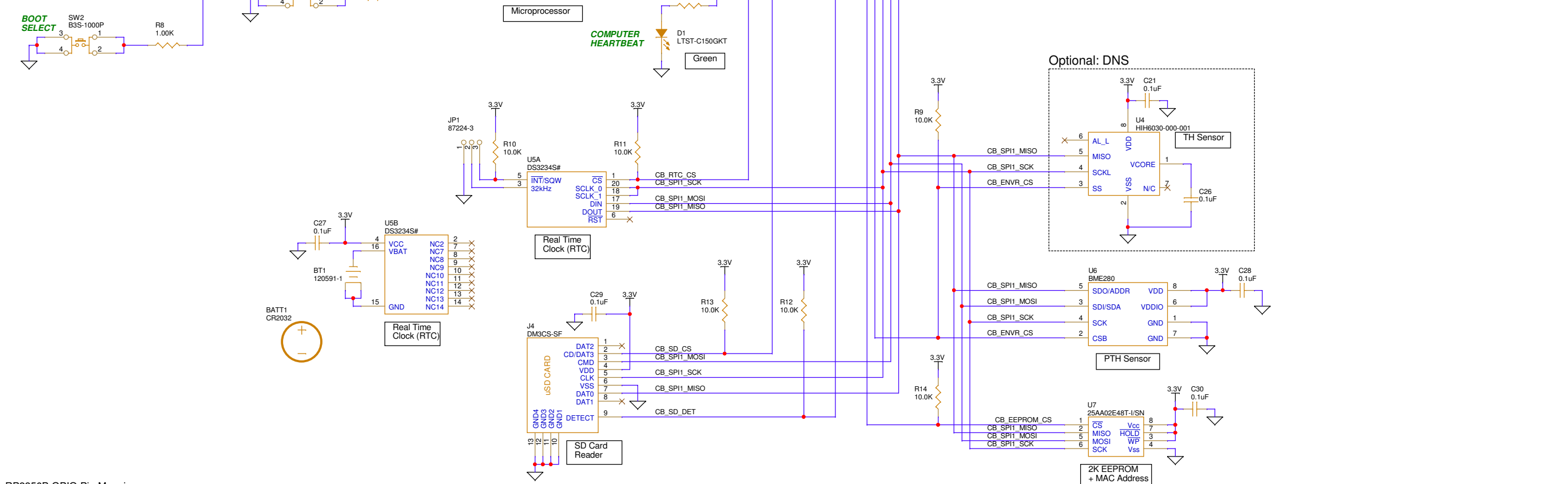
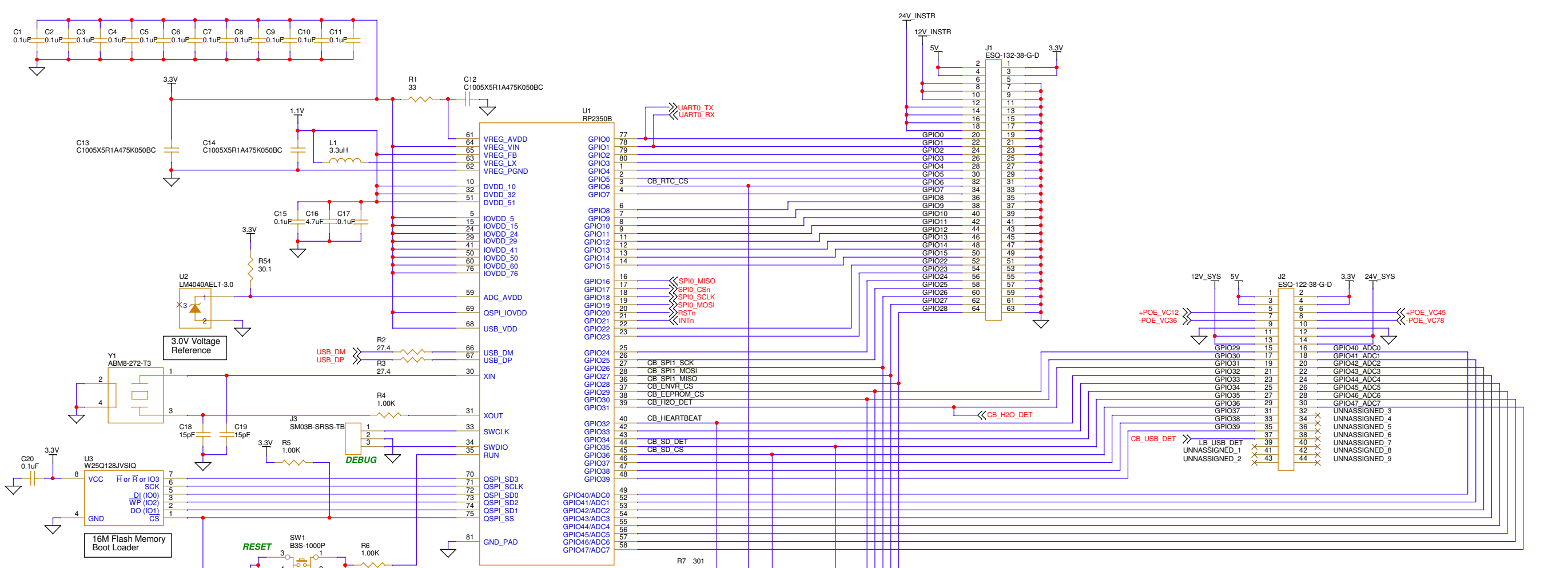




RP2350B GPIO Pin Mapping

0 UART0 TX	10 GPIO10	20 GPIO20	30 GPIO30	40 GPIO40/ADC0
1 UART0 RX	11 GPIO11	21 GPIO21	31 GPIO31	41 GPIO41/ADC1
2 I2C1 SDA	12 GPIO12	22 GPIO22	32 GPIO32	42 GPIO42/ADC2
3 I2C1 SCL	13 GPIO13	23 GPIO23	33 GPIO33	43 GPIO43/ADC3
4 UART1 TX	14 GPIO14	24 GPIO24	34 GPIO34	44 GPIO44/ADC4
5 UART1 RX	15 GPIO15	25 GPIO25	35 GPIO35	45 GPIO45/ADC5
6 GPIO6	16 SPI0 RX	26 SPI1 SCK	36 GPIO36	46 GPIO46/ADC6
7 GPIO7	17 SPI0 CSn	27 SPI1 TX	37 GPIO37	47 GPIO47/ADC7
8 GPIO8	18 SPI0 SCK	28 SPI1 RX	38 GPIO38	
9 GPIO9	19 SPI0 TX	29 SPI1 CSn	39 GPIO39	

DM3CS-SF SPI Mode

1 x
2 CS
3 MOSI
4 Vdd
5 SCK
6 Vss
7 MISO
8 x
9 DET

Optional: DNS

TH Sensor

PTH Sensor

2K EEPROM + MAC Address

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Schematic Name:
GOB Computer Board

Page Title:
01 - RP2350B & Digital Circuits

Project Name:
Seafloor Mapping

System:
<System>

Release: A
Version: 15
Check In Date: 4/7/2025 10:48:19 AM

Engineer:
Chad Key

Designer:
James McClure

Last Updated By:
cckey

Status:
Active

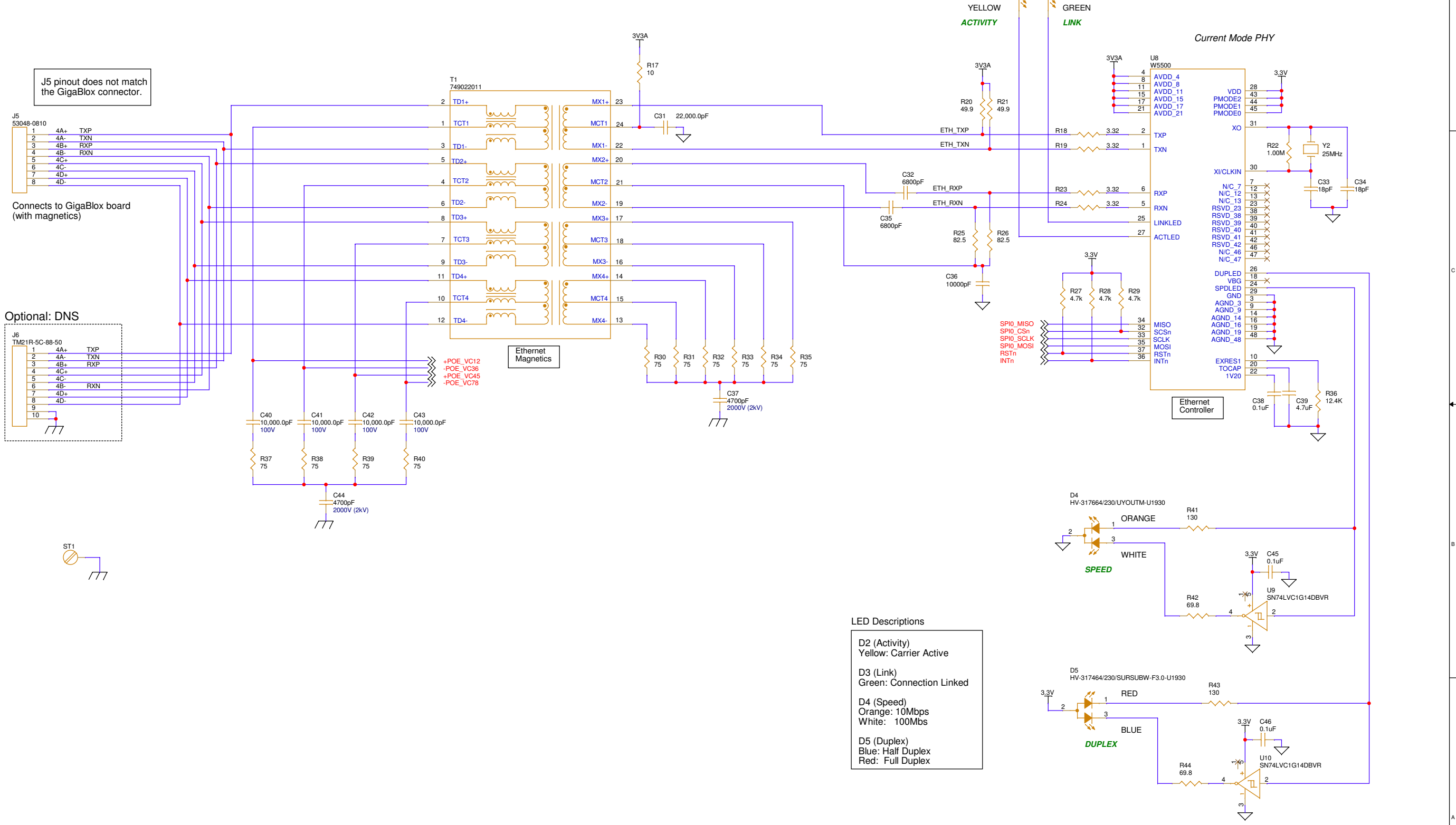
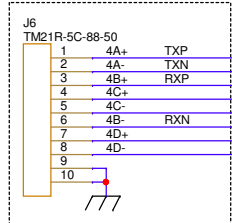
Size:
C

Sheet 1 of 3

J5 pinout does not match the GigaBlox connector.

Connects to GigaBlox board (with magnetics)

Optional: DNS



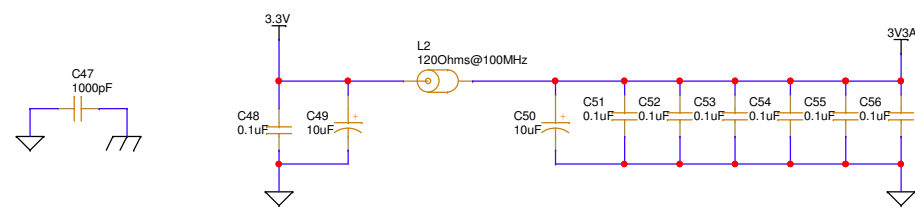
LED Descriptions

D2 (Activity)
Yellow: Carrier Active

D3 (Link)
Green: Connection Linked

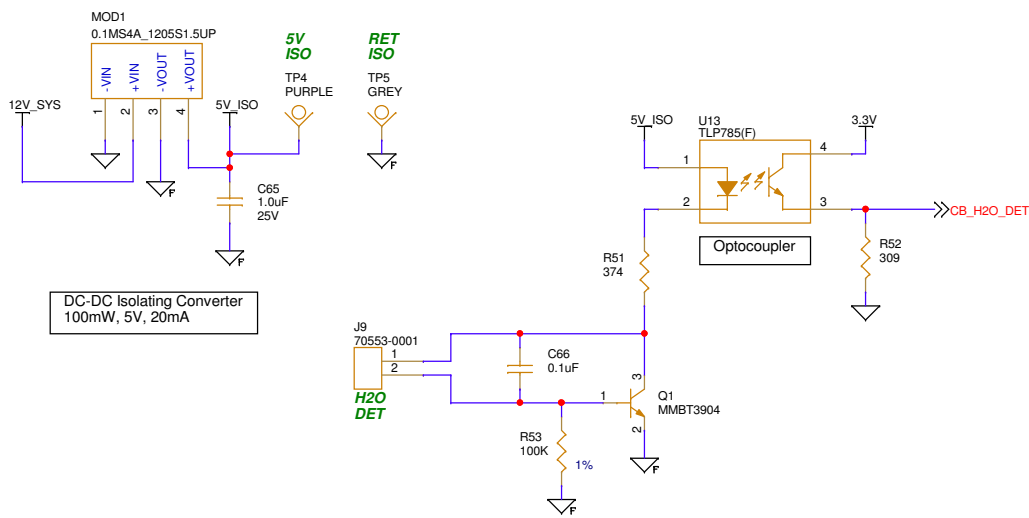
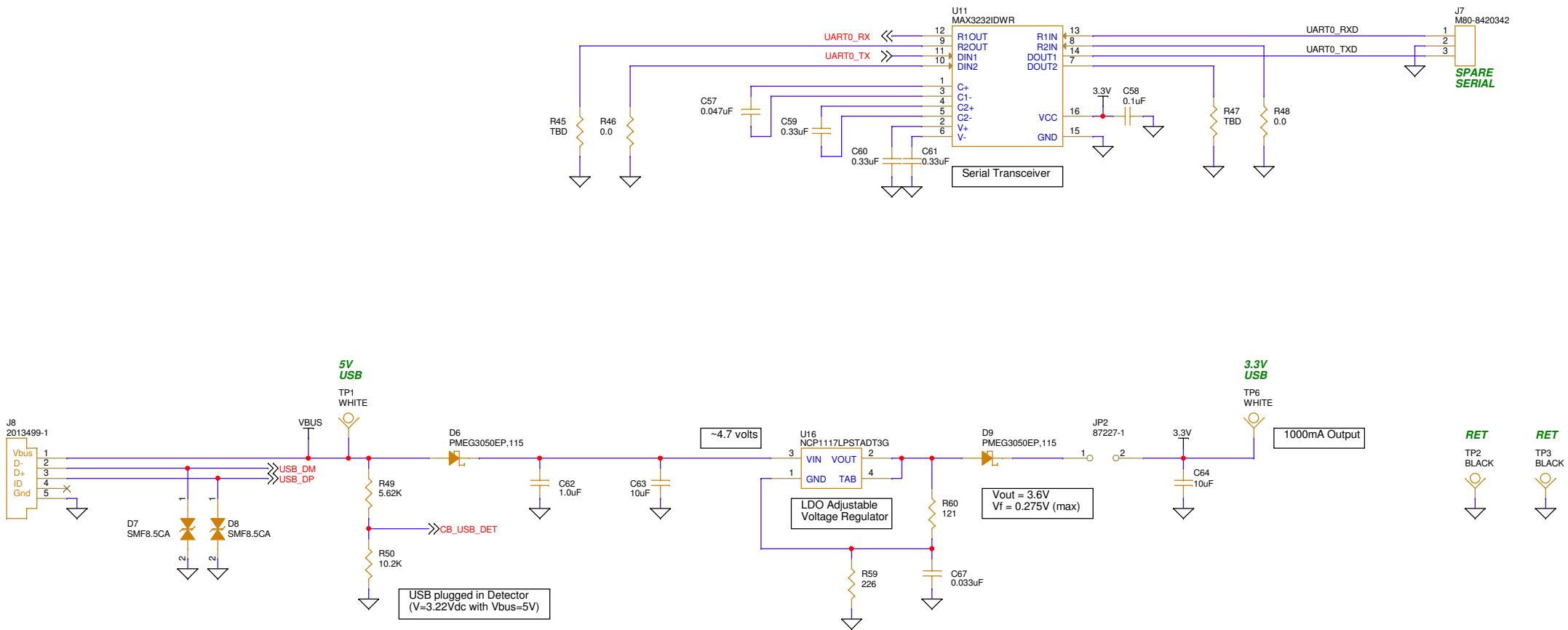
D4 (Speed)
Orange: 10Mbps
White: 100Mbps

D5 (Duplex)
Blue: Half Duplex
Red: Full Duplex



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Schematic Name: GOB Computer Board			
Page Title: 02 - Ethernet Interface		Engineer: Chad Key	
Project Name: Seafloor Mapping	Group Name: OceanImagingLASSROV	Designer: James McClure	
System: <System>	Subsystem: <Subsystem>	Last Updated By: ckecy	
Drawing Number: 100222368	Release: A	Version: 15	Status: Active
Page Modify Date: Monday, April 01, 2008	Check In Date: 4/7/2008 10:48:19 AM	Size: C	
		Sheet 2 of 3	





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7700 Sandholdt Road, Moss Landing, CA 95039

Schematic Name: GOB Computer Board			
Page Title: 03 - Auxiliary Circuits		Engineer: Chad Key	
Project Name: Seafloor Mapping	Group Name: OceanImagingLASSROV	Designer: James McClure	
System: <System>	Subsystem: <Subsystem>	Last Updated By: ckecy	
Drawing Number: 100222366	Release: A	Version: 15	Status: Active
Page Modify Date: Monday, April 01, 2025	Check In Date: 4/7/2025 10:48:19 AM	Sheet 3 of 3	
		Size: C	