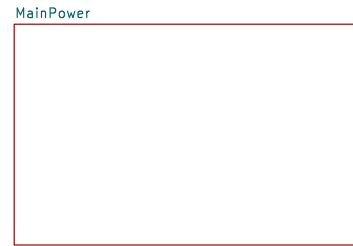


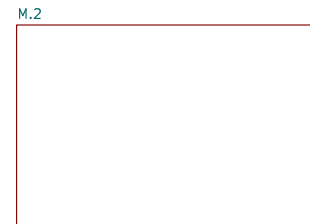
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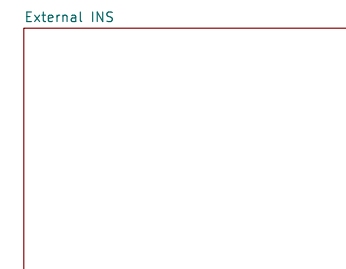
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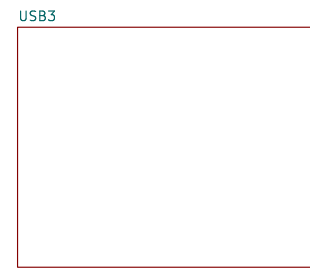
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File: M2.kicad\_sch



File: vectornav.kicad\_sch



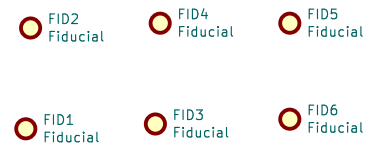
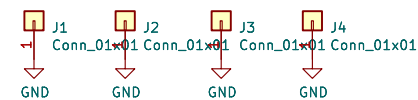
File: USB3.kicad\_sch

IMPORTANT: FOR USE WITH EchoPilot AI REV 1B OR NEWER

NOTES: REV1B ADDS SUPPORT FOR 4-LANE MIPI ON CAM0. ADDS POWER PROTECTION FOR THE MIPI PORTS. INCLUDES CHANGES TO PINOUT OF J5 TO SUPPORT 4-LANE MIPI. DROPS I2S AUDIO OUT SUPPORT.

REV1C REVERSES THE PINOUT FOR THE 22 PIN FFC (CAM0) TO MATCH COMMON RPI AND NVIDIA COMPATIBLE CAMERAS

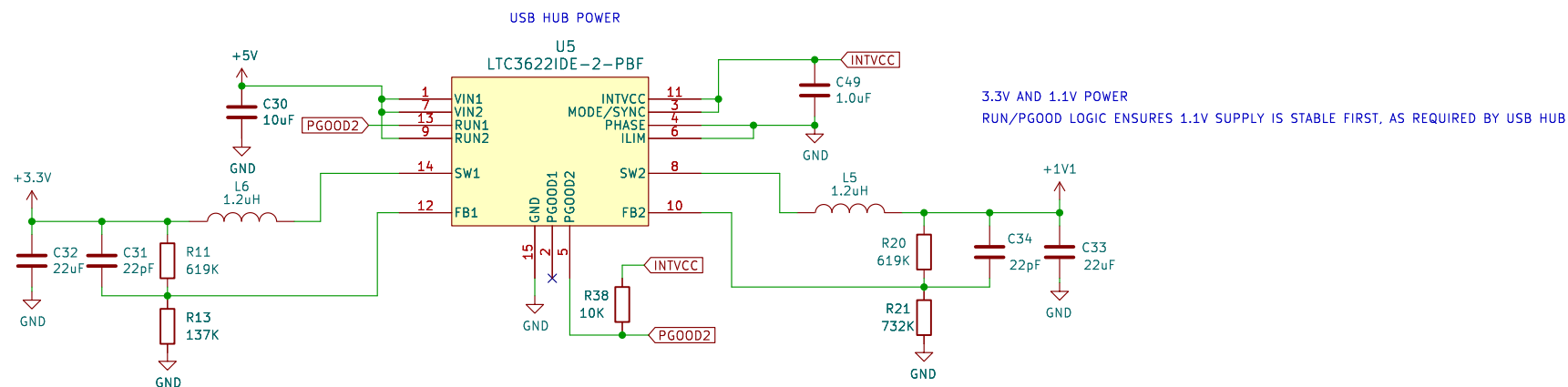
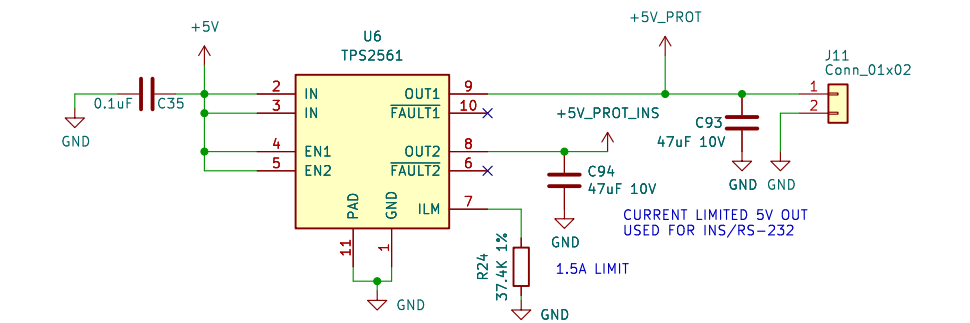
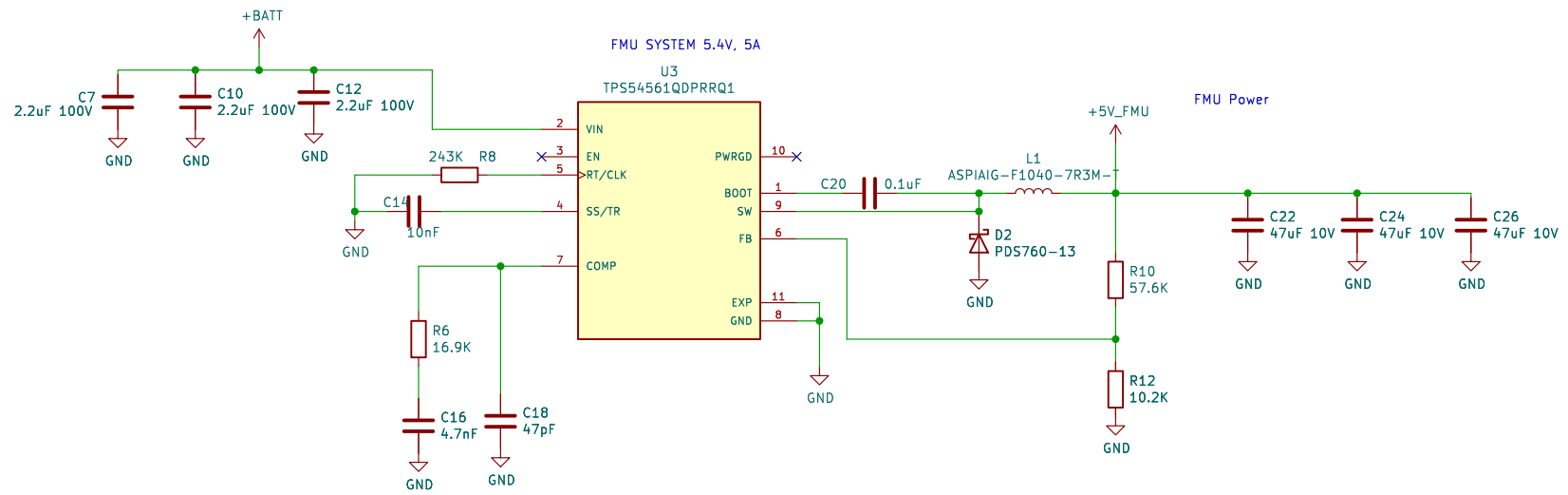
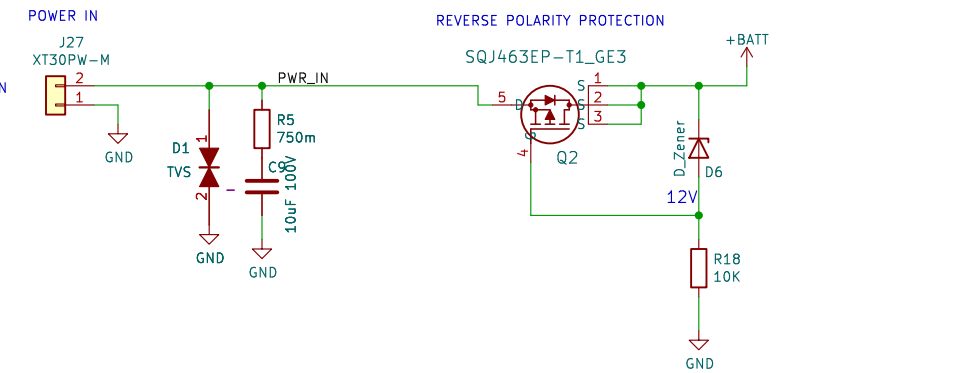
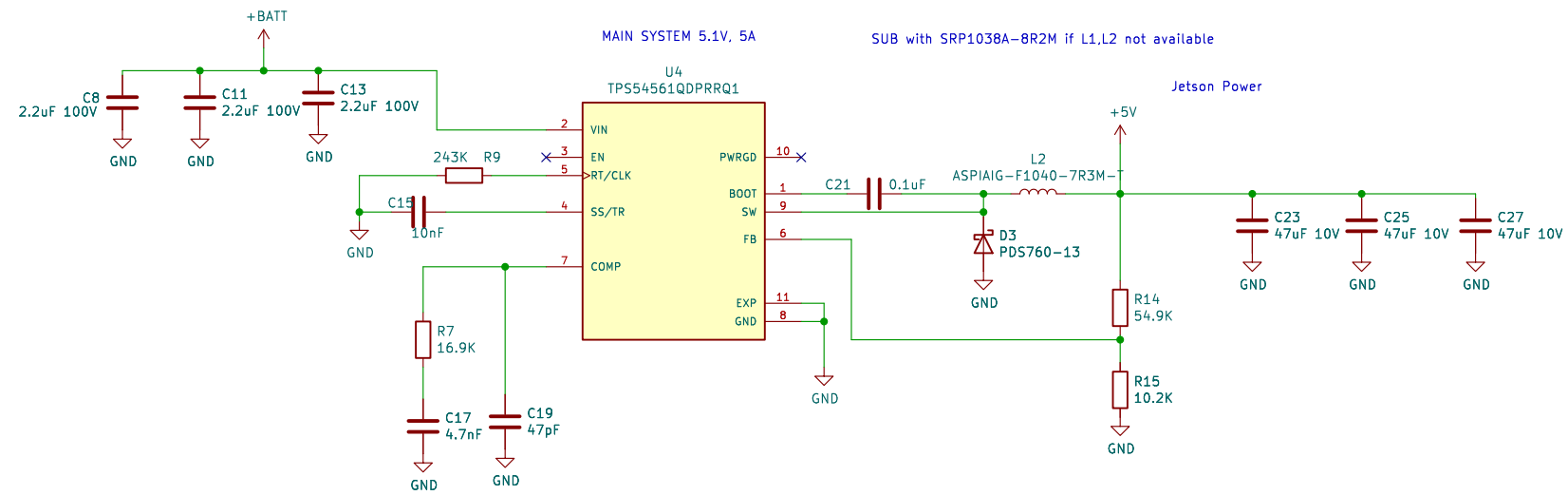
REV1D IS COMMISSIONED BY AUS DEPARTMENT OF DEFENCE. USB3 IS ROUTED TO A USB-C CONNECTOR AND TO IPEX SBX CONNECTOR. 4 LANE MIPI CAM ROUTED TO IPEX SBX CONNECTOR.



Checked: C. Shell  
Design: B. Stinson  
**Echo MAV, LLC**  
Sheet: /  
File: pixc4-jetson-universal-carrier.kicad\_sch



<b>Title: EchoPilot AI Carrier</b>	
Size: B	Date: 2024-05-16
KiCad E.D.A. kicad 7.0.10	Rev: 1D
	Id: 1/7



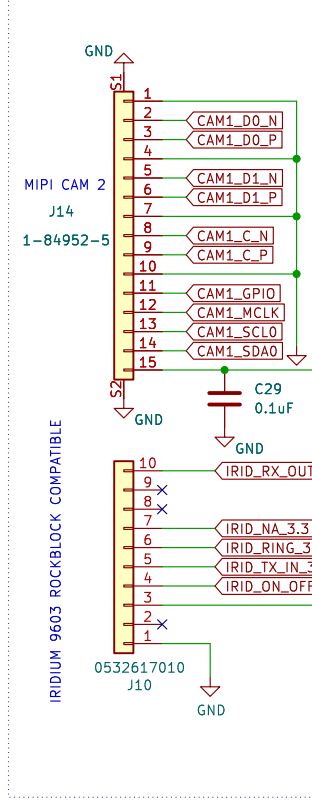
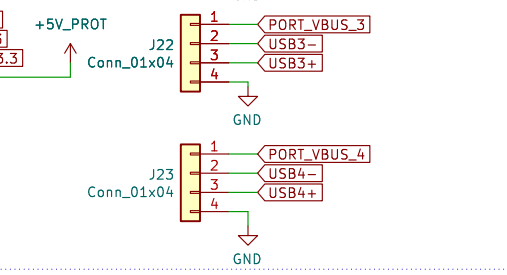
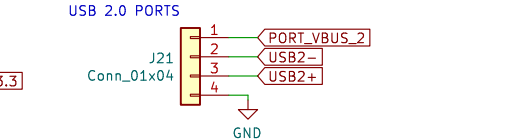
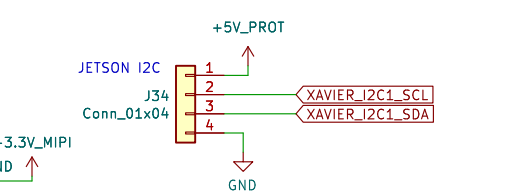
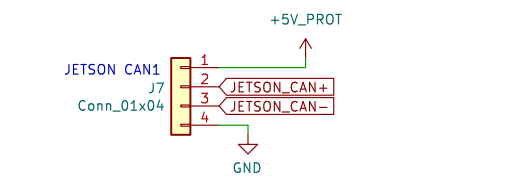
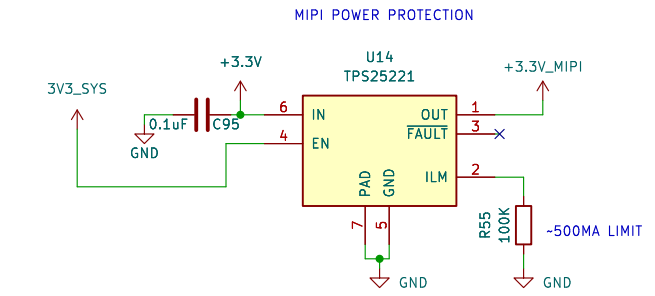
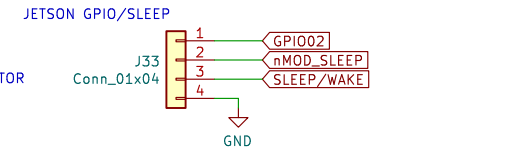
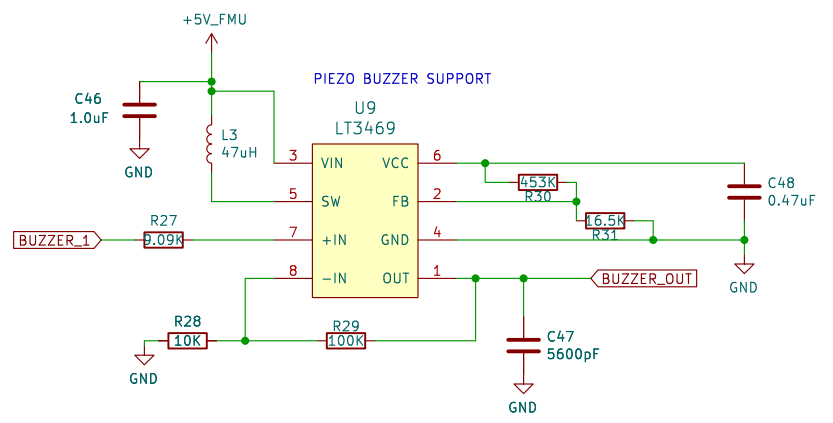
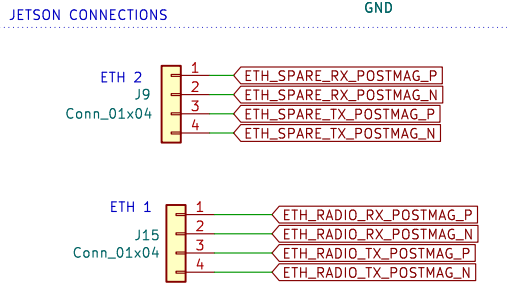
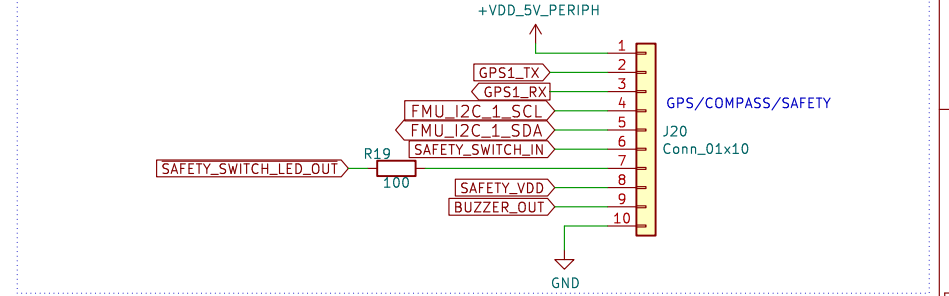
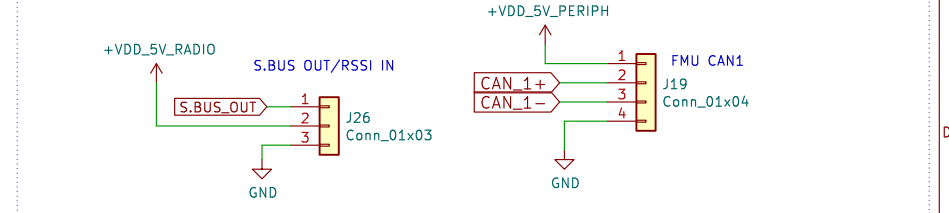
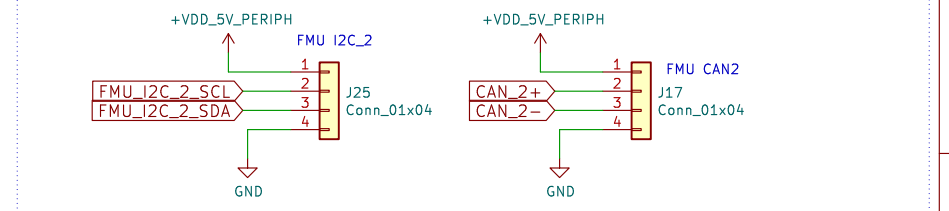
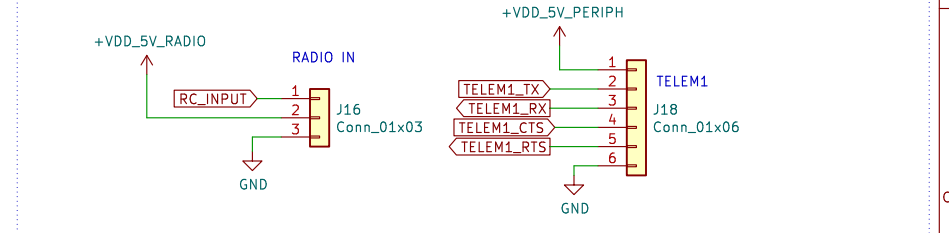
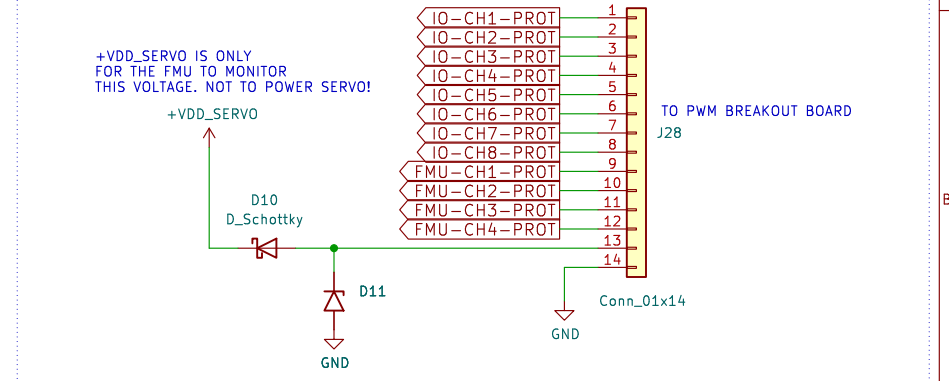
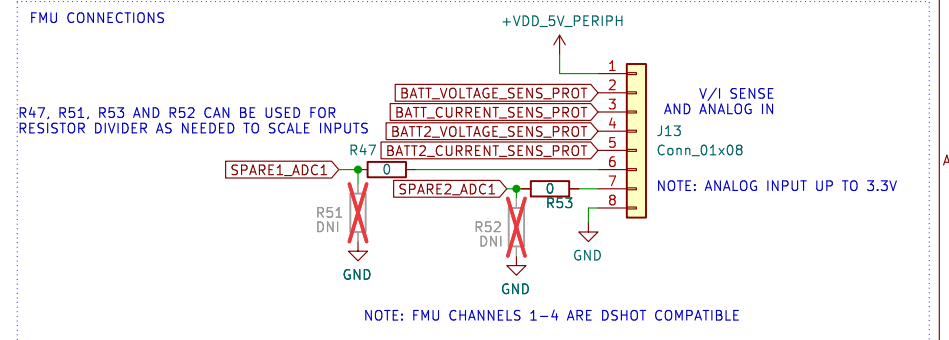
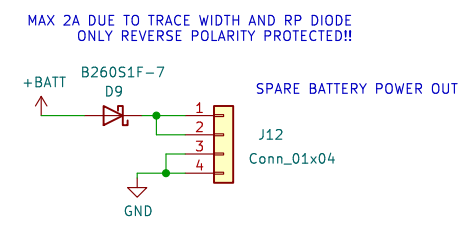
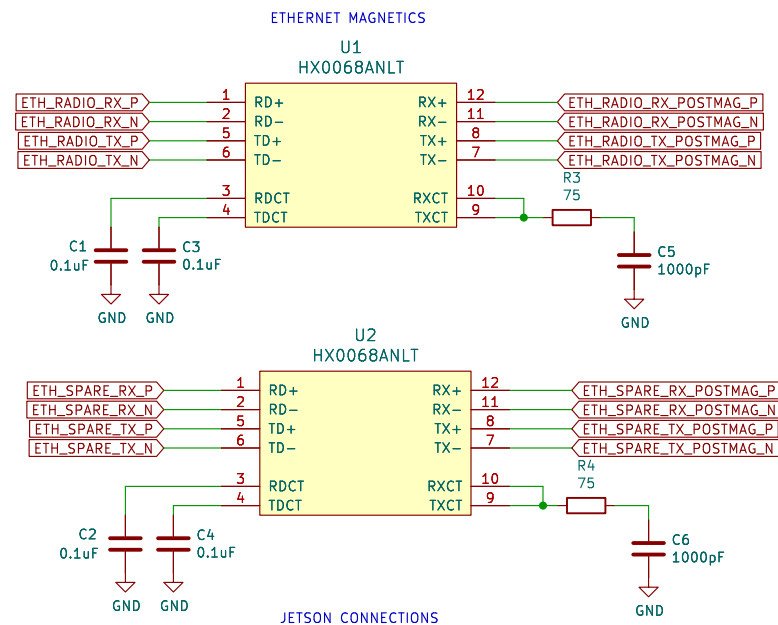
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 Design: B. Stinson  
 Echo MAV, LLC  
 Sheet: /MainPower/  
 File: MainPower.kicad\_sch



**Title: EchoPilot AI Carrier**

Size: B Date: 2024-05-16  
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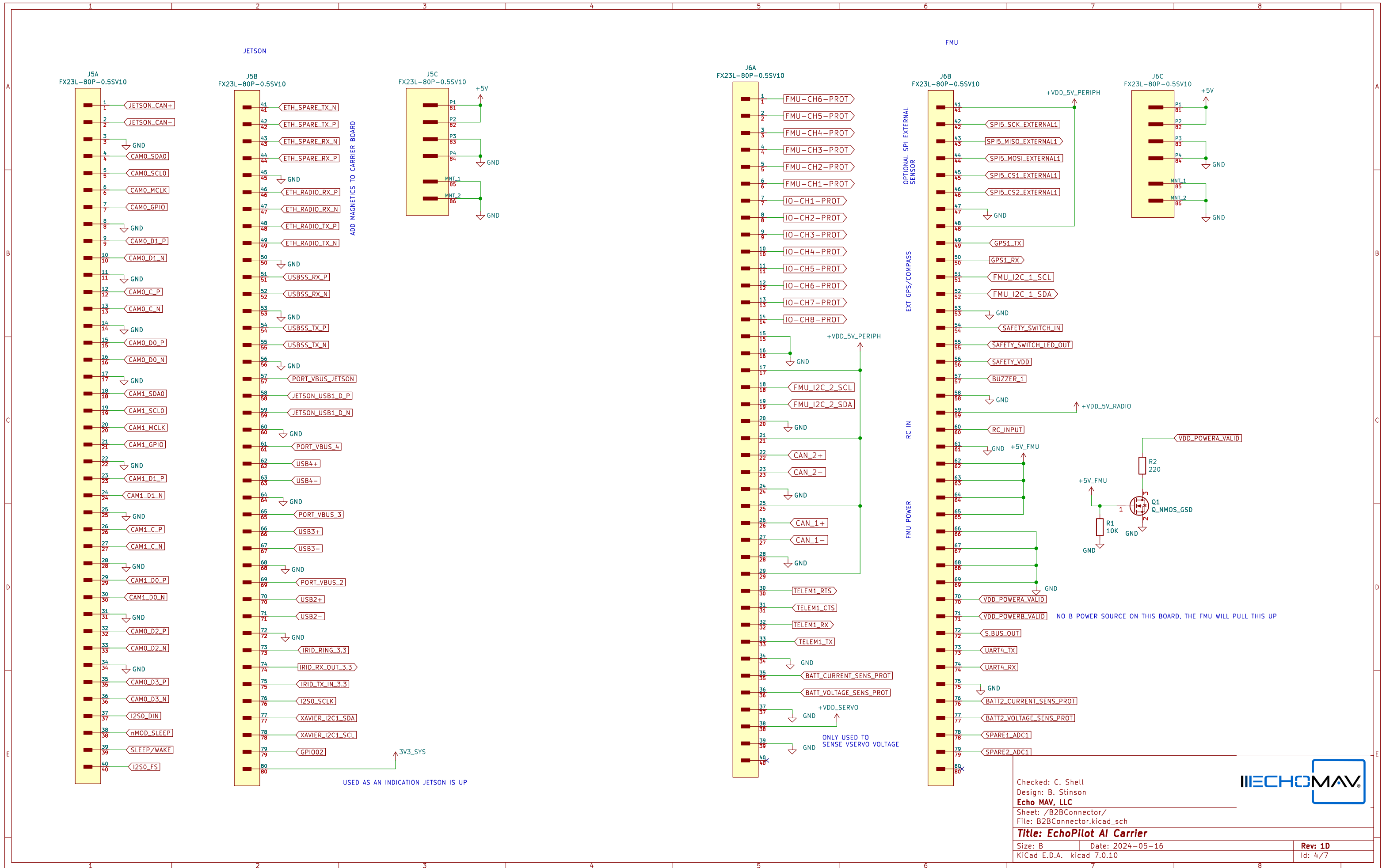


NOTE: MIPI CAM 1 MOVED TO IPEX CONNECTOR SEE USB SCHEMATIC PAGE

3V3\_SYS ACTS AS AN ENABLE, LETTING US KNOW THE JETSON IS ON

Checked: C. Shell  
Design: B. Stinson  
ECHO MAV, LLC  
Sheet: /Connectors/  
File: Connectors.kicad\_sch





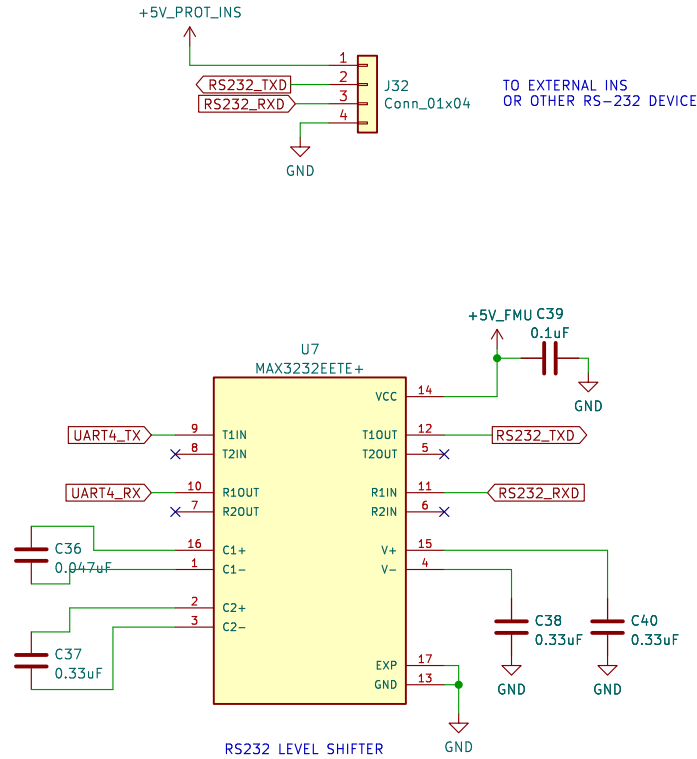
USED AS AN INDICATION JETSON IS UP

Checked: C. Shell  
 Design: B. Stinson  
**Echo MAV, LLC**  
 Sheet: /B2BConnector/  
 File: B2BConnector.kicad\_sch



**Title: EchoPilot AI Carrier**  
 Size: B Date: 2024-05-16 Rev: 1D  
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PER R1, ONLY EXTERNAL INS ARE SUPPORTED VIA J32. E.G. VECTORNAV VN-100, 200, 300, 110, 210, 310  
 CUSTOM CABLE SOLUTIONS WILL BE REQUIRED

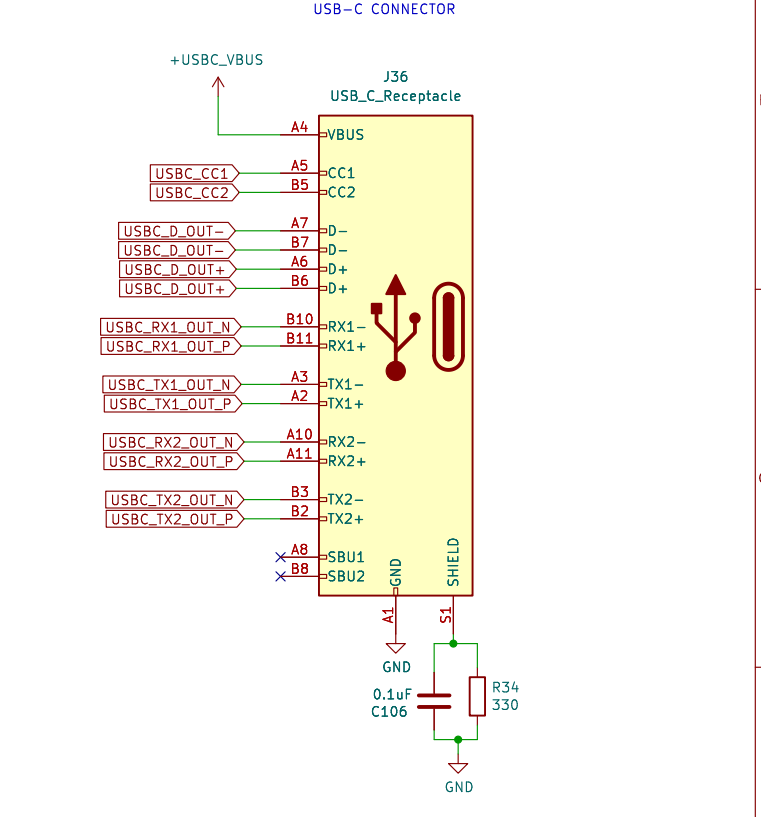
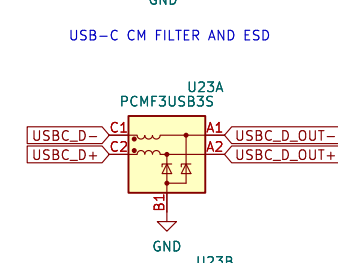
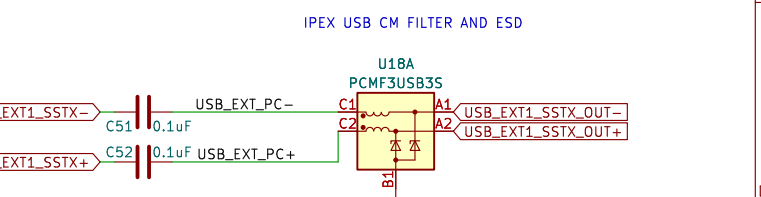
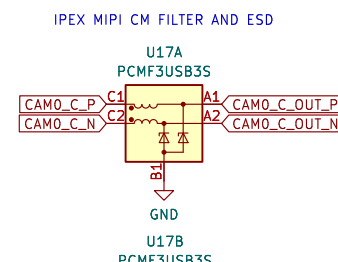
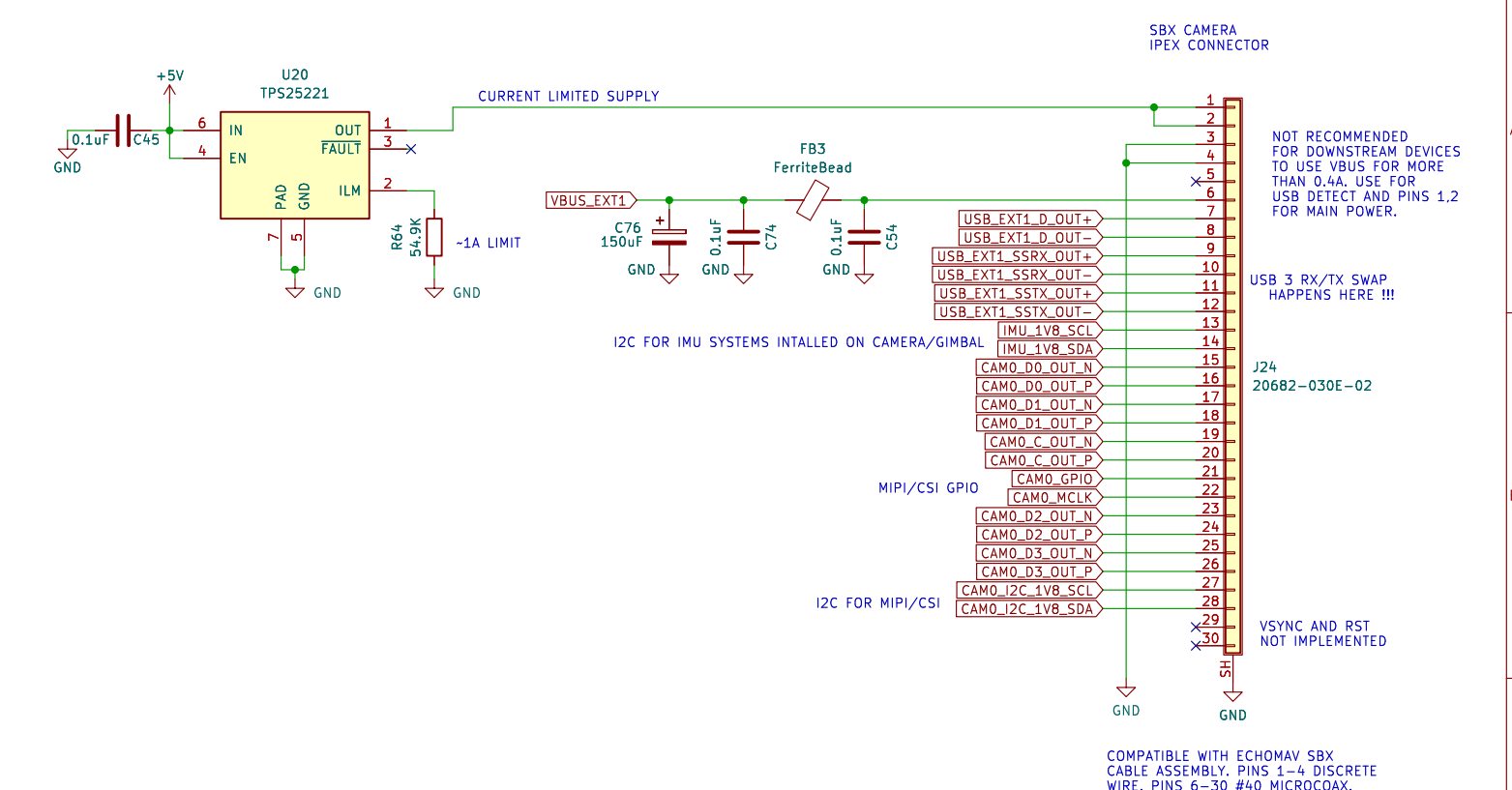
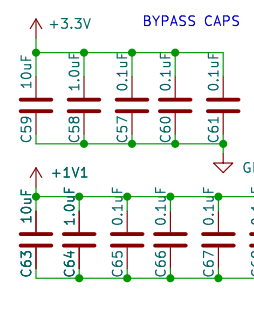
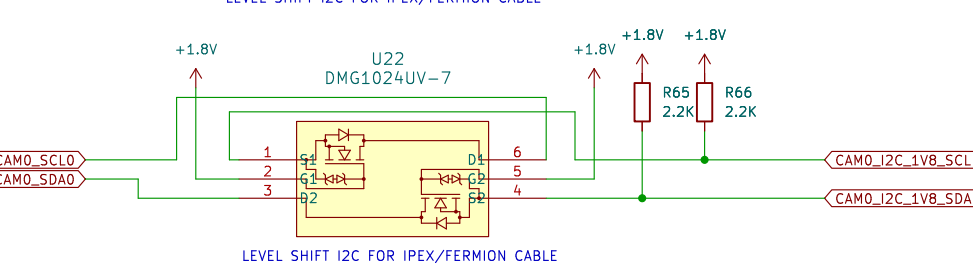
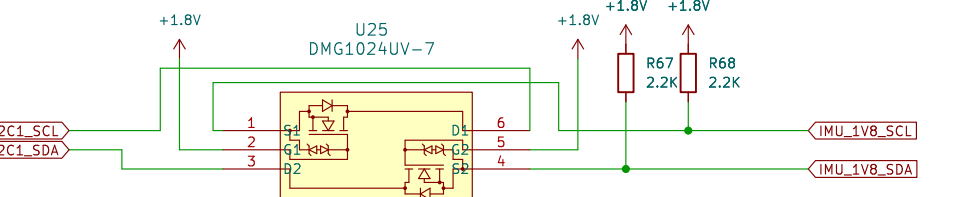
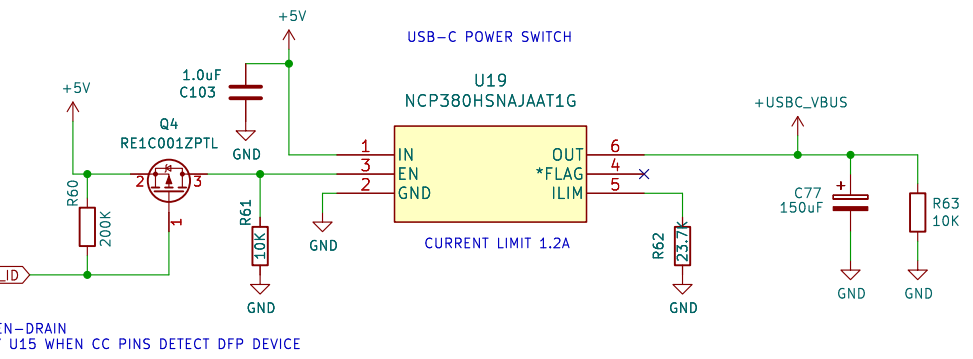
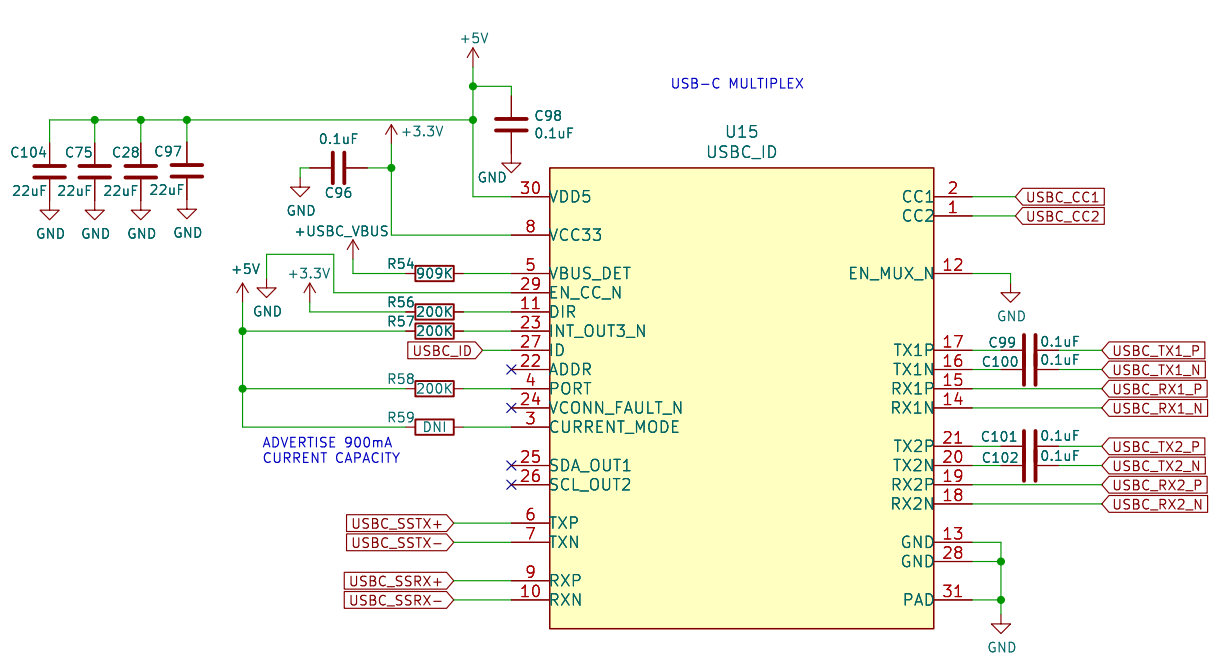
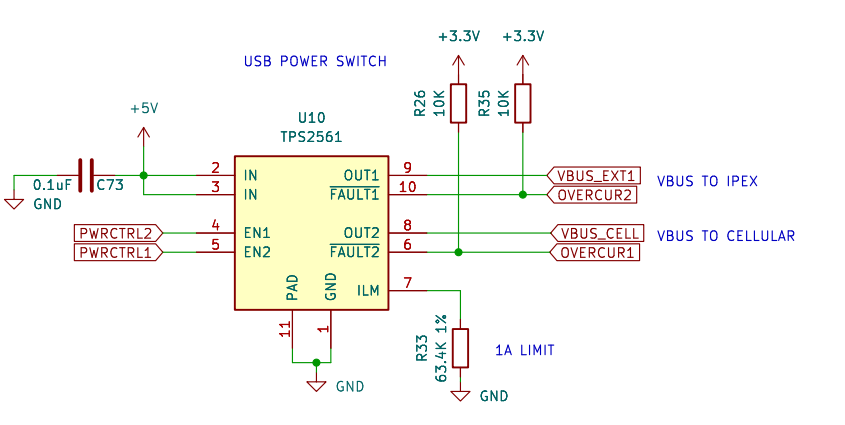
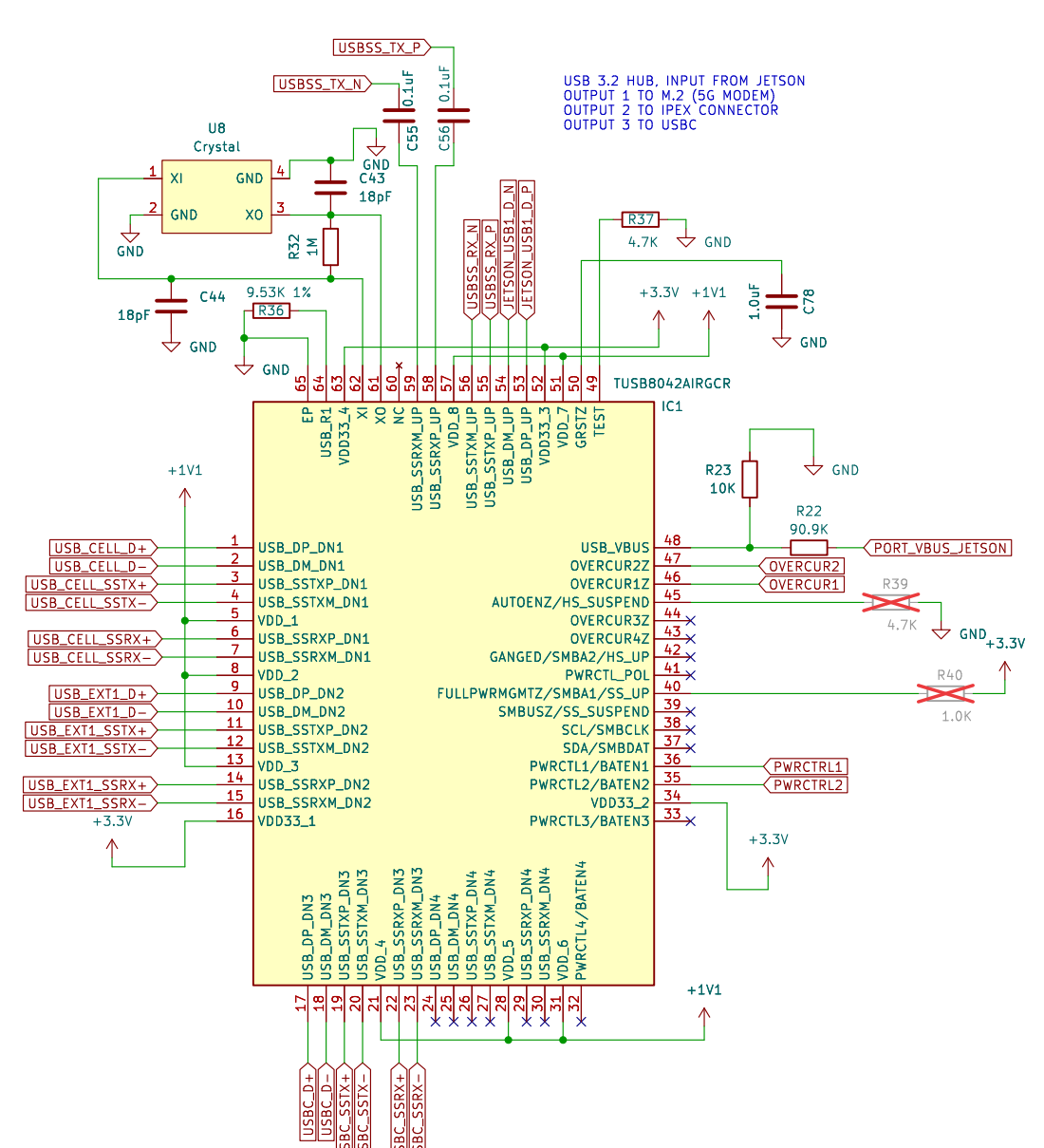


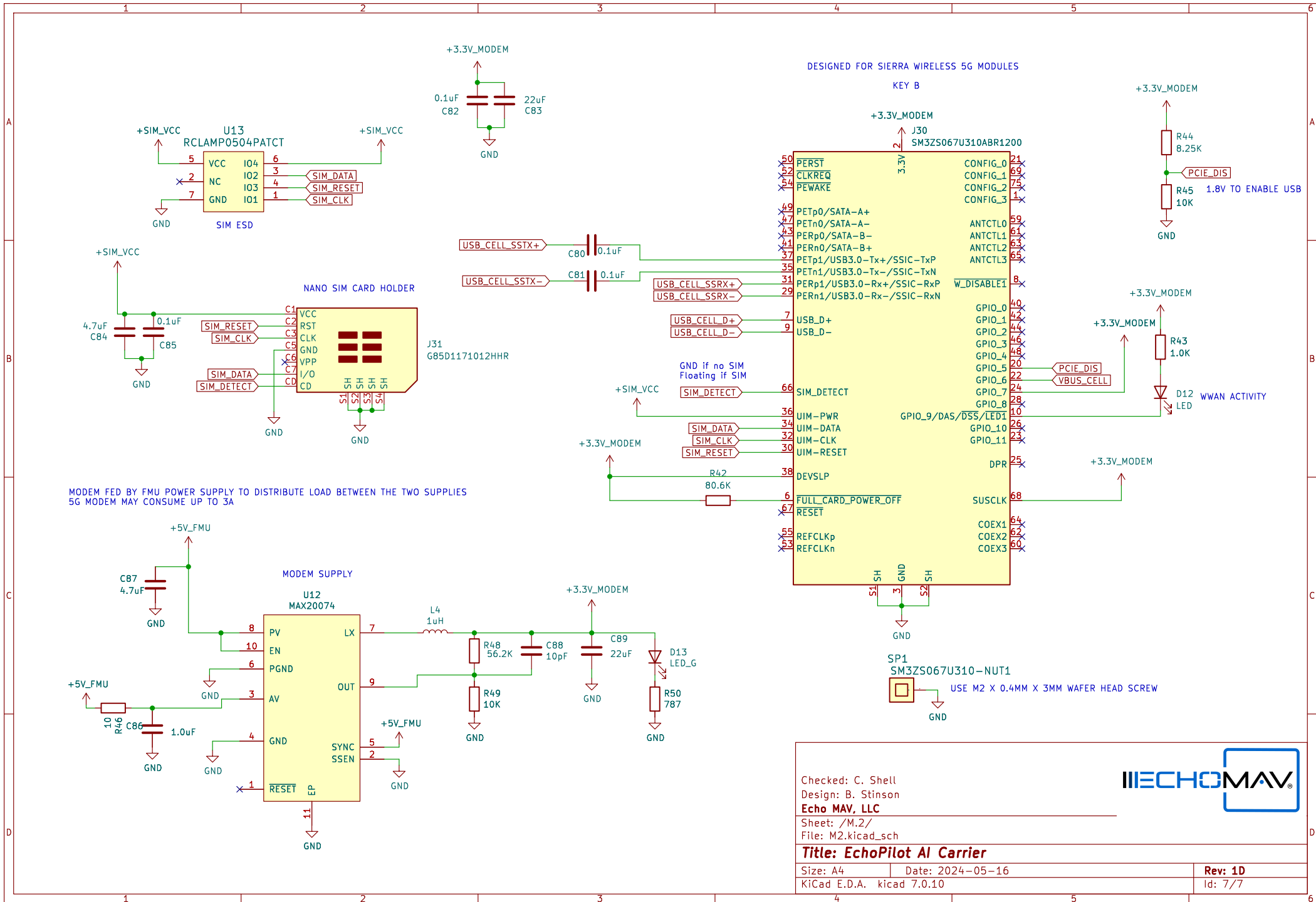
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 Design: B. Stinson  
**Echo MAV, LLC**  
 Sheet: /External INS/  
 File: vectornav.kicad\_sch



**Title: EchoPilot AI Carrier**

Size: A4	Date: 2024-05-16	Rev: 1D
KiCad E.D.A. kicad 7.0.10		Id: 5/7





Checked: C. Shell  
 Design: B. Stinson  
**Echo MAV, LLC**  
 Sheet: /M.2/  
 File: M2.kicad\_sch



<b>Title: EchoPilot AI Carrier</b>	
Size: A4	Date: 2024-05-16
KiCad E.D.A. kicad 7.0.10	Rev: 1D
	Id: 7/7