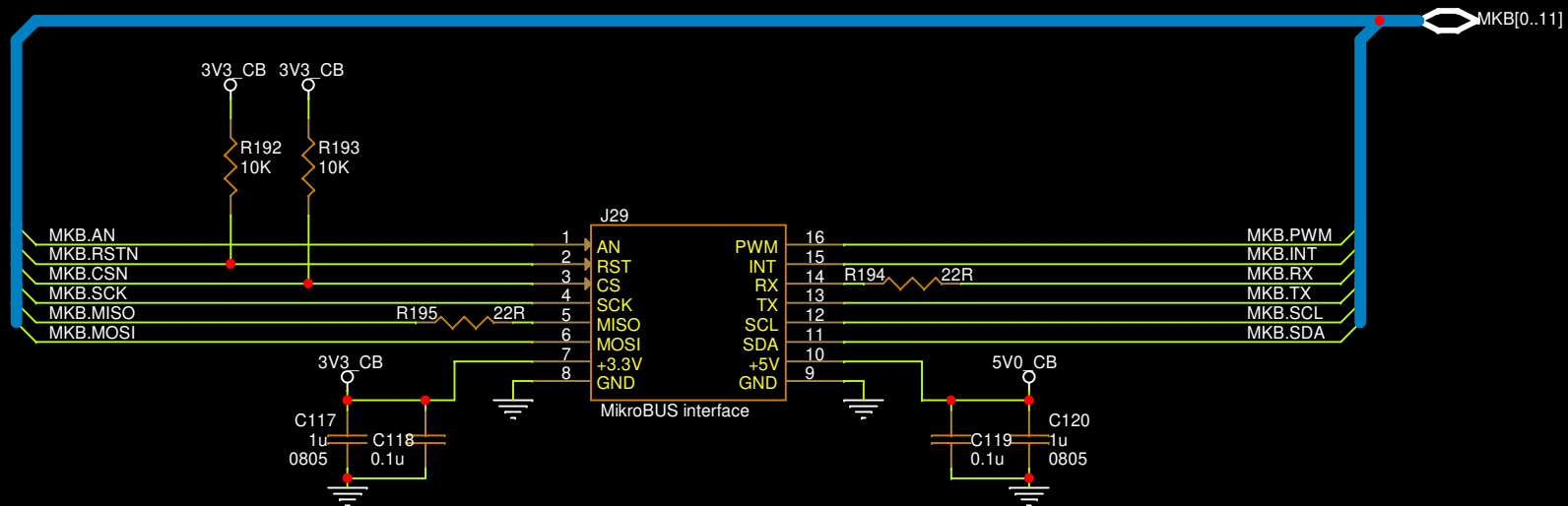


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Resistors are 0402 1% 1/16W 0402 unless otherwise noted  
Capacitors are 0402 10% 50V X7R unless otherwise noted

Designed by : Jean-François Bilodeau, Ing.

203-1690 rue des Quatres-Saisons

Sherbrooke, QC, J1E0N2



Sheet title : MIKROBUS SOCKET 1

Project : RPI-CM4-CARRIERBOARD

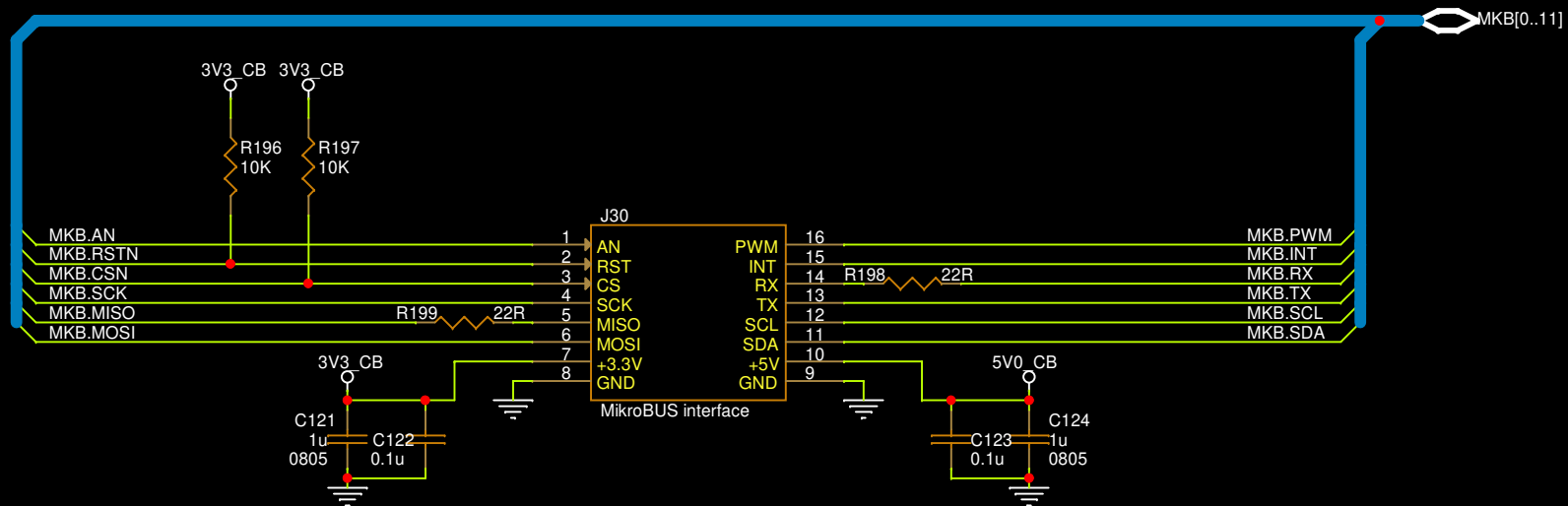
Sheet size : A

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Resistors are 0402 1% 1/16W 0402 unless otherwise noted  
 Capacitors are 0402 10% 50V X7R unless otherwise noted

Designed by : Jean-François Bilodeau, Ing.

203-1690 rue des Quatres-Saisons

Sherbrooke, QC, J1E0N2



Sheet title : MIKROBUS SOCKET 2

Project : RPI-CM4-CARRIERBOARD

Sheet size : A

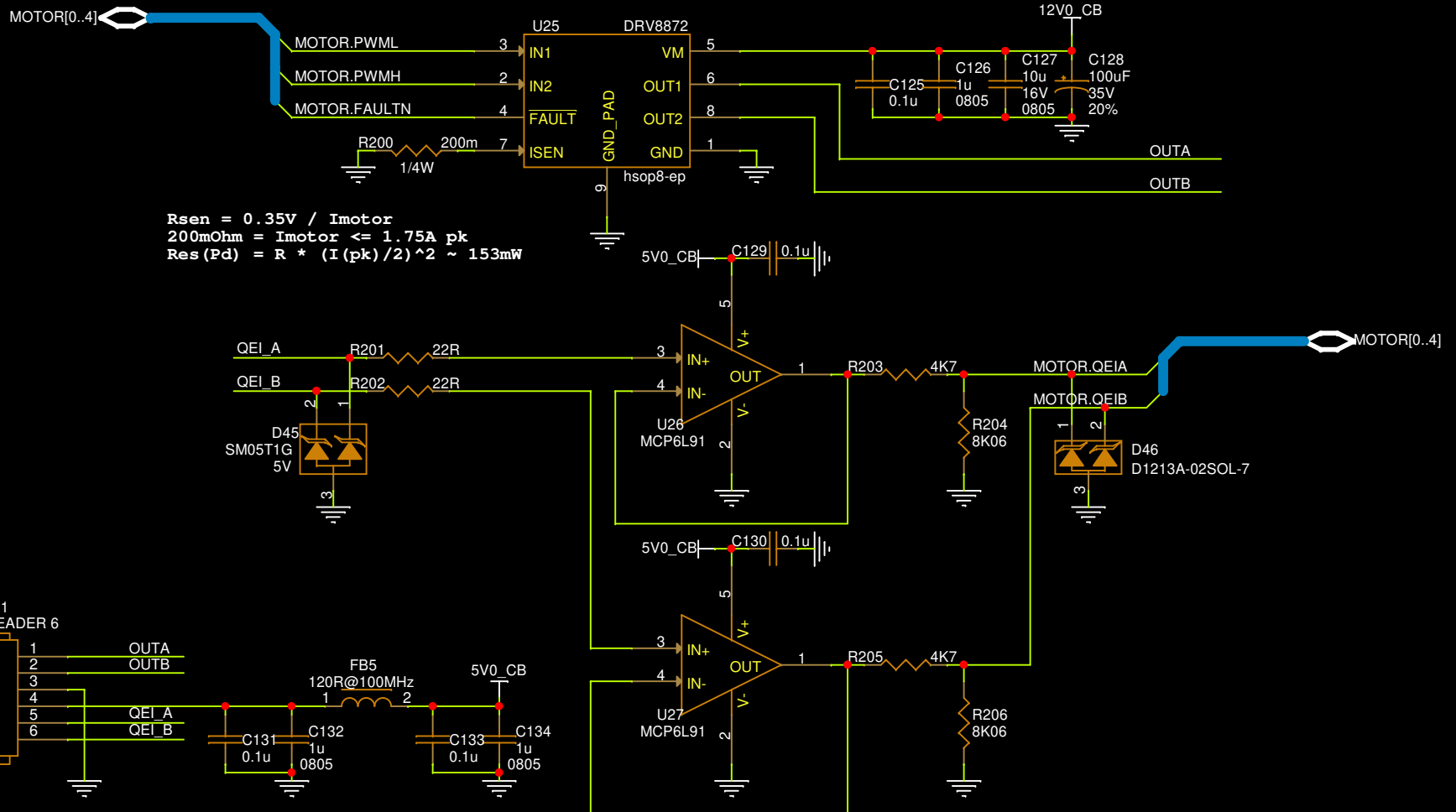
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Resistors are 0402 1% 1/16W 0402 unless otherwise noted  
 Capacitors are 0402 10% 50V X7R unless otherwise noted

Designed by : Jean-François Bilodeau, Ing.

203-1690 rue des Quatres-Saisons

Sherbrooke, QC, J1E0N2



Sheet title : MOTOR CONTROL 1

Project : RPI-CM4-CARRIERBOARD

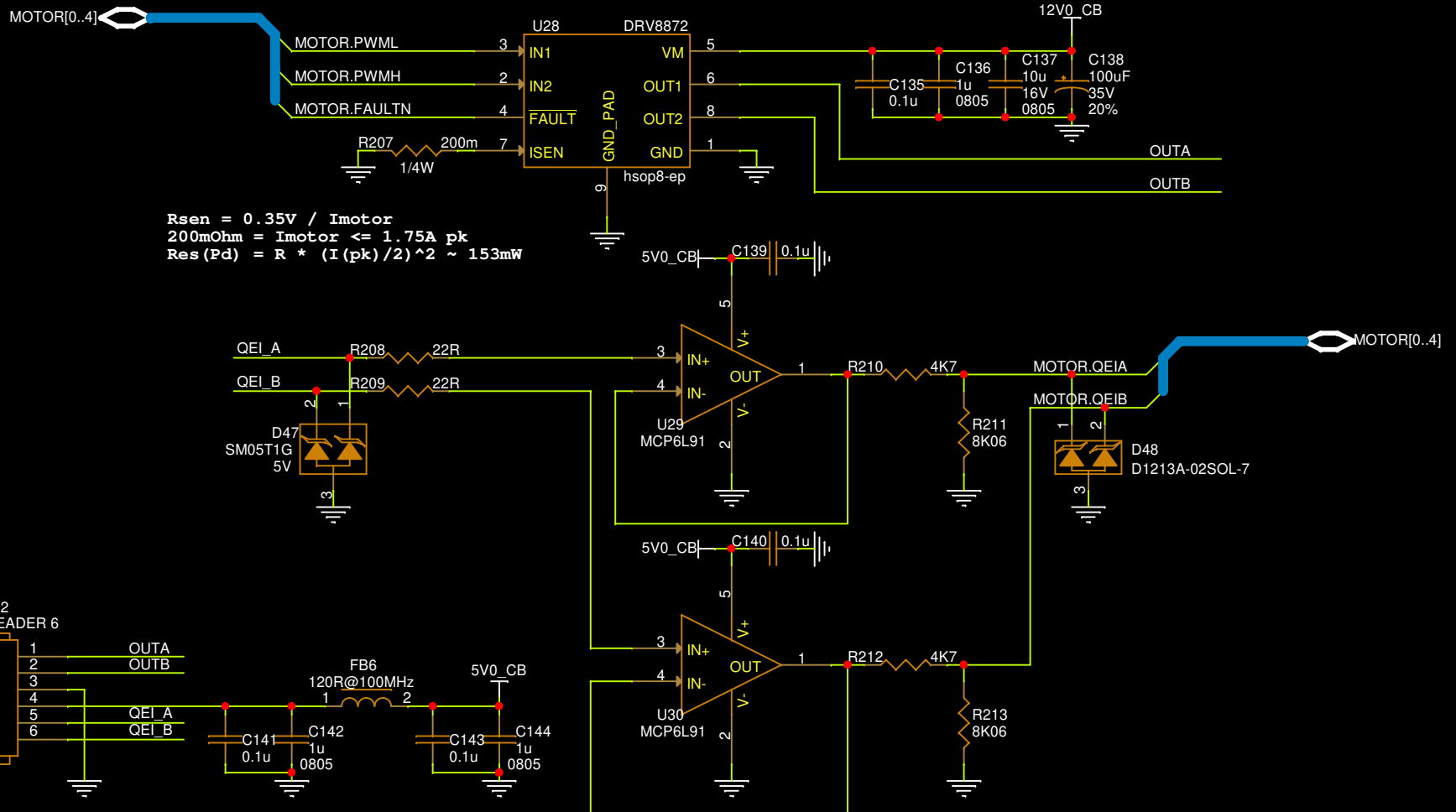
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Resistors are 0402 1% 1/16W 0402 unless otherwise noted  
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Sheet title : MOTOR CONTROL 2

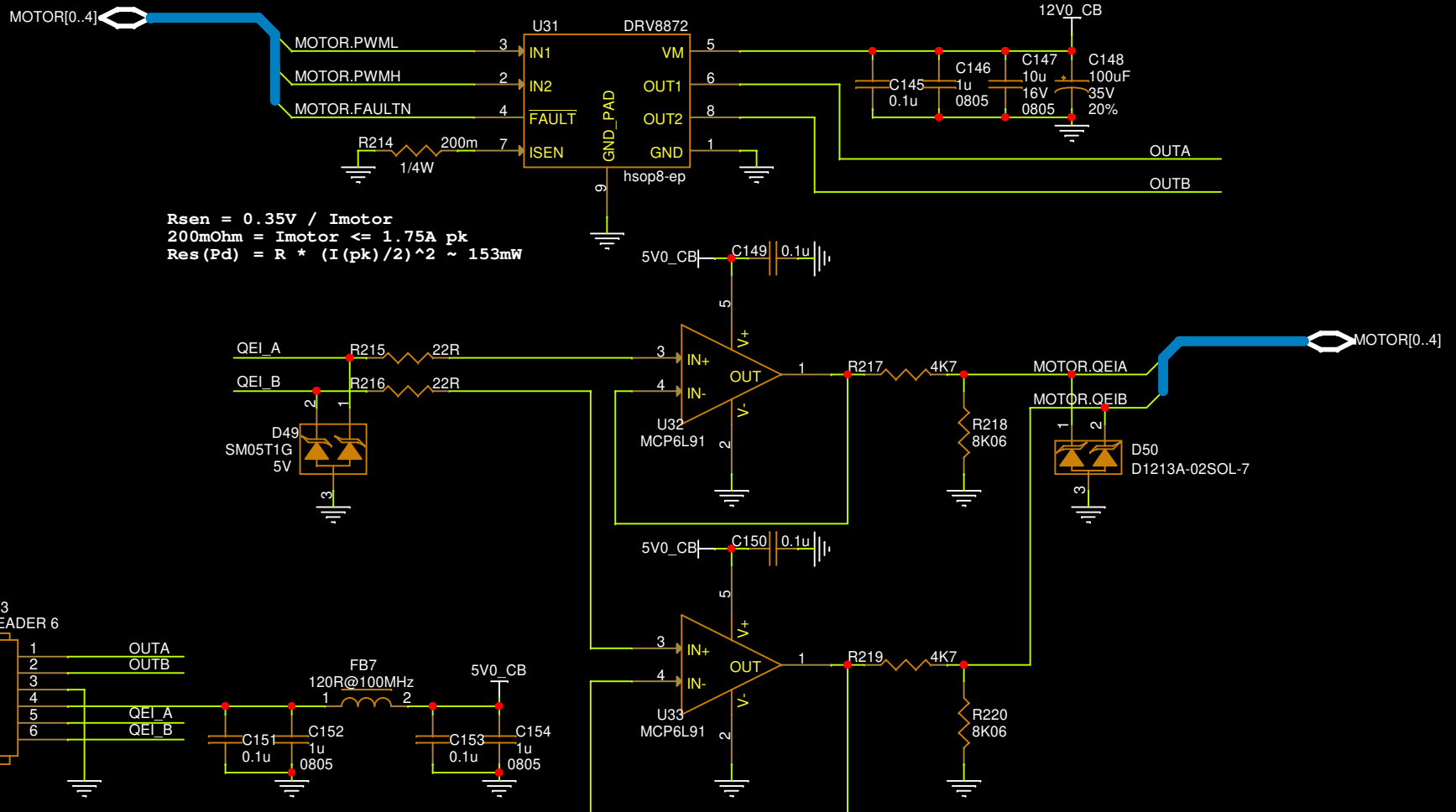
Project : RPI-CM4-CARRIERBOARD

Sheet size : A

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Resistors are 0402 1% 1/16W 0402 unless otherwise noted  
 Capacitors are 0402 10% 50V X7R unless otherwise noted

Designed by : Jean-François Bilodeau, Ing.

203-1690 rue des Quatres-Saisons

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Sheet title : MOTOR CONTROL 3

Project : RPI-CM4-CARRIERBOARD

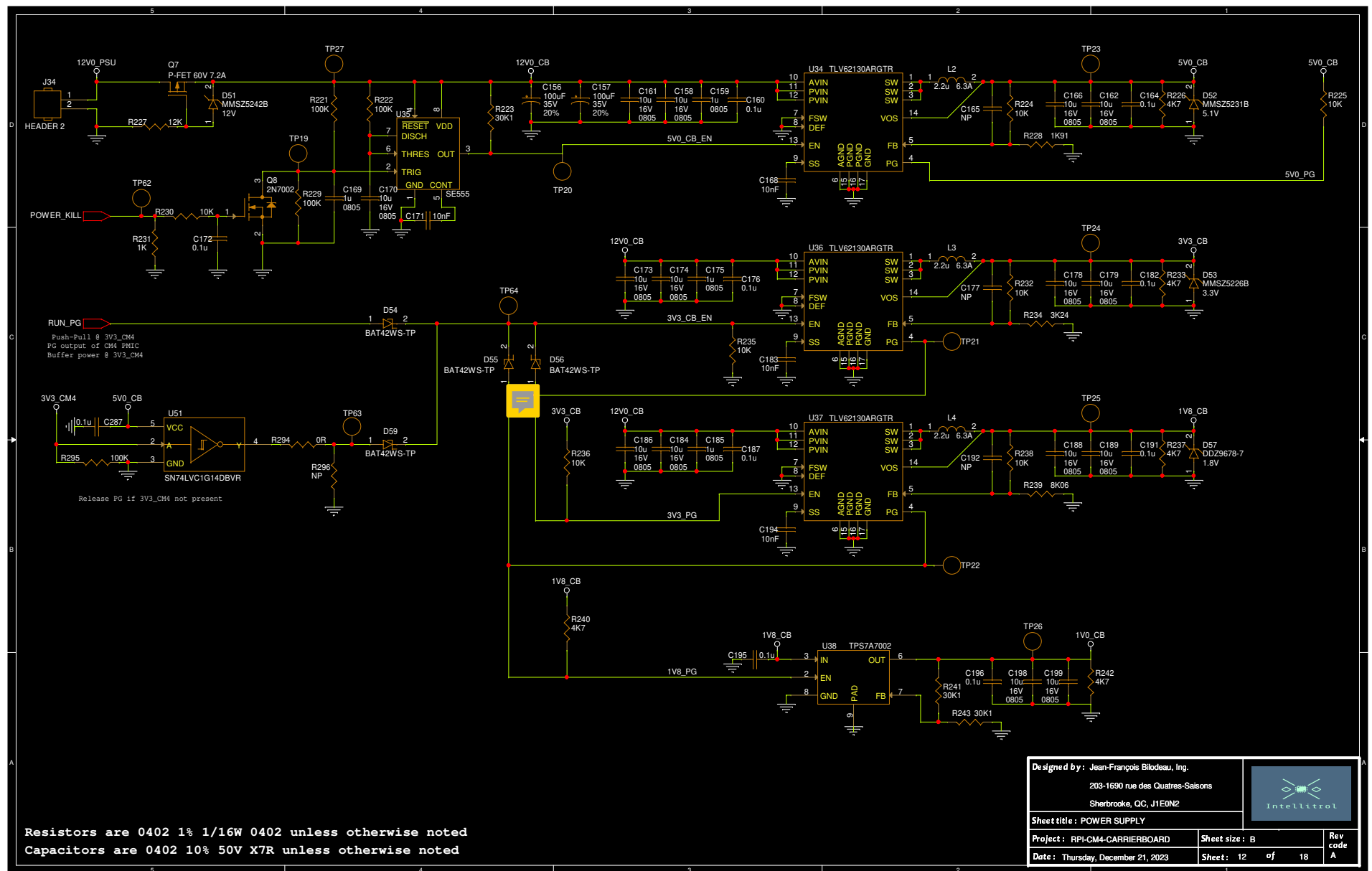
Sheet size : A

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Sheet title: POWER SUPPLY

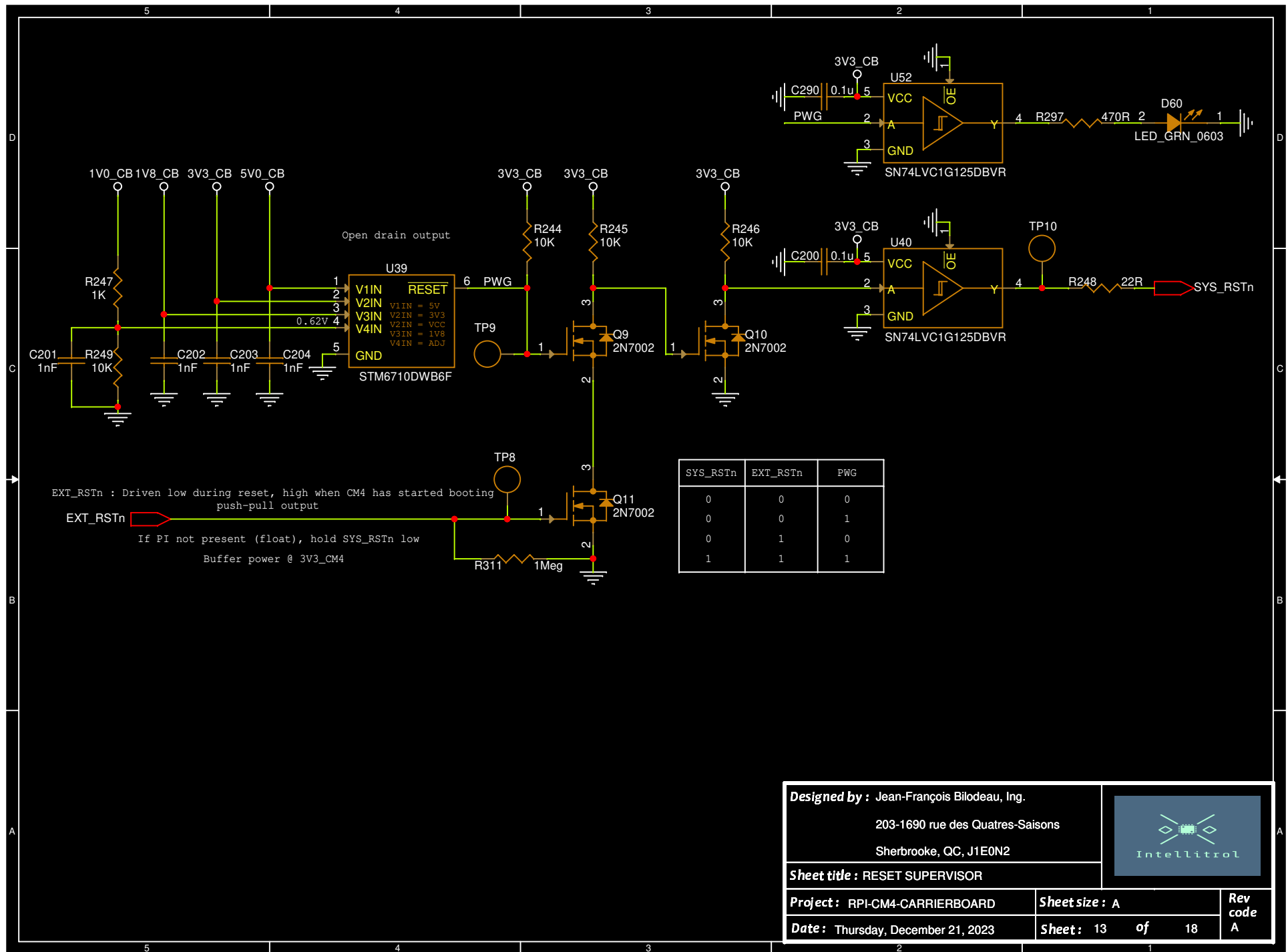
Project: RPI-CM4-CARRIERBOARD

Sheet size: B

Date: Thursday, December 21, 2023


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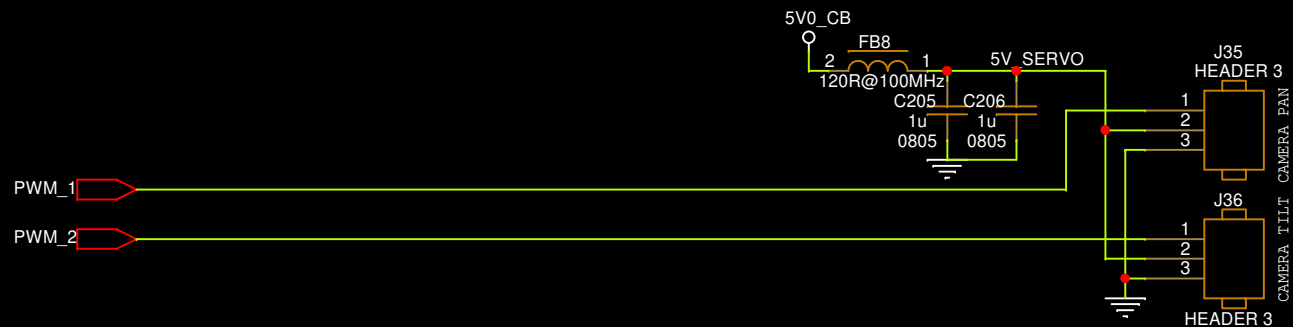
**Designed by :** Jean-François Bilodeau, Ing.

203-1690 rue des Quatres-Saisons  
Sherbrooke, QC, J1E0N2



**Sheet title :** RESET SUPERVISOR

<b>Project :</b> RPI-CM4-CARRIERBOARD	<b>Sheet size :</b> A	<b>Rev code</b> A
<b>Date :</b> Thursday, December 21, 2023	<b>Sheet :</b> 13 of 18	



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203-1690 rue des Quatres-Saisons

Sherbrooke, QC, J1E0N2



**Sheet title :** SERVO MOTOR

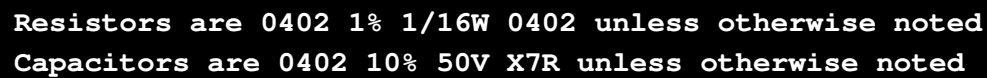
**Project :** RPI-CM4-CARRIERBOARD

**Sheet size :** A

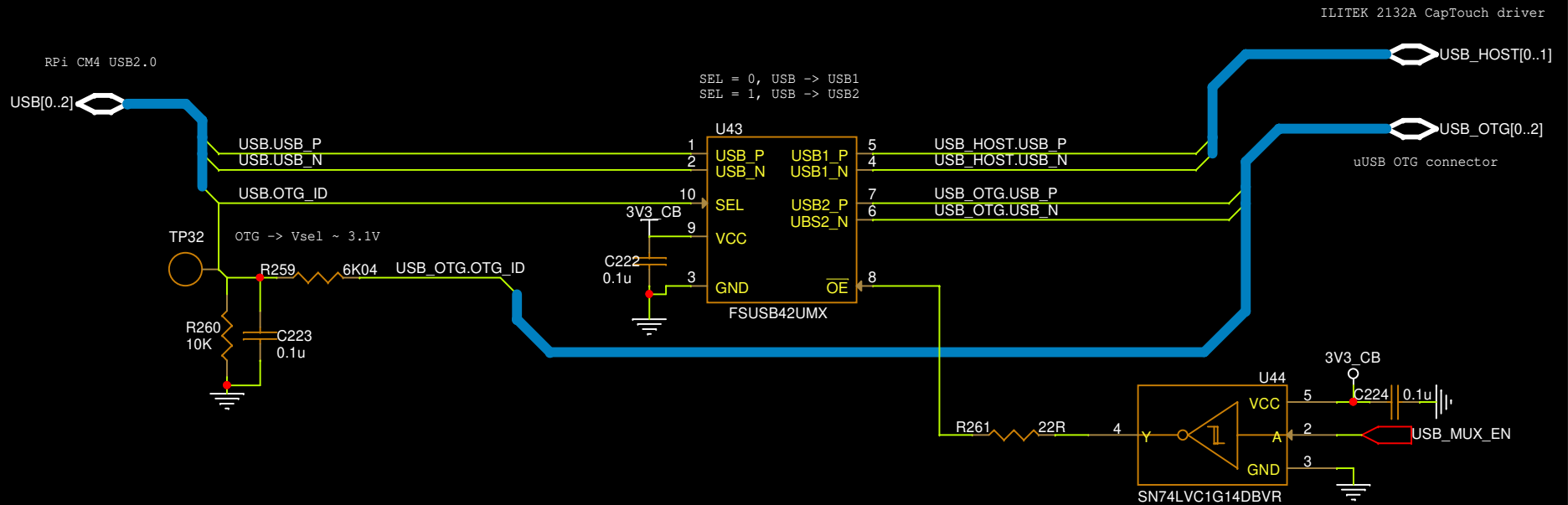
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code**  
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**Date :** Thursday, December 21, 2023

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Default : USB 2.0 host  
 USB2 -> ILI2132A CapTouch  
 OTG\_ID = 1, USB 2.0 device  
 USB2 -> CM4



Resistors are 0402 1% 1/16W 0402 unless otherwise noted  
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Designed by : Jean-François Bilodeau, Ing.

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Sheet title : USB MUX

Project : RPI-CM4-CARRIERBOARD

Sheet size : A

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Date : Thursday, December 21, 2023

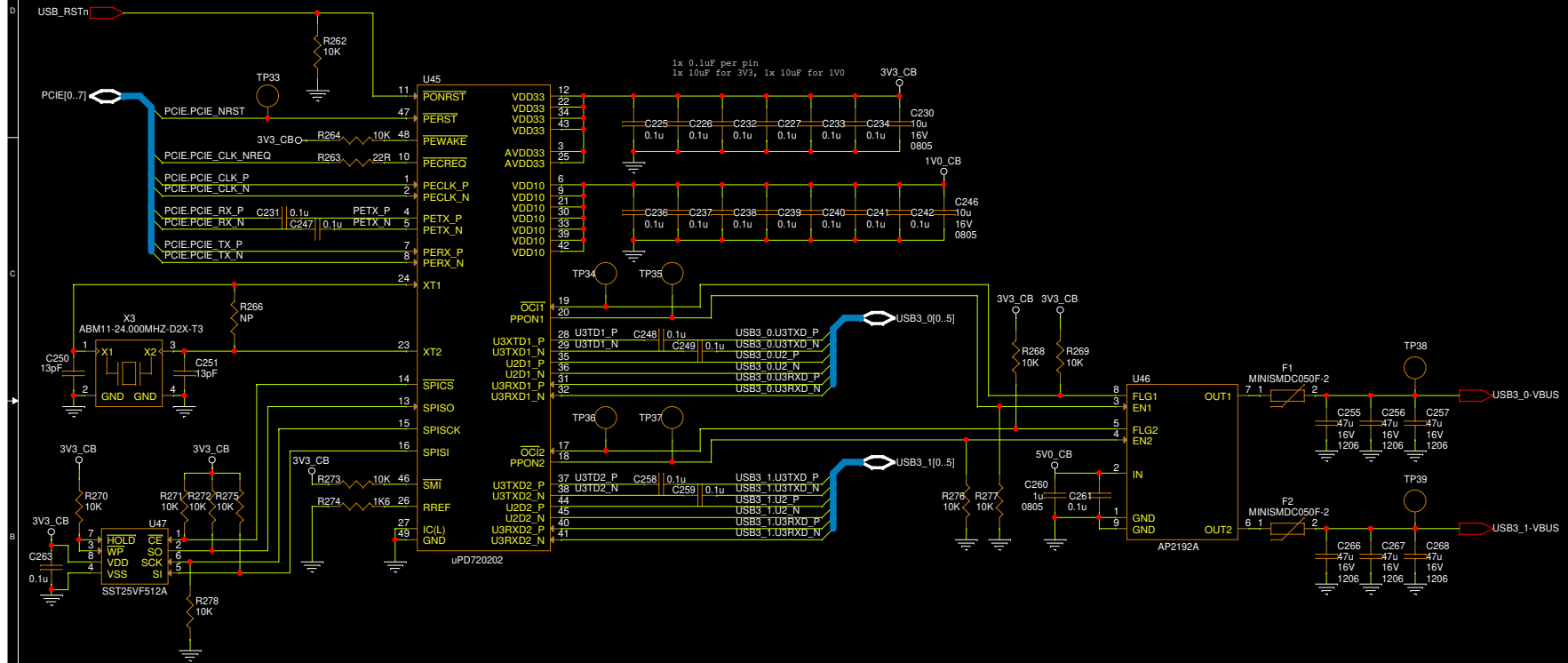
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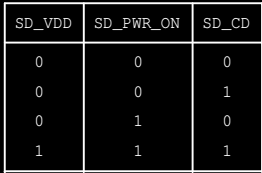
PCIe "master" device is CM4  
 CM4 has internal AC coupling caps on  
 clock + tx lanes  
 PCIe TX and RX pairs swapped at PCIe  
 device

CM4 PCIe\_RSTn -> uPD720202 PERSTn  
 CM4 PCIe\_CLKREQ -> uPD720202 PECREQn



Resistors are 0402 1% 1/16W 0402 unless otherwise noted  
 Capacitors are 0402 10% 50V X7R unless otherwise noted

Designed by: Jean-François Bilodeau, Ing.		
203-1690 rue des Quatres-Saisons Sherbrooke, QC, J1E0N2		
Sheet title: USB 3.0 HUB PCIe		
Project: RPi-CM4-CARRIERBOARD	Sheet size: B	Rev code A
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