

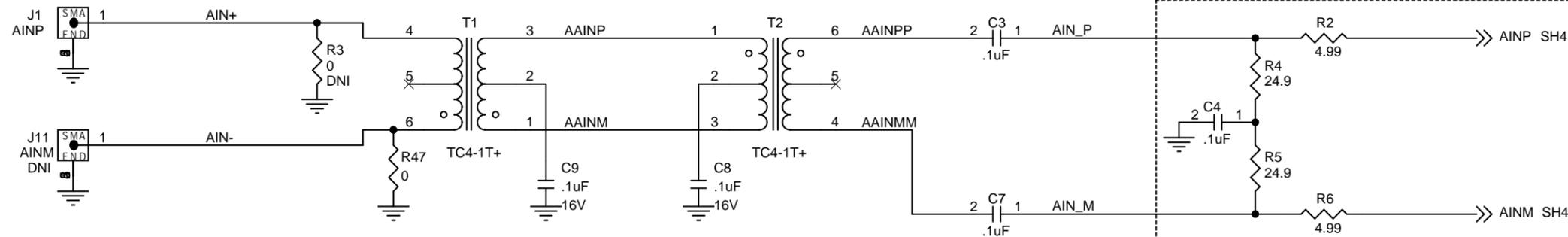
12500 TI Boulevard, Dallas, Texas 75243

**BLOCK DIAGRAM**

Engineer: R PRENTICE 10/13  
PCB: JV SMITH 10/13

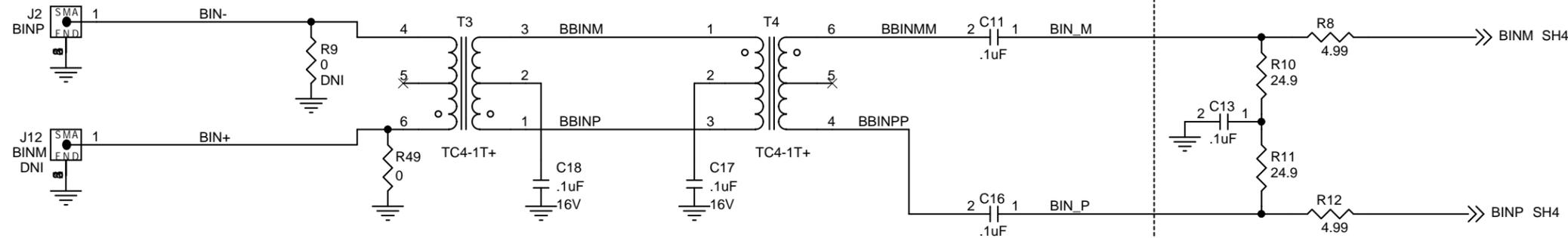
Size <b>B</b>	Document Number <b>SCH, ADS58J89/ADS54J54 EVM</b>	Rev <b>C</b>
Date: Monday, October 13, 2014	Sheet 1	of 9

DNI = DO NOT INSTALL

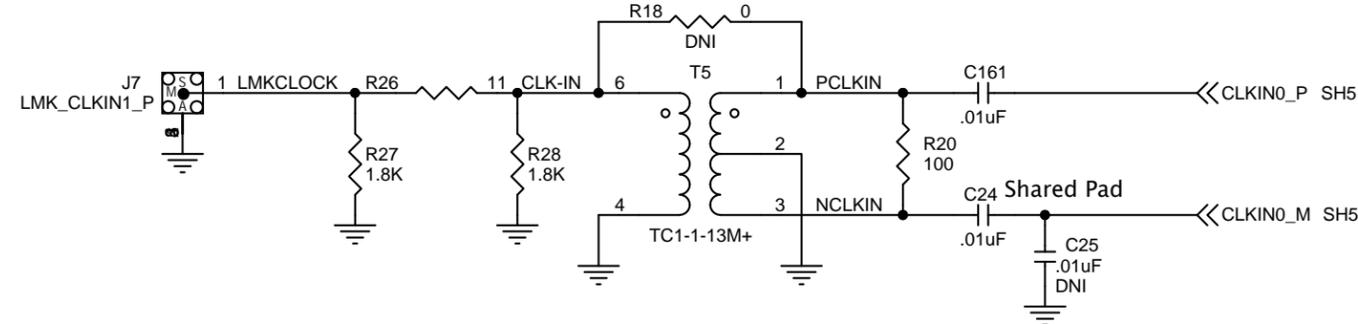


PLACE R3, R9, R47 & R49 ON THE TRACE - NO STUB

PLACE CLOSE TO DUT



R18 TO SHARE PADS W/ T5

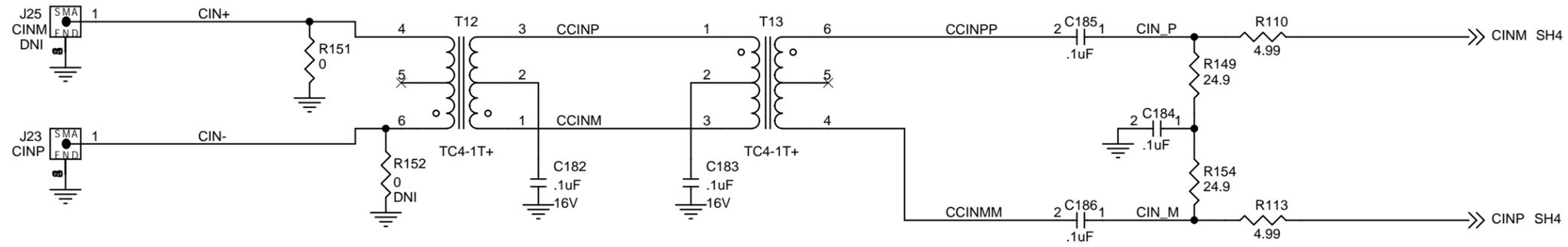


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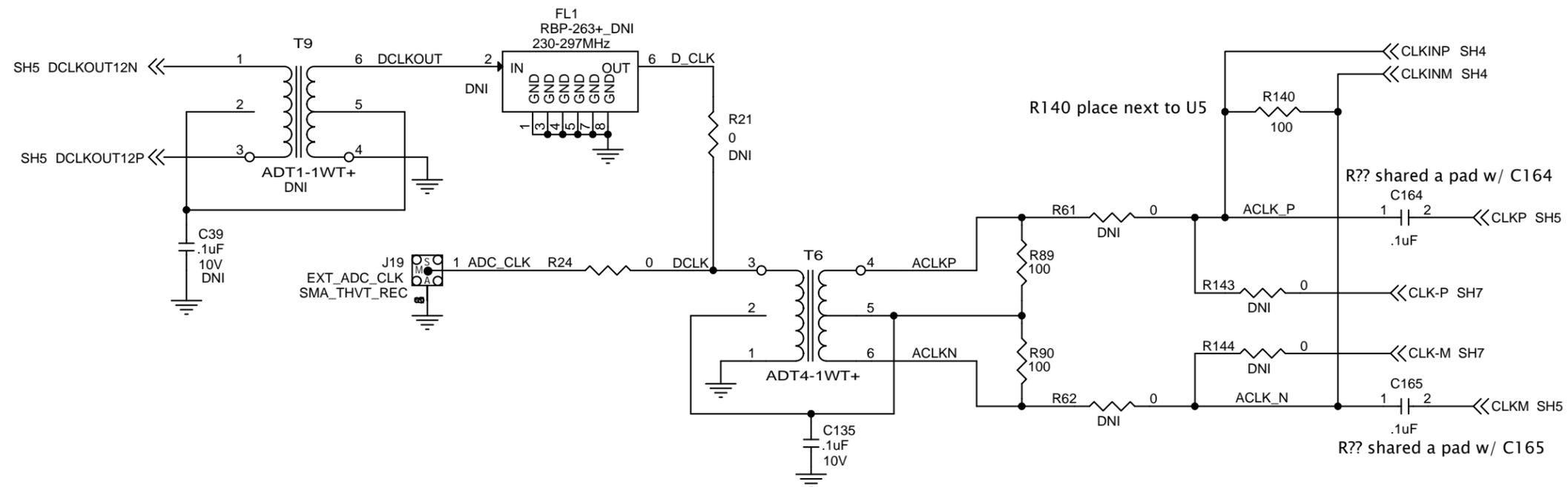
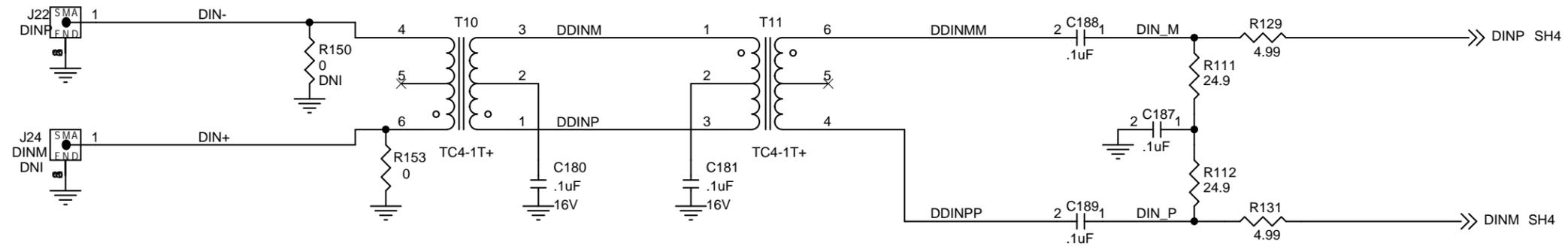
Title: **ANALOG IN A & B**

Size: <b>B</b>	Document Number: <b>SCH, ADS58J89/ADS54J54 EVM</b>	Rev: <b>C</b>
Date: Monday, October 13, 2014	Sheet: 2 of 9	

DNI = DO NOT INSTALL

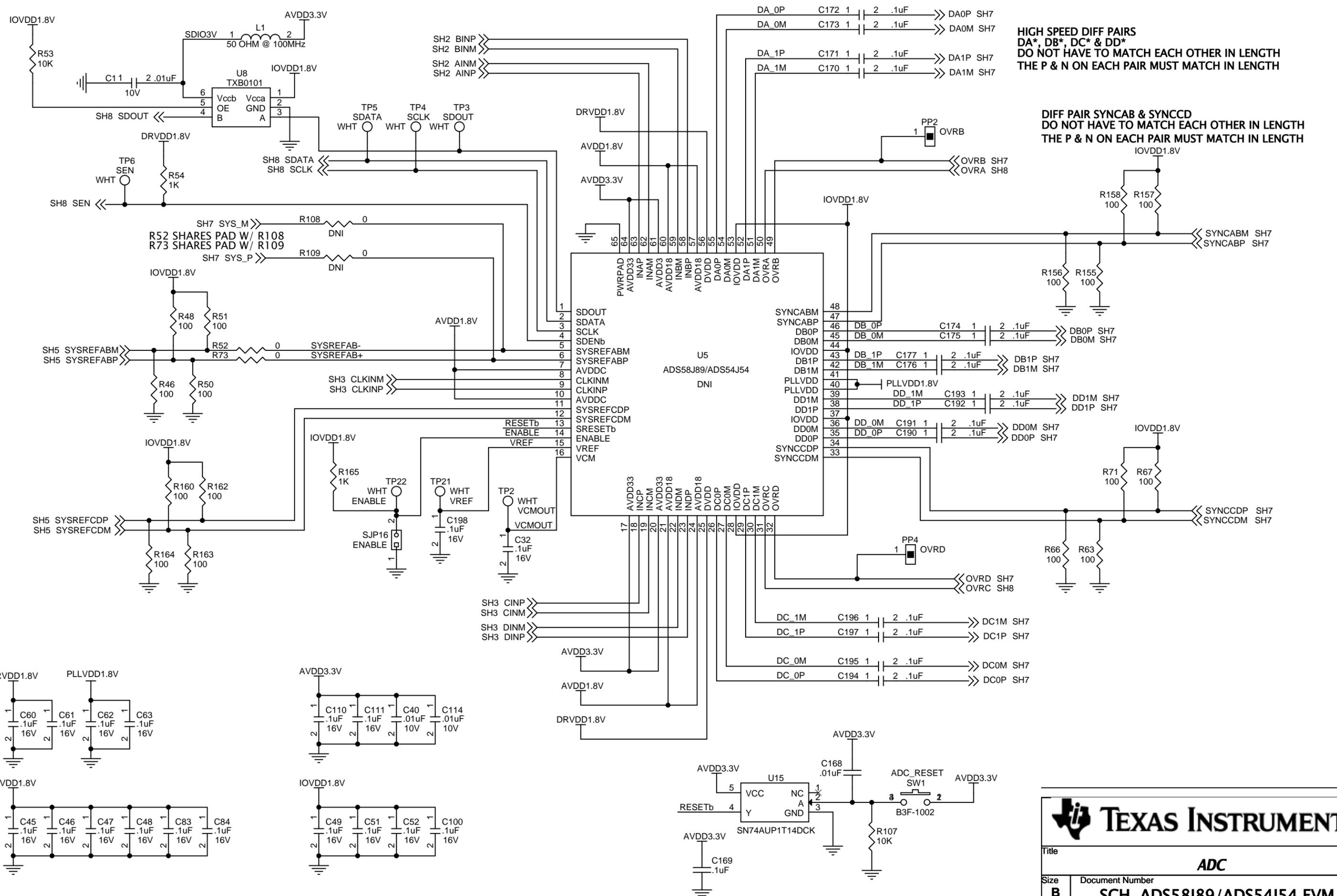


PLACE R151, R152, R150 & R153 ON THE TRACE - NO STUB



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**ANALOG IN C & D**

Size <b>B</b>	Document Number <b>SCH, ADS58J89/ADS54J54 EVM</b>	Rev <b>C</b>
Date: Monday, October 13, 2014	Sheet 3 of 9	1



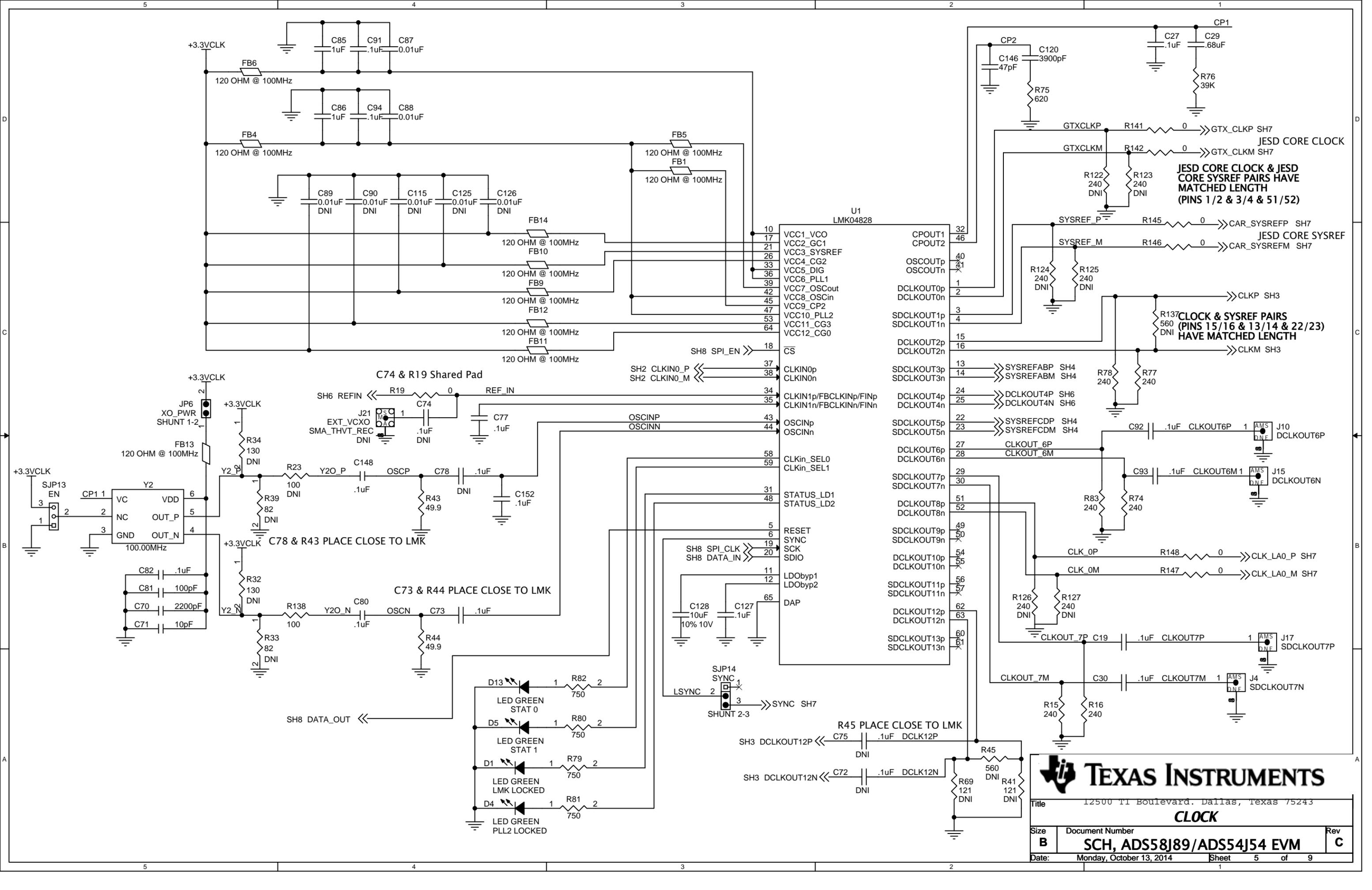
**HIGH SPEED DIFF PAIRS**  
 DA\*, DB\*, DC\* & DD\*  
 DO NOT HAVE TO MATCH EACH OTHER IN LENGTH  
 THE P & N ON EACH PAIR MUST MATCH IN LENGTH

**DIFF PAIR SYNCAB & SYNCDD**  
 DO NOT HAVE TO MATCH EACH OTHER IN LENGTH  
 THE P & N ON EACH PAIR MUST MATCH IN LENGTH

**TEXAS INSTRUMENTS**

Title: **ADC**

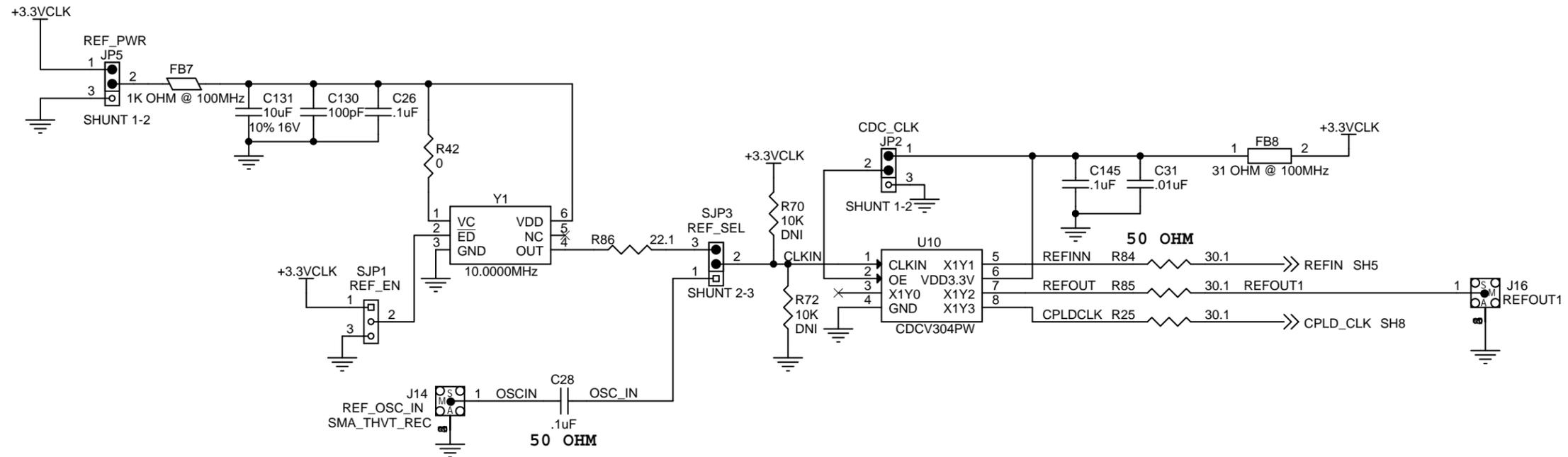
Size: <b>B</b>	Document Number: <b>SCH, ADS58J89/ADS54J54 EVM</b>	Rev: <b>C</b>
Date: Monday, October 13, 2014	Sheet: 4 of 9	



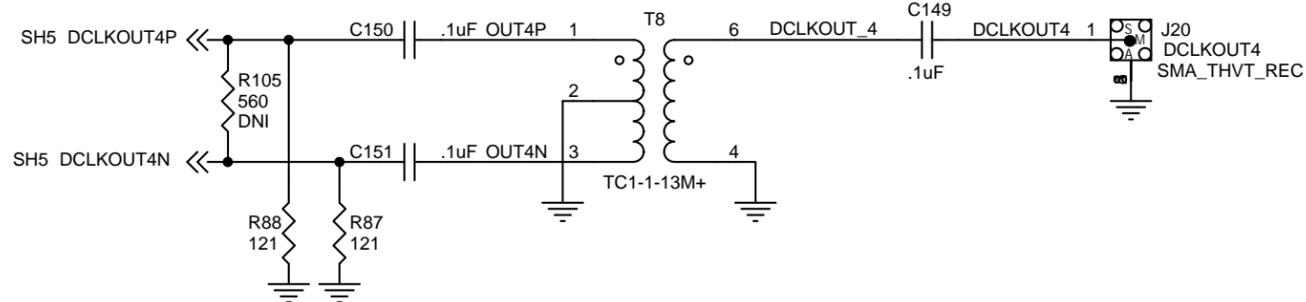
**JESD CORE CLOCK & JESD CORE SYSREF PAIRS HAVE MATCHED LENGTH (PINS 1/2 & 3/4 & 51/52)**

**CLOCK & SYSREF PAIRS (PINS 15/16 & 13/14 & 22/23) HAVE MATCHED LENGTH**

**TEXAS INSTRUMENTS**  
 12500 TI Boulevard, Dallas, Texas 75243  
**CLOCK**  
 Title: SCH, ADS58J89/ADS54J54 EVM  
 Size: B Document Number: SCH, ADS58J89/ADS54J54 EVM Rev: C  
 Date: Monday, October 13, 2014 Sheet: 5 of 9



PLACE RESISTORS NEXT TO U1



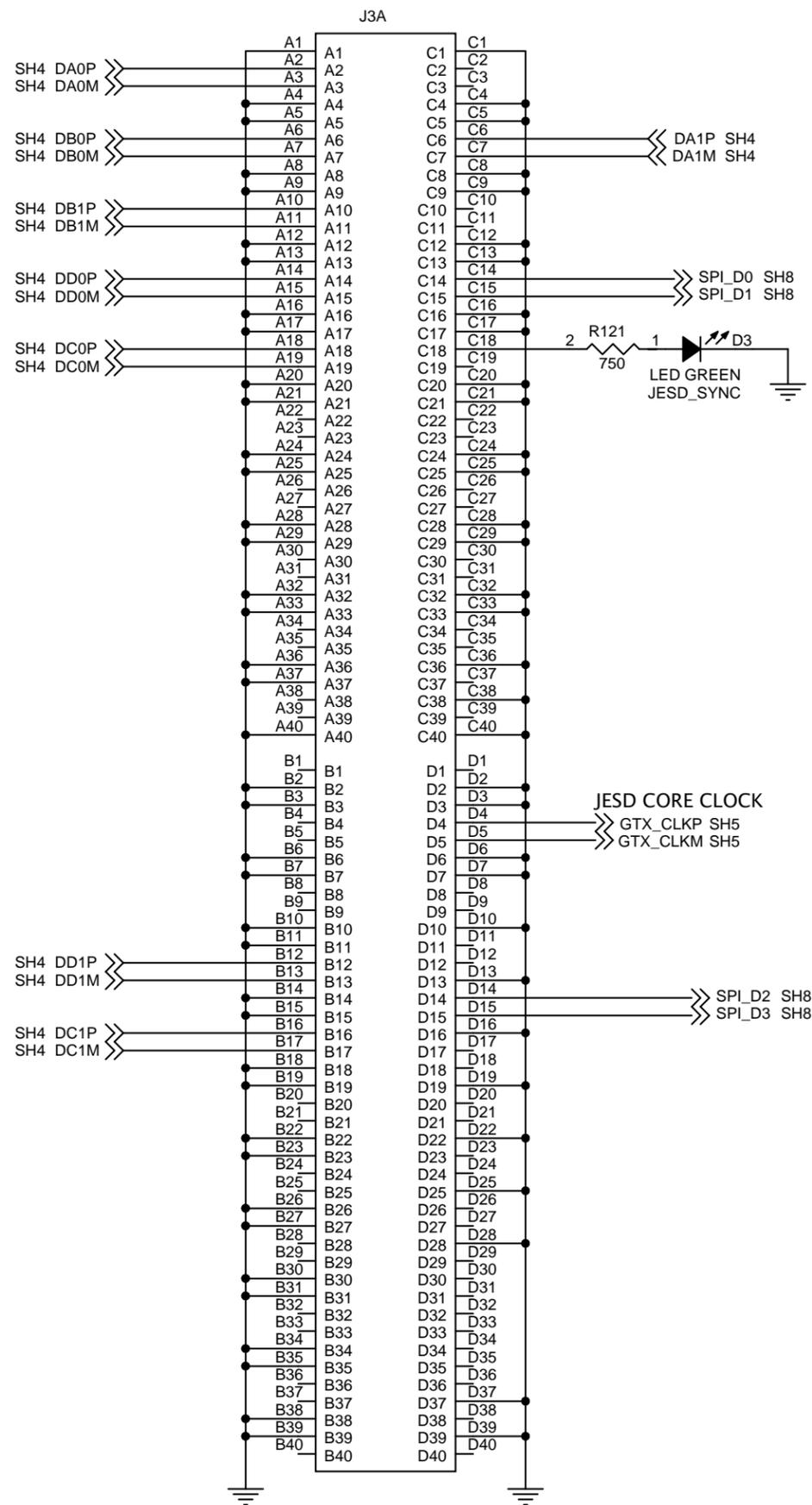
**HARDWARE**

- MT1  SCREW, 4-40 X 3/4", PHIL, SS
  - STANDOFF, FEMALE, 4-40, 1 3/16", ALUM
  - MT2  SCREW, 4-40 X 3/4", PHIL, SS
  - STANDOFF, FEMALE, 4-40, 1 3/16", ALUM
  - MT3  SCREW, 4-40 X 3/4", PHIL, SS
  - STANDOFF, FEMALE, 4-40, 1 3/16", ALUM
  - MT4  SCREW, 4-40 X 3/4", PHIL, SS
  - STANDOFF, FEMALE, 4-40, 1 3/16", ALUM
-  BARE BOARD, ADS58J89/ADS54J54

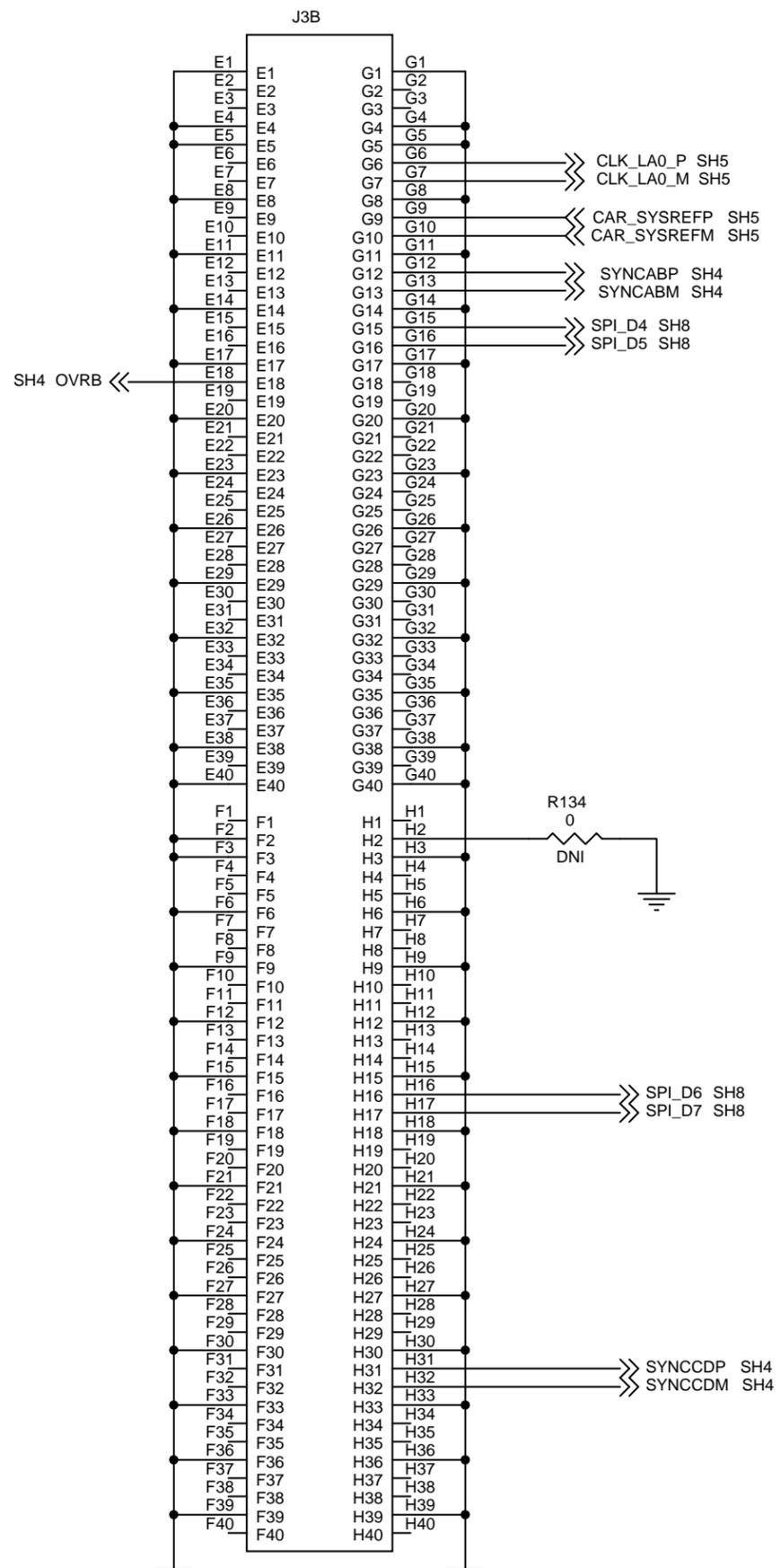
**TEXAS INSTRUMENTS**  
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Title: **OSCILLATORS**

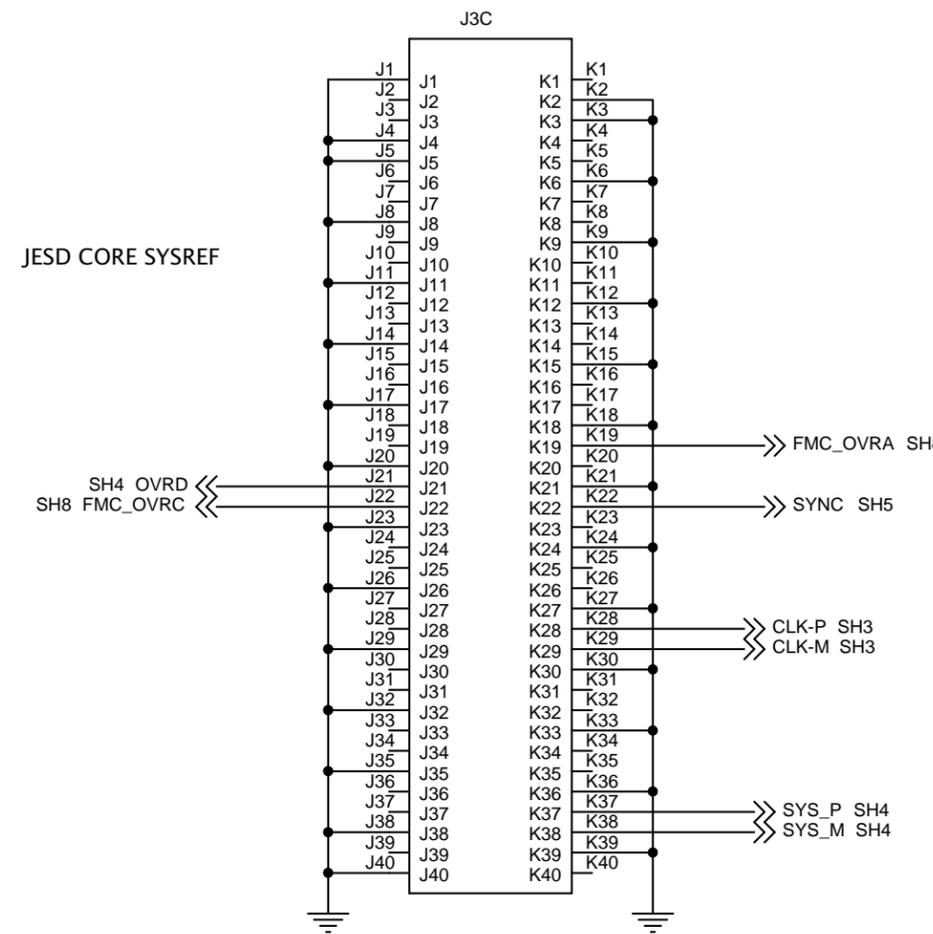
Size: <b>B</b>	Document Number: <b>SCH, ADS58J89/ADS54J54 EVM</b>	Rev: <b>C</b>
Date: Monday, October 13, 2014	Sheet: 6 of 9	



CON, HS, HIGH DENSITY OPEN PIN FIELD ARRAY, MALE, 400POS



CON, HS, HIGH DENSITY OPEN PIN FIELD ARRAY, MALE, 400POS



CON, HS, HIGH DENSITY OPEN PIN FIELD ARRAY, MALE, 400POS

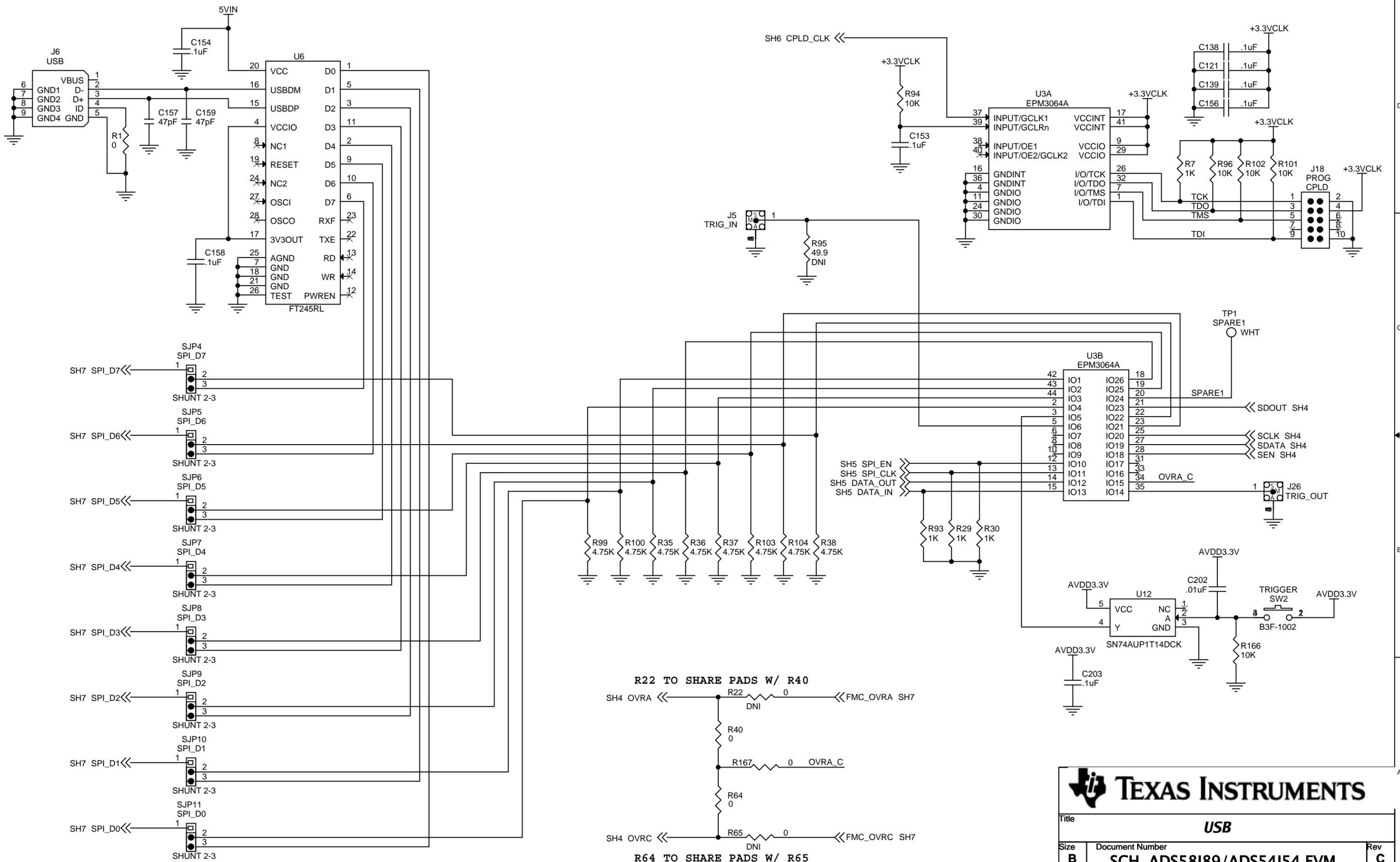
DIFF PAIRS GTX\* & CAR\_SYSREF\* MUST BE MATCHED LENGTH

**TEXAS INSTRUMENTS**

12000 TI BUILDFACTORY PARKWAY, DALLAS, TEXAS 75243

Title: **OUTPUT**

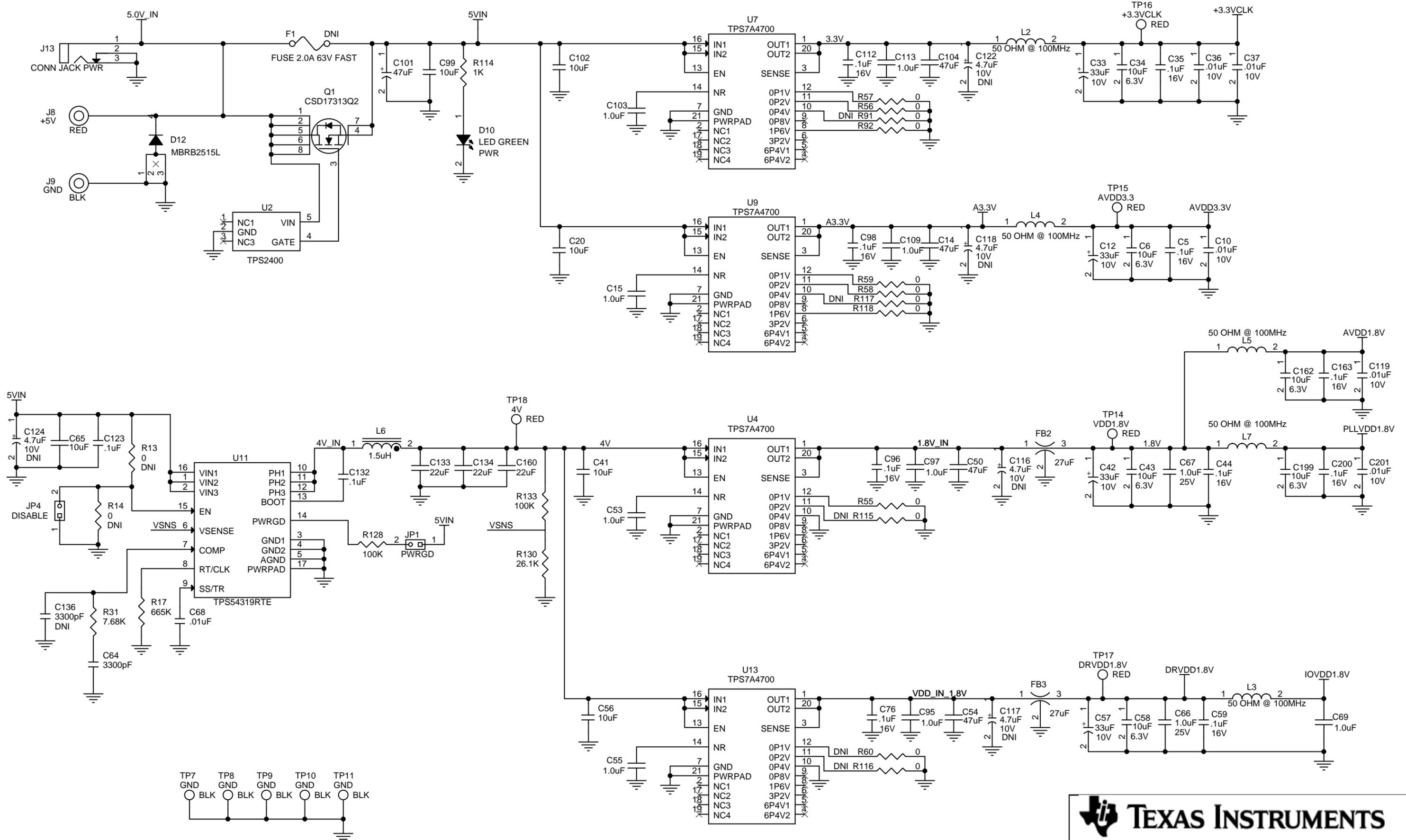
Size: <b>B</b>	Document Number: <b>SCH, ADS58J89/ADS54J54 EVM</b>	Rev: <b>C</b>
Date: <b>Monday, October 13, 2014</b>	Sheet: <b>7</b>	of <b>9</b>



**TEXAS INSTRUMENTS**

Title: **USB**

Size: <b>B</b>	Document Number: <b>SCH, ADS58J89/ADS54J54 EVM</b>	Rev: <b>C</b>
Date: Monday, November 03, 2014	Sheet: 8 of 9	



**TEXAS INSTRUMENTS**  
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**MAIN POWER**  
 Document Number: **SCH, ADS58J89/ADS54J54 EVM**  
 Date: Tuesday, January 06, 2015 Sheet 9 of 9