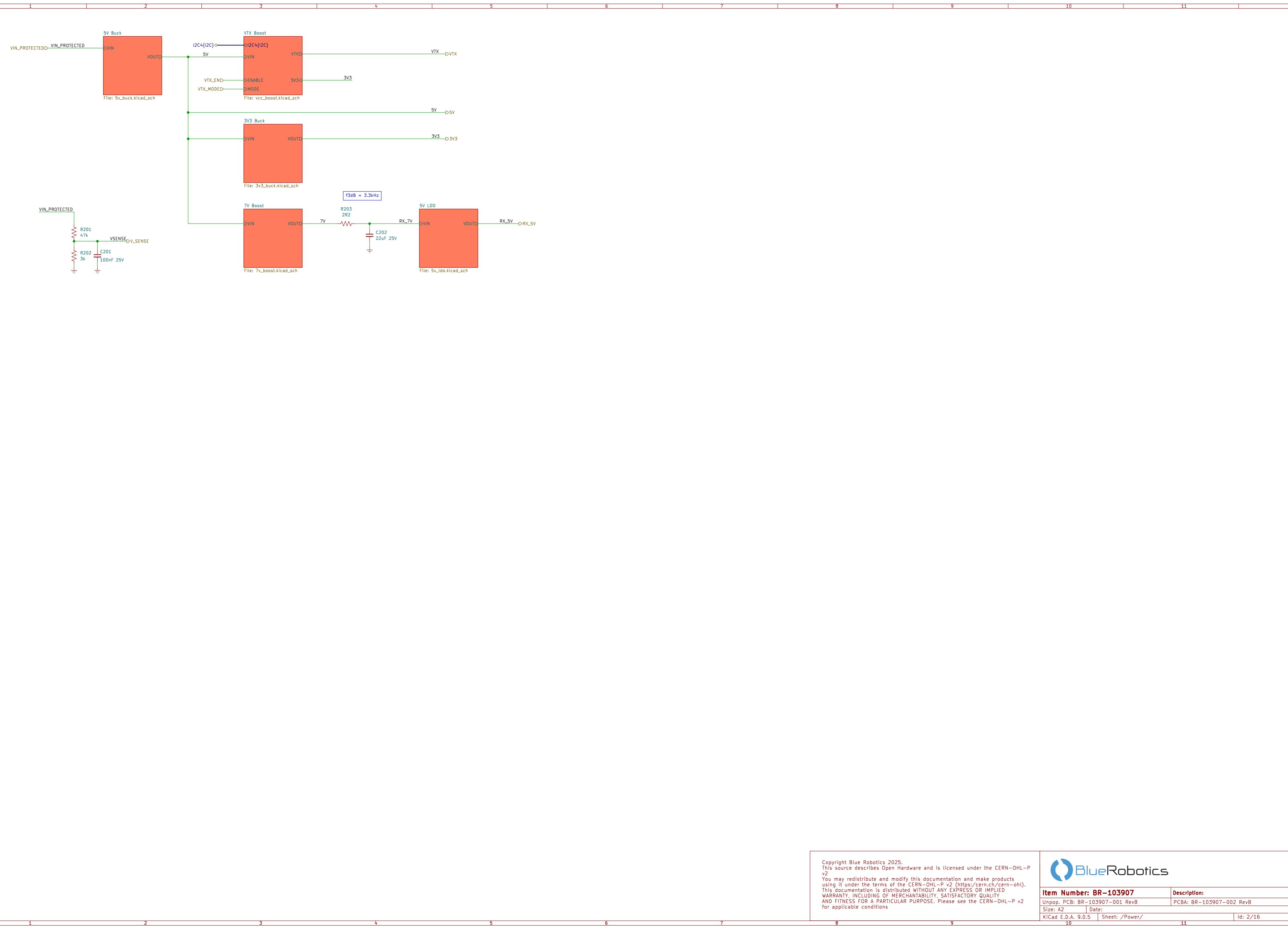


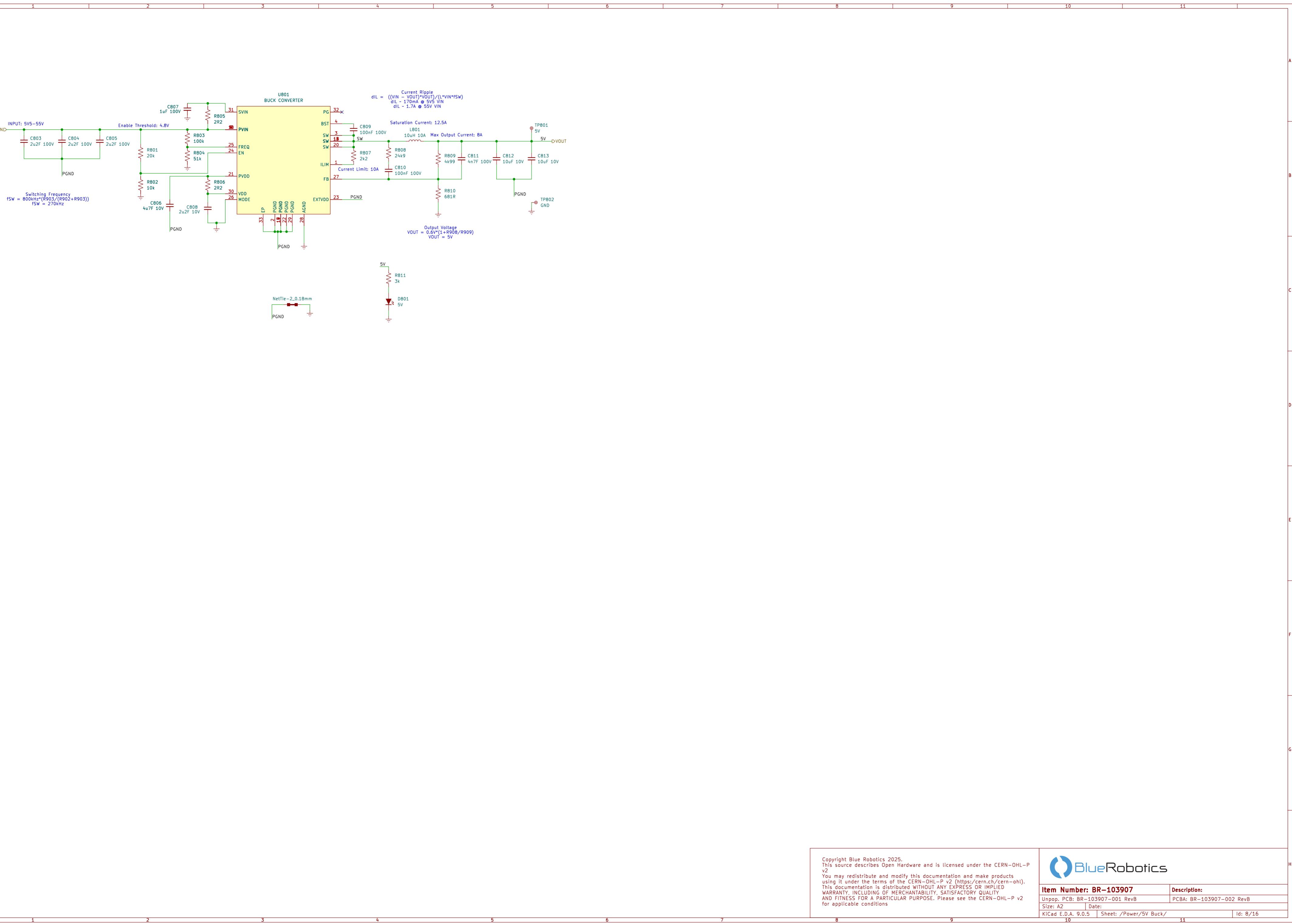
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Item Number: BR-103907	Description: Sonar Development Board
Unpop. PCB: BR-103907-001 RevB	PCBA: BR-103907-002 RevB
Size: A2	Date: 2025-06-13
KiCad E.D.A. 9.0.5	Sheet: /

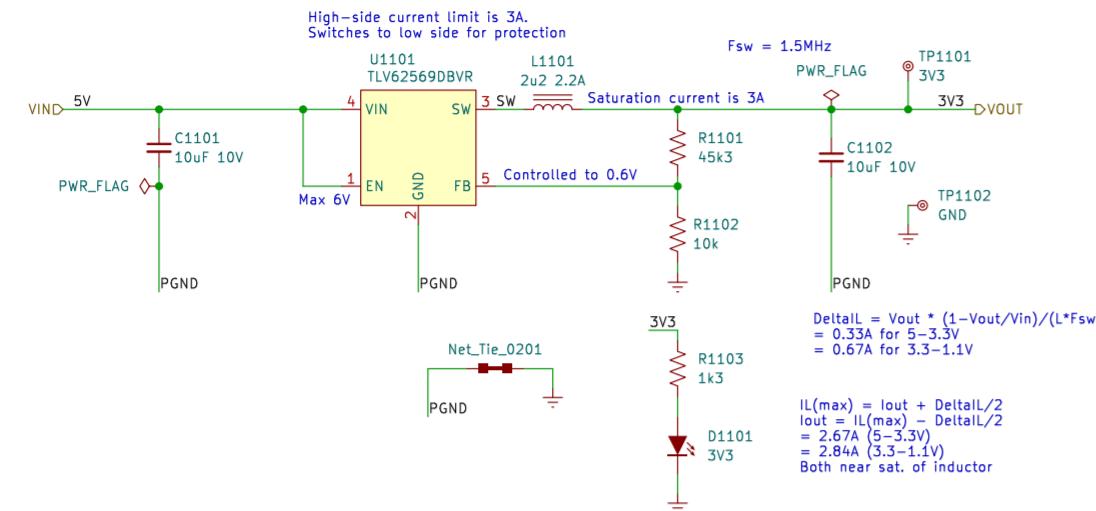


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Item Number: BR-103907	Description:
Unpop. PCB: BR-103907-001 RevB	PCBA: BR-103907-002 RevB
Size: A2	Date:
KiCad E.D.A. 9.0.5	Sheet: /Power/
	Id: 2/16



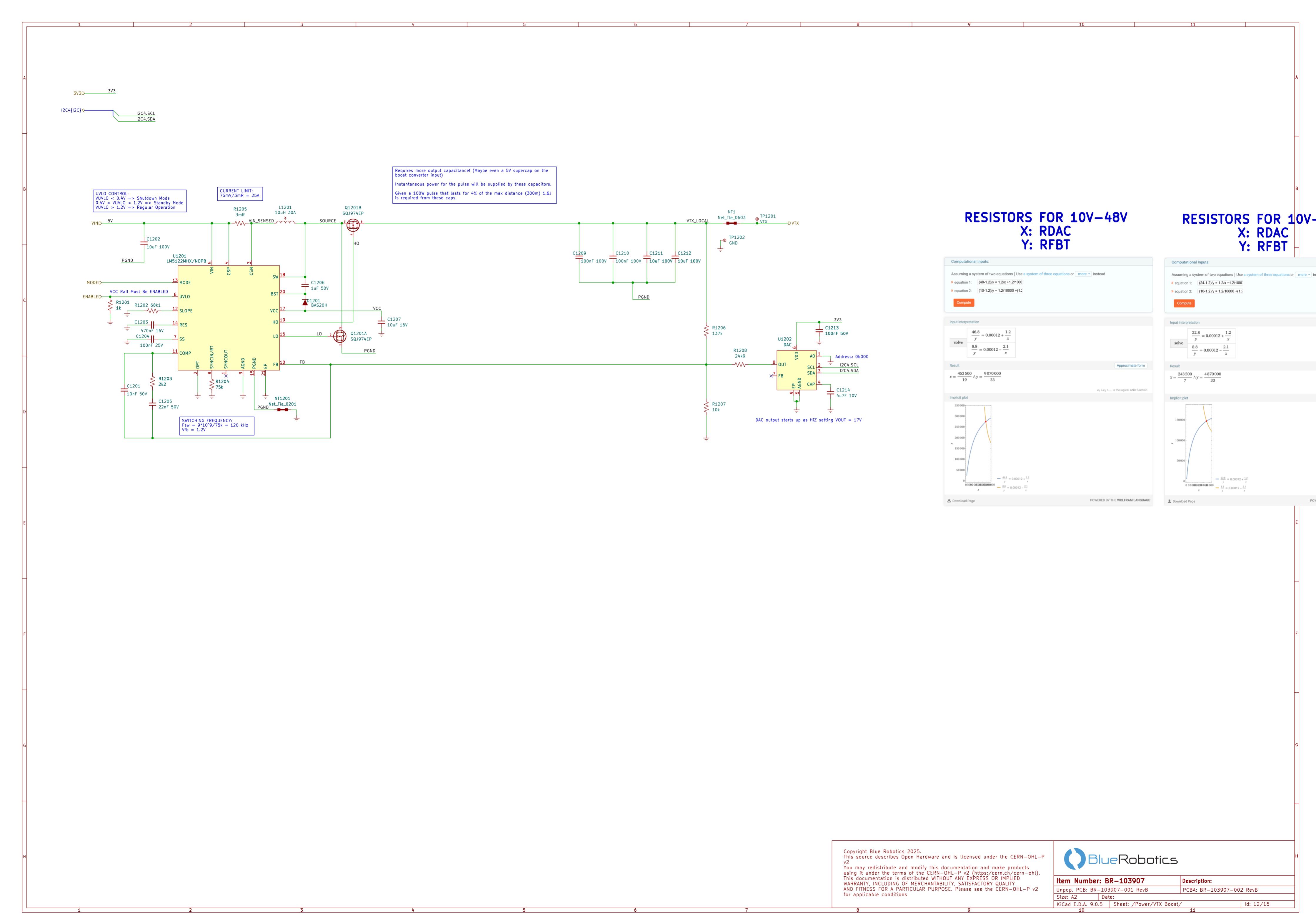
OUTPUT VOLTAGE:  
VOUT:  $(0.6V * (RSET + 10k)) / 10k$



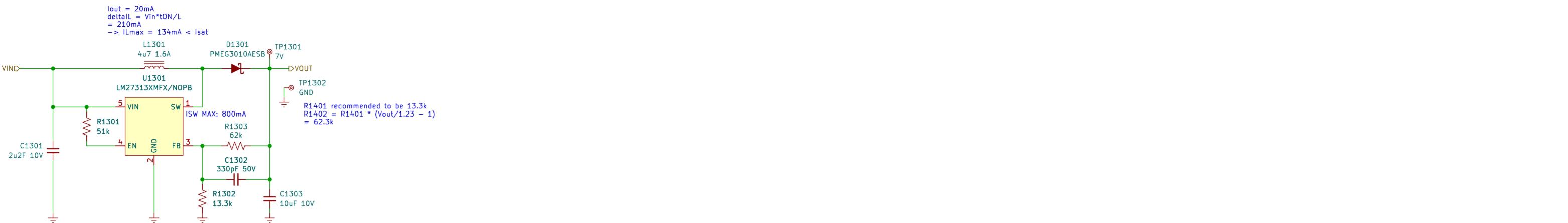
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Item Number: BR-103907	Description:
Unpop. PCB: BR-103907-001 RevB	PCBA: BR-103907-002 RevB
Size: A2	Date:
KiCad E.D.A. 9.0.5	Sheet: /Power/3V3 Buck/

1	2	3	4	5	6	7	8	9	10	11
A	B	C	D	E	F	G	H	I	J	K



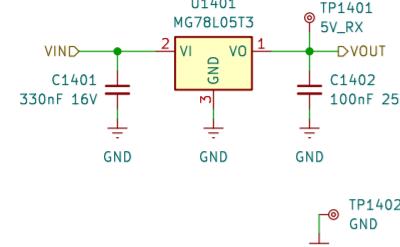
Vin = 5V  
 Vout = 7V  
 Vout = Vin/(1-D)  
 -> D = 31.5% (including diode drop)  
 -> tON = 197ns



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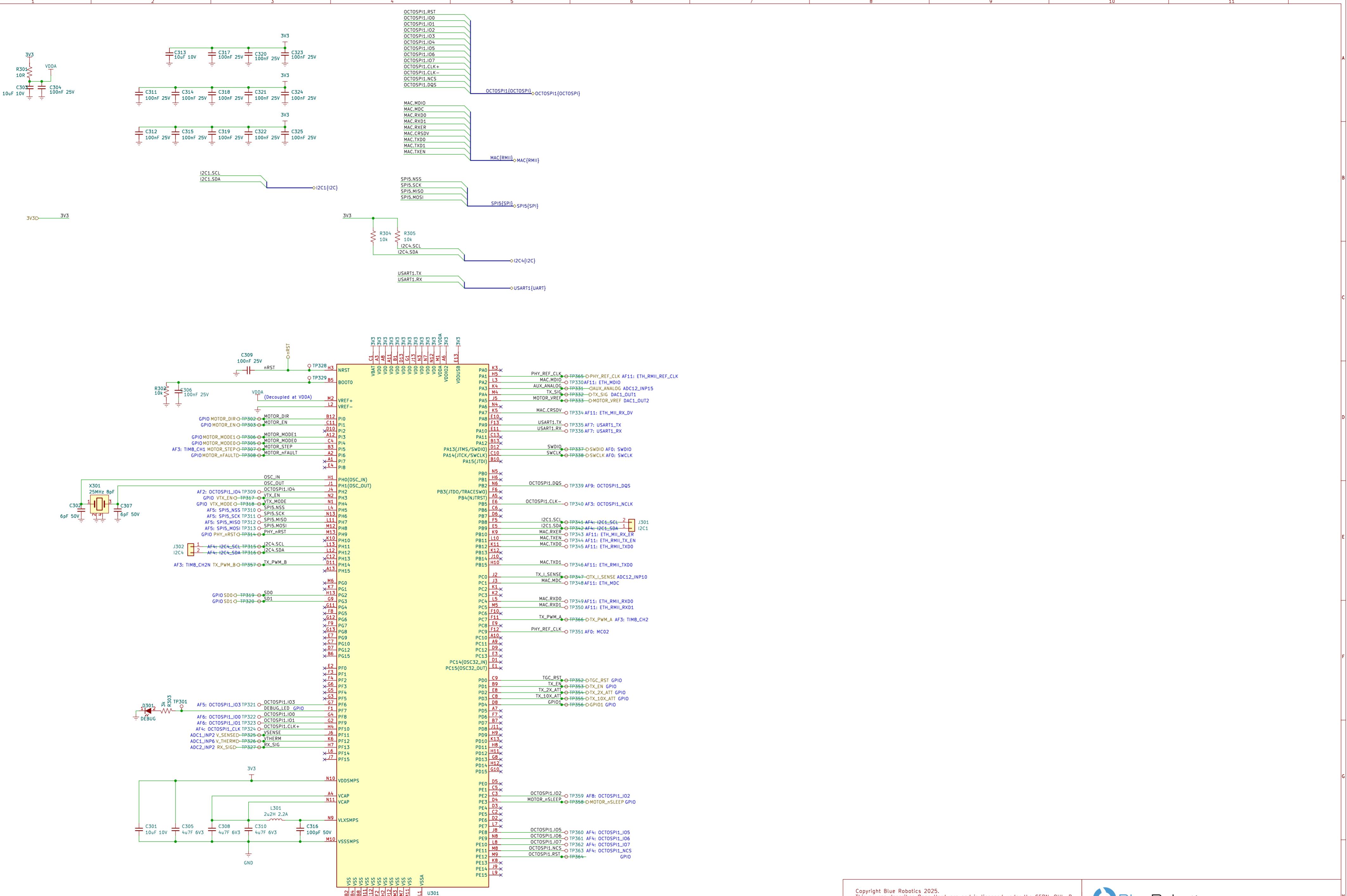
<b>Item Number:</b> BR-103907	<b>Description:</b>
Unpop. PCB: BR-103907-001 RevB	PCBA: BR-103907-002 RevB
Size: A2	Date:
KiCad E.D.A. 9.0.5	Sheet: /Power/7V Boost/



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<b>Item Number:</b> BR-103907	<b>Description:</b>
Unpop. PCB: BR-103907-001 RevB	PCBA: BR-103907-002 RevB
Size: A2	Date:
KiCad E.D.A. 9.0.5	Sheet: /Power/5V LDO/

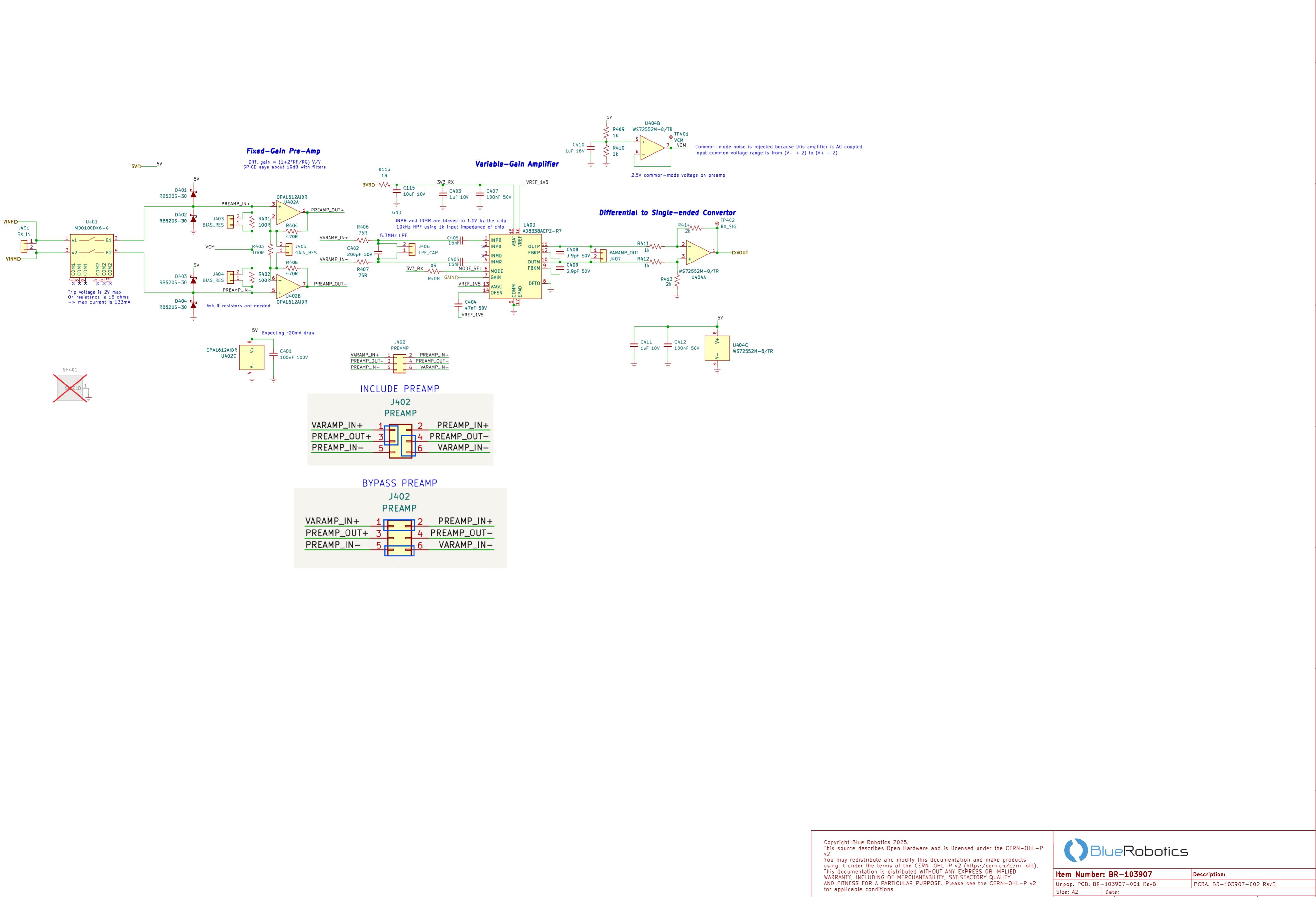
Id: 14/16

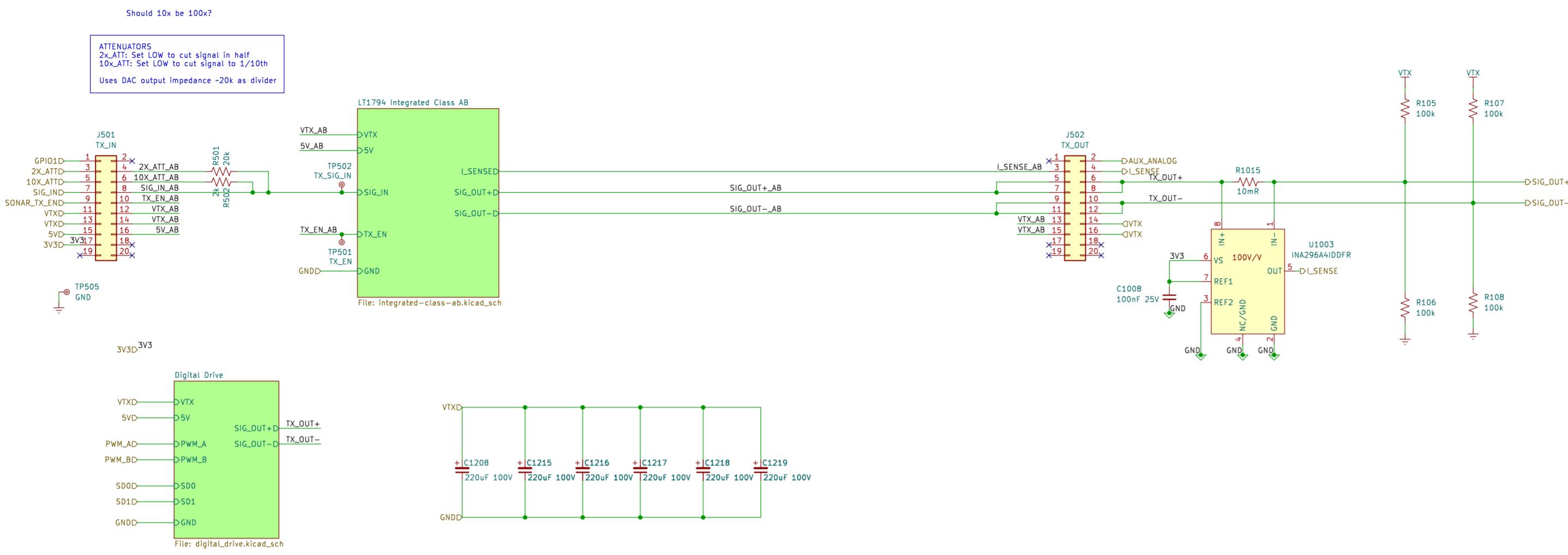
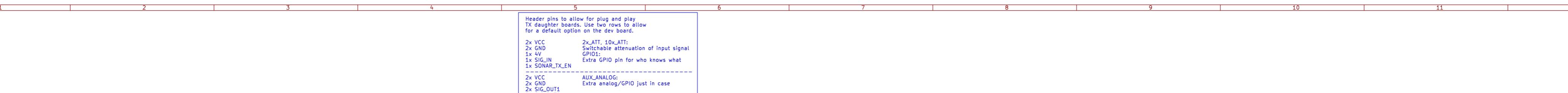


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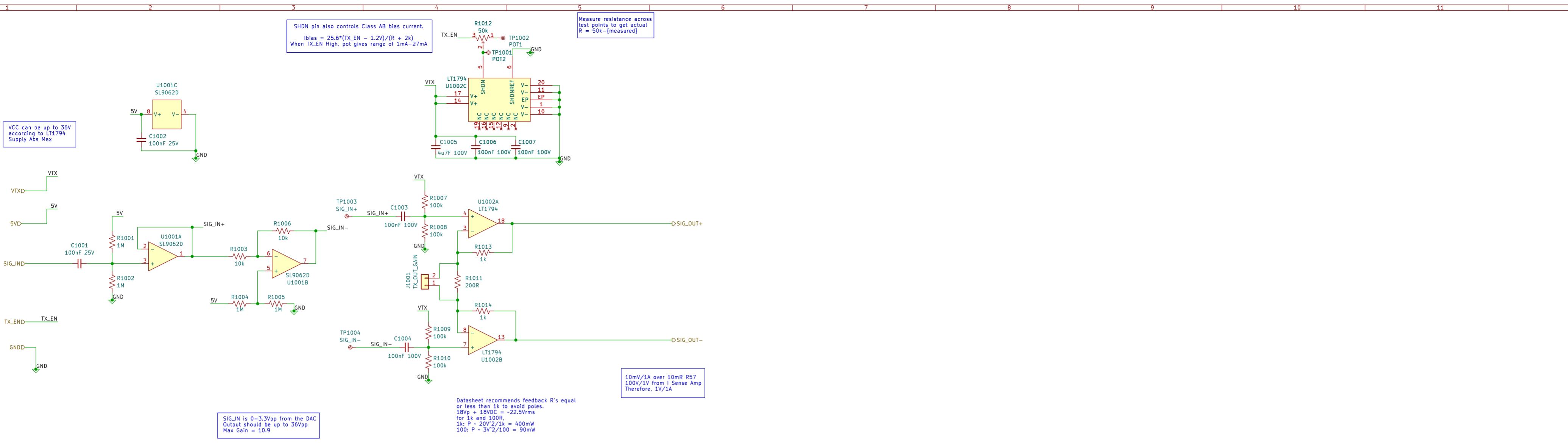
<b>Item Number:</b> BR-103907	<b>Description:</b>
Pop. PCB: BR-103907-001 RevB	PCBA: BR-103907-002 RevB
Date: A2	Date:
Cad E.D.A. 9.0.5	Sheet: /MCU/
10	11
	Id: 3/16





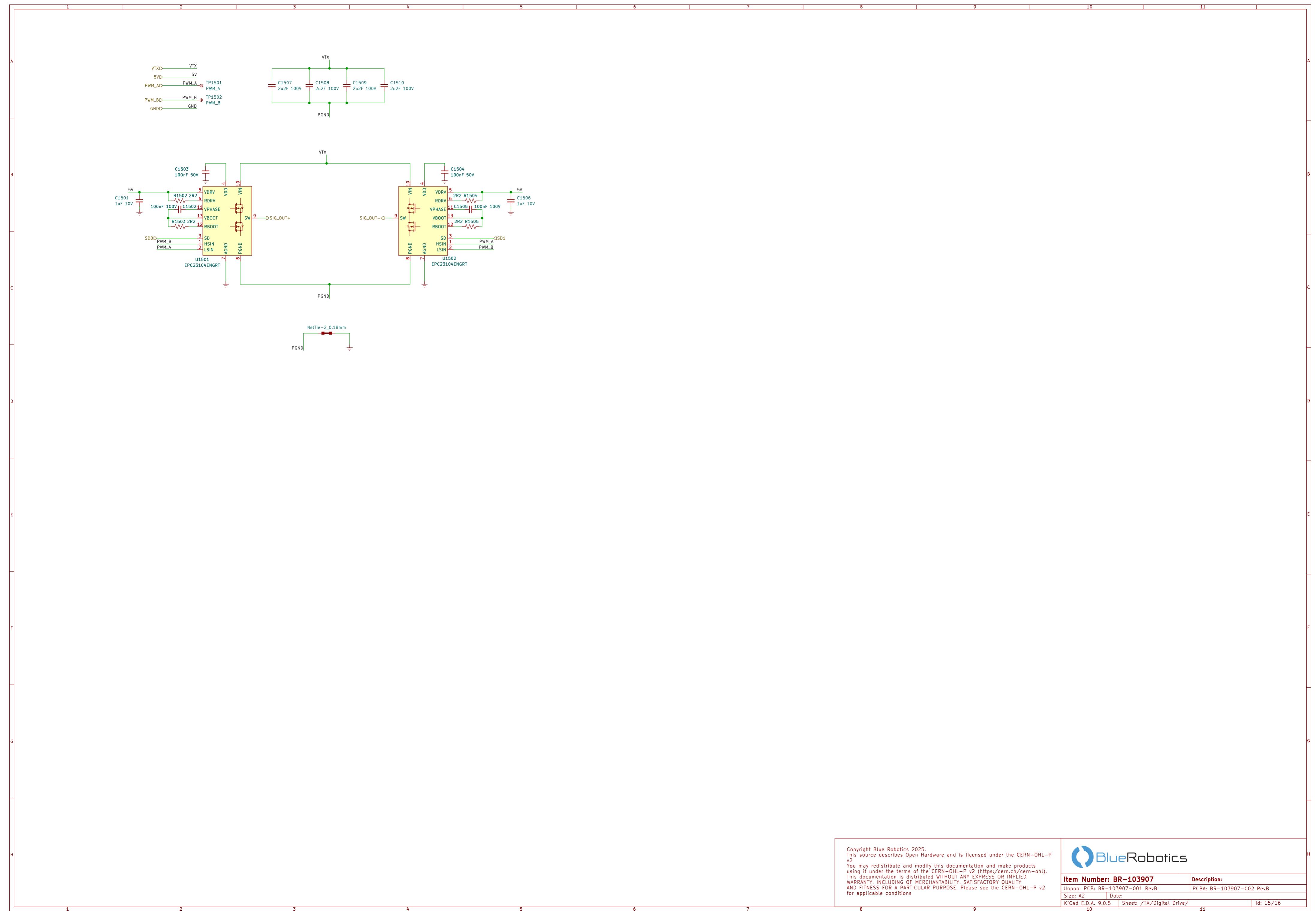
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Item Number: BR-103907	Description:
Unpop. PCB: BR-103907-001 RevB	PCBA: BR-103907-002 RevB
Size: A2	Date:
KiCad E.D.A. 9.0.5	Sheet: /TX/



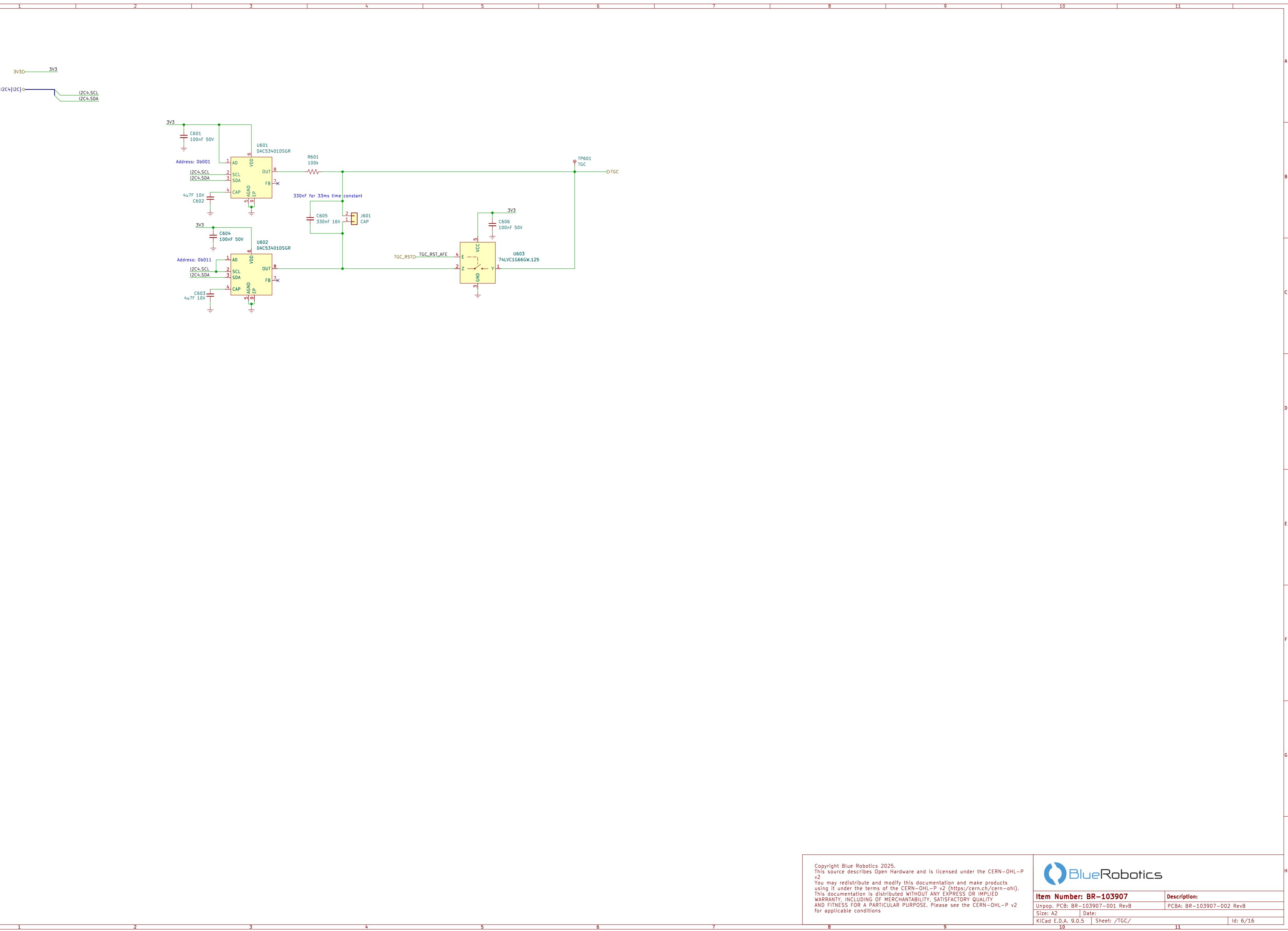
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Item Number: BR-103907	Description:
Unpop. PCB: BR-103907-001 RevB	PCBA: BR-103907-002 RevB
Size: A2	Date:
KiCad E.D.A. 9.0.5	Sheet: /TX/LT1794 Integrated Class AB/
	Id: 10/16



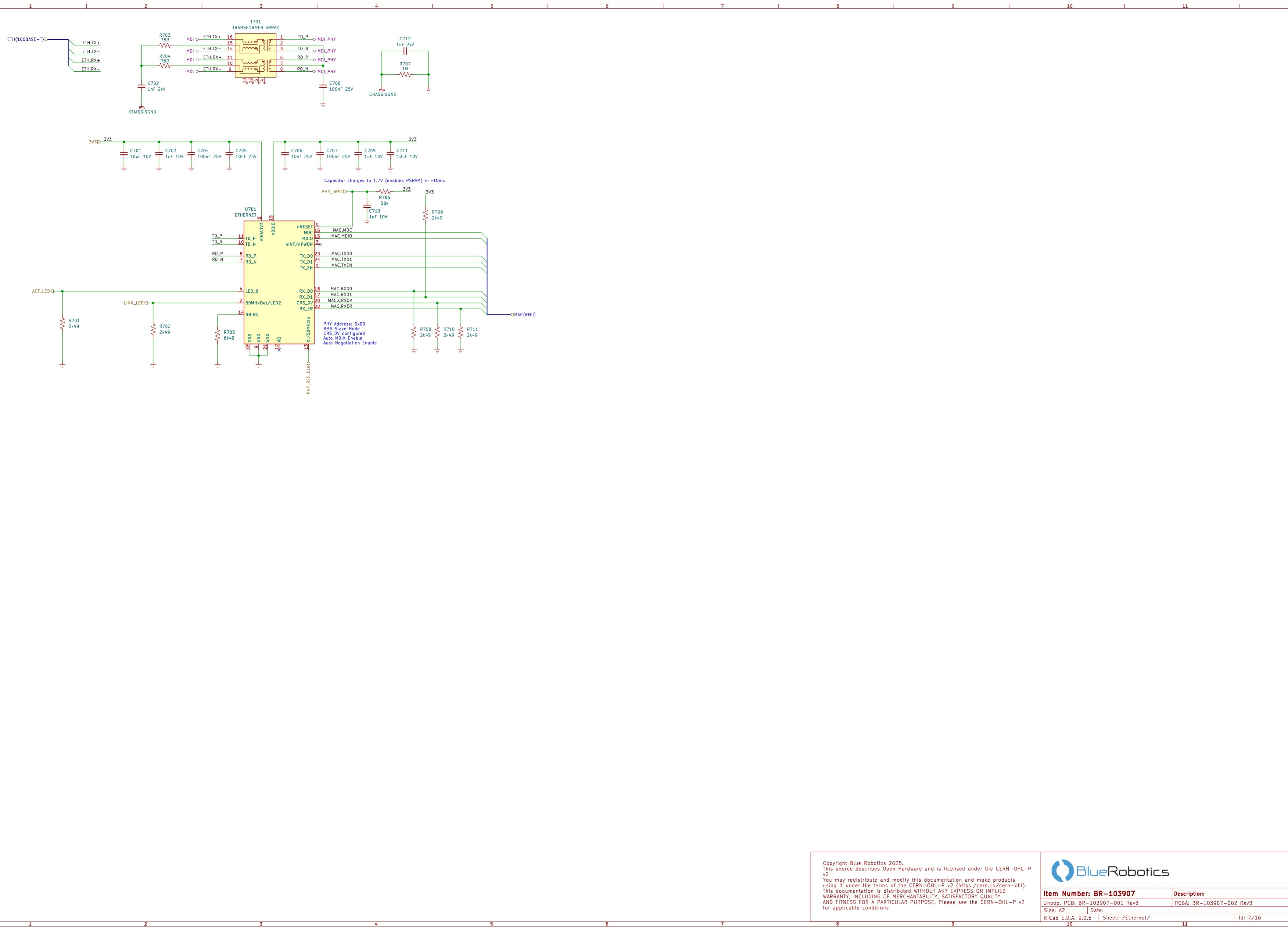
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Item Number: BR-103907	Description:
Unpop. PCB: BR-103907-001 RevB	PCBA: BR-103907-002 RevB
Size: A2	Date:
KiCad E.D.A. 9.0.5	Sheet: /TX/Digital Drive/



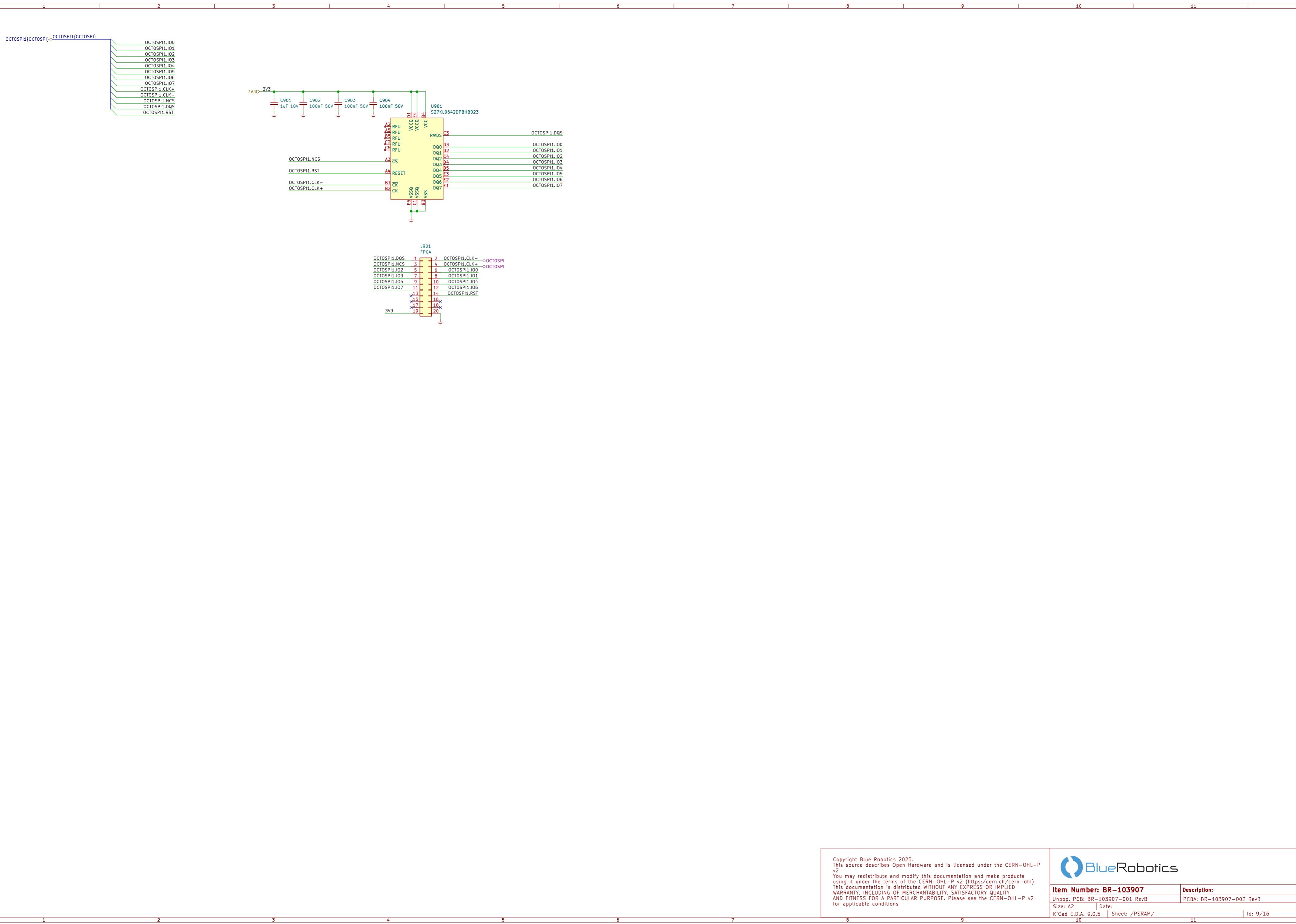
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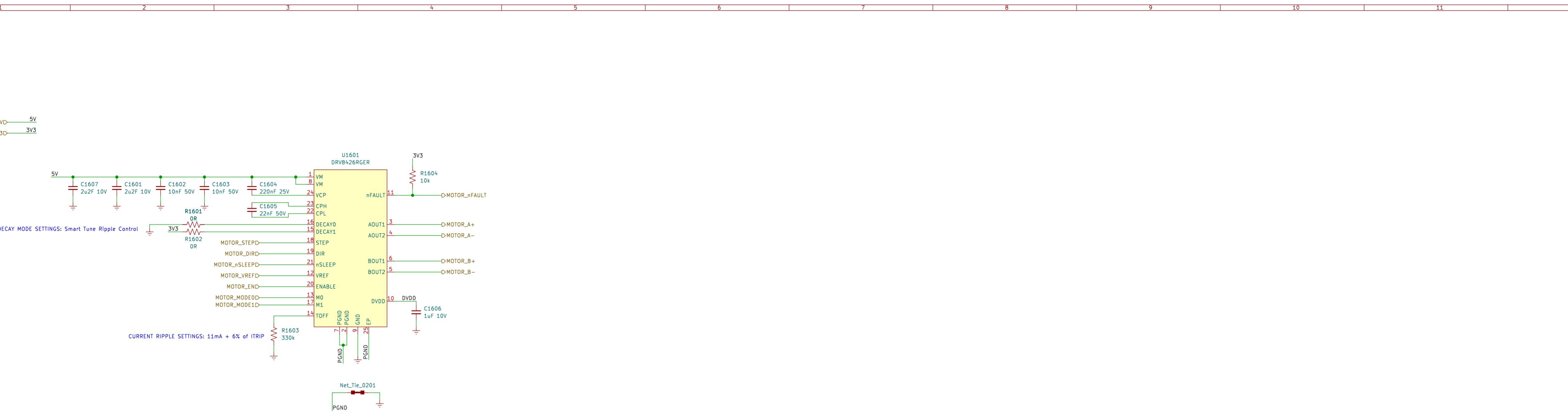
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Item Number: BR-103907	Description:
Unpop. PCB: BR-103907-001 RevB	PCBA: BR-103907-002 RevB
Size: A2	Date:
KiCad E.D.A. 9.0.5	Sheet: /Ethernet/



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**Item Number: BR-103907** **Description:**  
 Unpop. PCB: BR-103907-001 RevB PCBA: BR-103907-002 RevB  
 Size: A2 Date:  
 KiCad E.D.A. 9.0.5 Sheet: /PSRAM/  
 Id: 9/16



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Item Number: BR-103907	Description:
Unpop. PCB: BR-103907-001 RevB	PCBA: BR-103907-002 RevB
Size: A2	Date:
KiCad E.D.A. 9.0.5	Sheet: /Stepper Driver/
	Id: 16/16