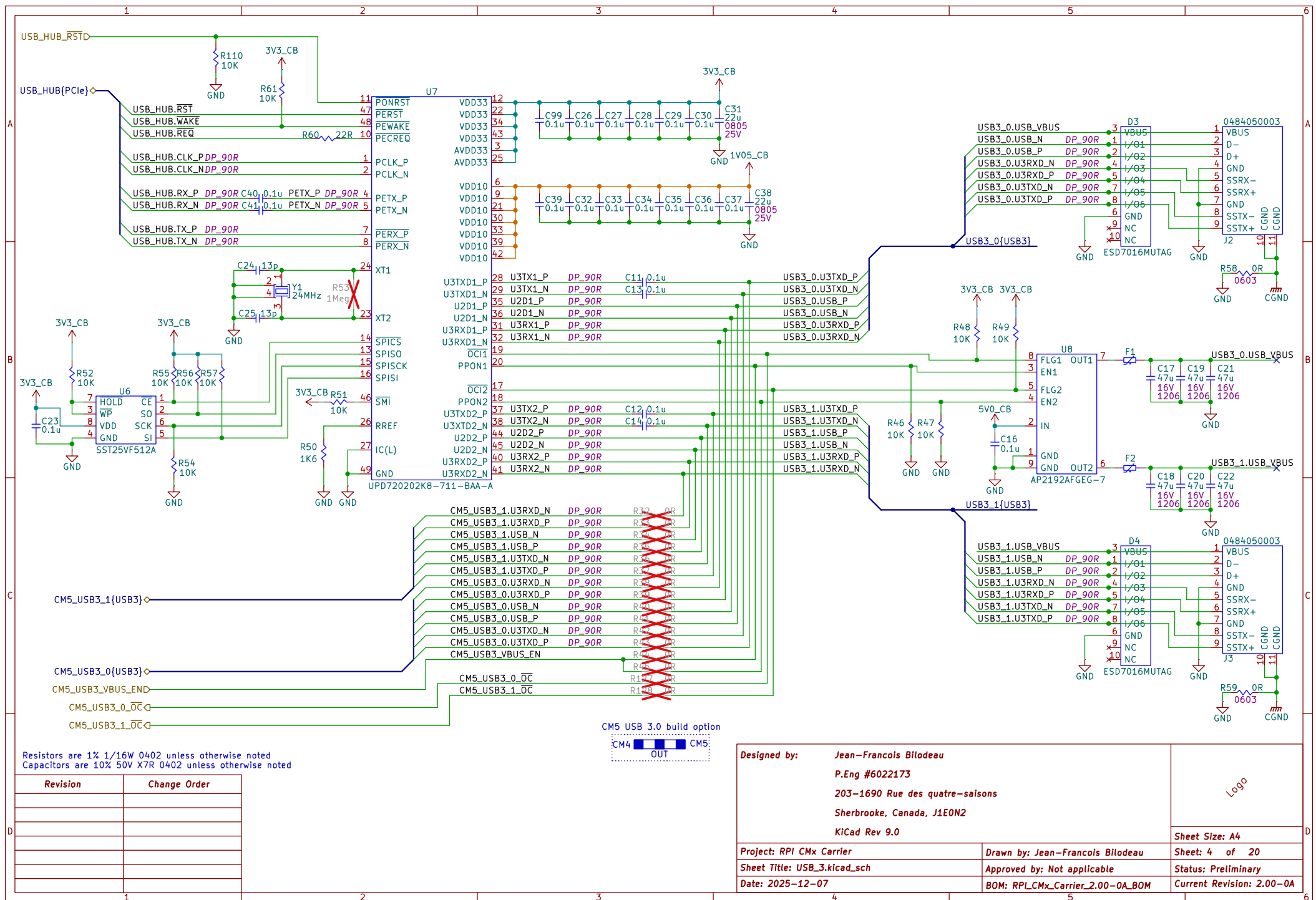
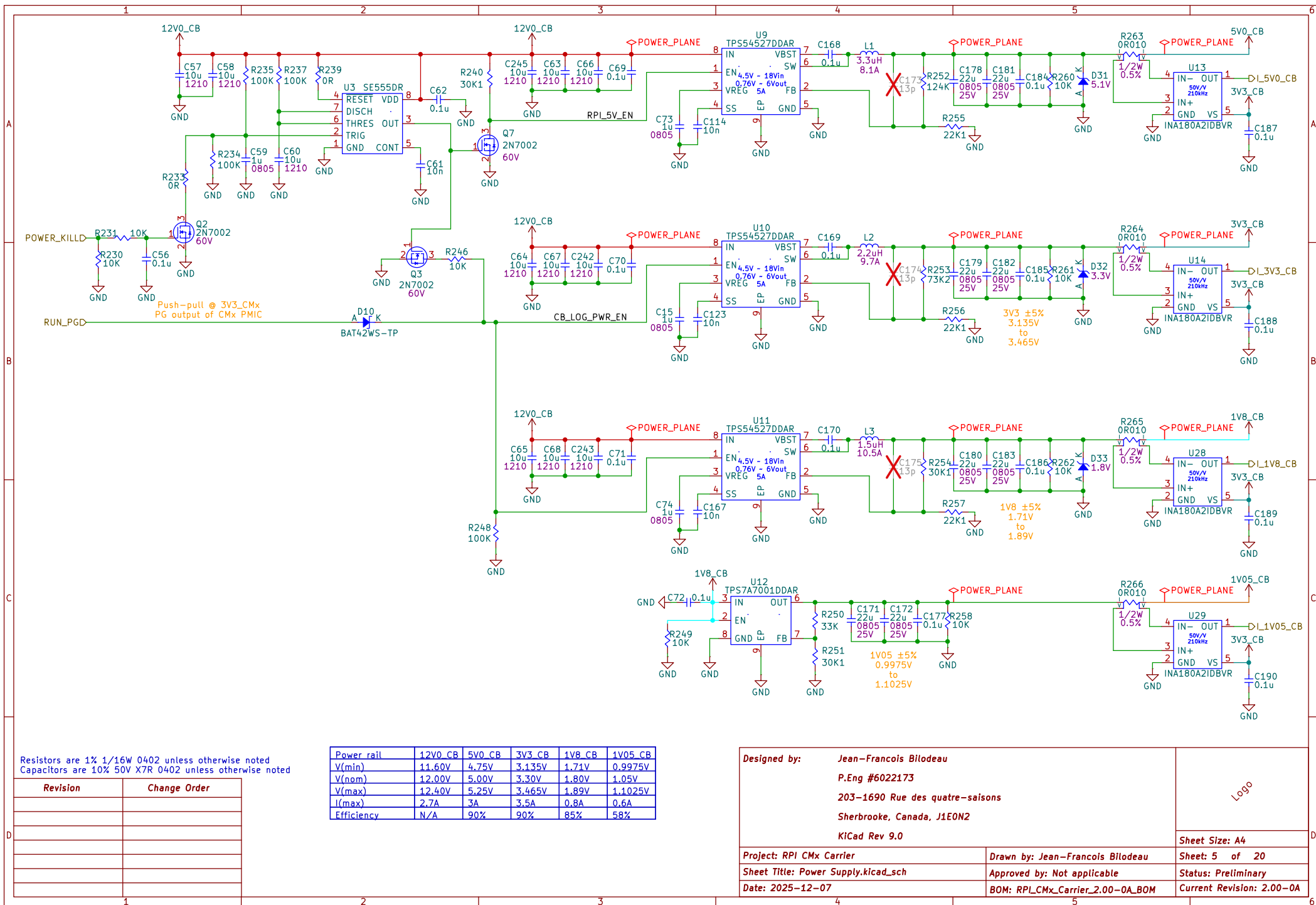


Resistors are 1% 1/16W 0402 unless otherwise noted  
Capacitors are 10% 50V X7R 0402 unless otherwise noted

Revision	Change Order

Designed by: Jean-Francois Bilodeau P.Eng #6022173 203-1690 Rue des quatre-saisons Sherbrooke, Canada, J1E0N2 KiCad Rev 9.0		Logo
Project: RPI CMx Carrier		Sheet Size: A4
Drawn by: Jean-Francois Bilodeau	Sheet: 3 of 20	
Sheet Title: SD_CARD.kicad_sch	Approved by: Not applicable	Status: Preliminary
Date: 2025-12-07	BOM: RPLCMx_Carrier_2.00-0A_BOM	Current Revision: 2.00-0A





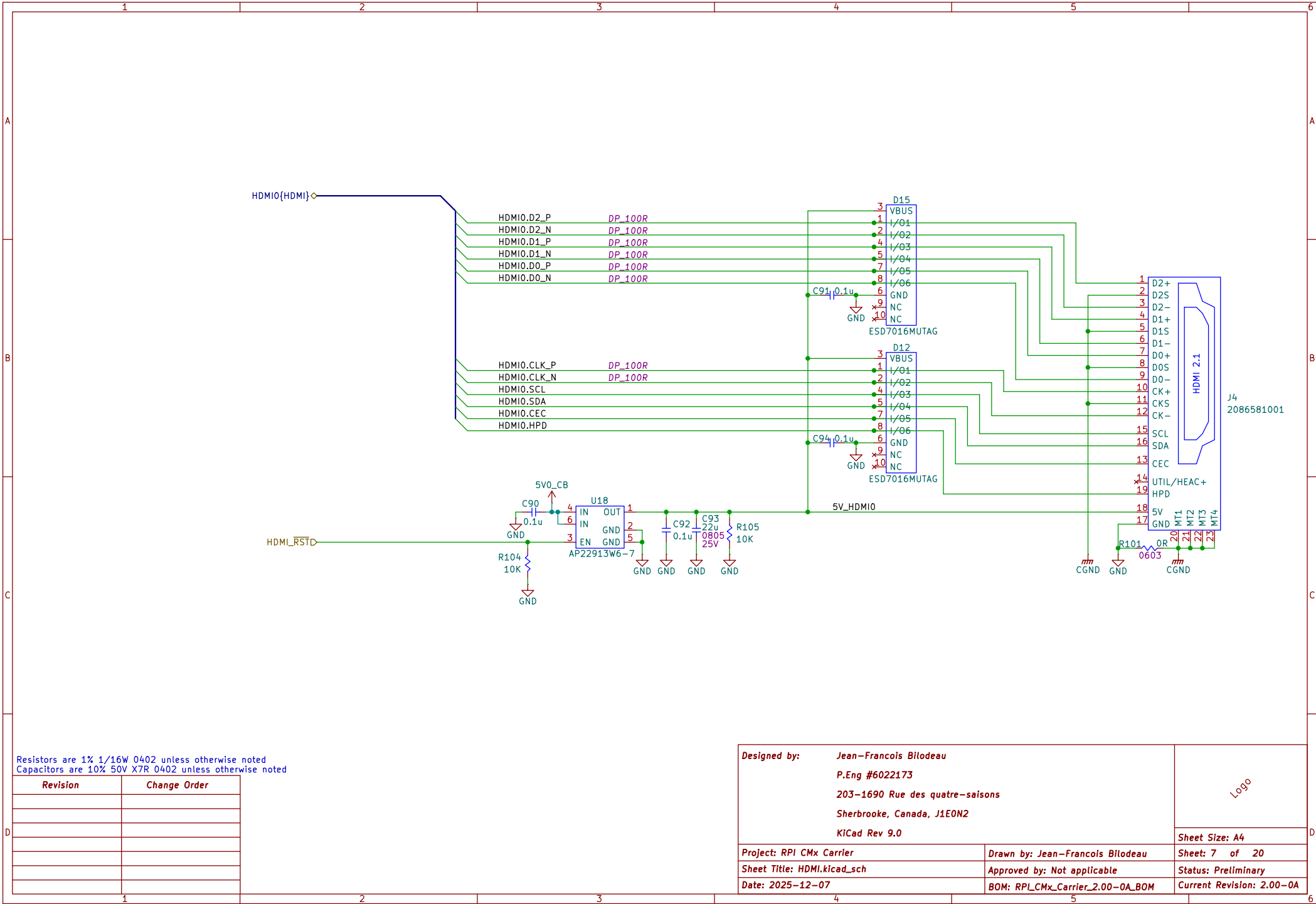
Resistors are 1% 1/16W 0402 unless otherwise noted  
Capacitors are 10% 50V X7R 0402 unless otherwise noted

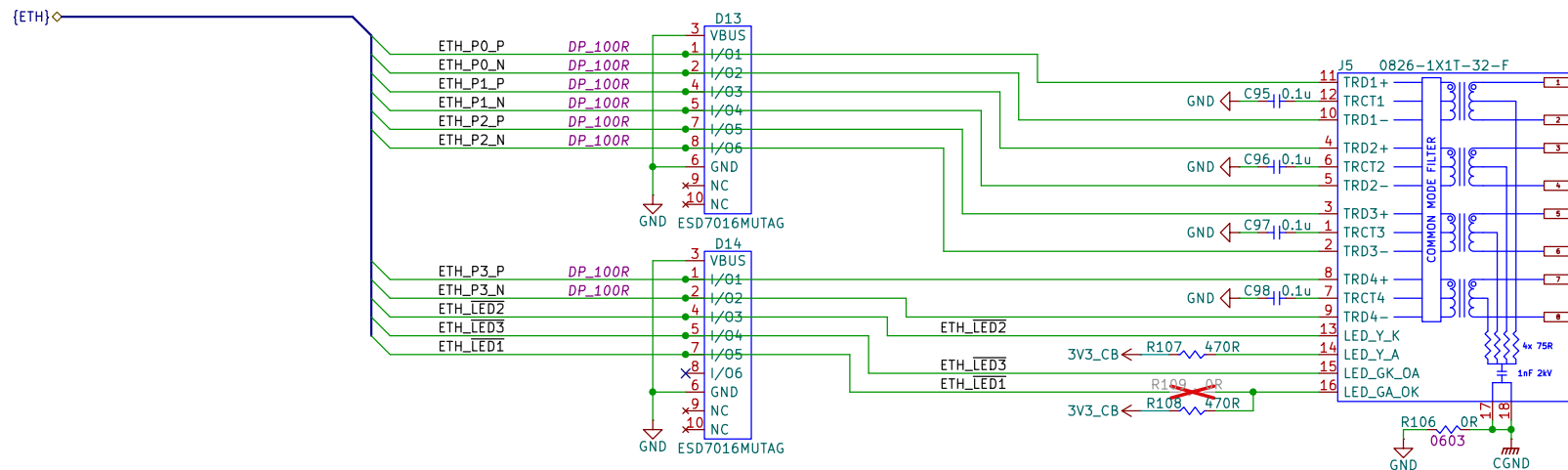
Revision	Change Order

Power rail	12V0_CB	5V0_CB	3V3_CB	1V8_CB	1V05_CB
V(min)	11.60V	4.75V	3.135V	1.71V	0.9975V
V(nom)	12.00V	5.00V	3.30V	1.80V	1.05V
V(max)	12.40V	5.25V	3.465V	1.89V	1.1025V
I(max)	2.7A	3A	3.5A	0.8A	0.6A
Efficiency	N/A	90%	90%	85%	58%

<div>Designed by: Jean-Francois Bilodeau P.Eng #6022173 203-1690 Rue des quatre-saisons Sherbrooke, Canada, J1E0N2 KiCad Rev 9.0</div>		<div>Logo</div>	D
Project: RPI CMx Carrier		Sheet Size: A4	
Sheet Title: Power Supply.kicad_sch		Sheet: 5 of 20	
Date: 2025-12-07		Status: Preliminary	
BOM: RPL_CMx_Carrier_2.00-0A_BOM		Current Revision: 2.00-0A	







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

<i>Revision</i>	<i>Change Order</i>

Designed by: Jean-Francois Blodeau  
P.Eng #6022173  
203-1690 Rue des quatre-saisons  
Sherbrooke, Canada, J1E0N2  
KICad Rev 9.0

Logo

Sheet Size: A4

Project: RPI CMx Carrier

Drawn by: Jean-Francois Bilodeau

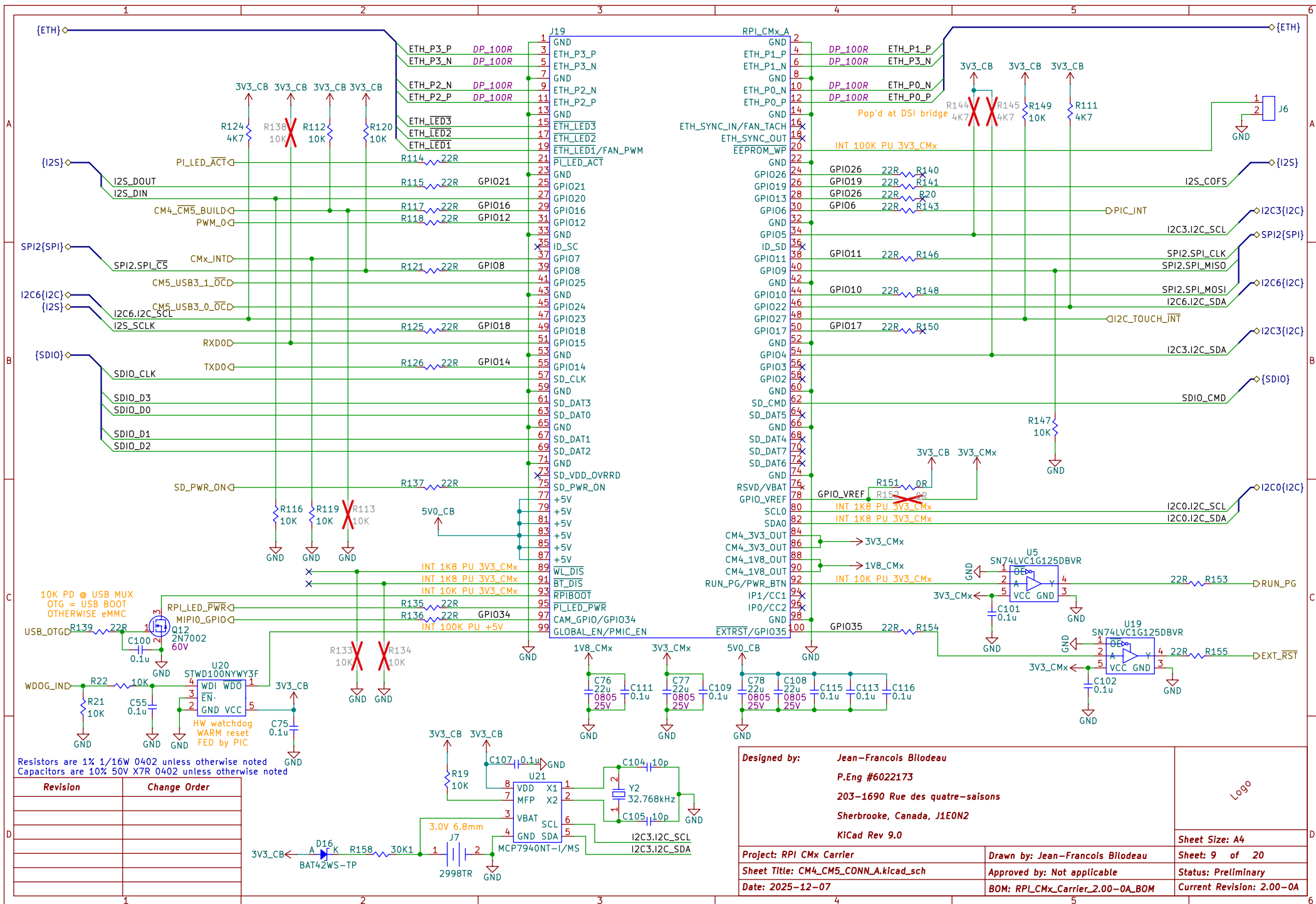
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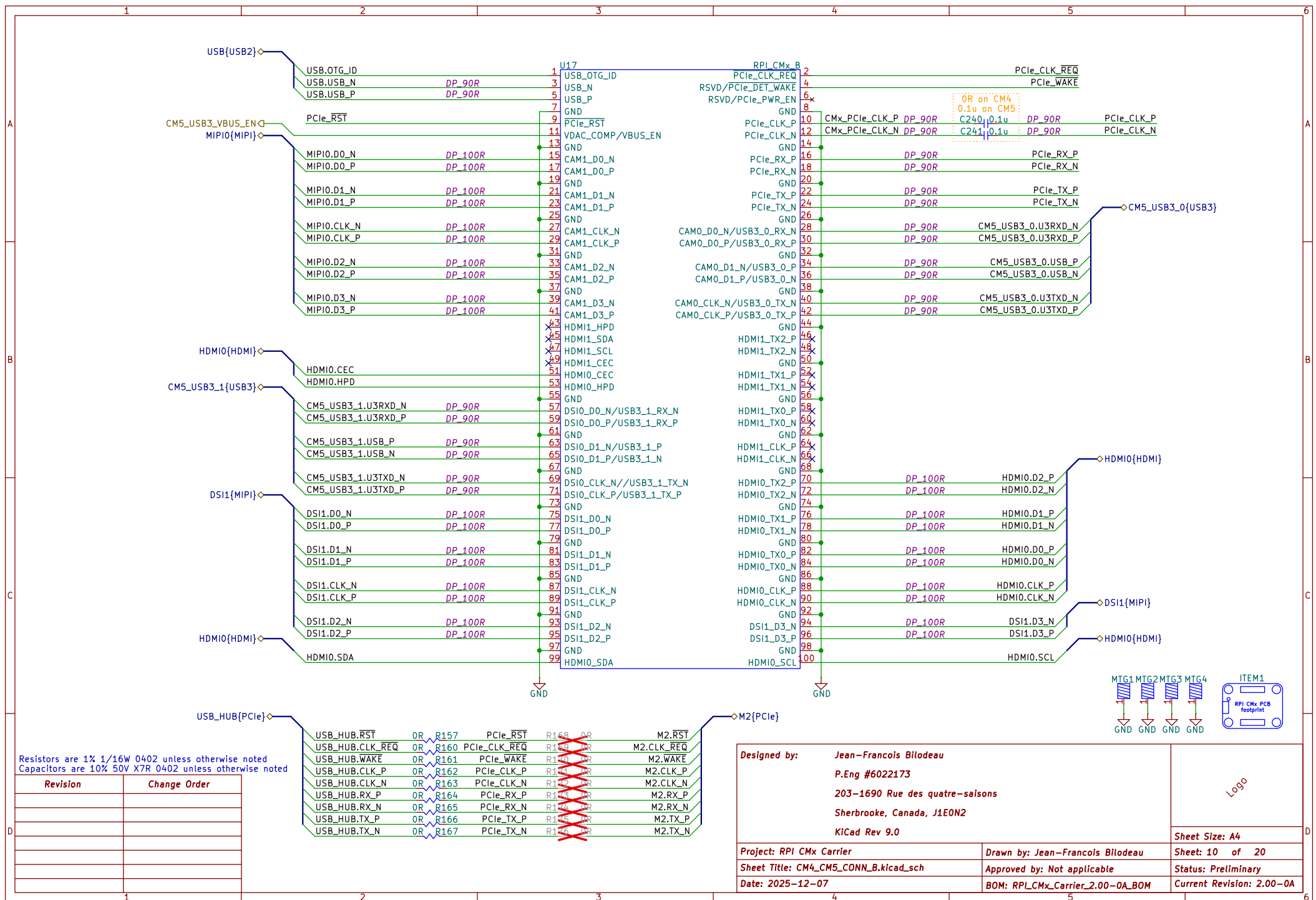
Current Revision: 2.00-0A

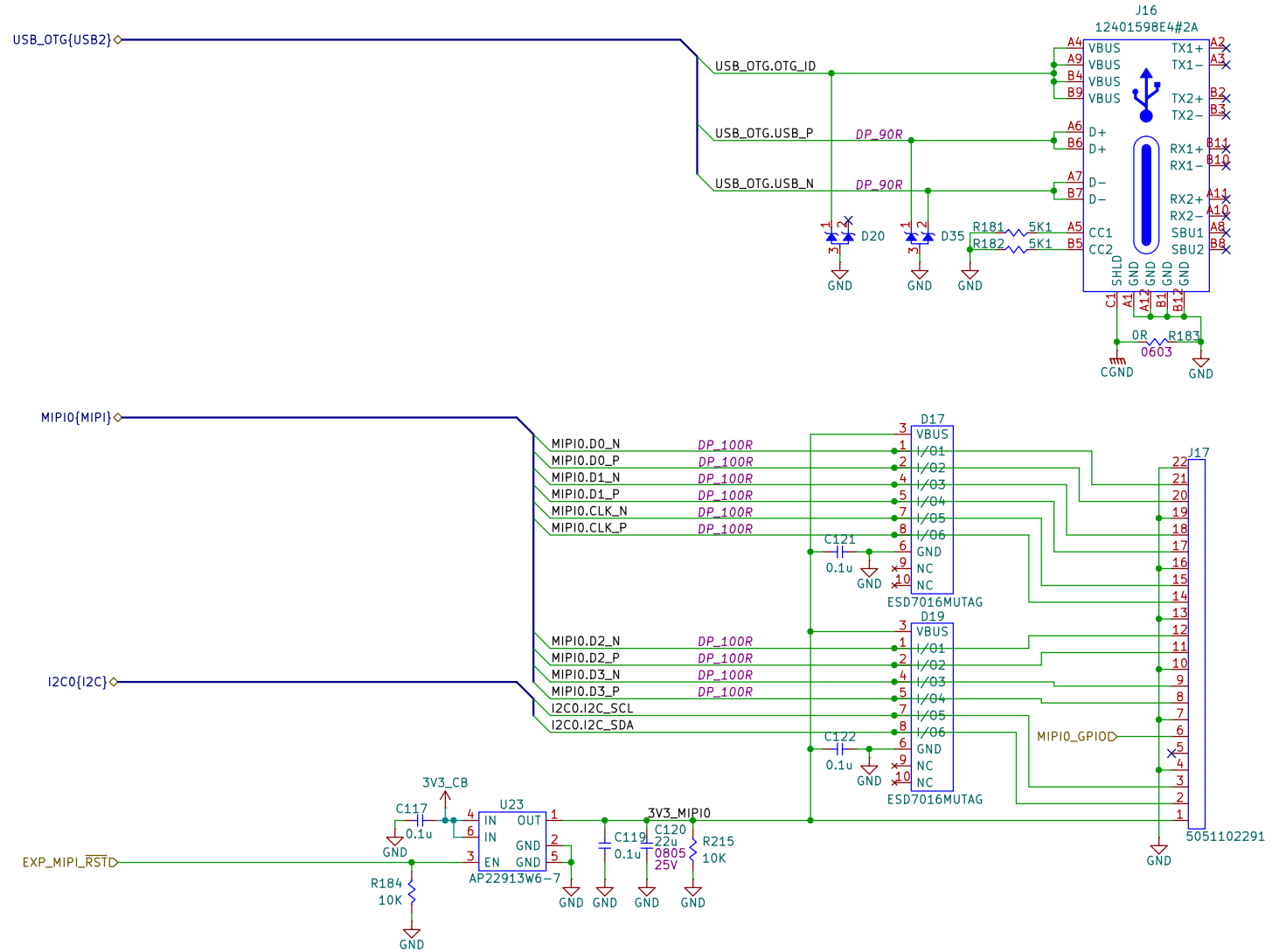
Date: 2025-12-07

BOM: RPI CMx Carrier 2.00-0A BOM



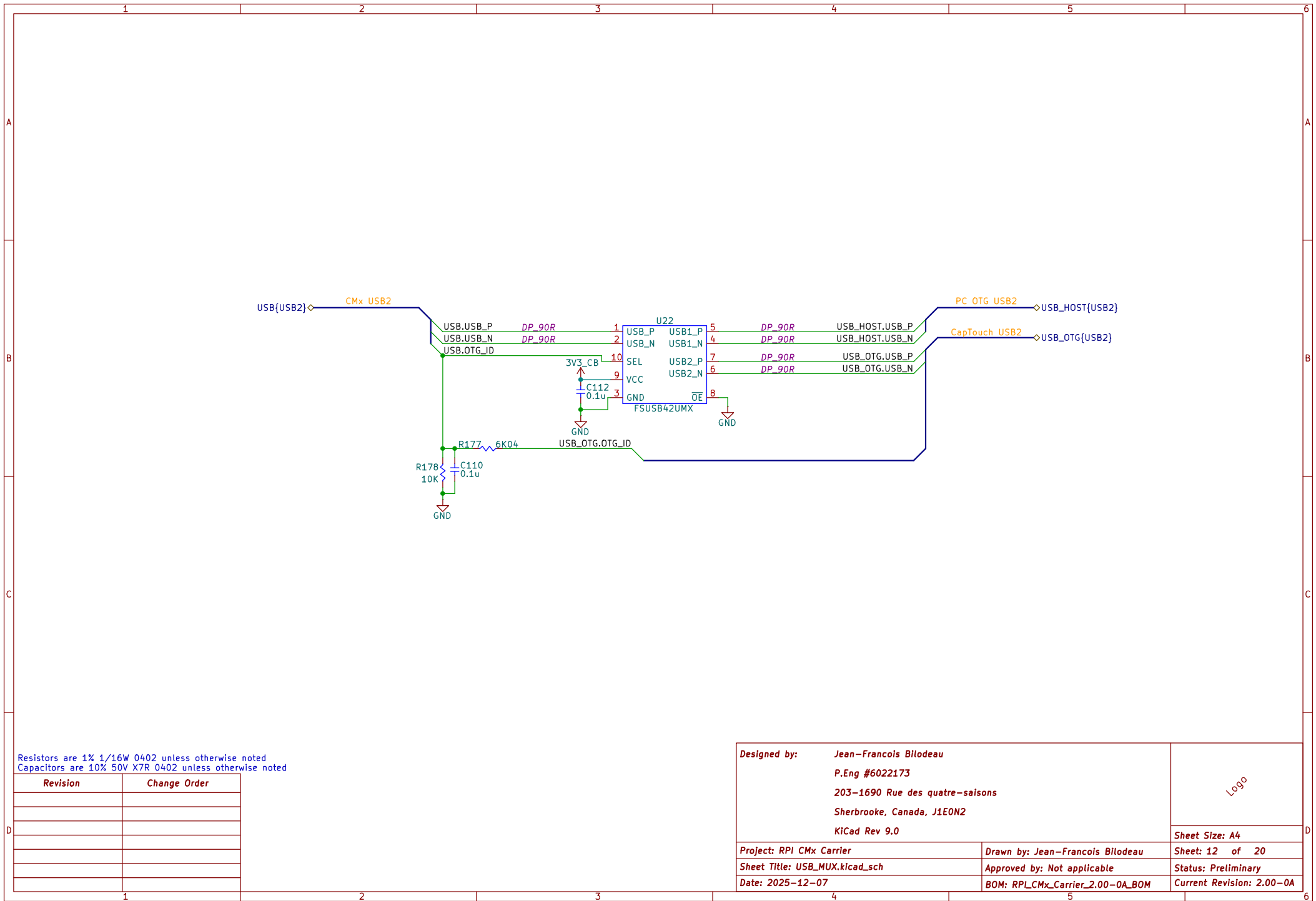




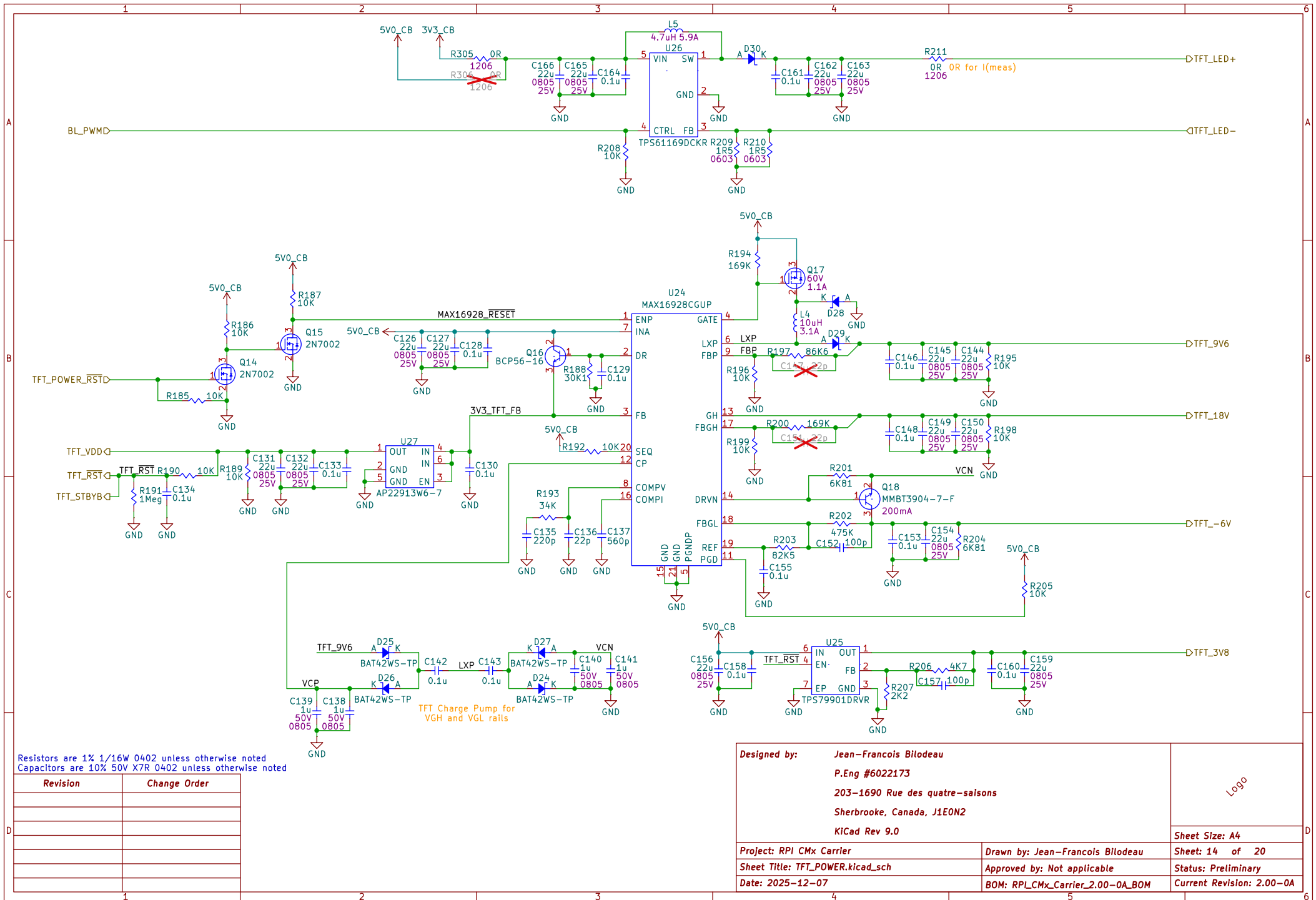


Revision	Change Order

Designed by: <b>Jean-Francois Bilodeau</b> P.Eng #6022173 203-1690 Rue des quatre-saisons Sherbrooke, Canada, J1E0N2 KiCad Rev 9.0		Logo
Project: RPI CMx Carrier	Drawn by: Jean-Francois Bilodeau	
Sheet Title: USB-C & EXP MIPI.kicad_sch	Approved by: Not applicable	Sheet: 11 of 20
Date: 2025-12-07	BOM: RPL_CMx_Carrier_2.00-0A_BOM	Status: Preliminary
		Current Revision: 2.00-0A





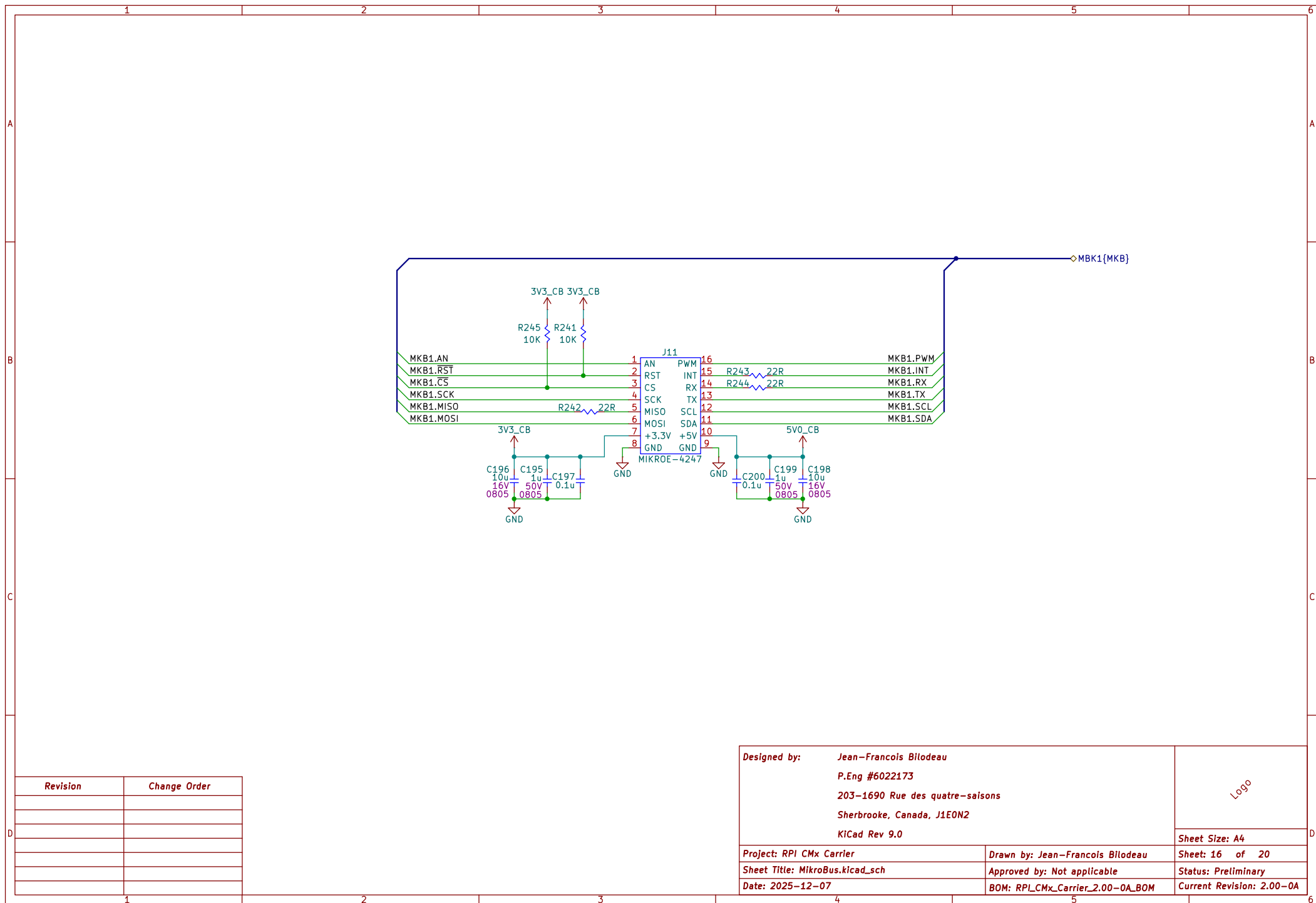


Resistors are 1% 1/16W 0402 unless otherwise noted  
Capacitors are 10% 50V X7R 0402 unless otherwise noted

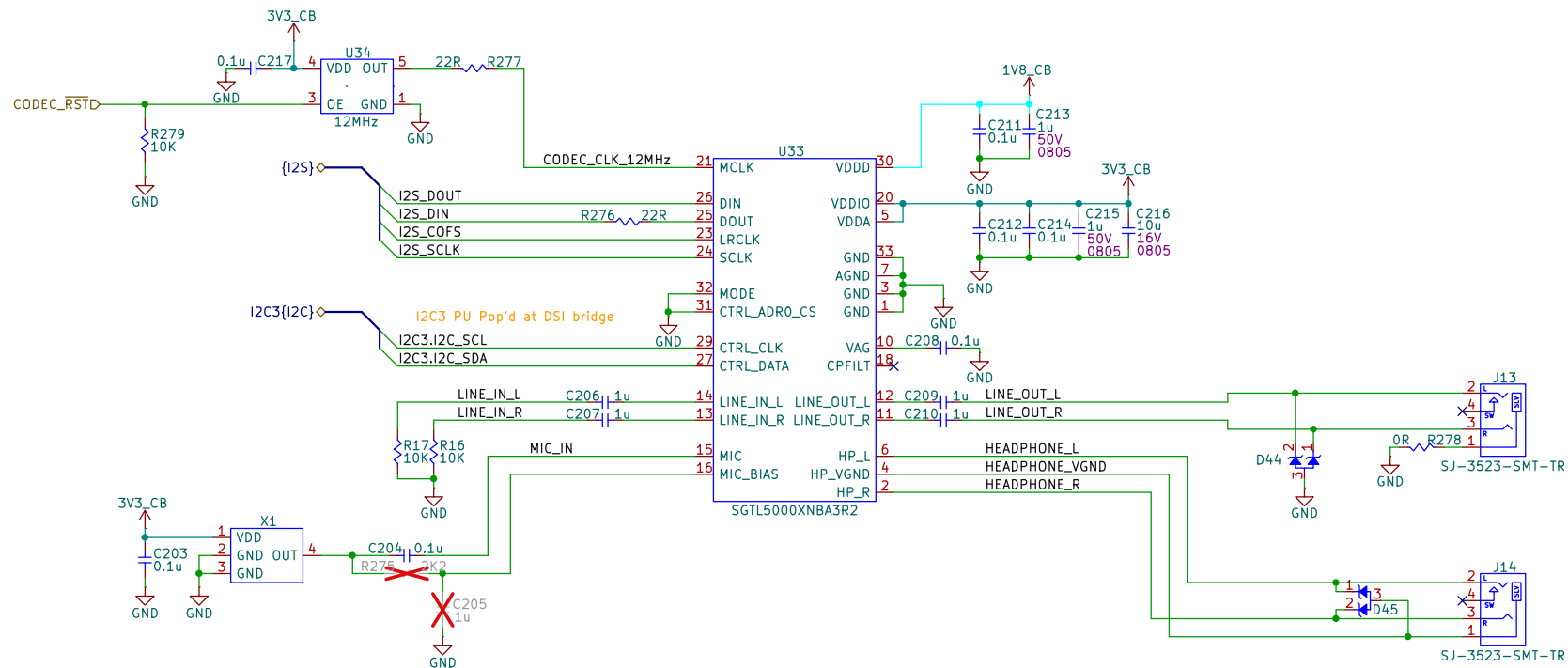
Revision	Change Order

Designed by: Jean-Francois Bilodeau P.Eng #6022173 203-1690 Rue des quatre-saisons Sherbrooke, Canada, J1E0N2 KiCad Rev 9.0		Logo
Project: RPI CMx Carrier	Drawn by: Jean-Francois Bilodeau	Sheet Size: A4
Sheet Title: TFT_POWER.kicad_sch	Approved by: Not applicable	Sheet: 14 of 20
Date: 2025-12-07	BOM: RPL_CMx_Carrier_2.00-0A_BOM	Status: Preliminary
		Current Revision: 2.00-0A



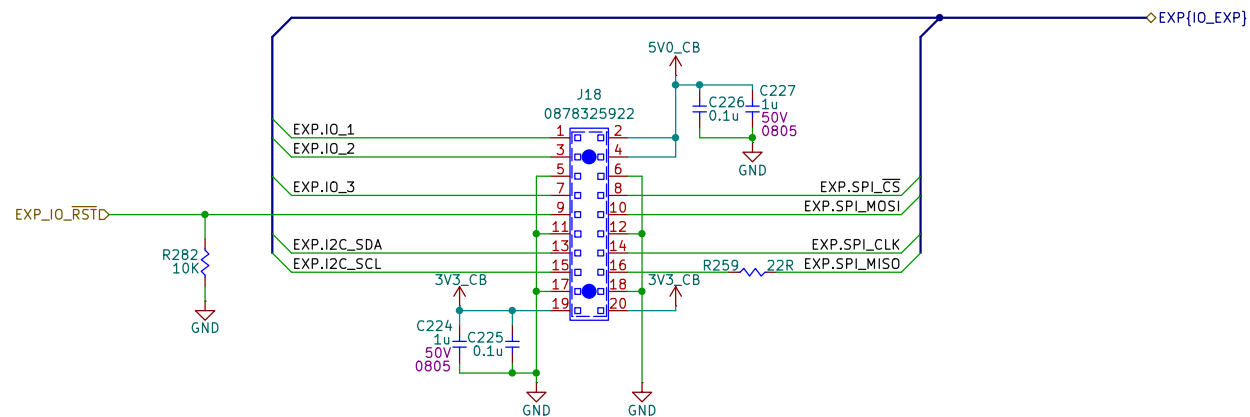






Revision	Change Order

Designed by: Jean-Francois Bilodeau P.Eng #6022173 203-1690 Rue des quatre-saisons Sherbrooke, Canada, J1E0N2 KiCad Rev 9.0		Logo Sheet Size: A4
Project: RPI CMx Carrier Sheet Title: AUDIO_CODEC.kicad_sch Date: 2025-12-07	Drawn by: Jean-Francois Bilodeau Approved by: Not applicable BOM: RPL_CMx_Carrier_2.00-0A_BOM	



Revision	Change Order

Designed by: Jean-Francois Bilodeau P.Eng #6022173 203-1690 Rue des quatre-saisons Sherbrooke, Canada, J1E0N2 KiCad Rev 9.0		Logo
Project: RPI CMx Carrier		Sheet Size: A4
Sheet Title: Expansion_Io.kicad_sch	Drawn by: Jean-Francois Bilodeau	Sheet: 18 of 20
Date: 2025-12-07	Approved by: Not applicable	Status: Preliminary
BOM: RPLCMx_Carrier_2.00-0A_BOM		Current Revision: 2.00-0A



