

ADC34XX
Channel A and B Input
Sheet 2

ADC34XX
Channel C and D Input
Sheet 3

ADC34XX
Sheet 4

Clock Input
Sheet 5

LVDS Outputs
Sheet 6

USB Interface
Sheet 7

TPS62080
TPS7A4700
INA138
Power Supplies
Sheet 8



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Size B	Document Number ADC34XX EVM	Rev B
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Engineer: Kang Hsia
PCB: Loan Nguyen

5

4

3

2

1

5

4

3

2

1

D

D

C

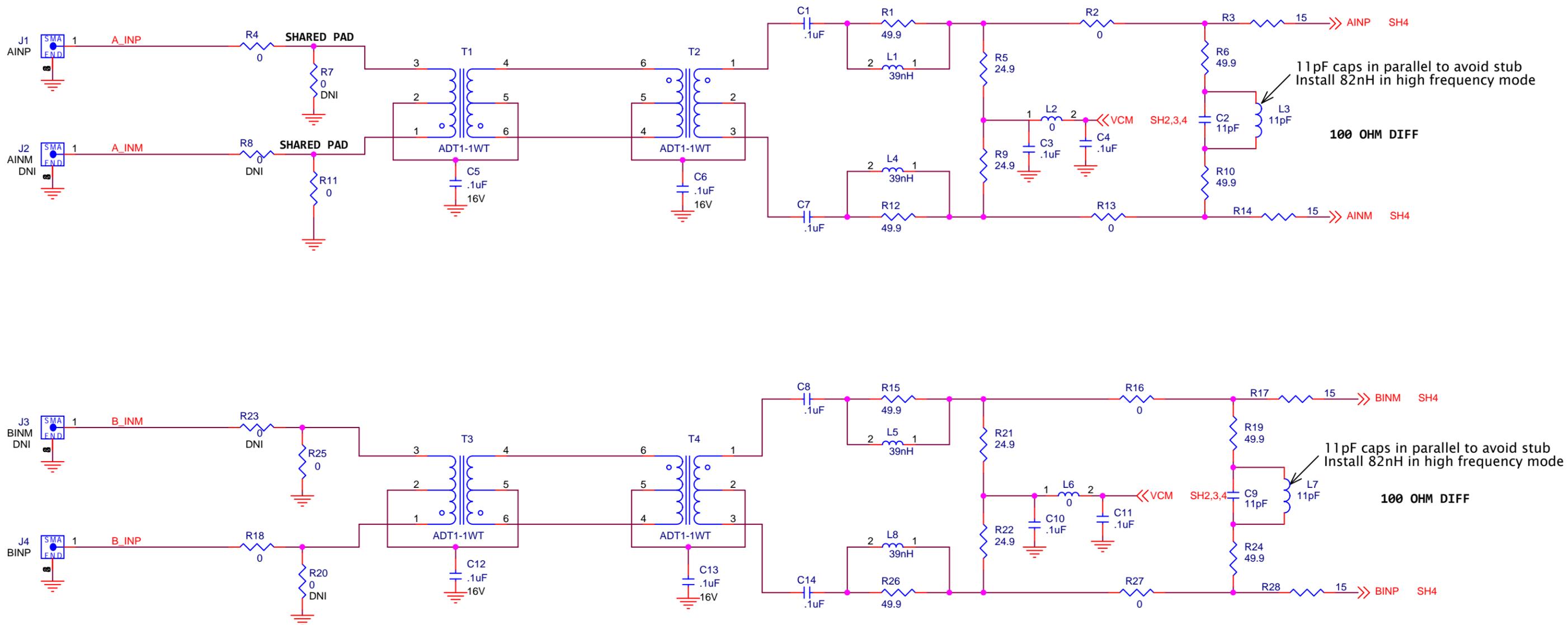
C

B

B

A

A



11 pF caps in parallel to avoid stub
Install 82nH in high frequency mode

100 OHM DIFF

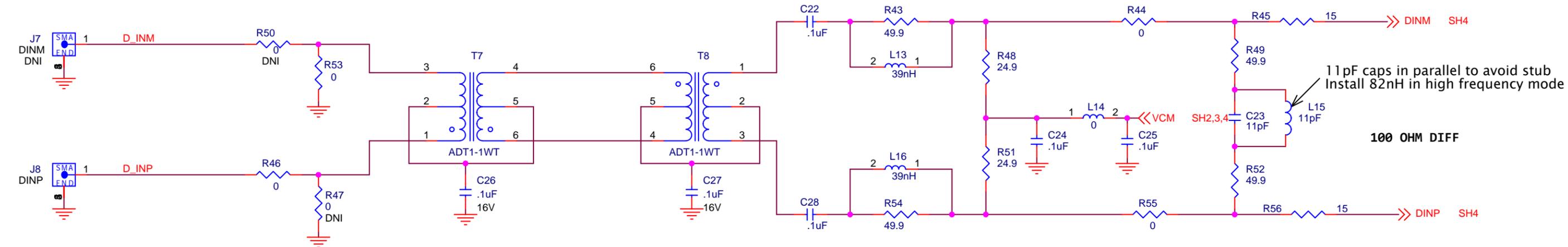
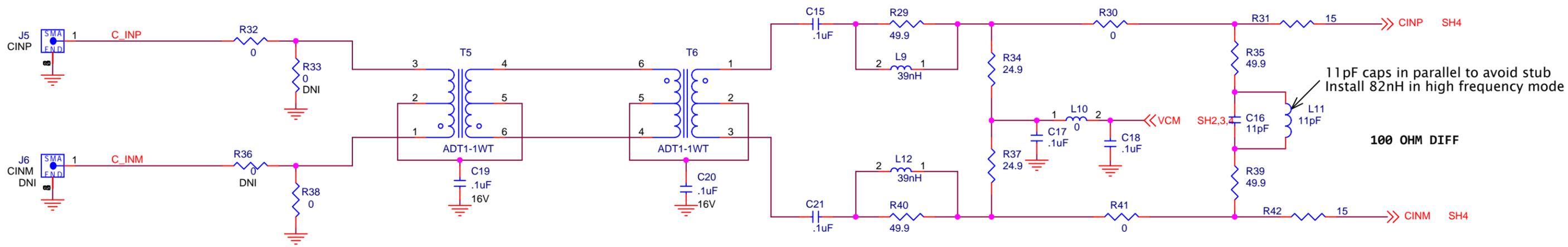
11 pF caps in parallel to avoid stub
Install 82nH in high frequency mode

100 OHM DIFF

DNI = DO NOT INSTALL

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Title ANALOG IN		
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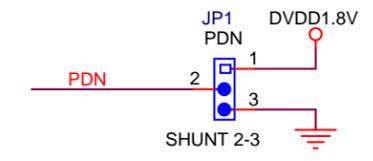
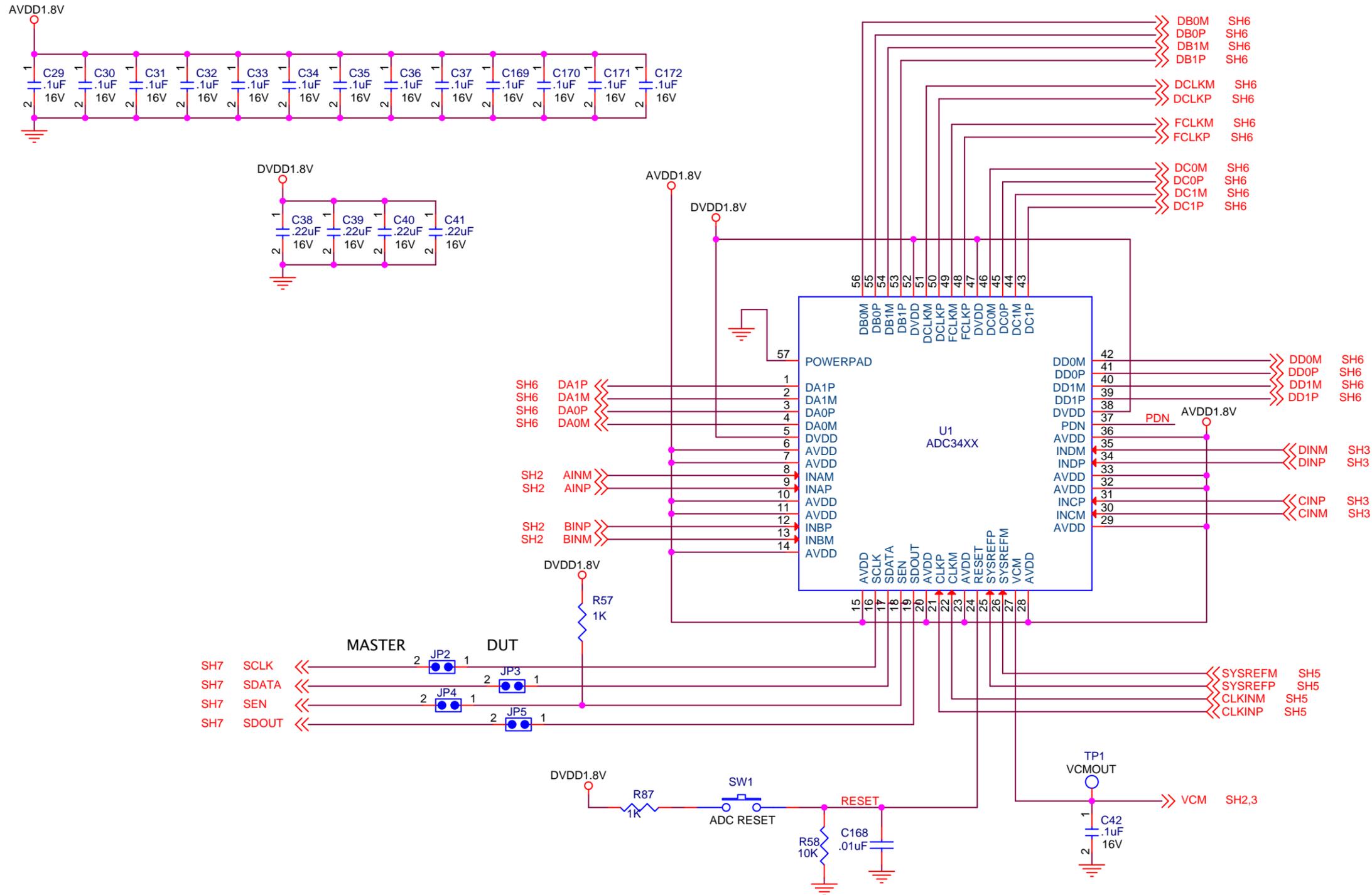


TEXAS INSTRUMENTS

Title: **ANALOG IN**

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DNI = DO NOT INSTALL

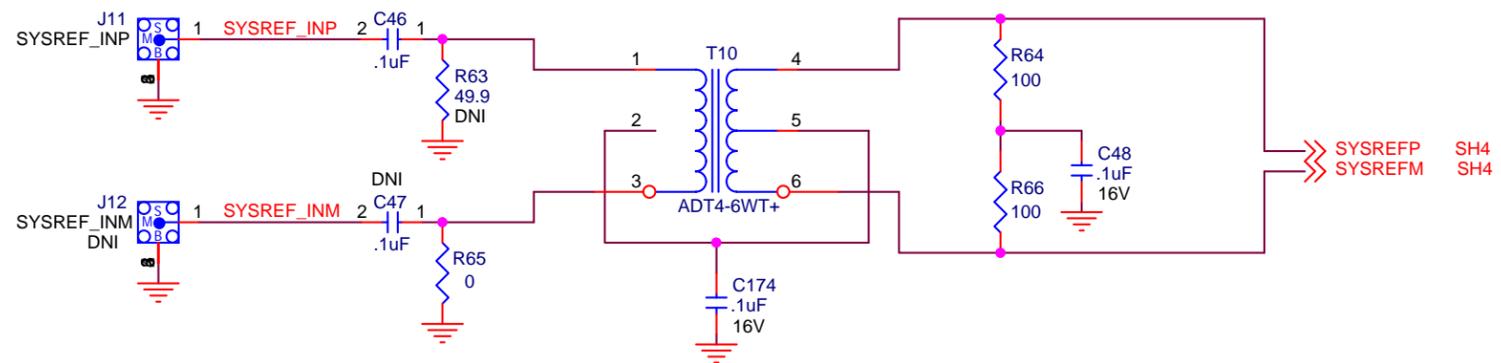
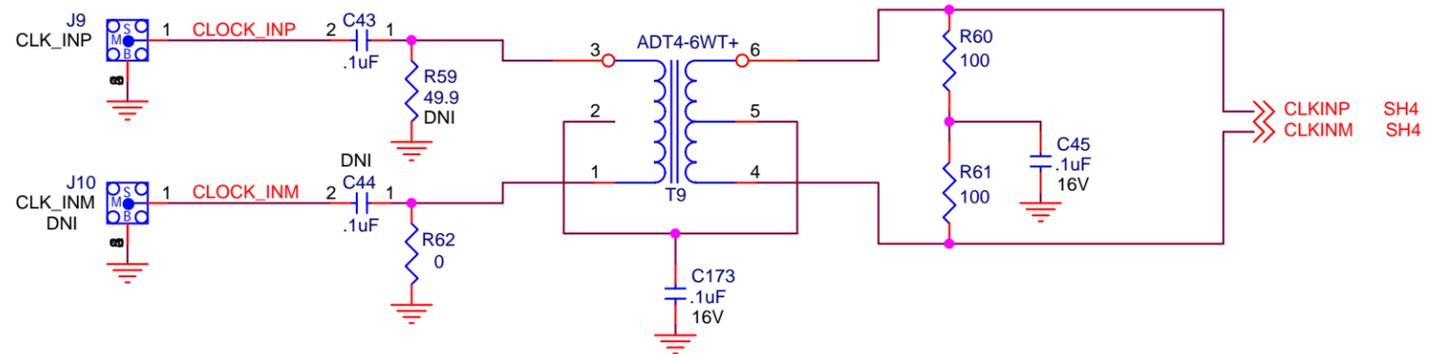


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Title: **ADC**

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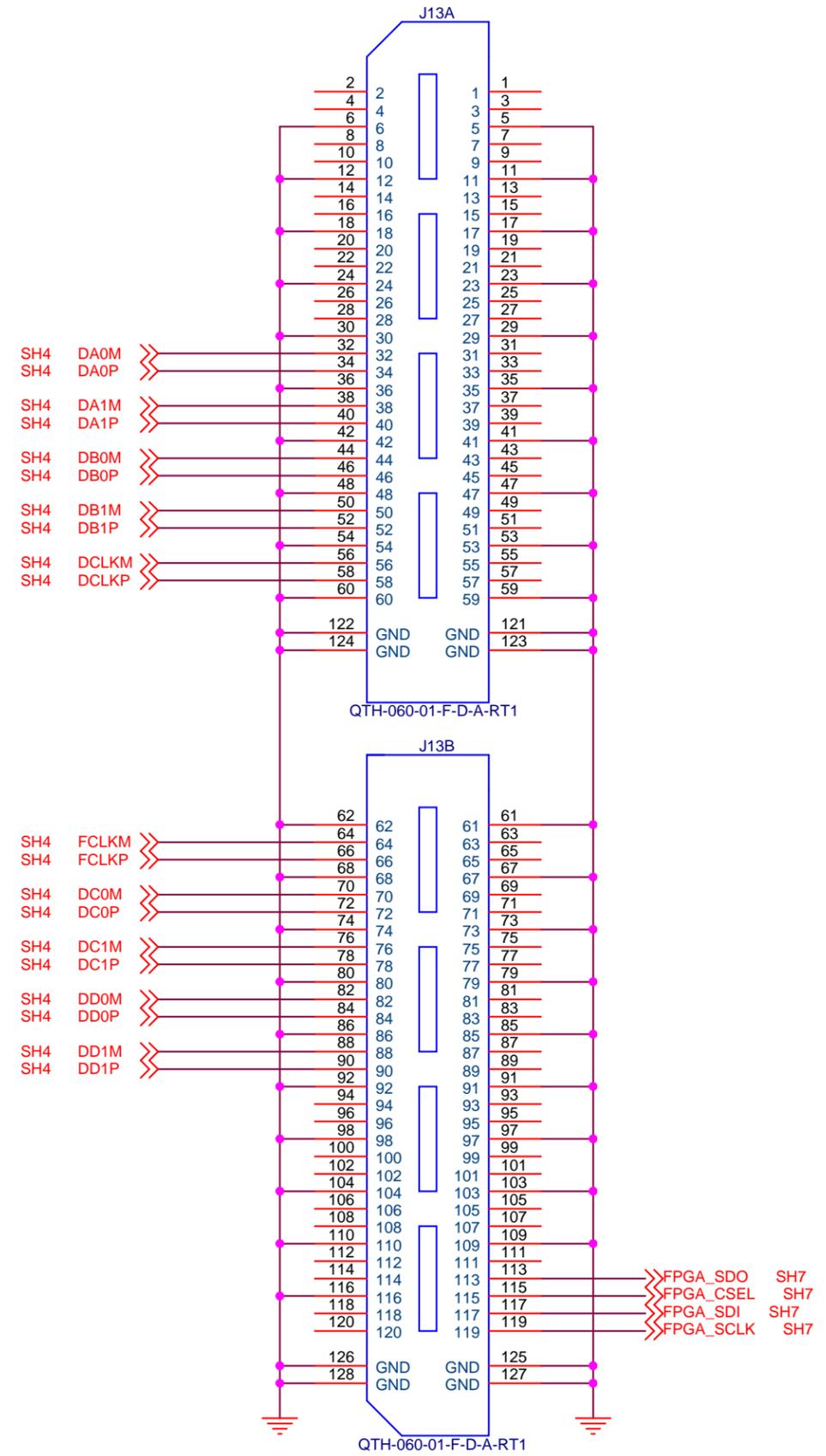
MECHANICAL PARTS

- 
 SCREW PANHEAD 4-40 x 3/8
- 
 SCREW PANHEAD 4-40 x 3/8
- 
 SCREW PANHEAD 4-40 x 3/8
- 
 SCREW PANHEAD 4-40 x 3/8
- 
 STANDOFF ALUM HEX 4-40 x .500
- 
 STANDOFF ALUM HEX 4-40 x .500
- 
 STANDOFF ALUM HEX 4-40 x .500
- 
 STANDOFF ALUM HEX 4-40 x .500



TEXAS INSTRUMENTS

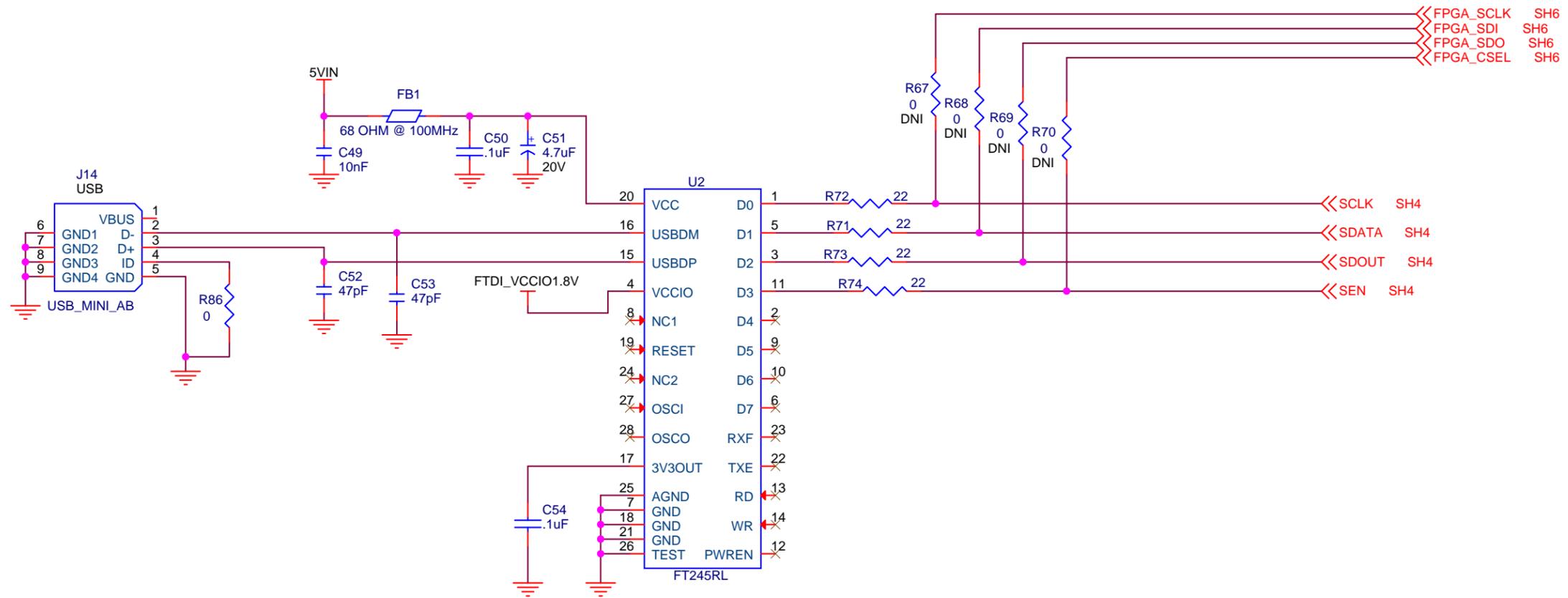
Title		
CLOCK INPUT		
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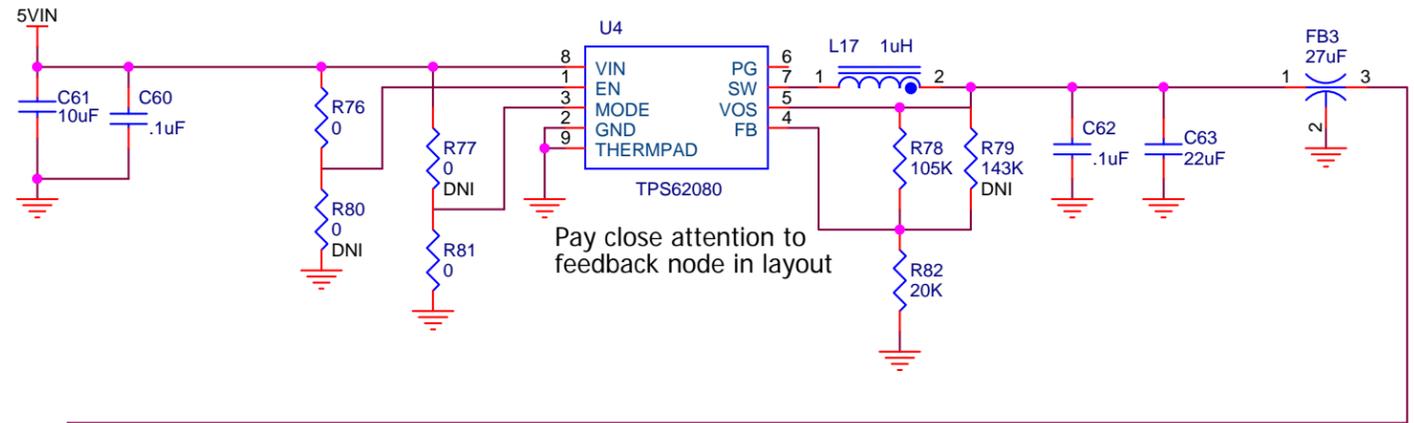
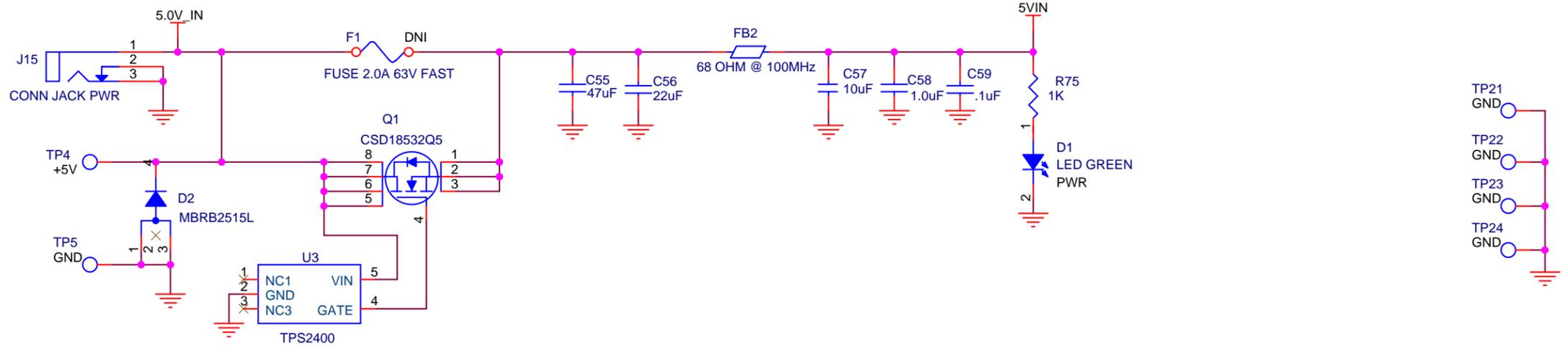
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Title: **OUTPUT**

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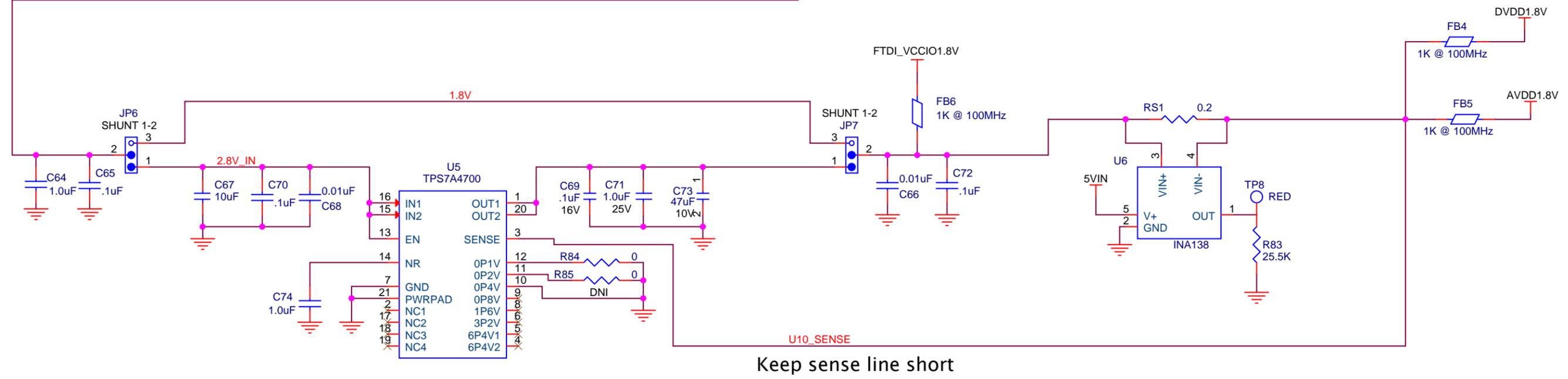


Title		
USB		
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U4 output = 2.8V
For 1.8V, install R152

Pay close attention to feedback node in layout



Keep sense line short

DNI = DO NOT INSTALL

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Title: **POWER SUPPLIES**

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