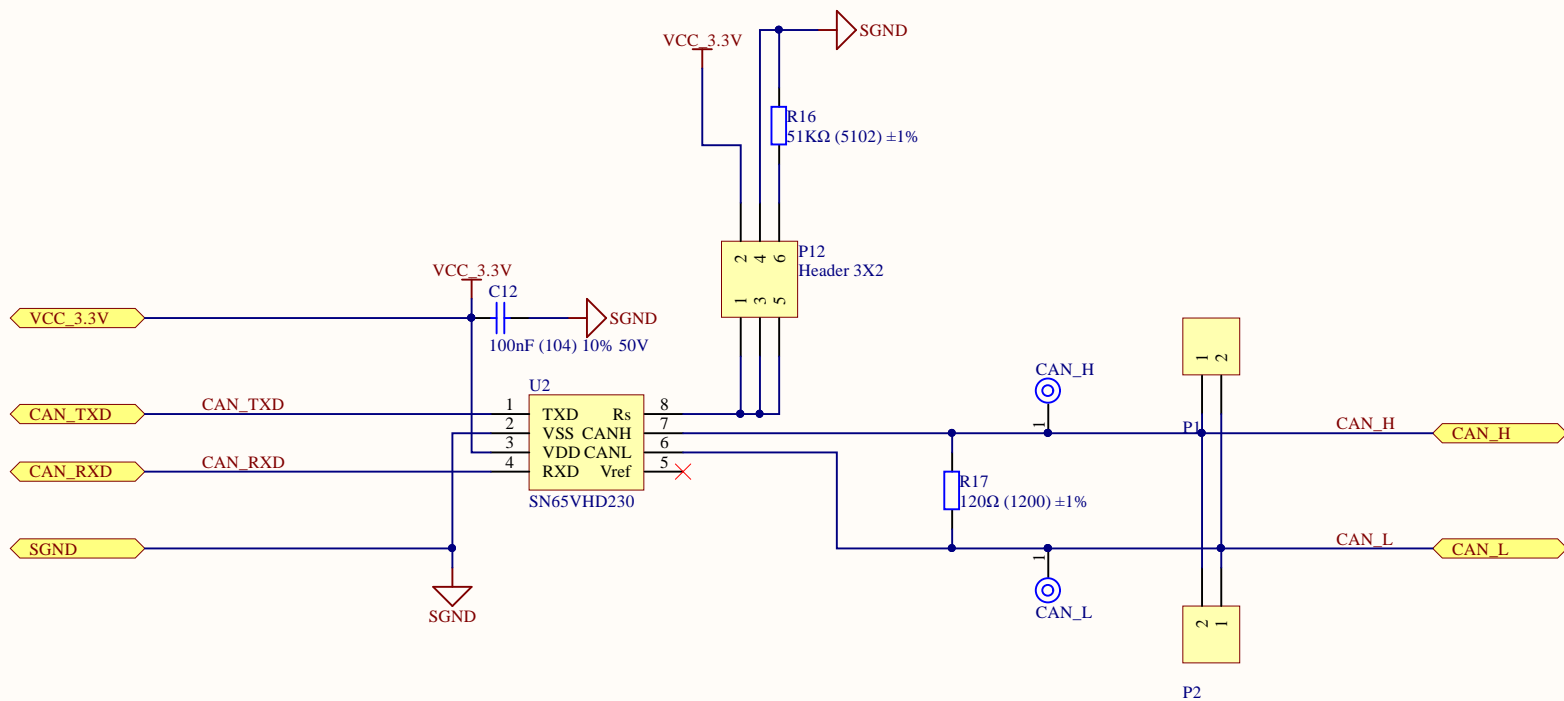
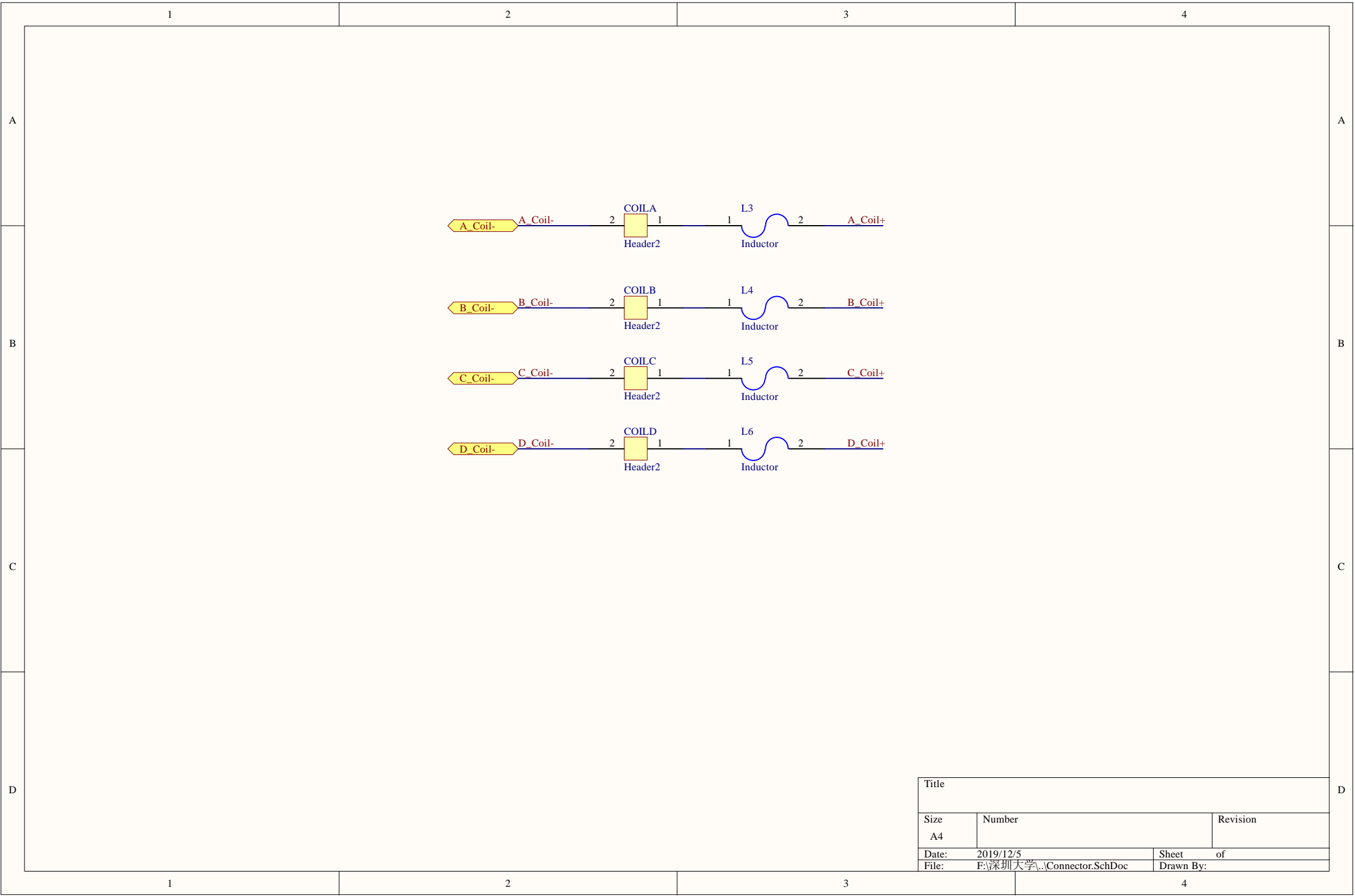


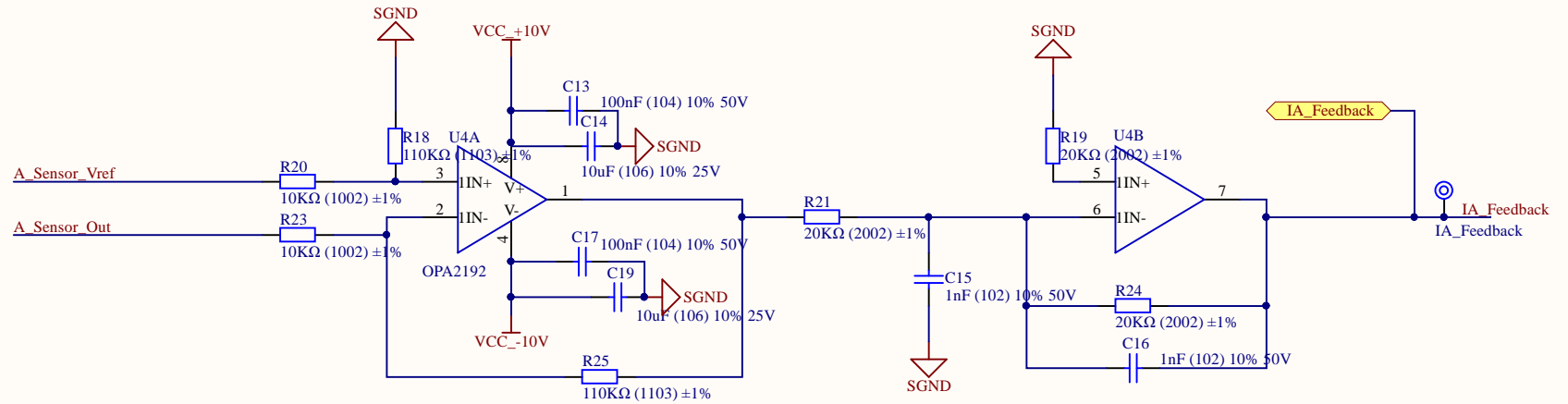
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Size	Number	Revision
A4		
Date:	2019/12/5	Sheet of
File:	F:\深圳大学\Block Diagram.SchDoc	Drawn By:



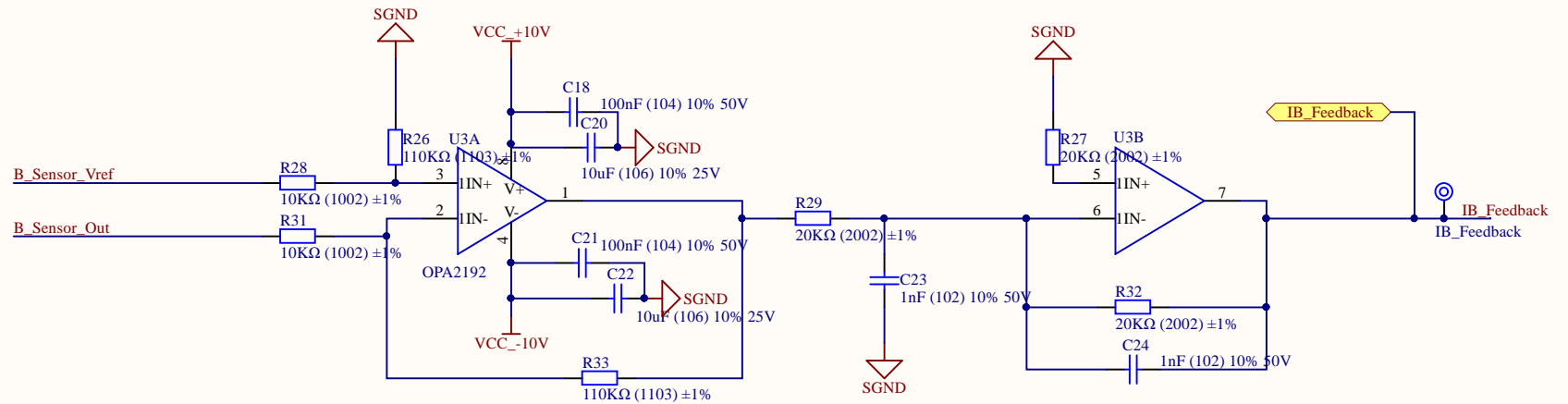
CAN Bus Transceiver

Title		
Size A4	Number	Revision
Date: 2019/12/5	Sheet of	
File: F:\深圳大学\CAN-Bus.SchDoc	Drawn By:	





Current Measurement-Coil A



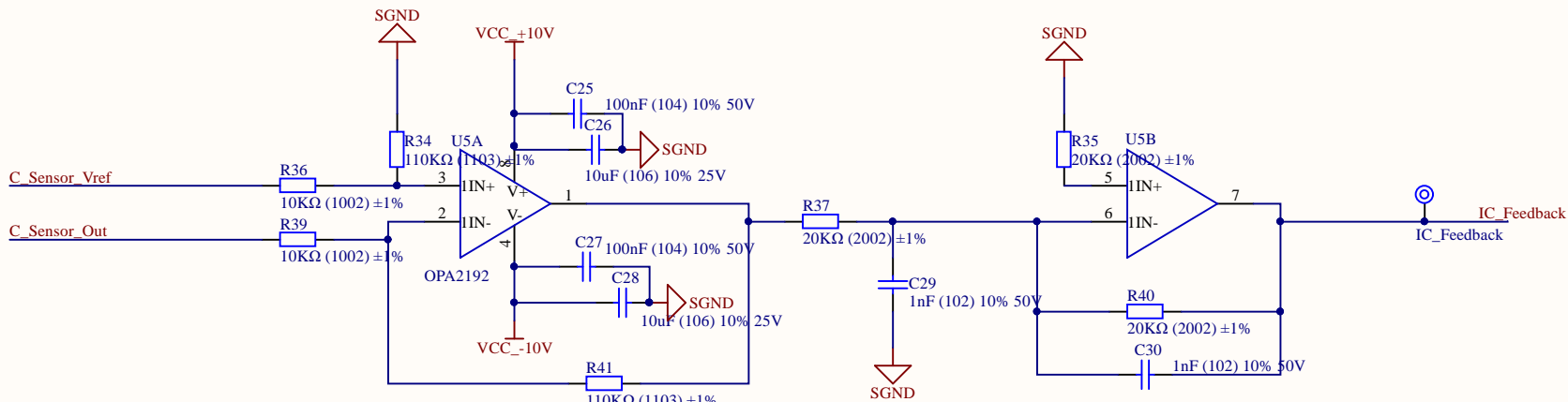
Amplification: 11
 Current Range: $\pm 20\text{A}$
 Max Output: $\pm 20\text{A} \times 0.04167\text{V/A} \times 11 = \pm 9.1674\text{V}$

$$2192_I_supply = 1.2\text{mA} + I_o$$

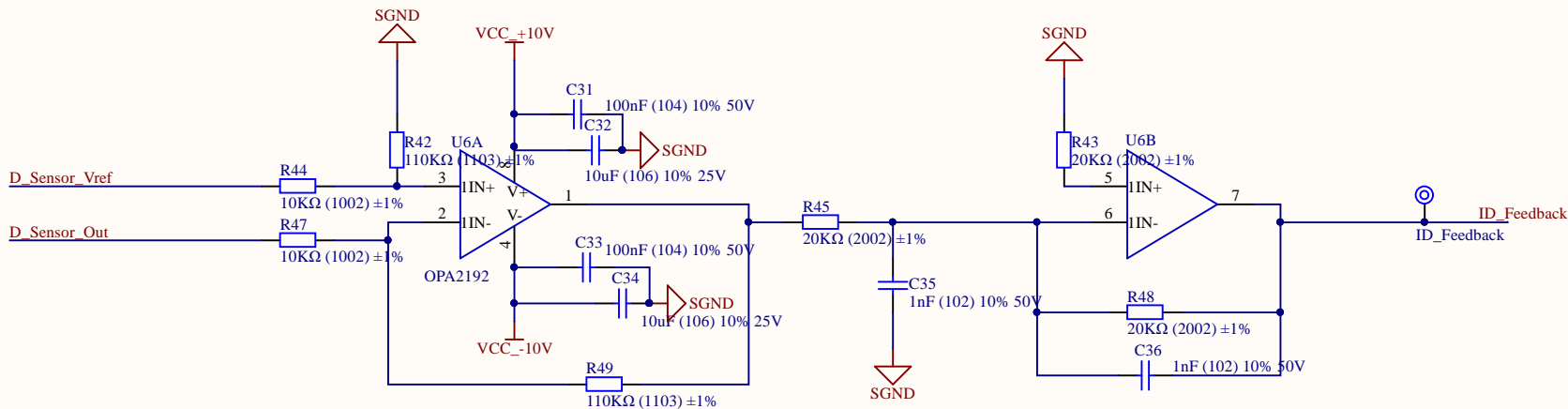
LPF 7961.8Hz

LPF 7961.8Hz

Current Measurement-Coil B



Current Measurement-Coil C



Amplification: 11
 Current Range: $\pm 20A$
 Max Output: $\pm 20A \times 0.04167V/A \times 11 = \pm 9.1674V$

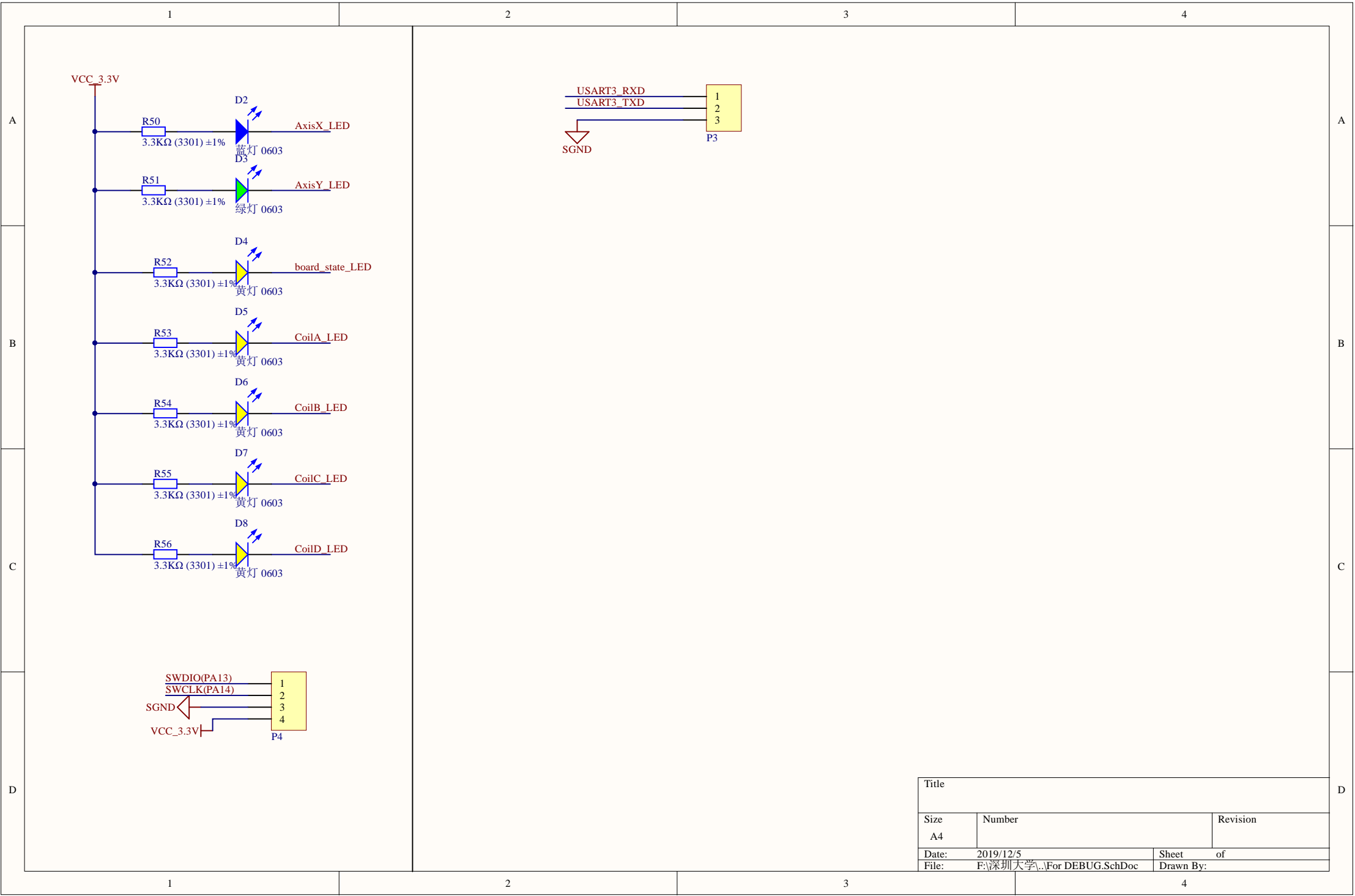
$2192_I_supply = 1.2mA + I_o$

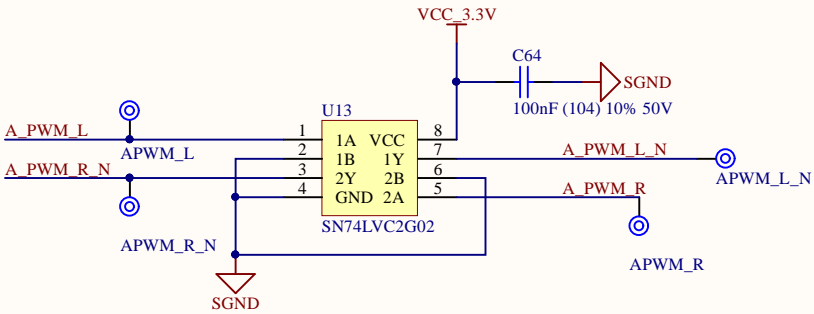
LPF 7961.8Hz

LPF 7961.8Hz

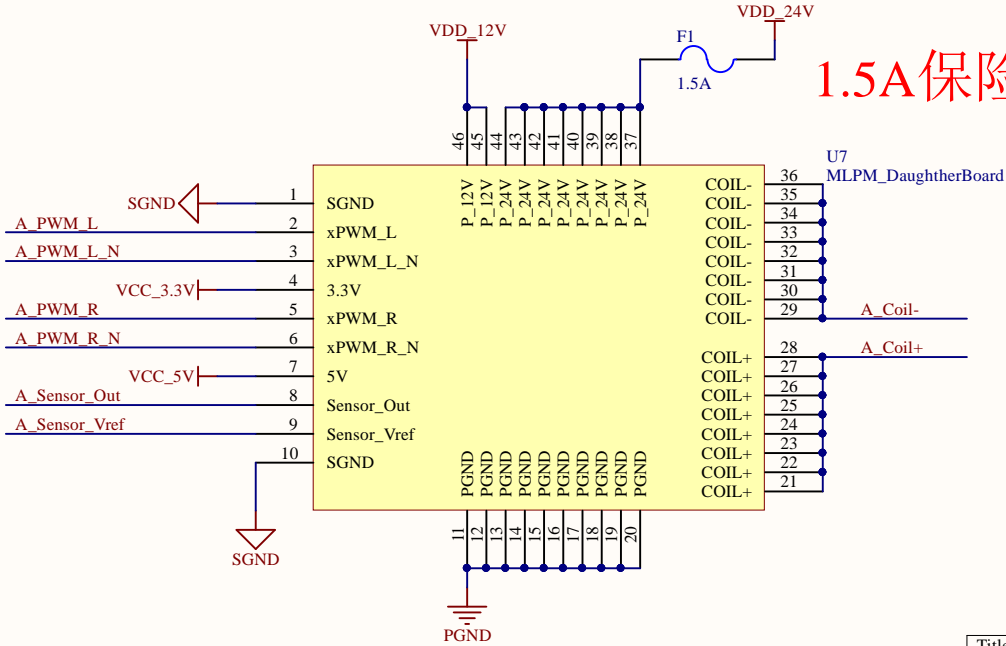
Current Measurement-Coil D

Title		
Size	Number	Revision
A4		
Date:	2019/12/5	Sheet of
File:	F:\深圳大学\Current_Measurement_Circuit\	Drawn By:





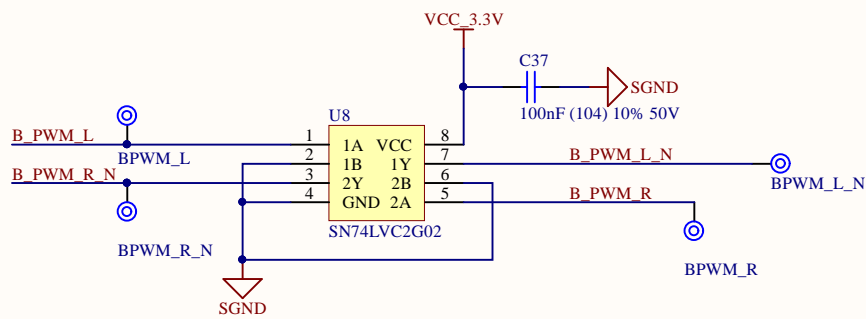
NOR Gate



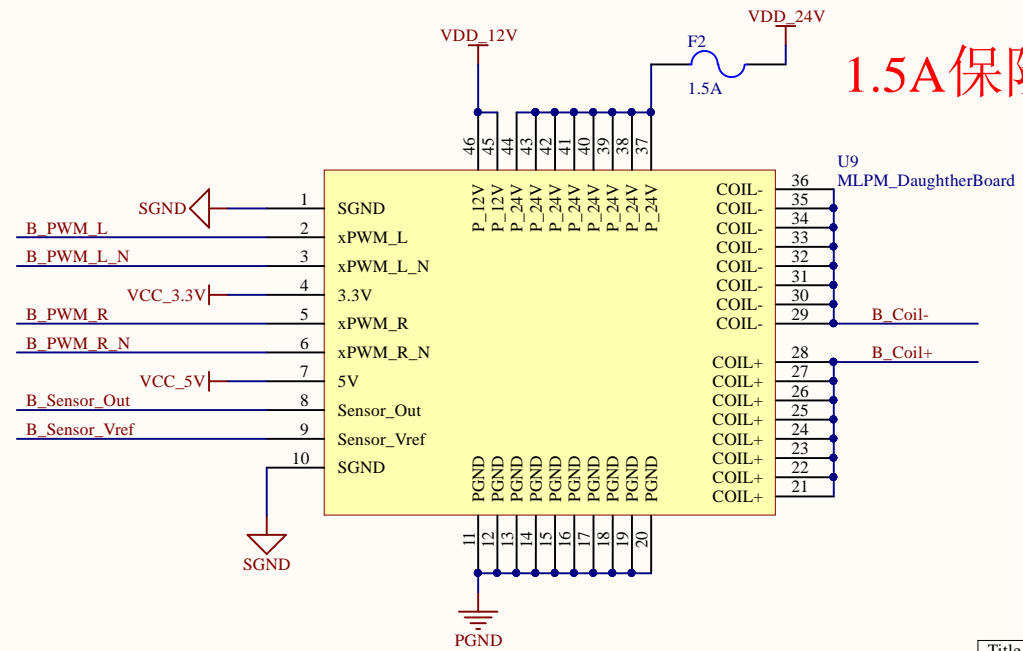
1.5A 保险管

DaughterBoard

Title		
Size	Number	Revision
A4		
Date:	2019/12/5	Sheet of
File:	F:\深圳大学\Full-H Bridge_A.SchDoc	Drawn By:



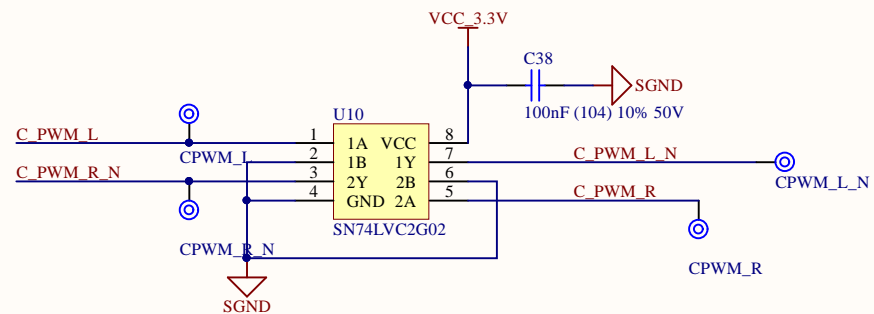
NOR Gate



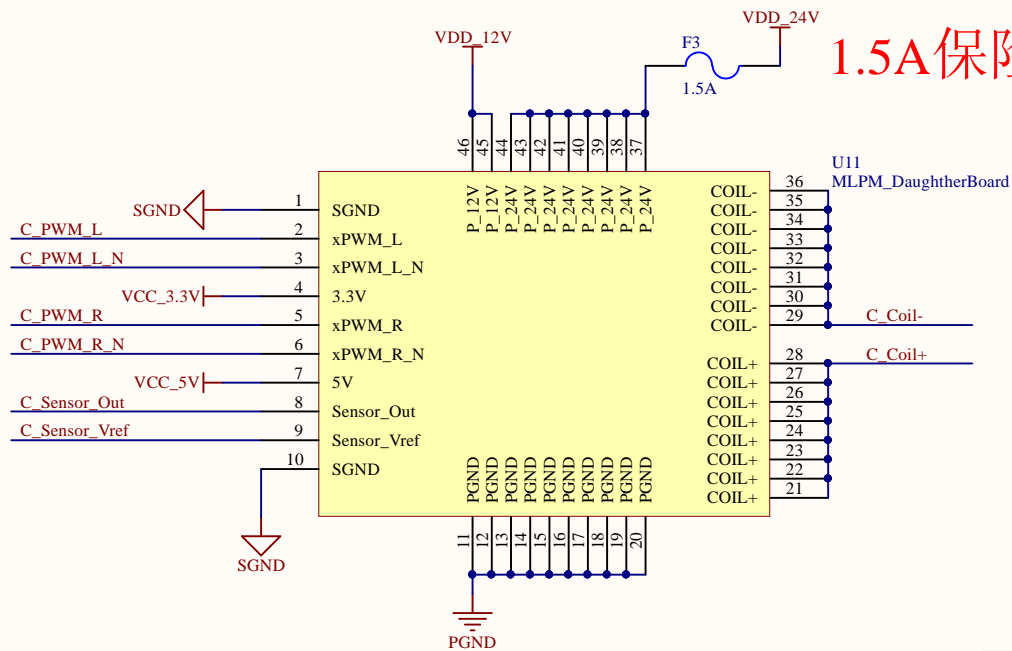
1.5A 保险管

DaughterBoard

Title		
Size A4	Number	Revision
Date: 2019/12/5	Sheet of	
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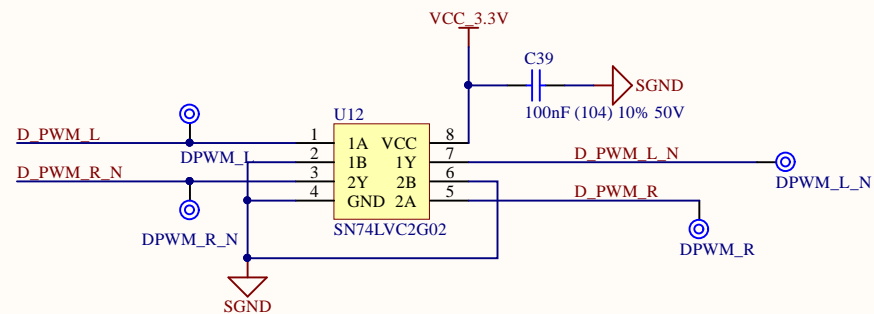


NOR Gate

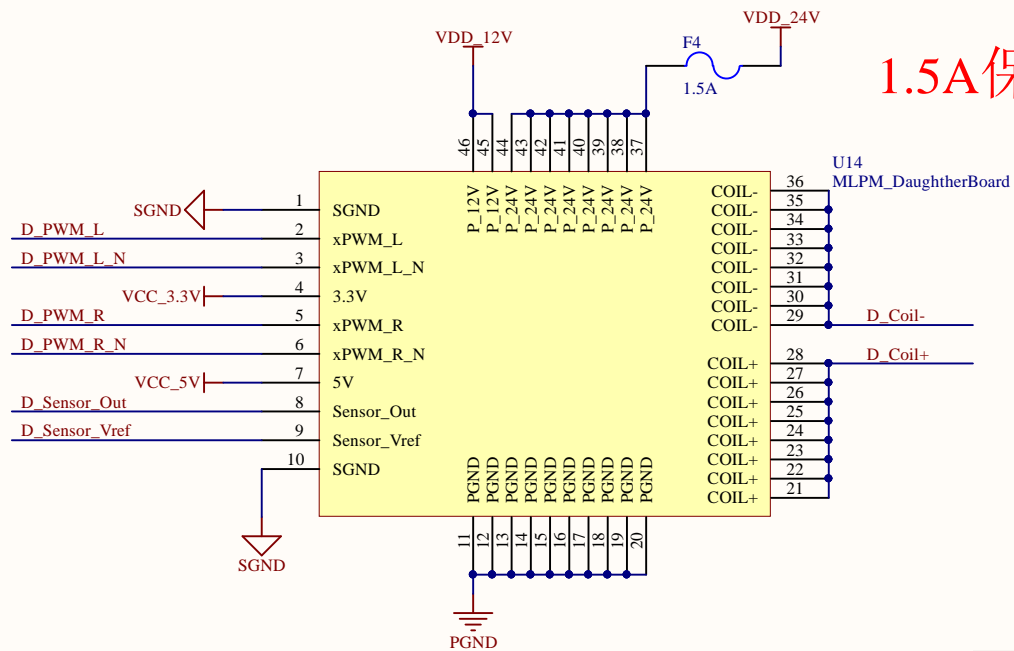


DaughterBoard

Title		
Size A4	Number	Revision
Date: 2019/12/5	Sheet of	
File: F:\深圳大学\Full-H Bridge_C.SchDoc	Drawn By:	



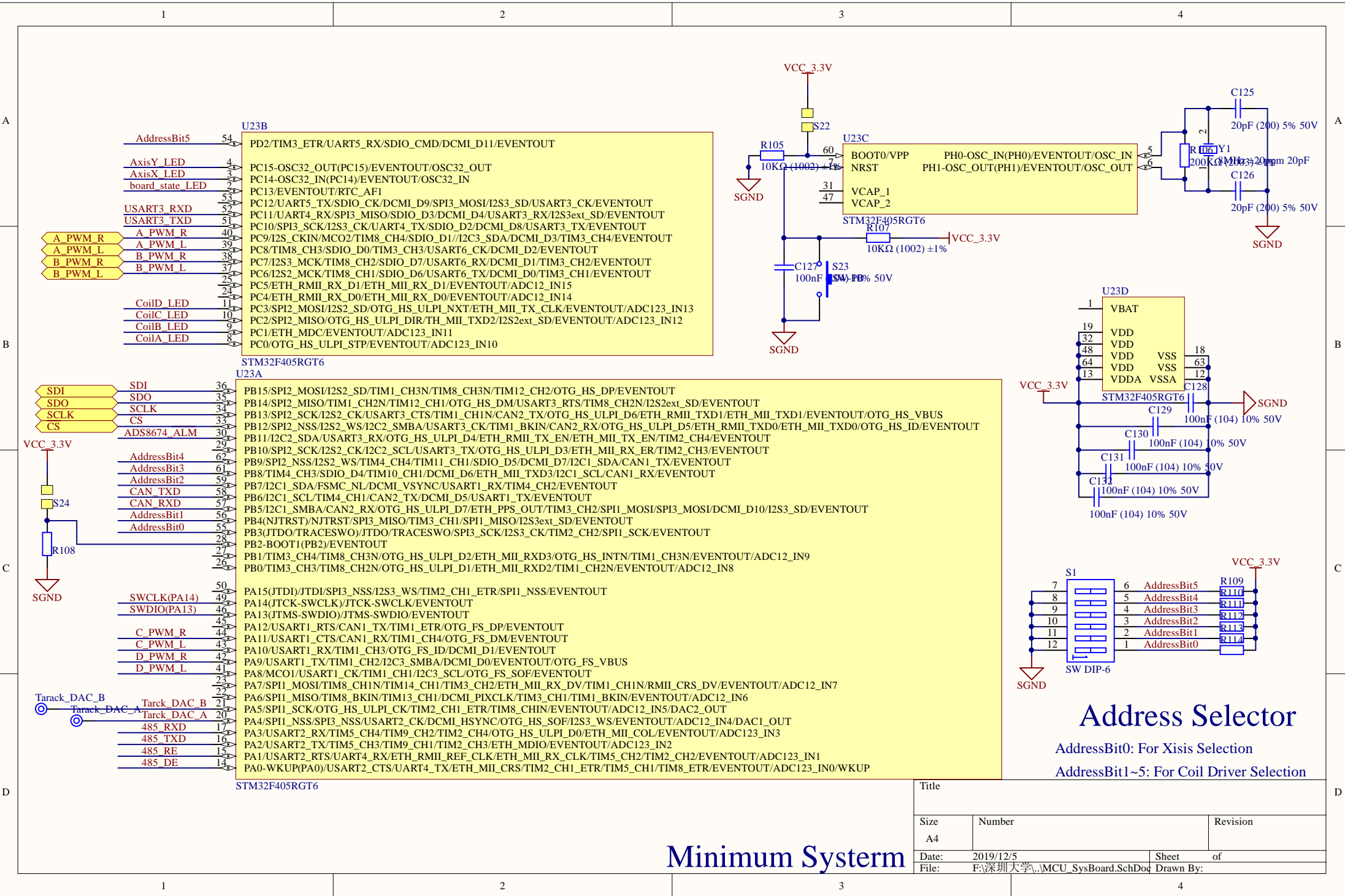
NOR Gate



1.5A 保险管

DaughterBoard

Title		
Size	Number	Revision
A4		
Date:	2019/12/5	Sheet of
File:	F:\深圳大学\Full-H Bridge_D.SchDoc	Drawn By:



Minimum System

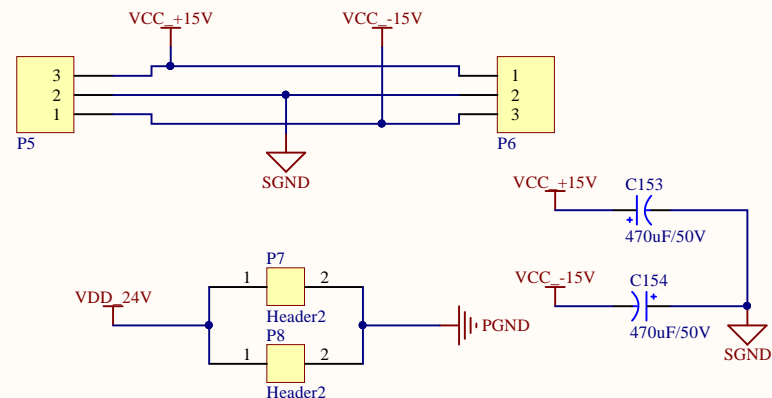
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A4		
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1

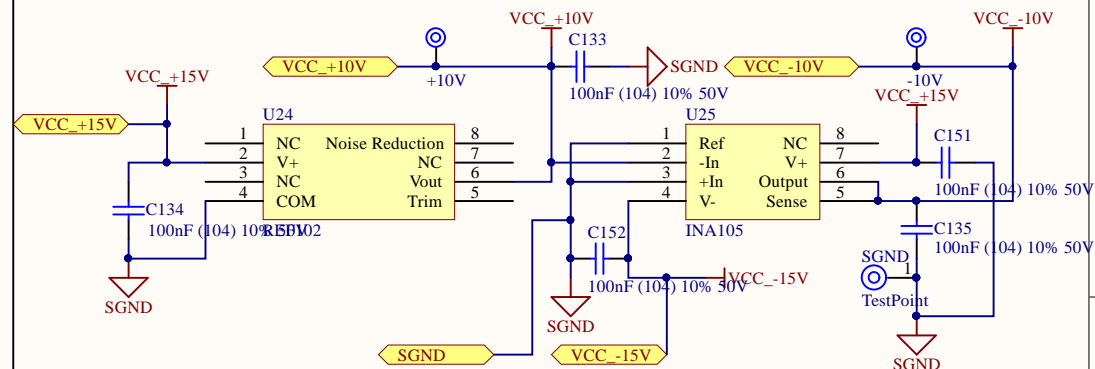
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3

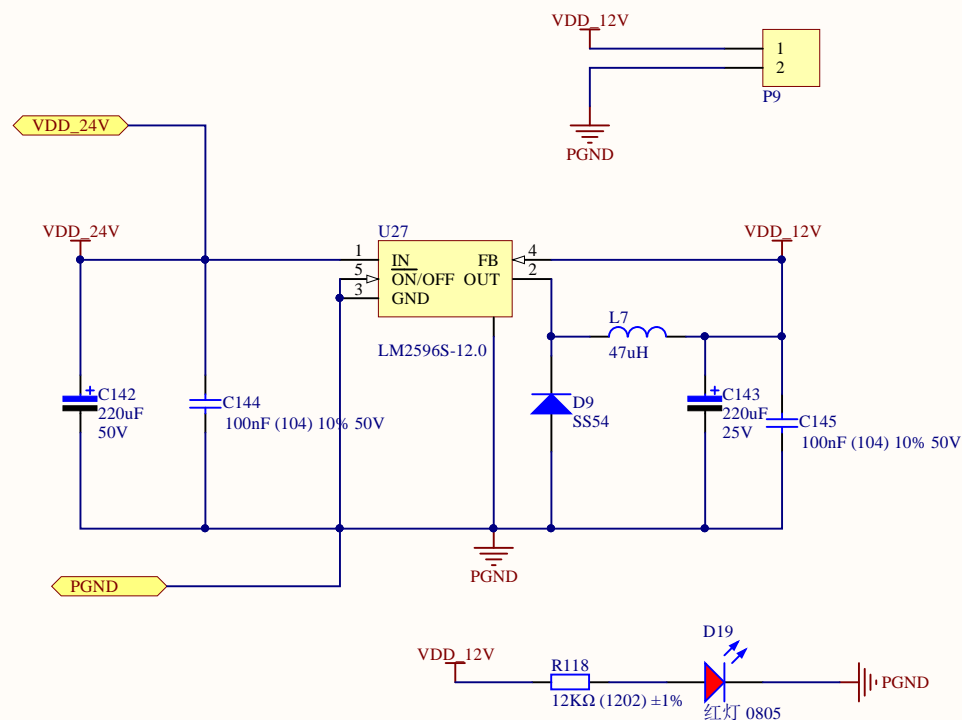
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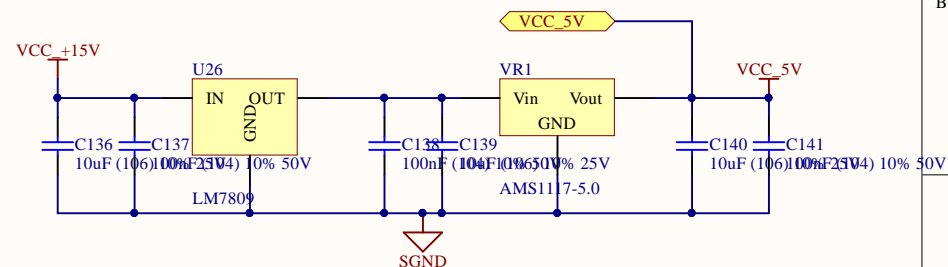
POWER_IN



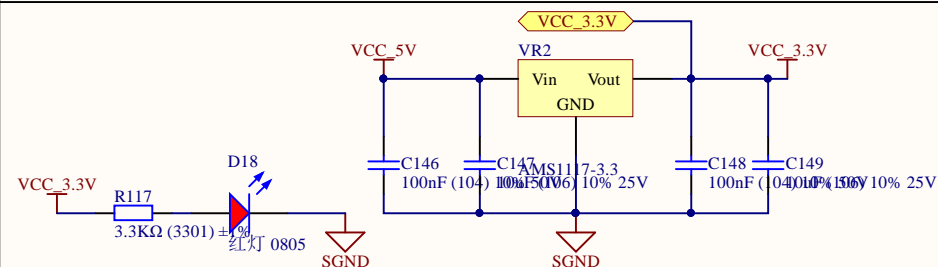
+-15V~+-10V/ Noise: 5uV TYP 10mA Limit



VDD24V~VDD12V / Noise: 300mV 500K TYP



+15V~5V / Noise: 150uV TYP



5V~3.3V / Noise: 150uV TYP

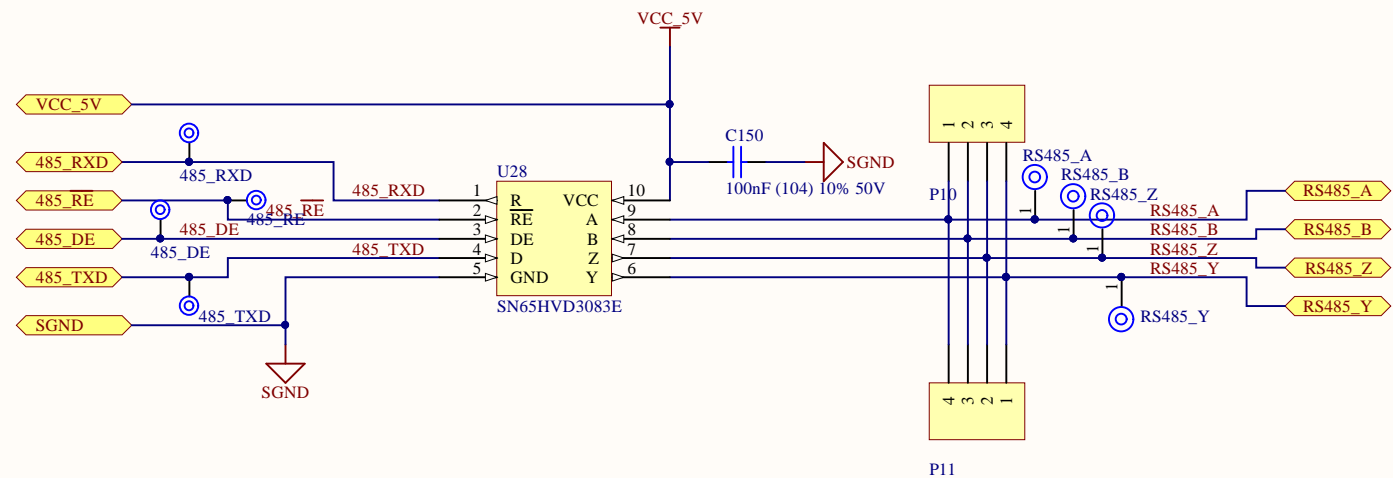
Title		
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Date:	2019/12/5	Sheet of
File:	F:\深圳大学\Power.SchDoc	Drawn By:

1

2

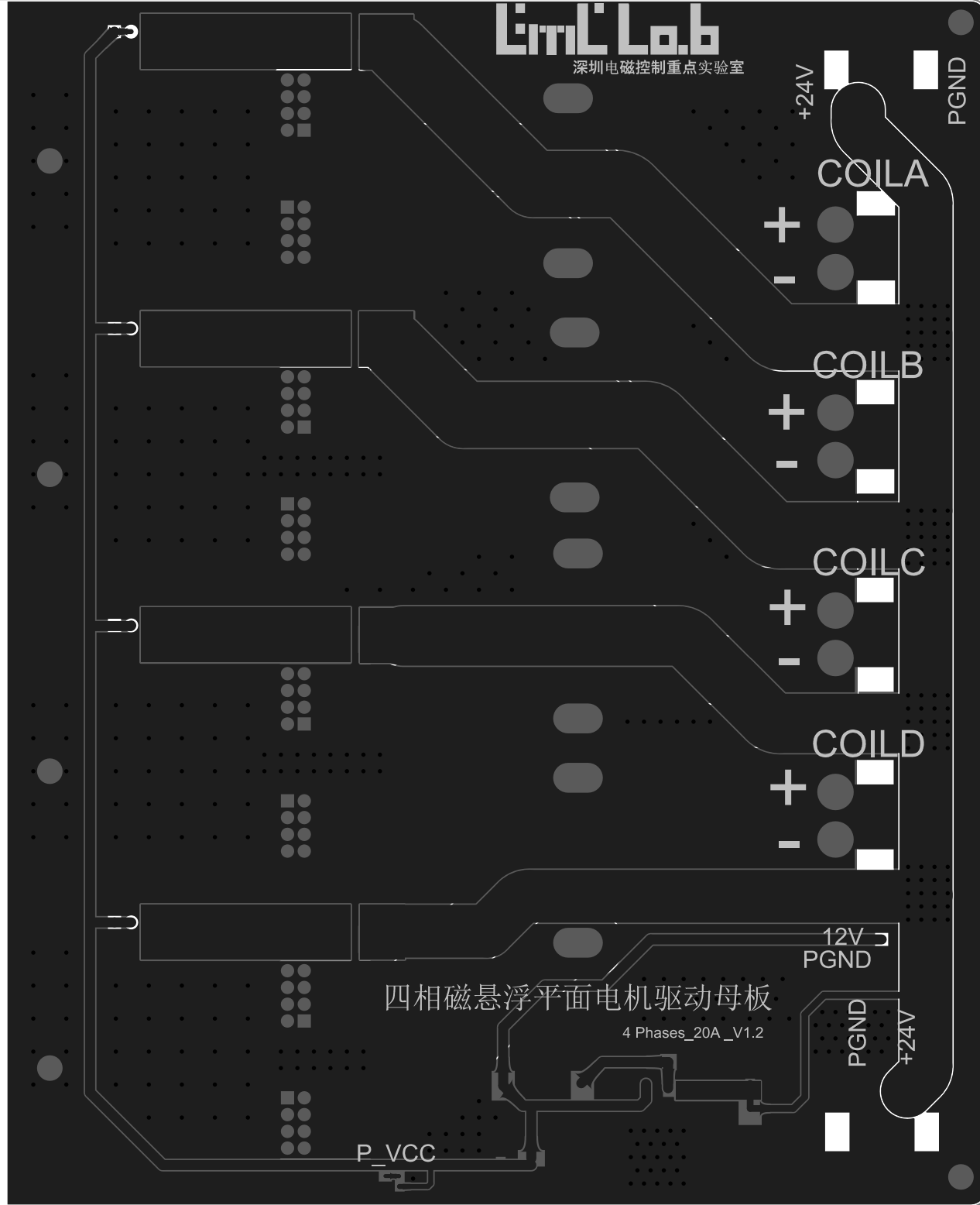
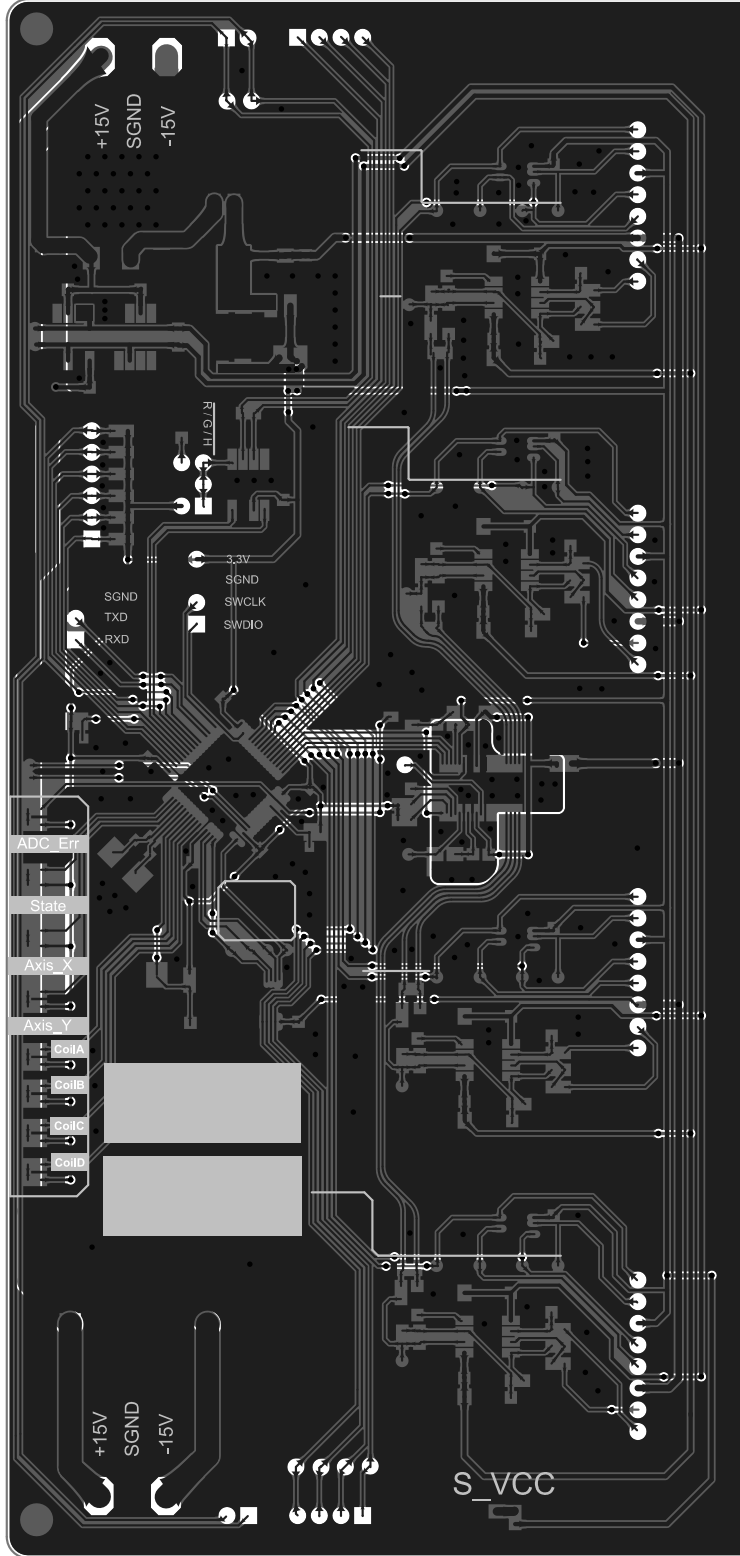
3

4



RS485 Bus Transceiver

Title			
Size	Number		Revision
A4			
Date:	2019/12/5	Sheet	of
File:	F:\深圳大学\RS485-Bus.SchDoc	Drawn By:	



Board St.