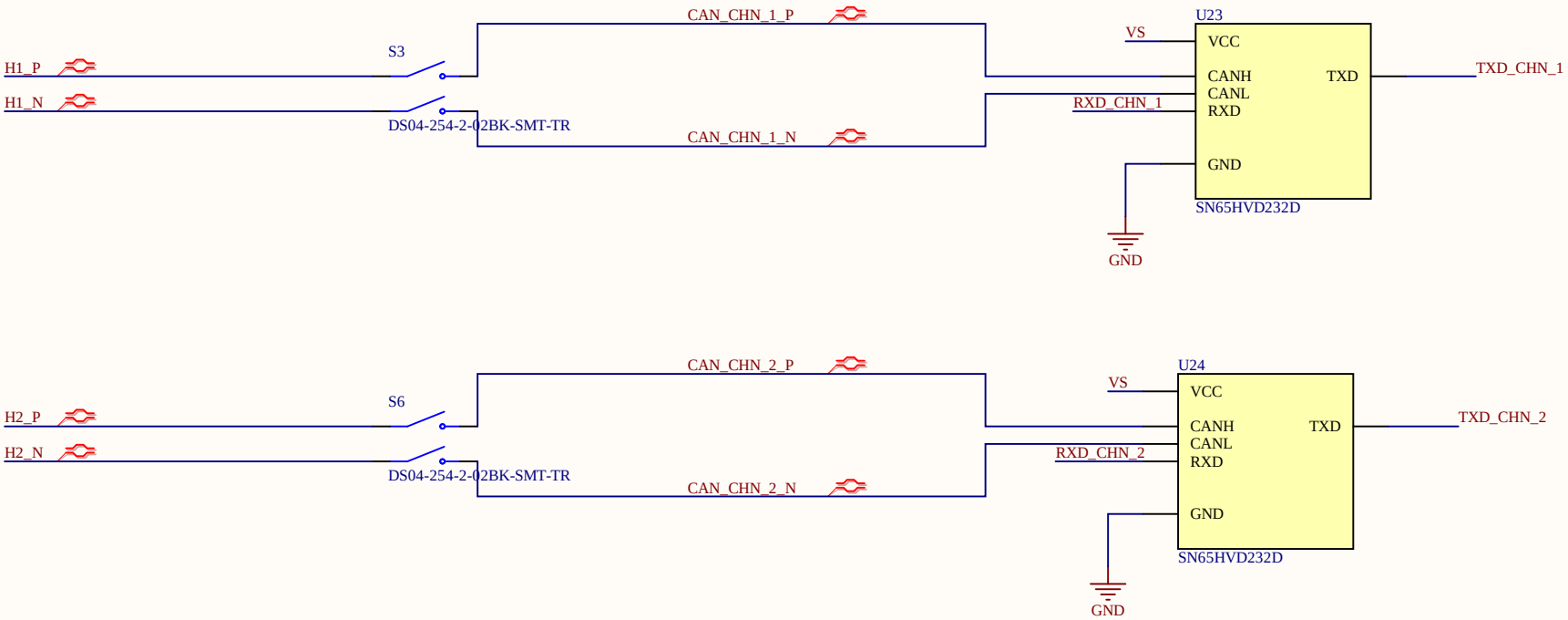

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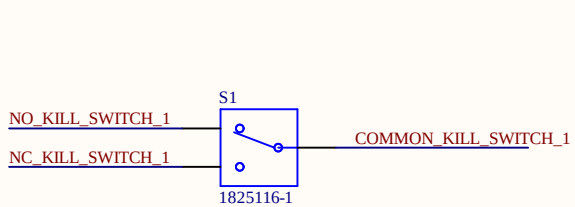

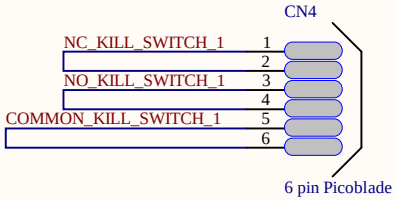

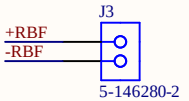

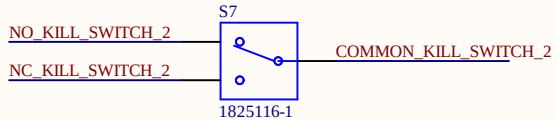

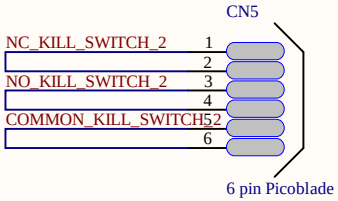

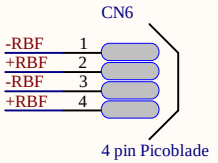

RBF	Switch(NC)	Switch(NO)	MOSFET	EPS POWER
1	X	X	OPEN	Cut-off
0	1	0	CLOSE	ON
0	0	1	OPEN	Cut-off (launch moment)

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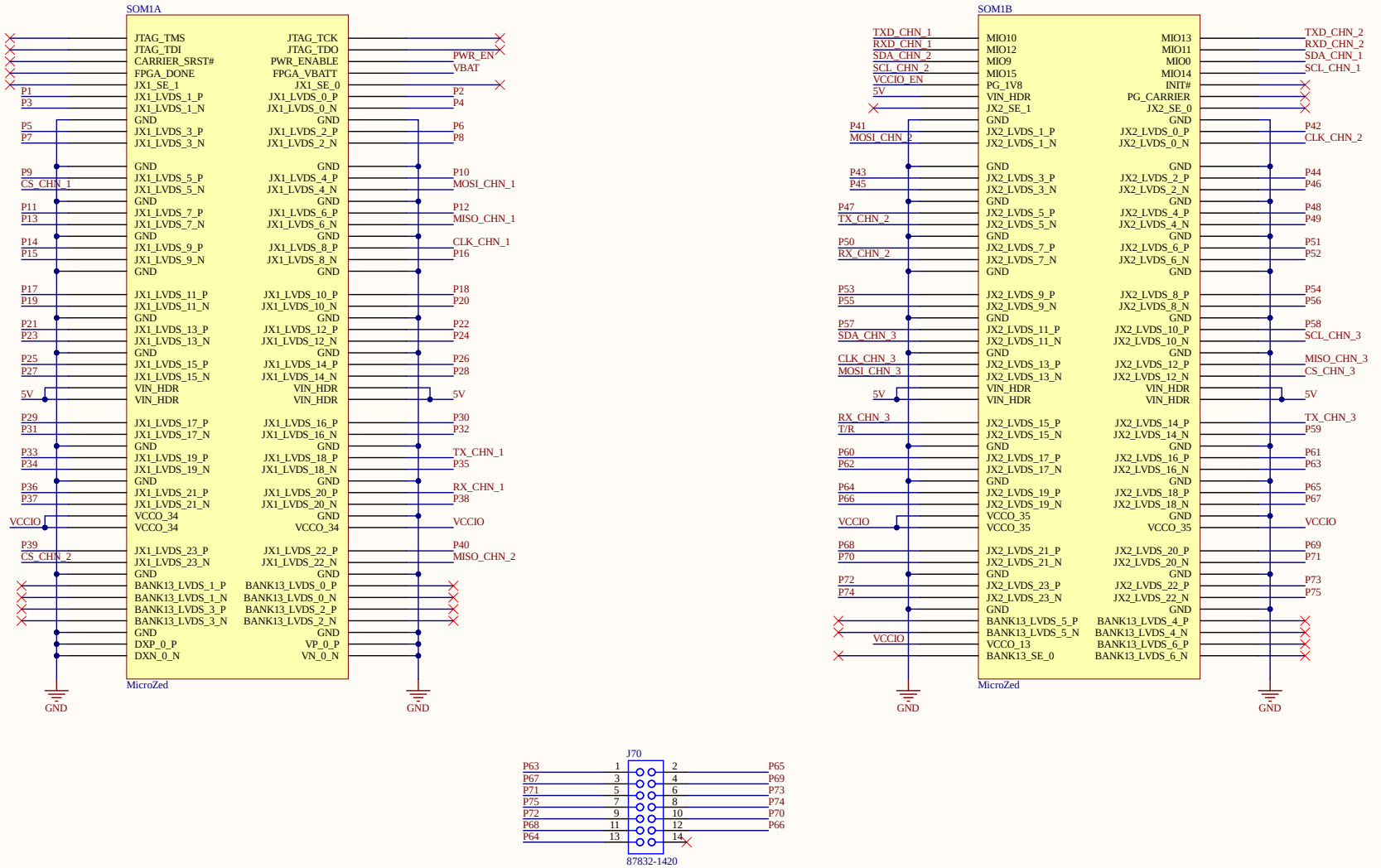

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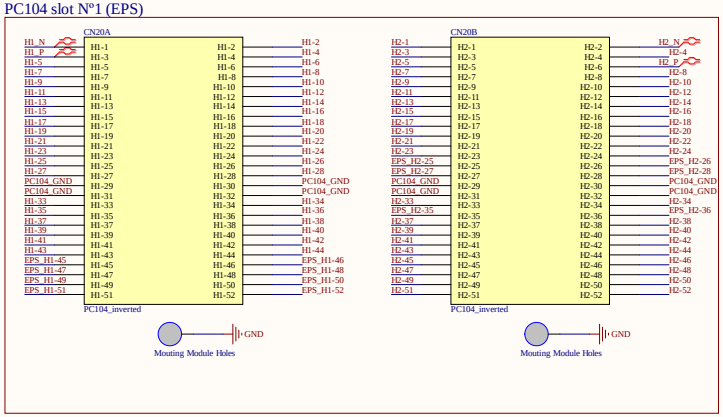
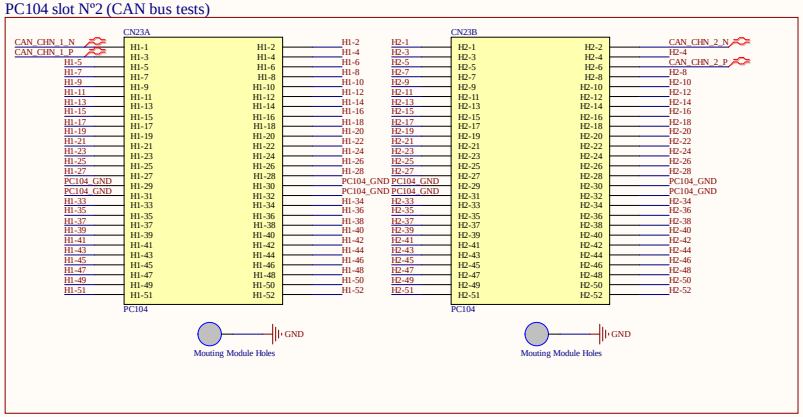
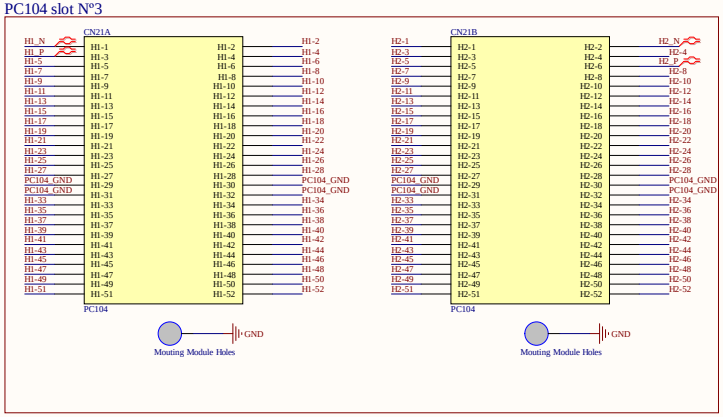
PC104 slot Nº1 (EPS)



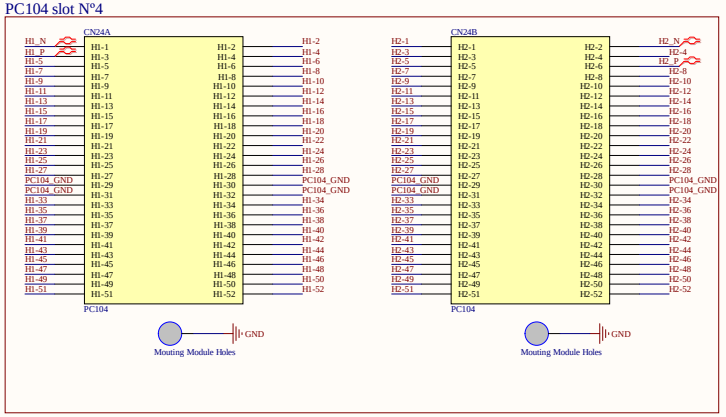
PC104 slot Nº2 (CAN bus tests)



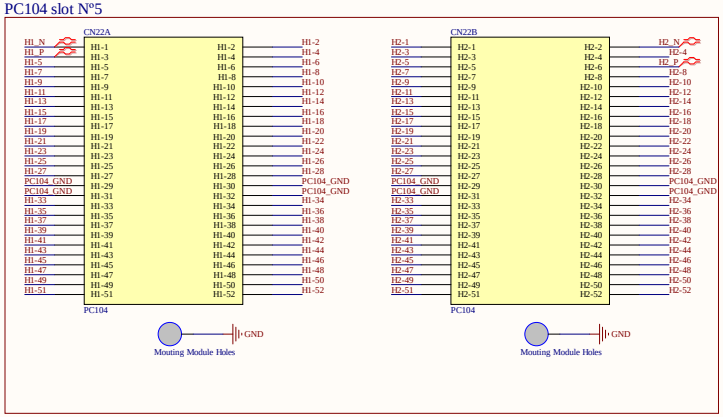
PC104 slot Nº3



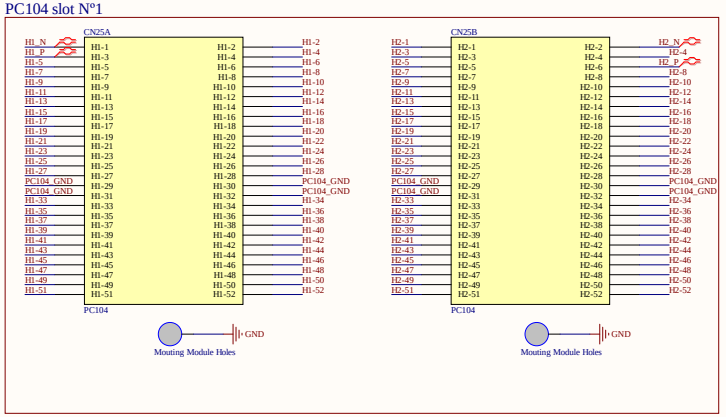
PC104 slot Nº4

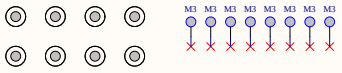


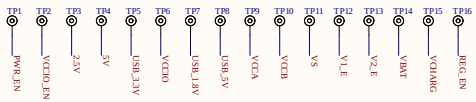
PC104 slot Nº5



PC104 slot Nº1







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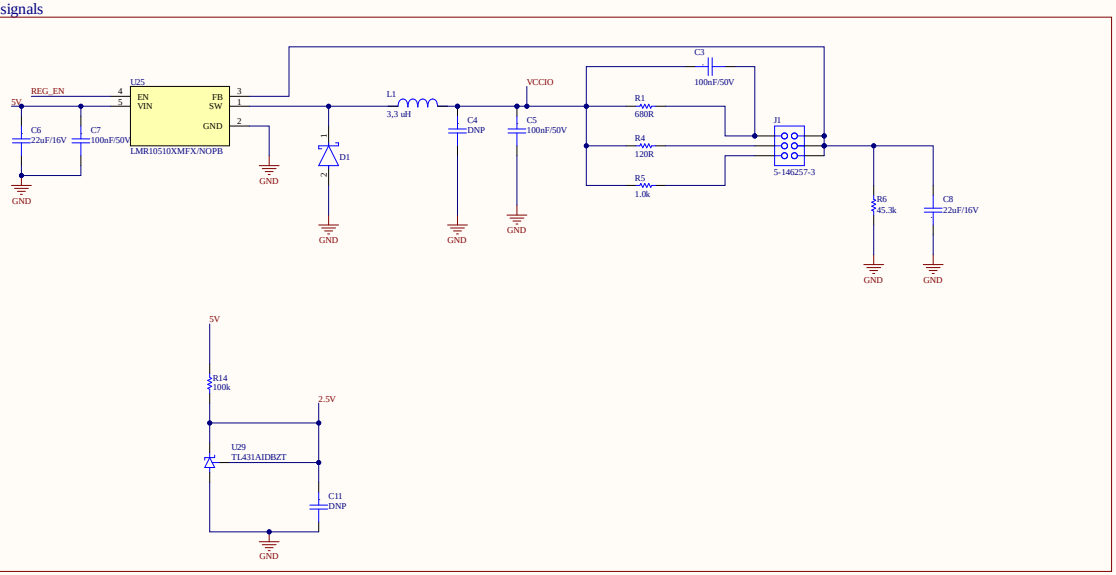
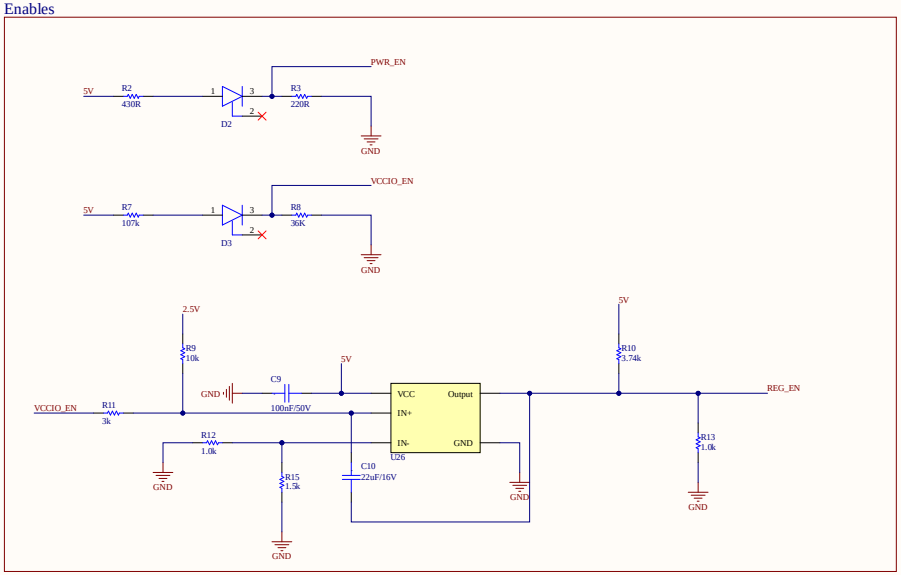
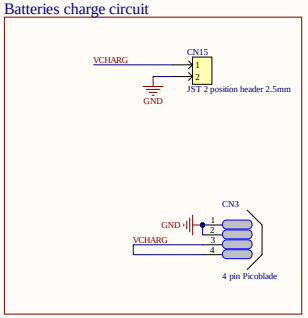
Reference signals



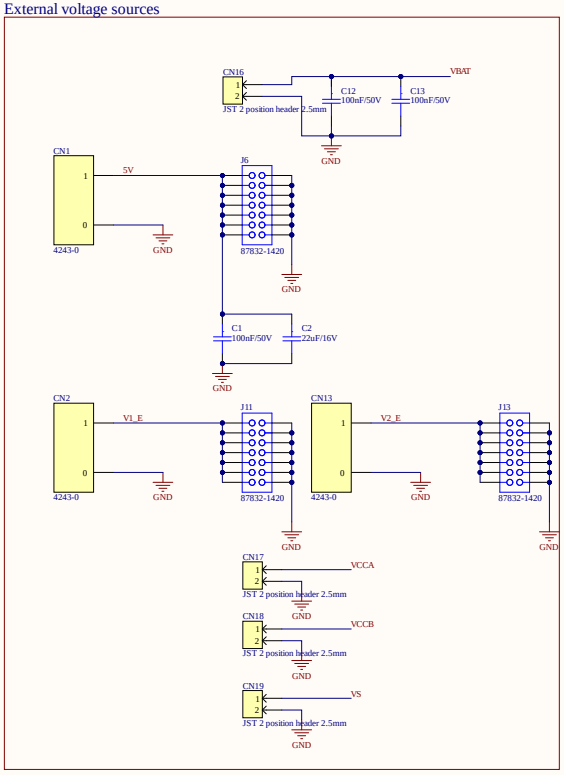
Enables



Batteries charge circuit



External voltage sources



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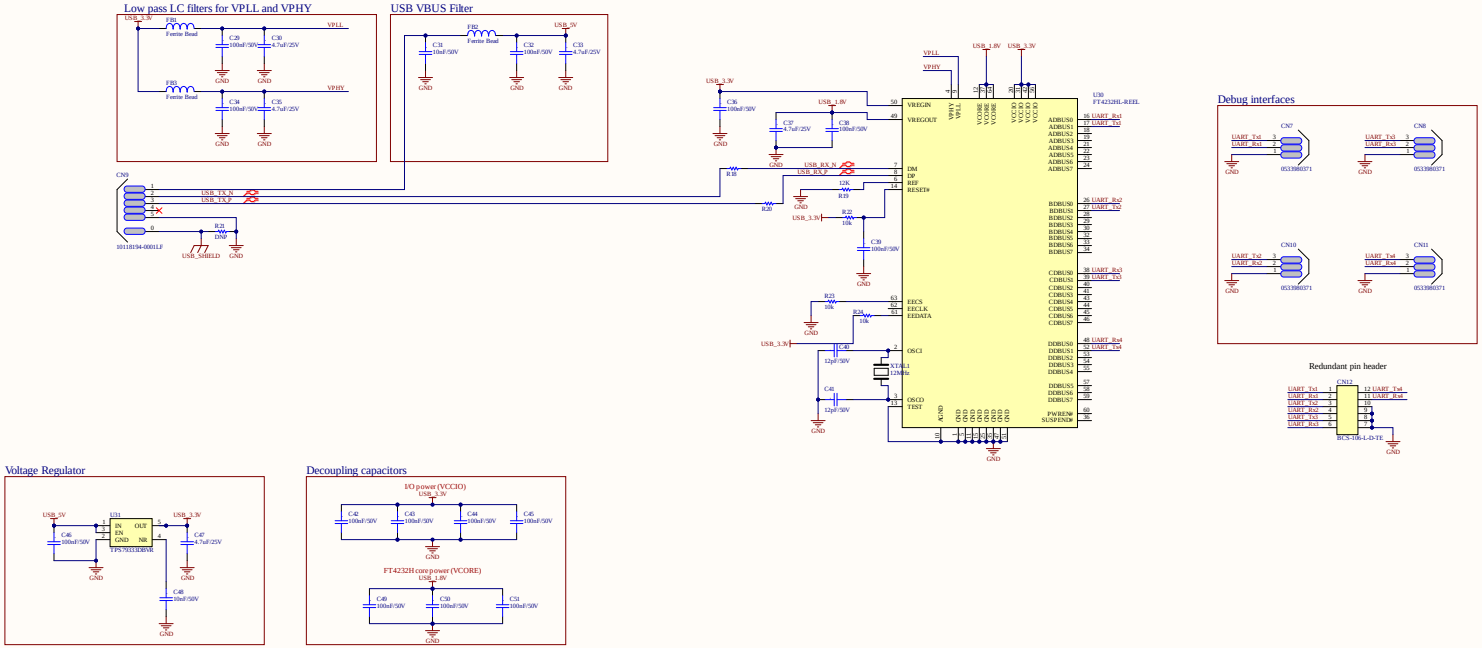

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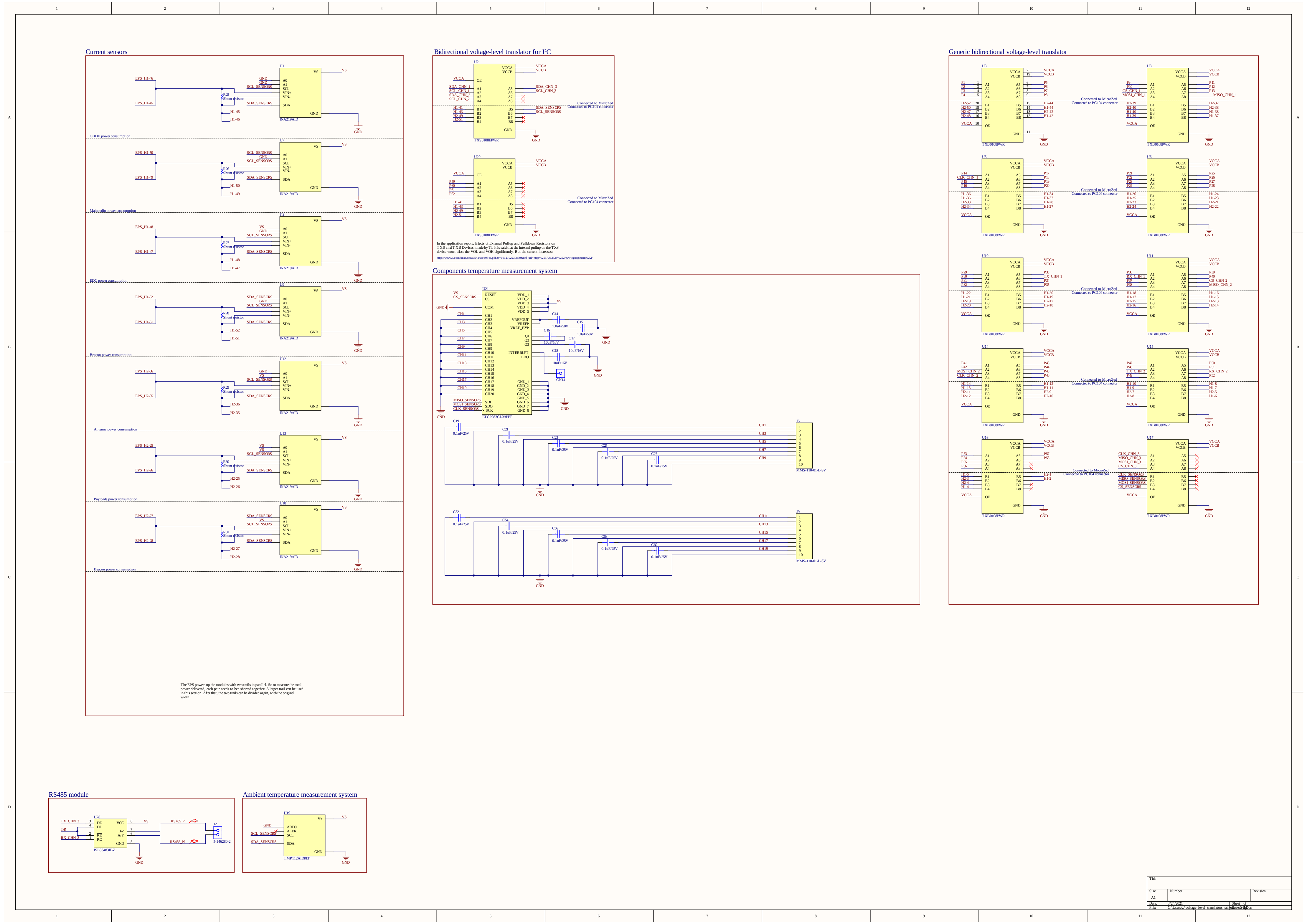

Current sensors
Bidirectional voltage-level translator for I²C
Generic bidirectional voltage-level translator
Components temperature measurement system
RS485 module
Ambient temperature measurement system
OBDH power consumption
Main radio power consumption
EDC power consumption
Beacon power consumption
Antenna power consumption
Payloads power consumption
Connected to MicroZed
Connected to PC104 connector
In the application report, Effects of External Pullup and Pulldown Resistors on TXS and TXB Devices, made by TI, it is said that the internal pullup on the TXS device won't affect the VOL and VOH significantly. But the current increases:
The EPS powers up the modules with two trails in parallel. So to measure the total power delivered, each pair needs to bee shorted together. A larger trail can be used in this section. After that, the two trails can be divided again, with the original width
INA219AID
TXS0108EPWR
TXB0108PWR
LTC2983CLX#PBF
MMS-110-01-L-SV
ISL83483IBZ
TMP112AIDRLT
Title
Size A1
Number
Revision
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File C:\Users\...\voltage_level_translators_sch...