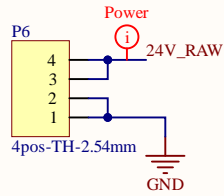
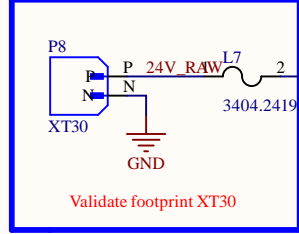
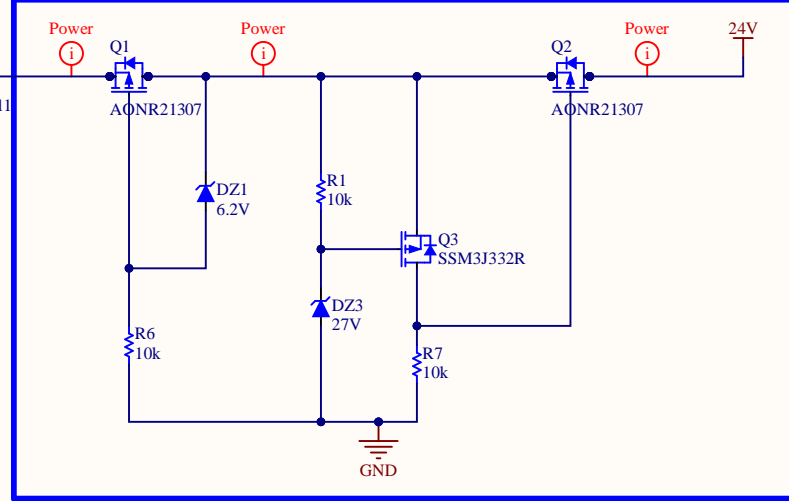


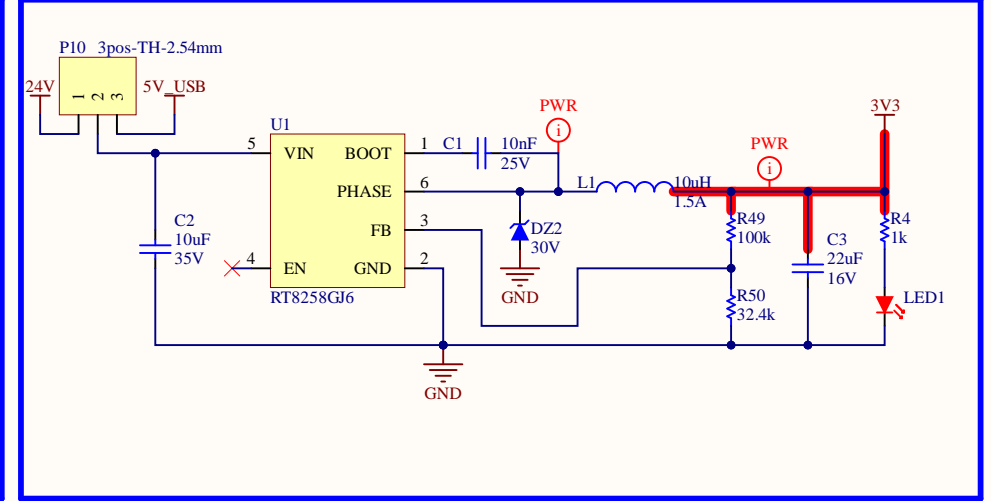
Power Input



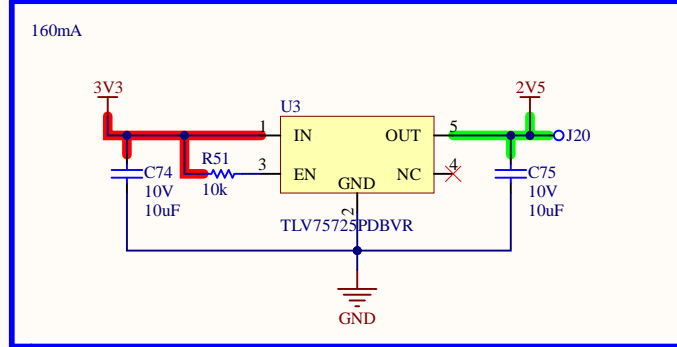
Reverse & OverVoltage Protection



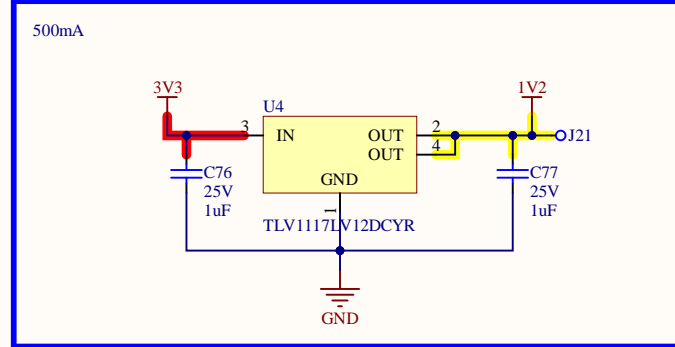
DCDC 5V



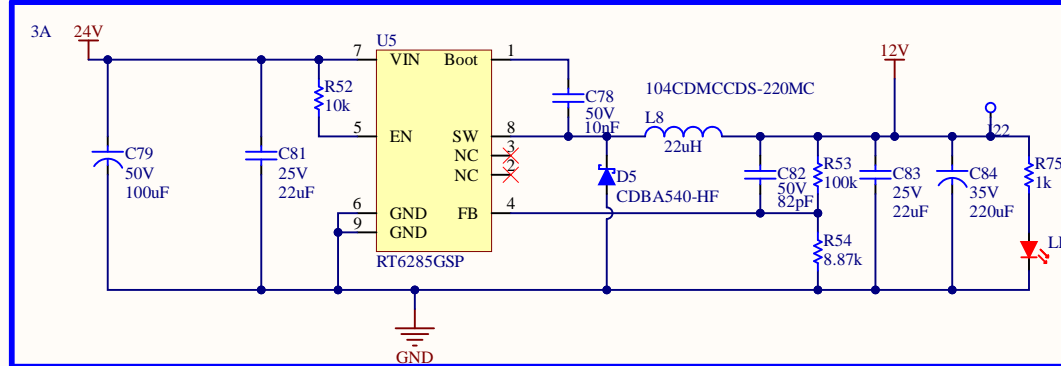
LDO 2V5



LDO 1V2



DCDC 12V



The output voltage is set by an external resistive divider according to the following equation:

$$V_{OUT} = V_{REF} \left(1 + \frac{R1}{R2} \right)$$
 Where V_{REF} is the reference voltage (1.220V typ.).
 Where $R1 = 100k\Omega$.

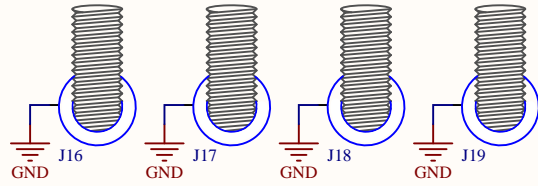
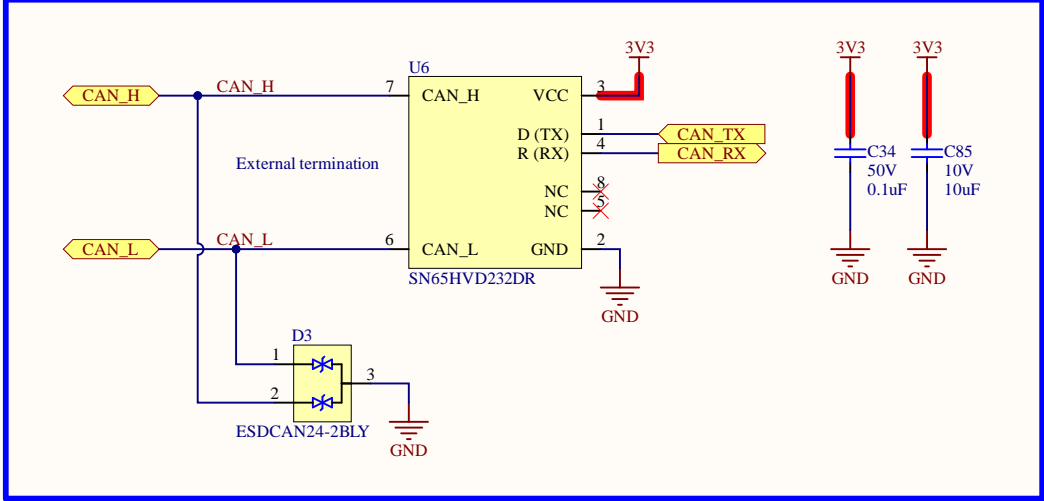


Title: roverSwitch.PrjPcb

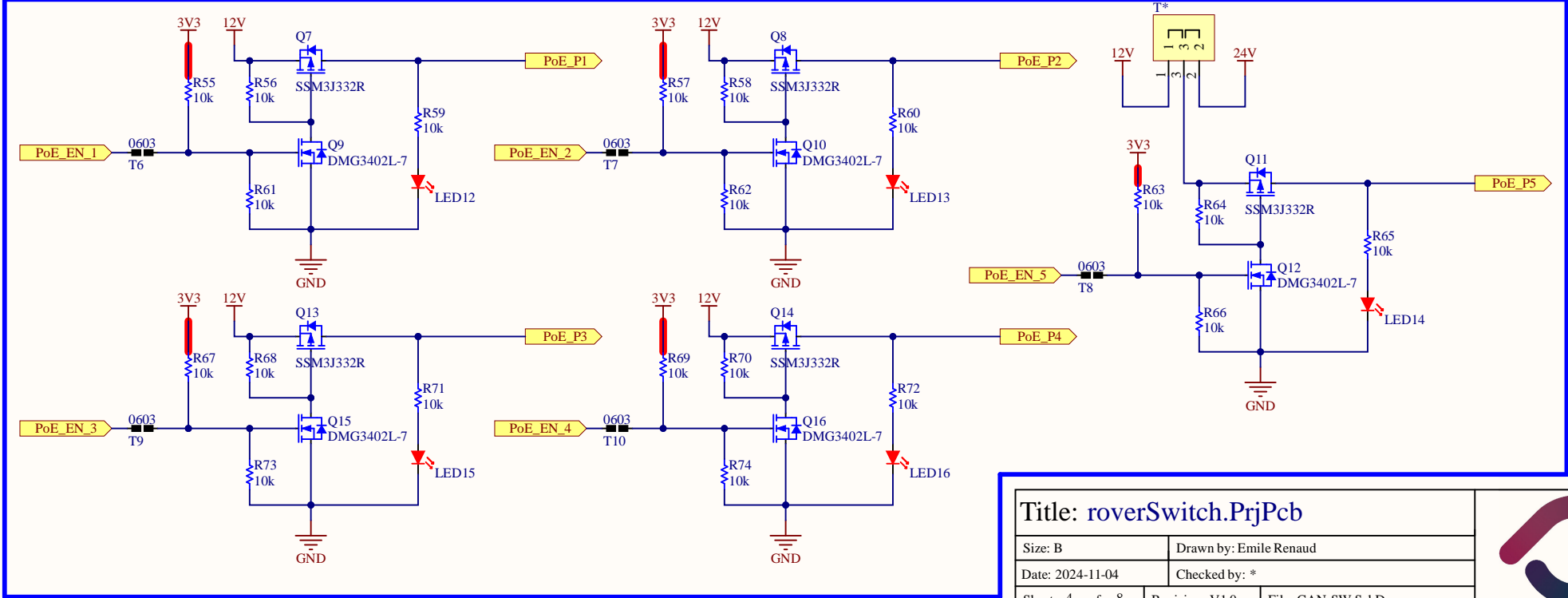
Size: B	Drawn by: Emile Renaud
Date: 2024-11-03	Checked by: *
Sheet 2 of 8	Revision: V1.0
	File: Power.SchDoc



CAN



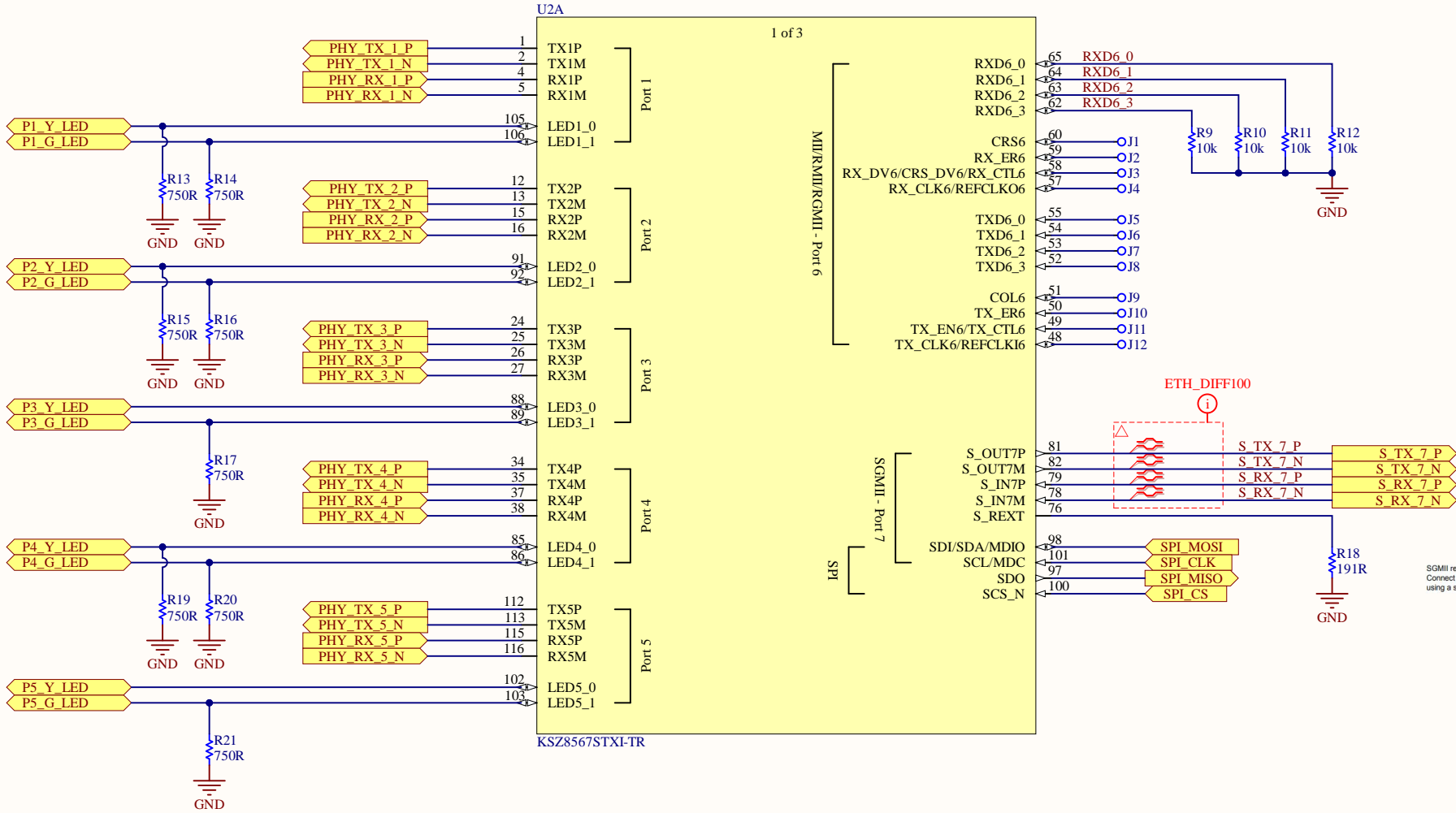
High-Side PoE Switch



Title: roverSwitch.PrjPcb		
Size: B	Drawn by: Emile Renaud	
Date: 2024-11-04	Checked by: *	
Sheet 4 of 8	Revision: V1.0	File: CAN-SW.SchDoc



Ethernet IC - Ports



Title: roverSwitch.PrjPcb

Size: B

Drawn by: Emile Renaud

Date: 2024-10-31

Checked by: *

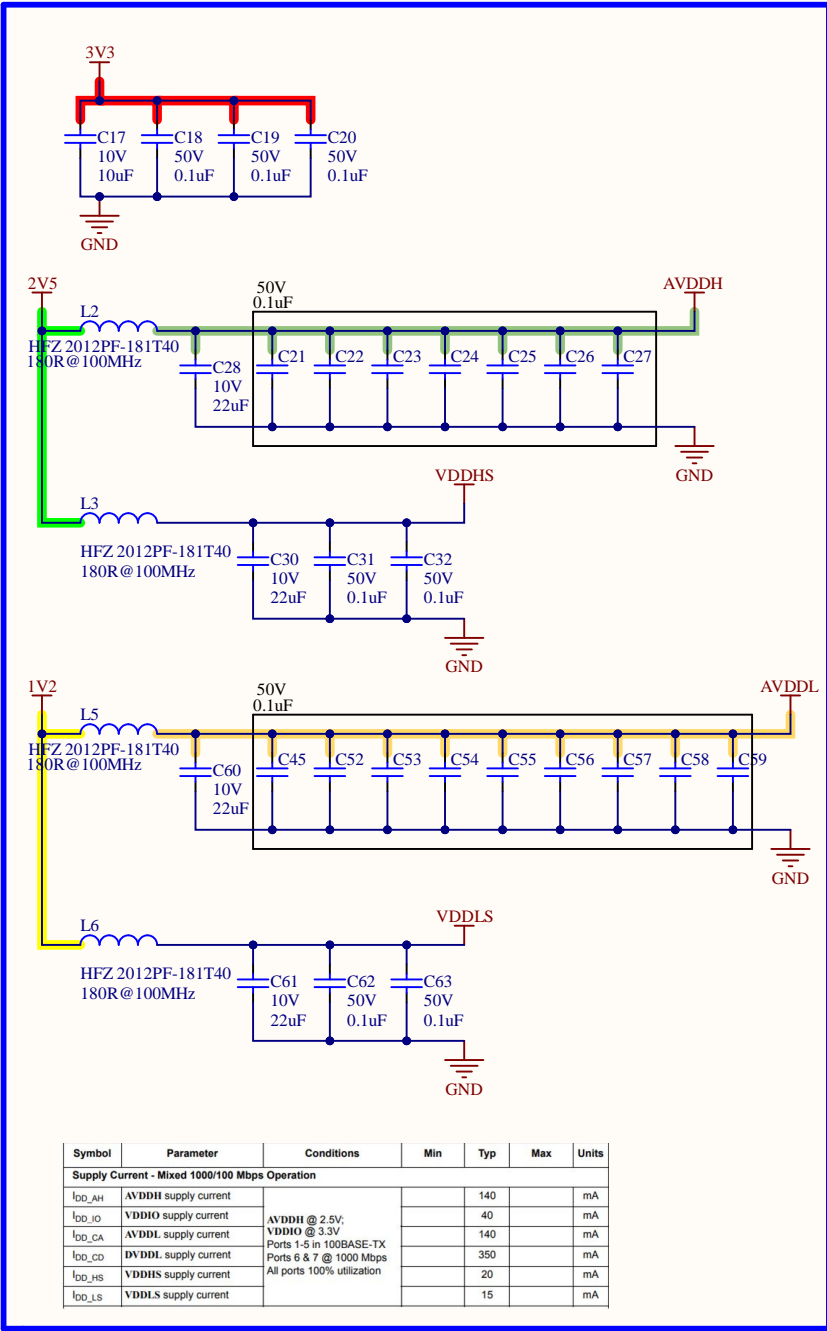
Sheet 5 of 8

Revision: V1.0

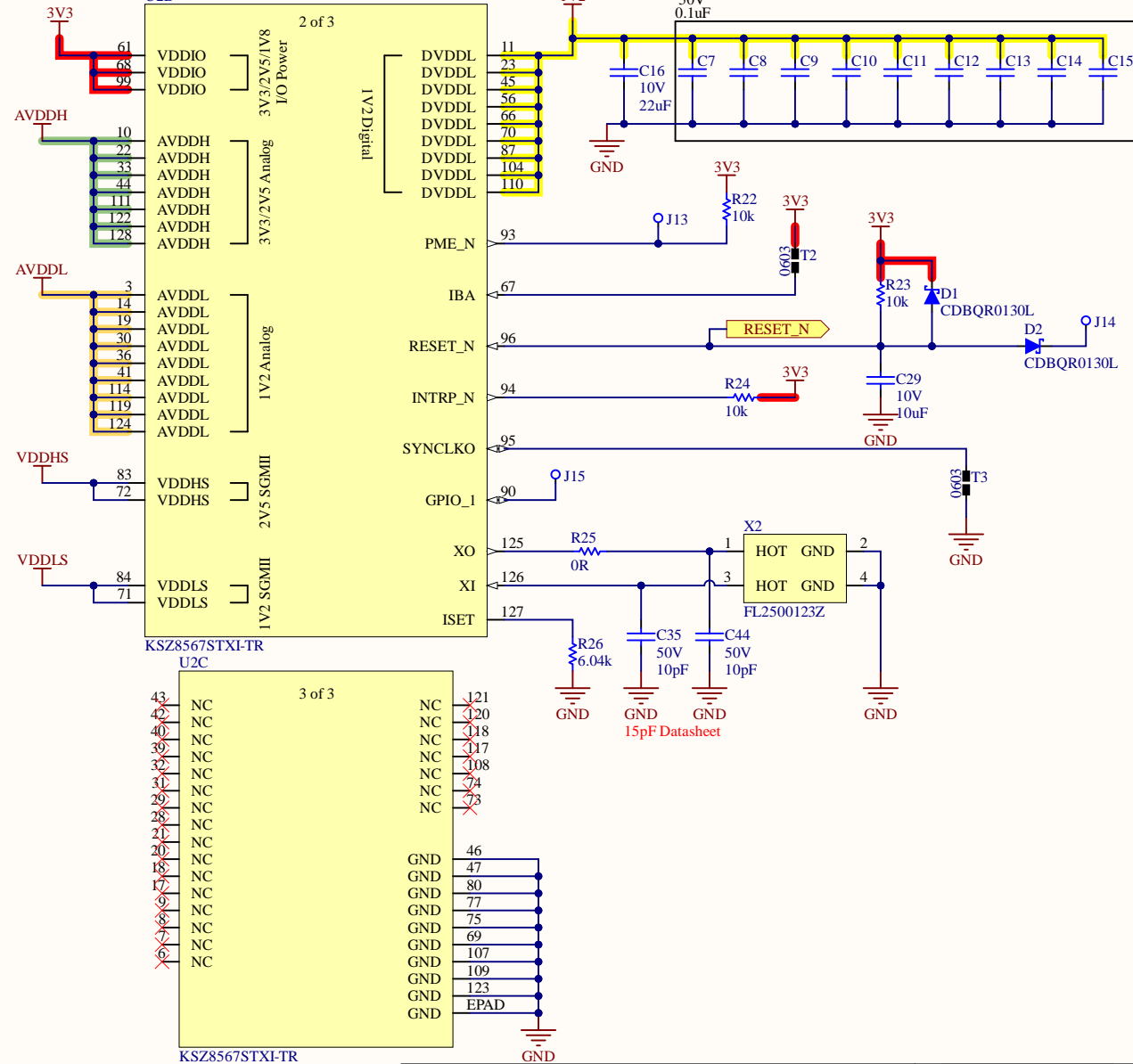
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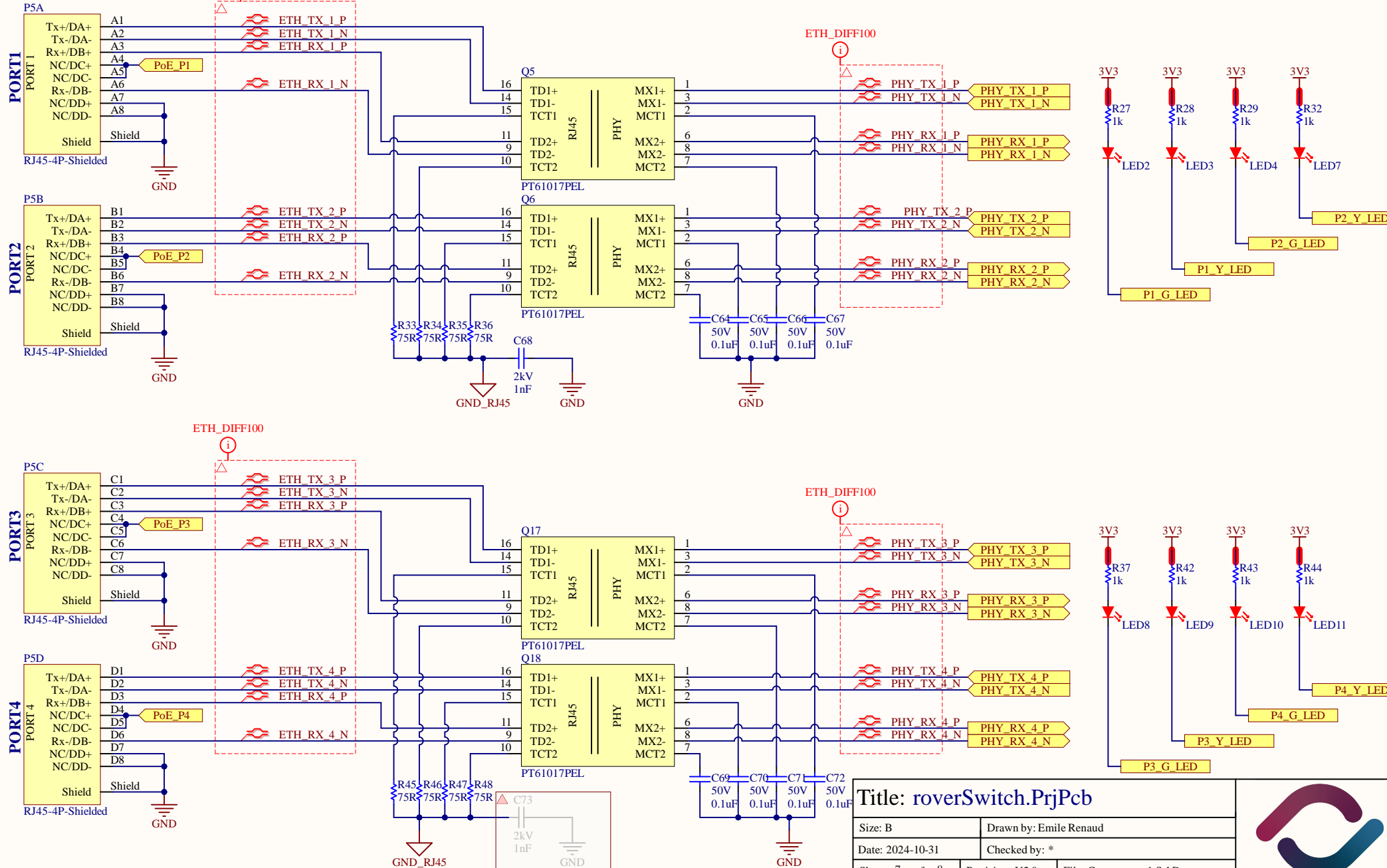
Decoupling Capacitors



Ethernet IC - Alim



Ethernet Port 1-4 PoE 12V

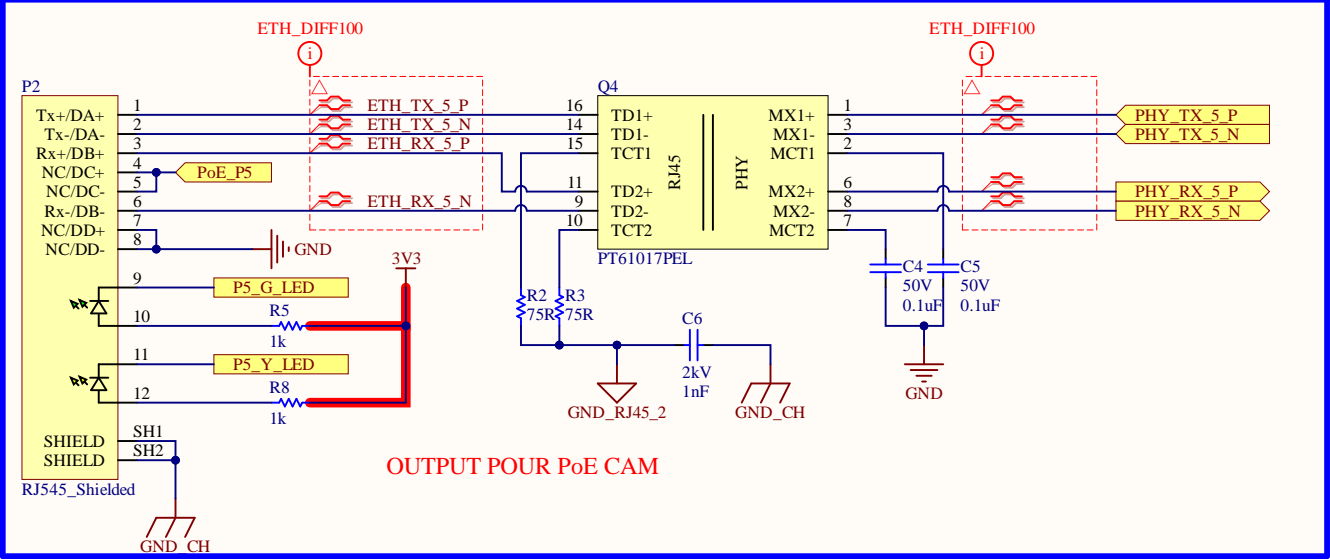


Title: roverSwitch.PrjPcb

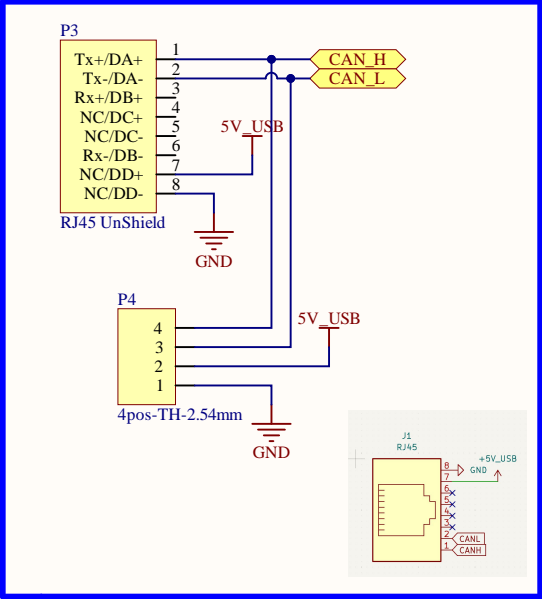
Size: B	Drawn by: Emile Renaud
Date: 2024-10-31	Checked by: *
Sheet 7 of 8	Revision: V2.0
File: Connectors_1.SchDoc	



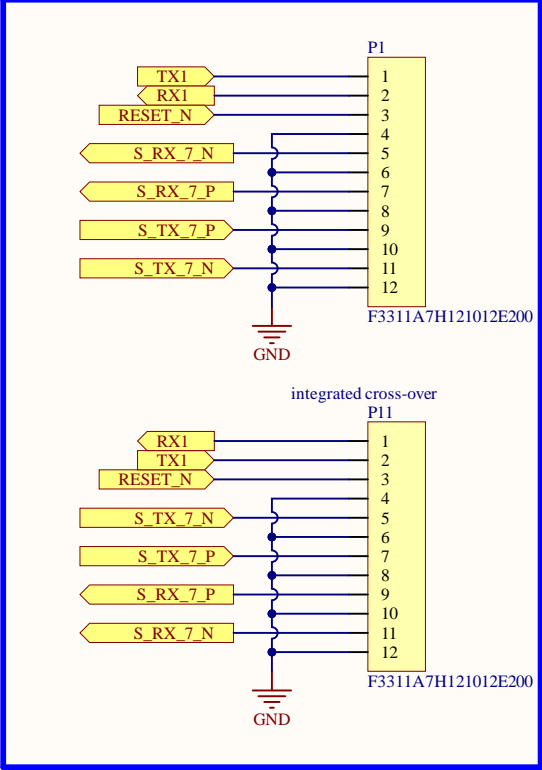
Port 5 - PoE 12/24



CAN + Low Power Rover



FFC Connector Ethernet



Title: roverSwitch.PrjPcb

Size: B	Drawn by: Emile Renaud
Date: 2024-11-04	Checked by: *
Sheet 8 of 8	Revision: V1.0
	File: Connectors_2.SchDoc

