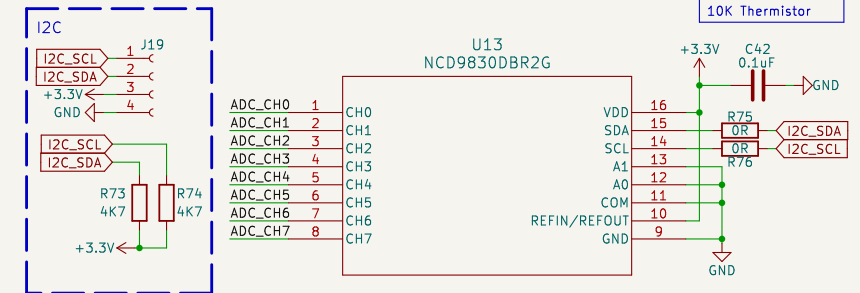
Rs -> mode selector (10K -> slope mode)
Ref design
D-Data input(pin1) | R-Data output(pin4)
Vref-Output:Vcc/2 (not used)

ESP32 pin description
UART1: IO17-TX1, IO18-RX1
CAN: IO21-CANRX, IO47-CANTX

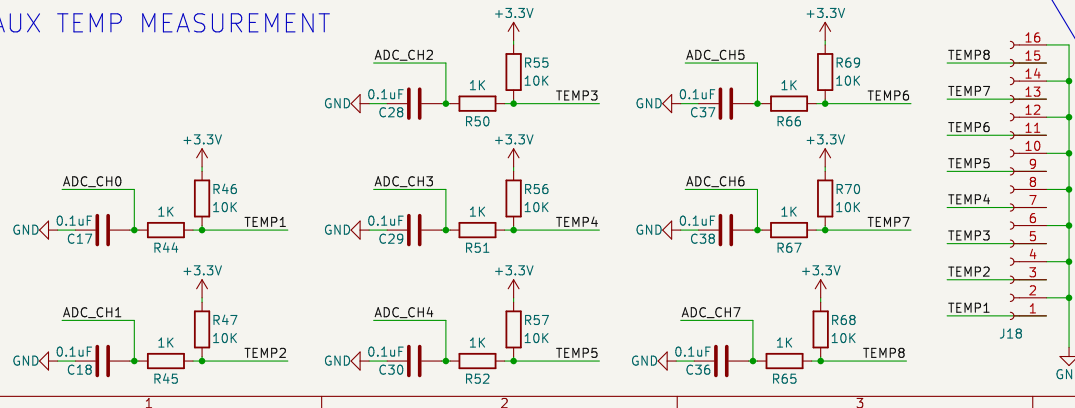
RS485 (ISO)



AUX TEMP MEASUREMENT (cont.)



AUX TEMP MEASUREMENT



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Sheet: /Communications/
File: comms.kicad_sch

Title: BMS Master

Size: A4 Date: 2024-03-10
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Rev: R1
Id: 3/3