

LMK04828
PAGE 9

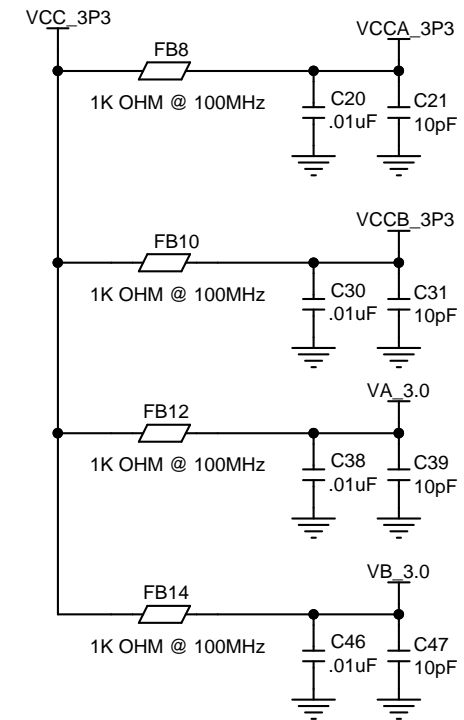
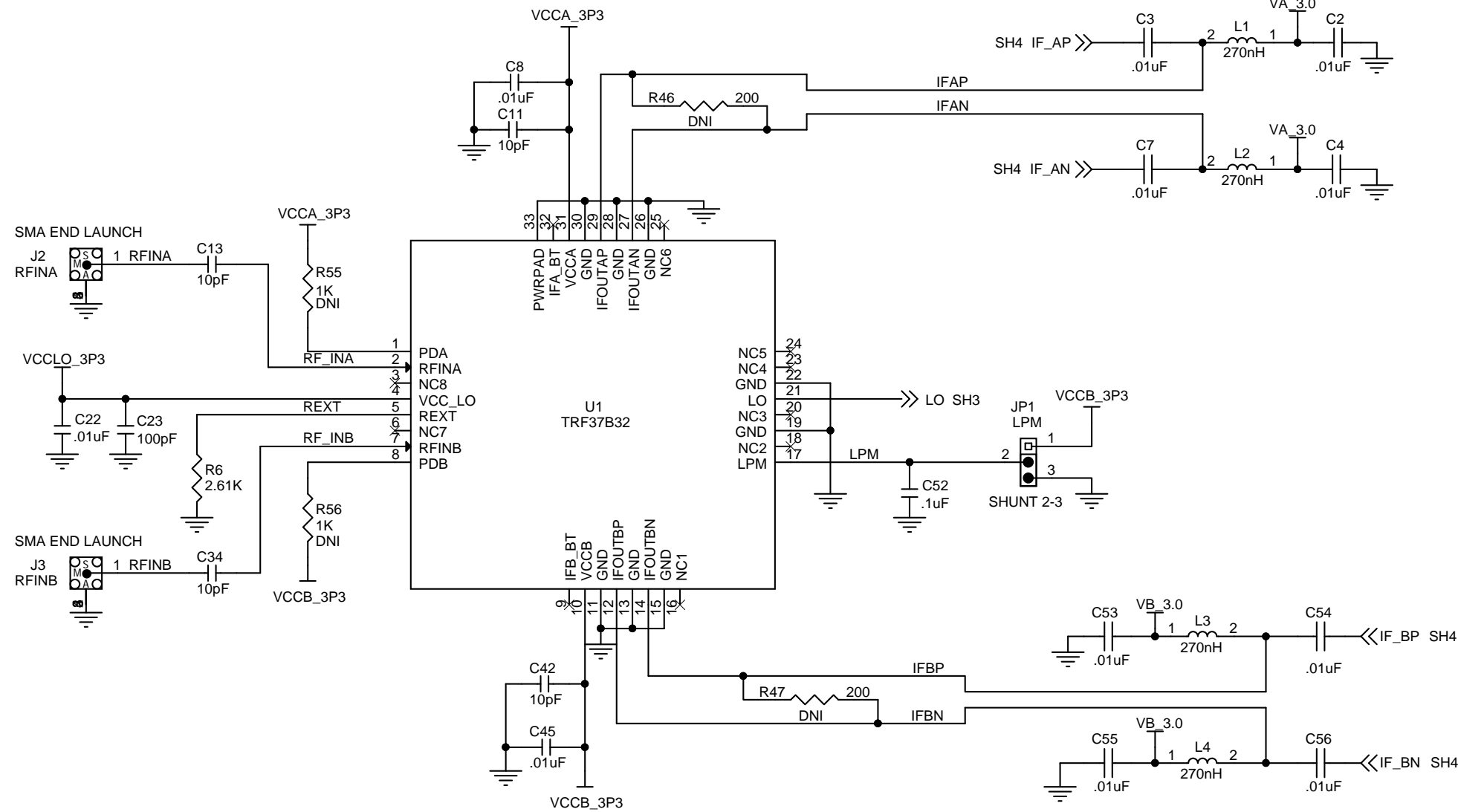
USB PORT
TLV70218
TLV70233
PAGE 10

MAIN POWER
TPS2400
TPS7A7300
TPS7A4700
PAGE 11

ADC POWER
LP3878-ADJ
PAGE 12



Title			SCH, TSW16DX370 EVM		
Engineer:	Size	Document Number	Rev		
Josh Carnes 11/2014	B		B		
Drawn By:	Date:	Sheet 1 of 12			
JV Smith 11/2014	Tuesday, December 02, 2014				
FILE:					



TEXAS INSTRUMENTS
 12500 TI BOULEVARD, DALLAS, TEXAS 75243

Title: **SCH, TSW16DX370 EVM**

Size B	Document Number TRF3732	Rev B
Date: Tuesday, December 02, 2014	Sheet 2 of 12	

**FILTER CENTER FREQUENCY AND BW
ARE HIGHLY SENSITIVE TO PCB DESIGN AND LAYOUT**

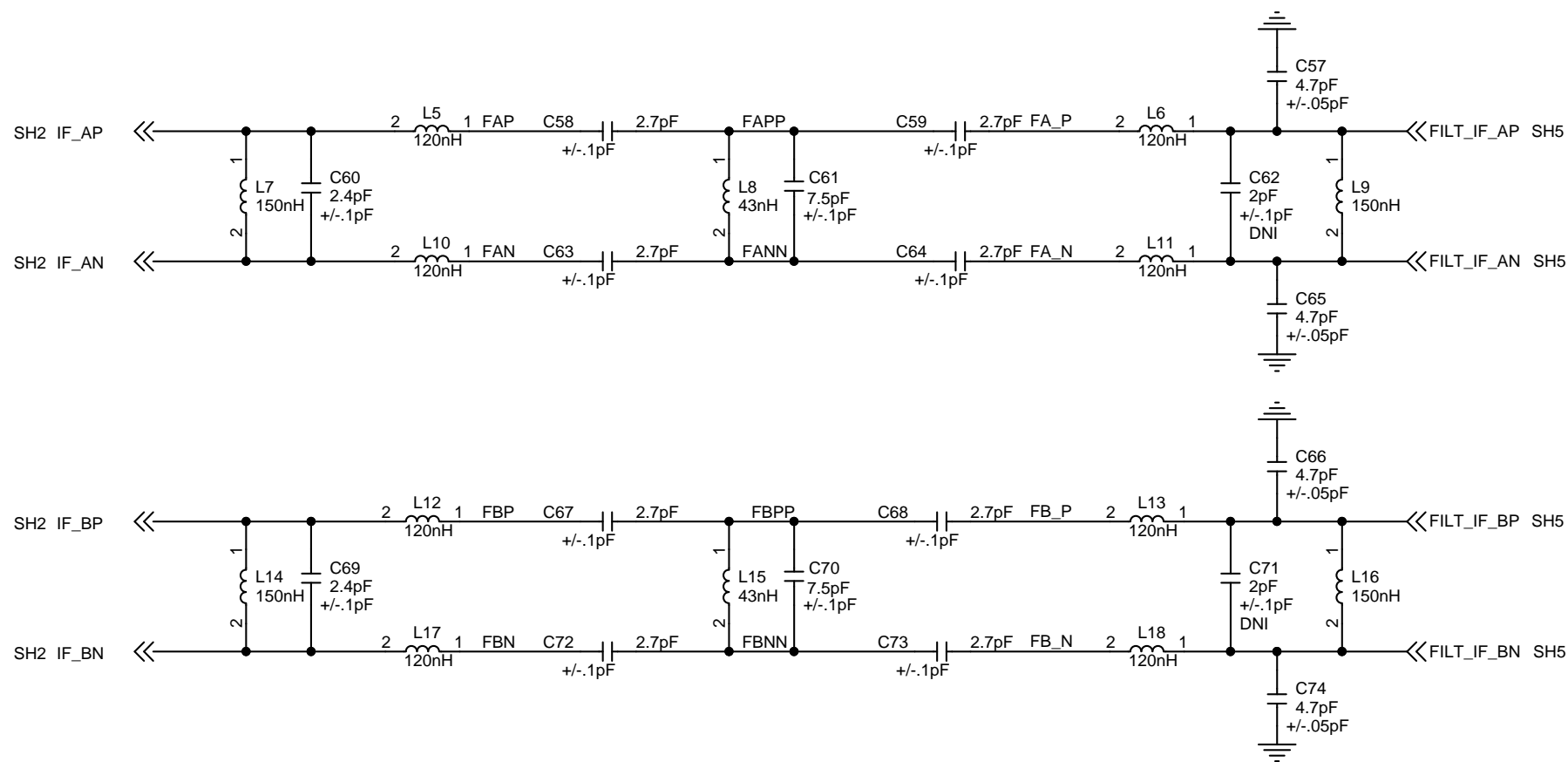


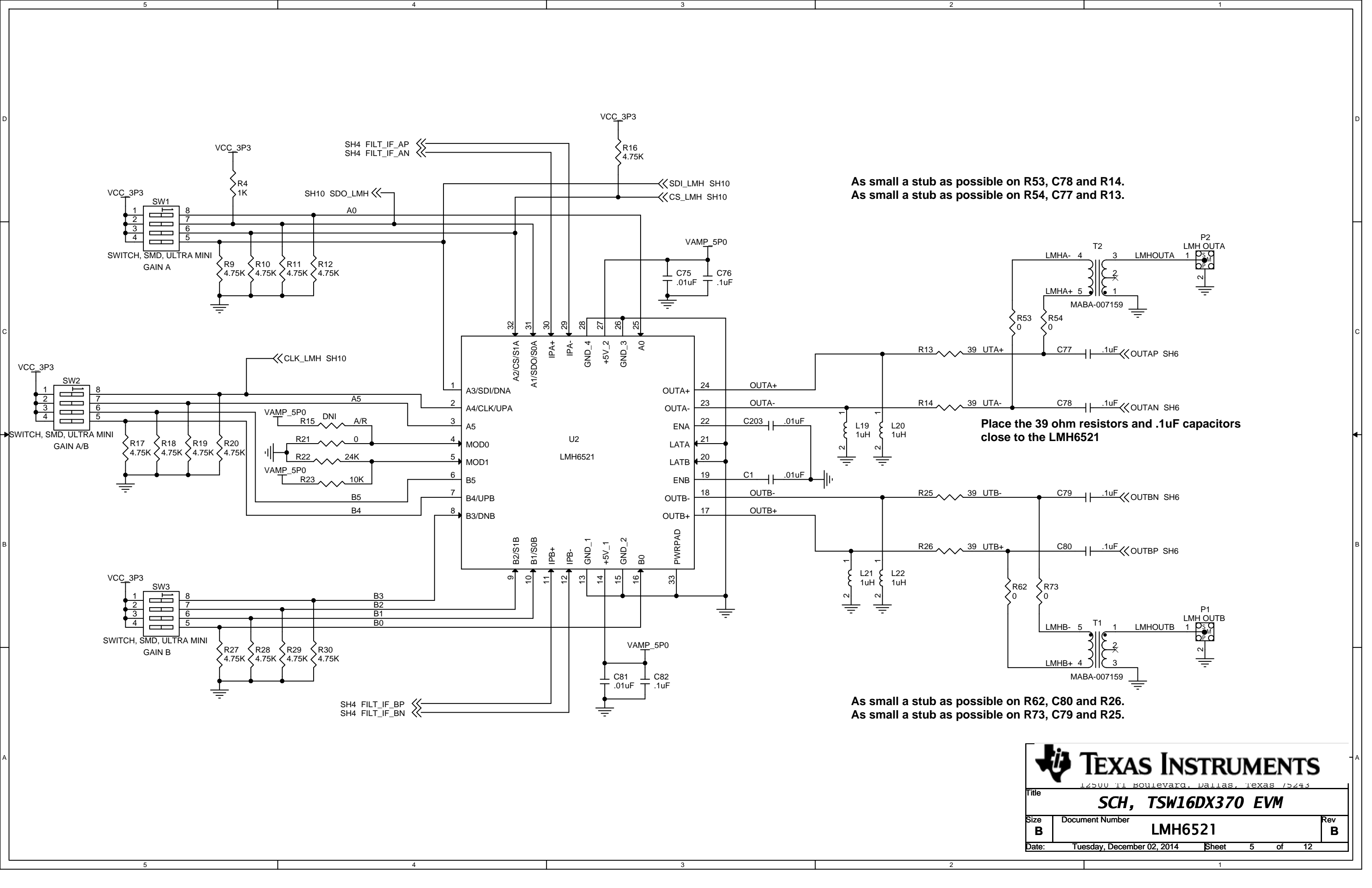
TABLE 'A'

COMPONENT	TOLERANCE
INDUCTORS	2%
COMPONENT	TOLERANCE

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Title: **SCH, TSW16DX370 EVM**

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As small a stub as possible on R53, C78 and R14.
 As small a stub as possible on R54, C77 and R13.

Place the 39 ohm resistors and .1uF capacitors close to the LMH6521

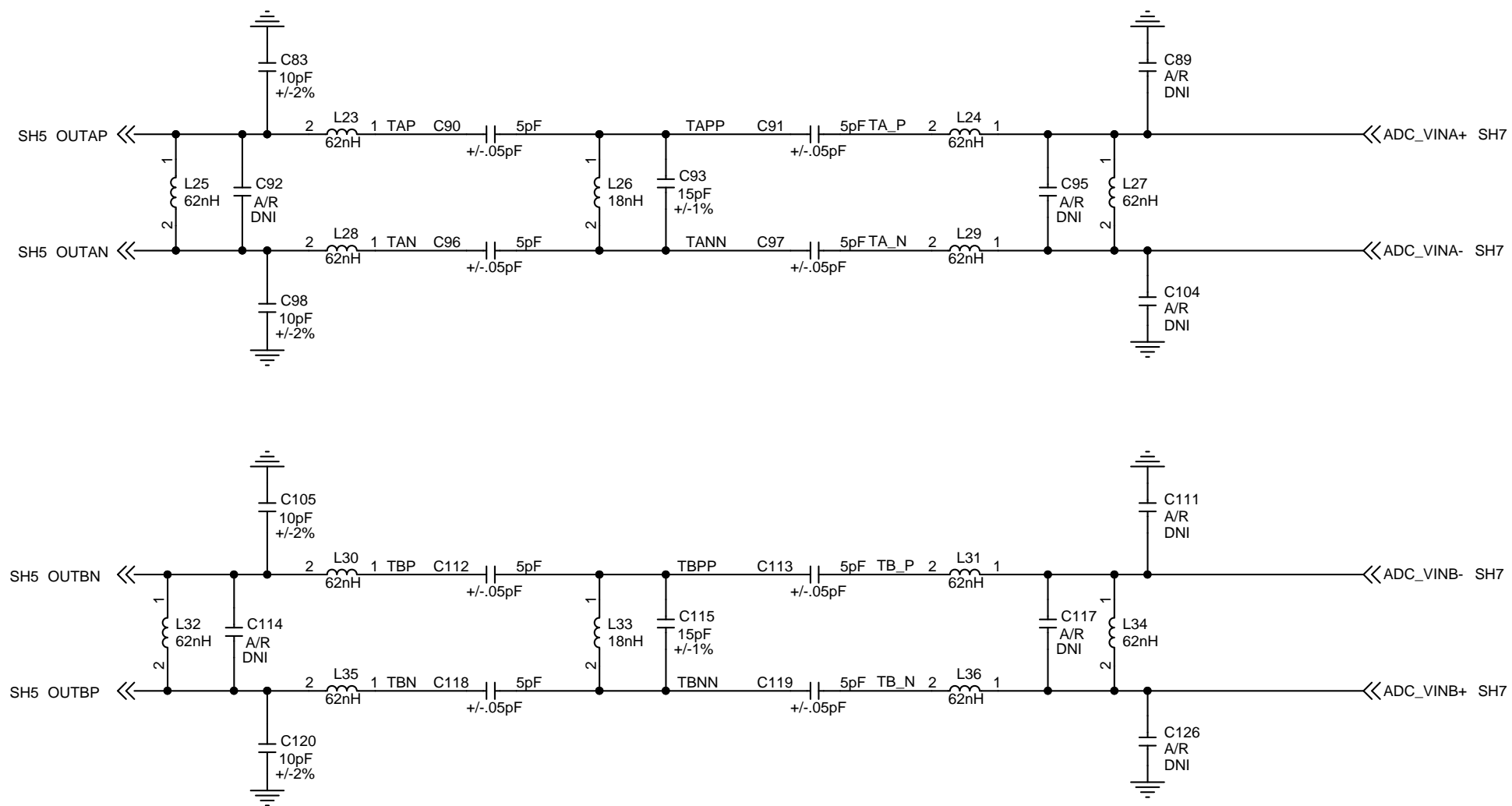
As small a stub as possible on R62, C80 and R26.
 As small a stub as possible on R73, C79 and R25.


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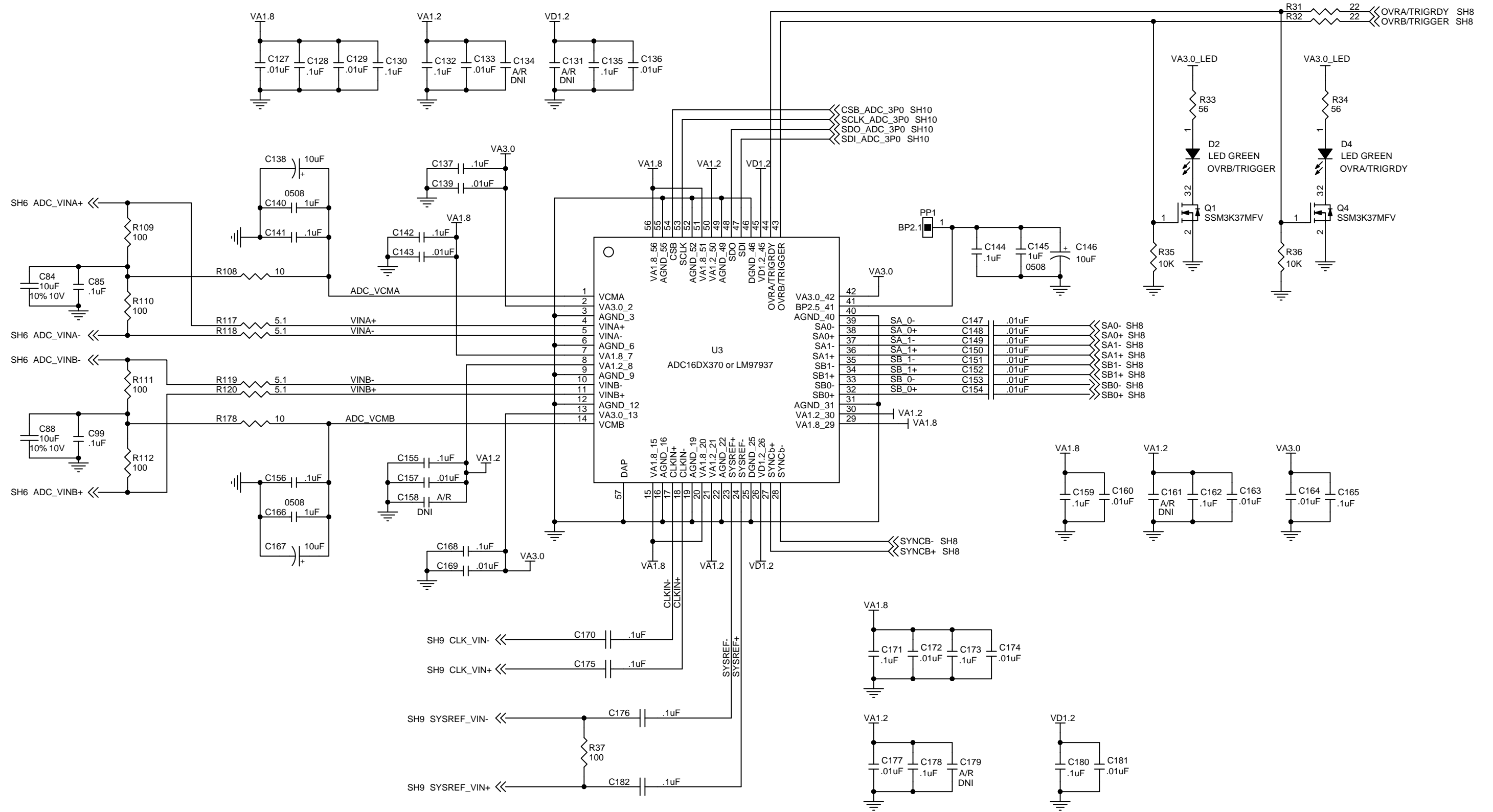
Title: **SCH, TSW16DX370 EVM**

Size B	Document Number LMH6521	Rev B
Date: Tuesday, December 02, 2014	Sheet 5 of 12	

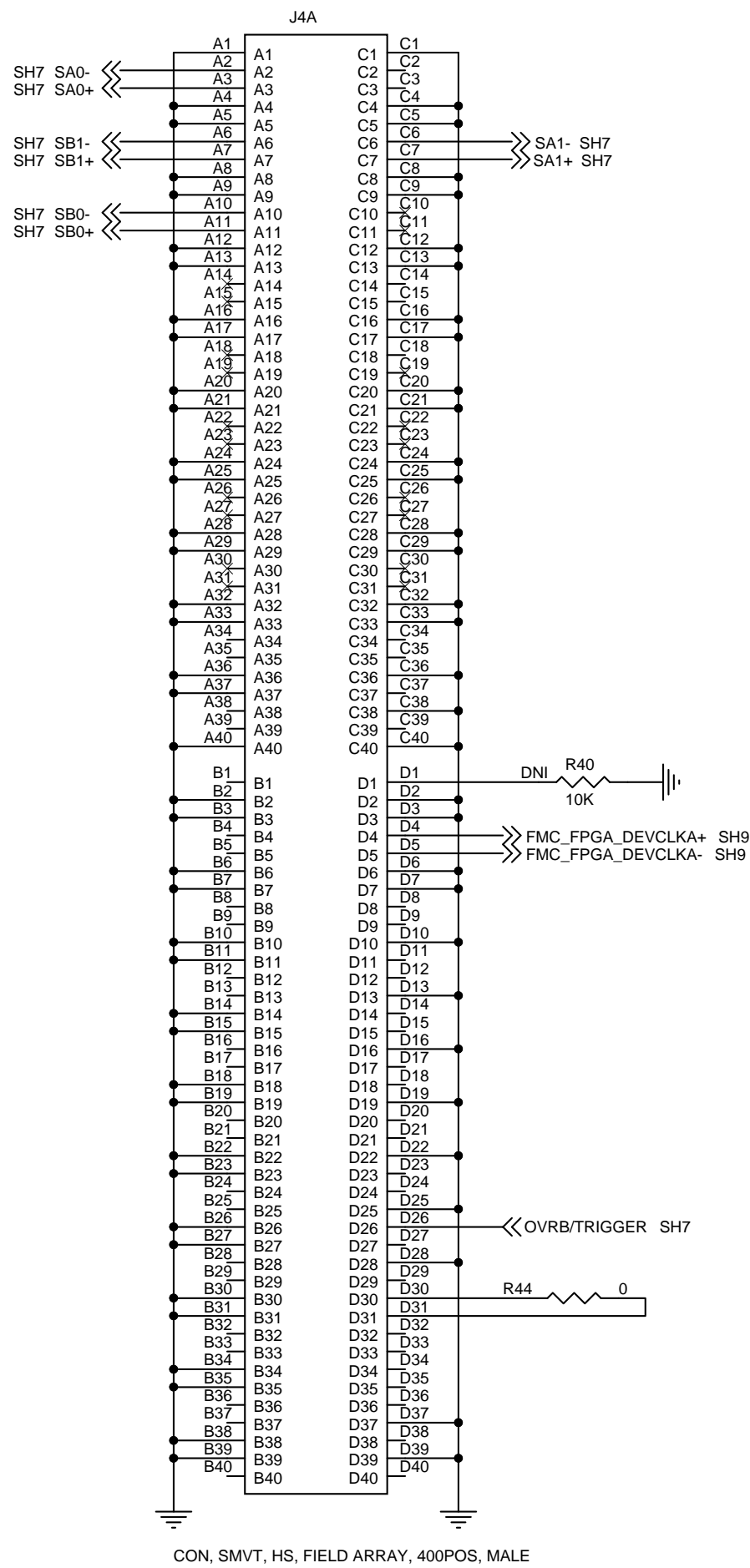
**FILTER CENTER FREQUENCY AND BW
ARE HIGHLY SENSITIVE TO PCB DESIGN AND LAYOUT**



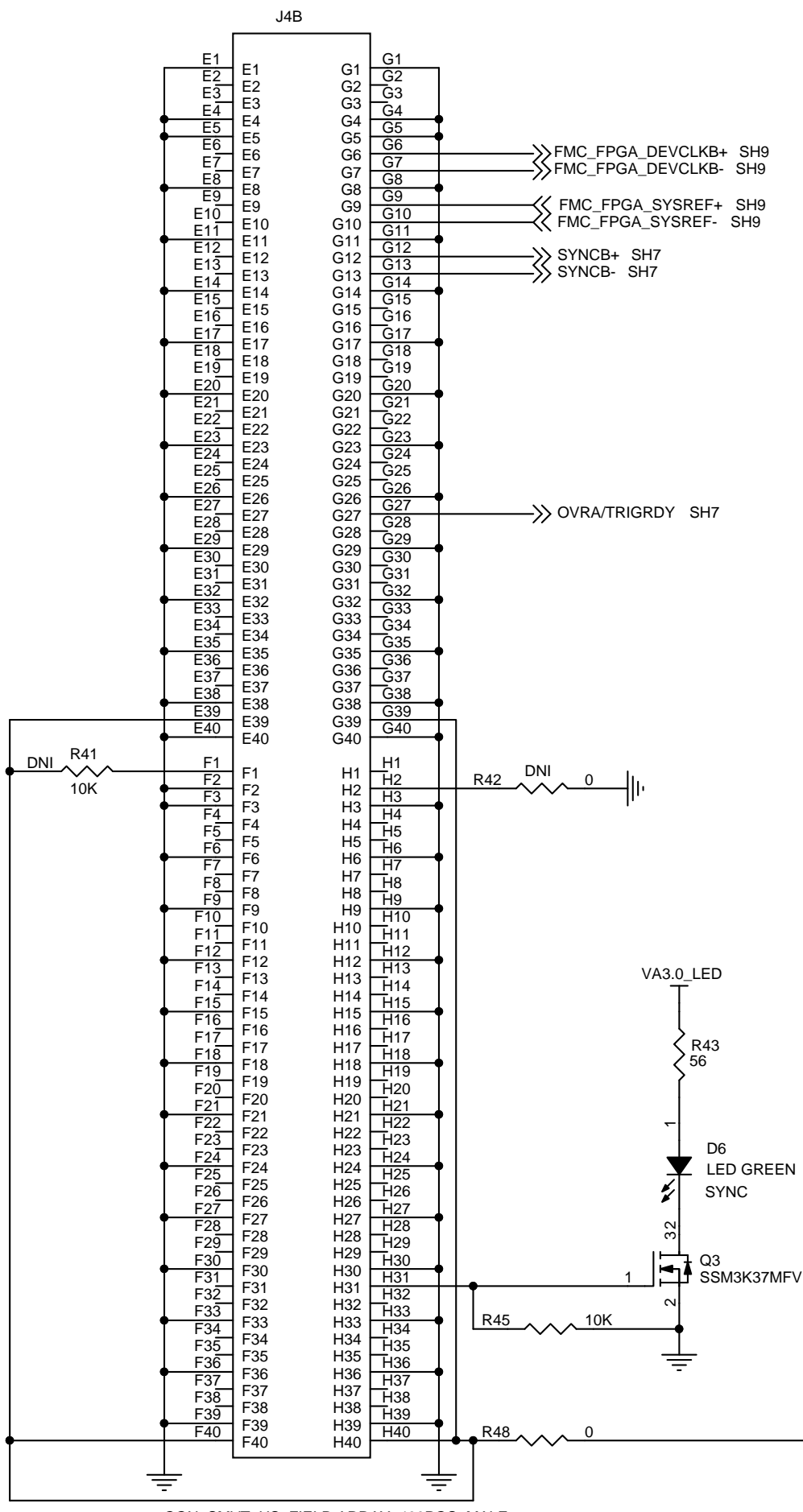
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Title		
SCH, TSW16DX370 EVM		
Size	Document Number	Rev
B	FILTER #2	B
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B	ADC16DX370	B
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CON, SMVT, HS, FIELD ARRAY, 400POS, MALE

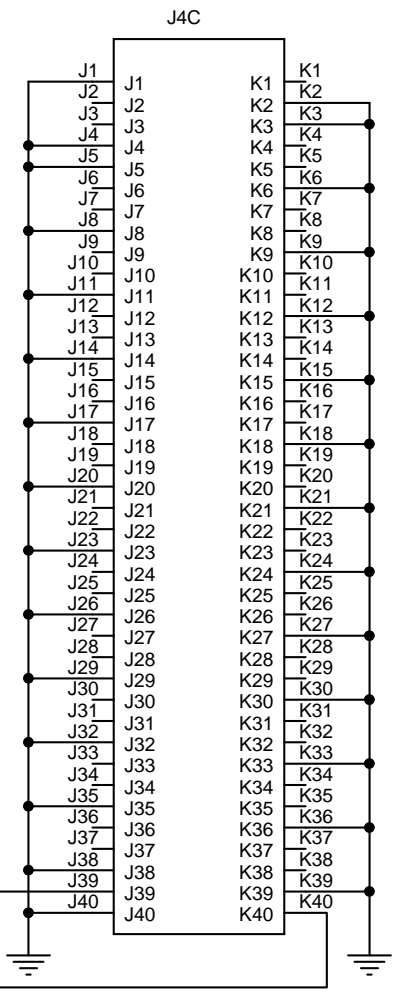


CON, SMVT, HS, FIELD ARRAY, 400POS, MALE

TABLE 'C'

12POV - C35, C37
 3P3V - C39, D36, D38, D40
 3P3VAUX - D32
 VADJ - E39, F40, G39, H40
 PRSNT_M2C - H2
 PG_M2C - F1
 PG_C2M - D1

See ANSI/VITA 57.1 FMC Standard for more info regarding these pins.



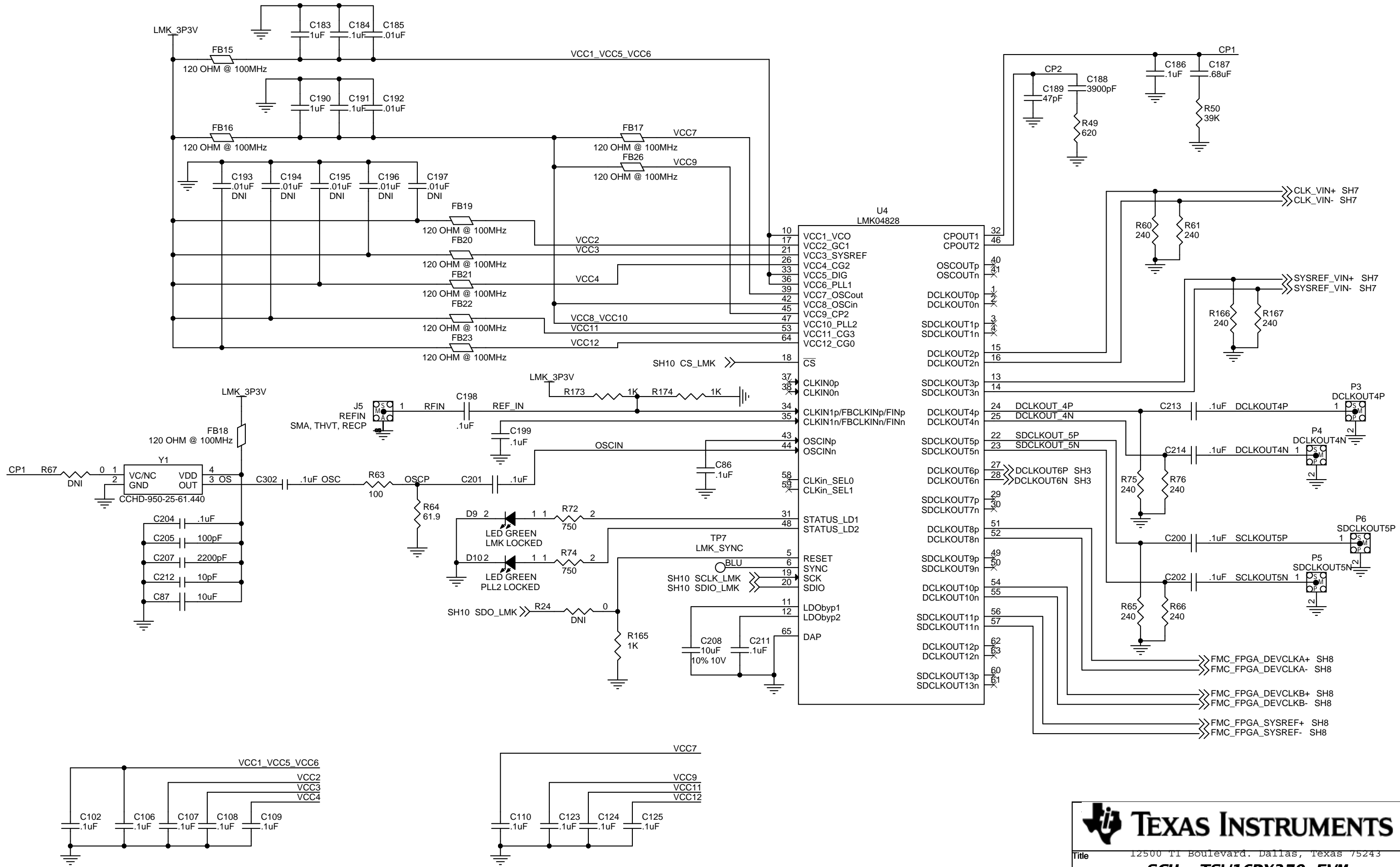
CON, SMVT, HS, FIELD ARRAY, 400POS, MALE

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Title: **SCH, TSW16DX370 EVM**

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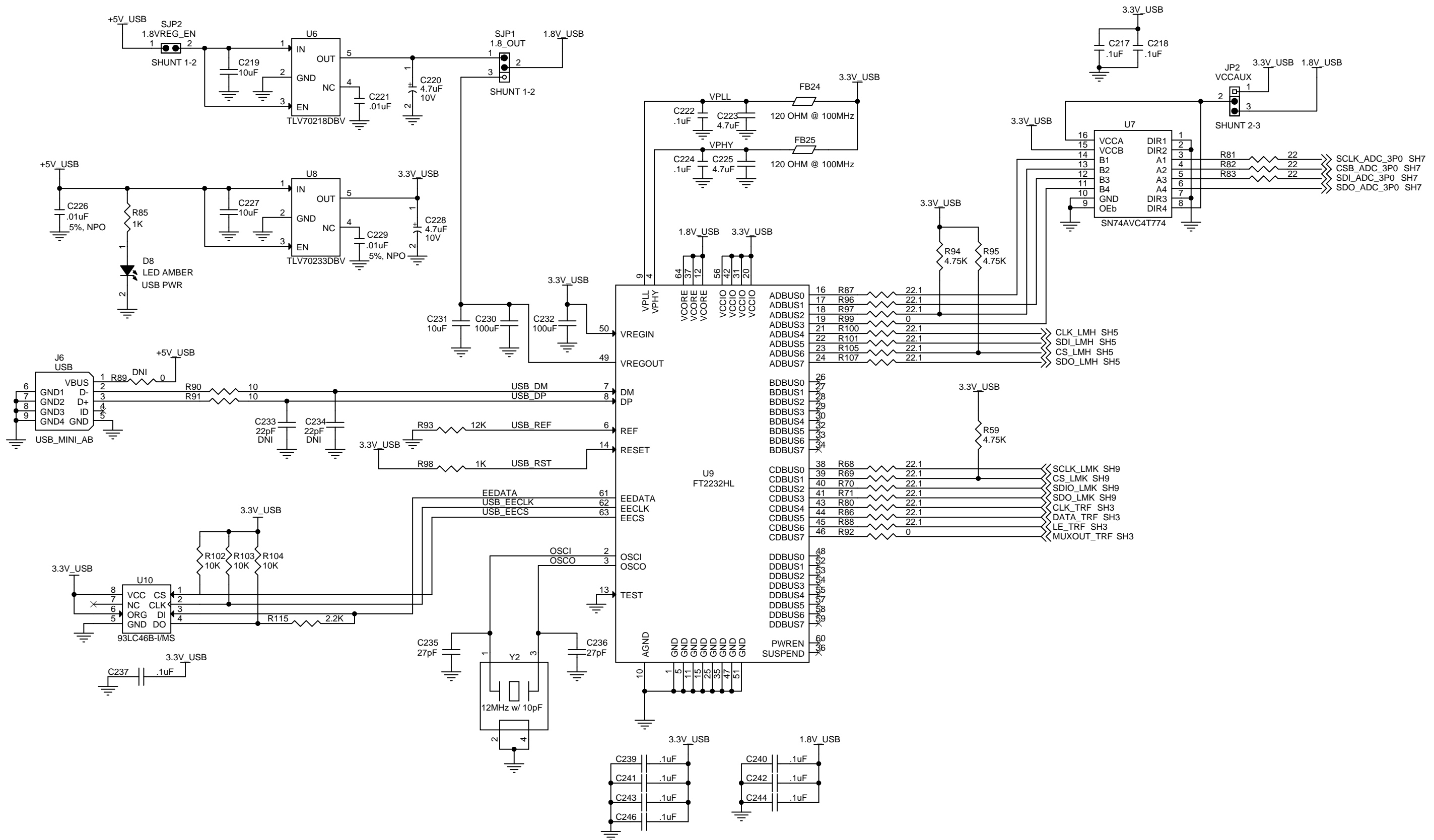
TEXAS INSTRUMENTS

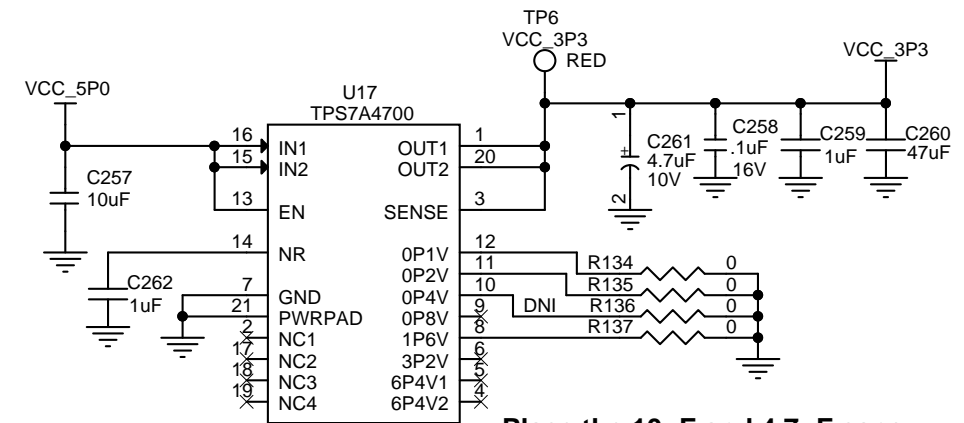
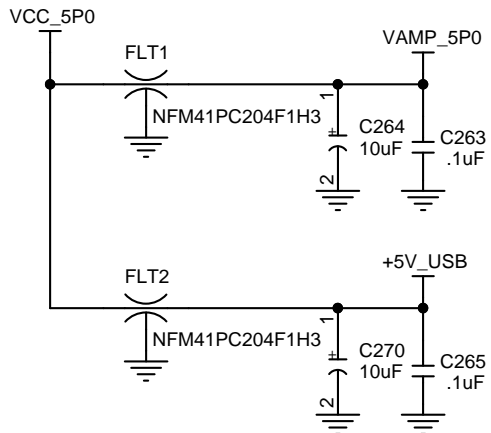
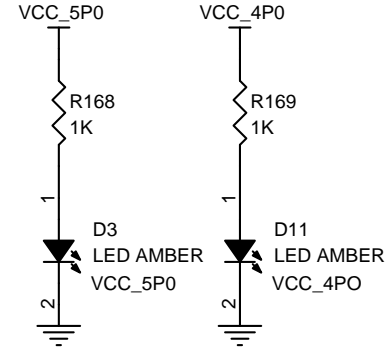
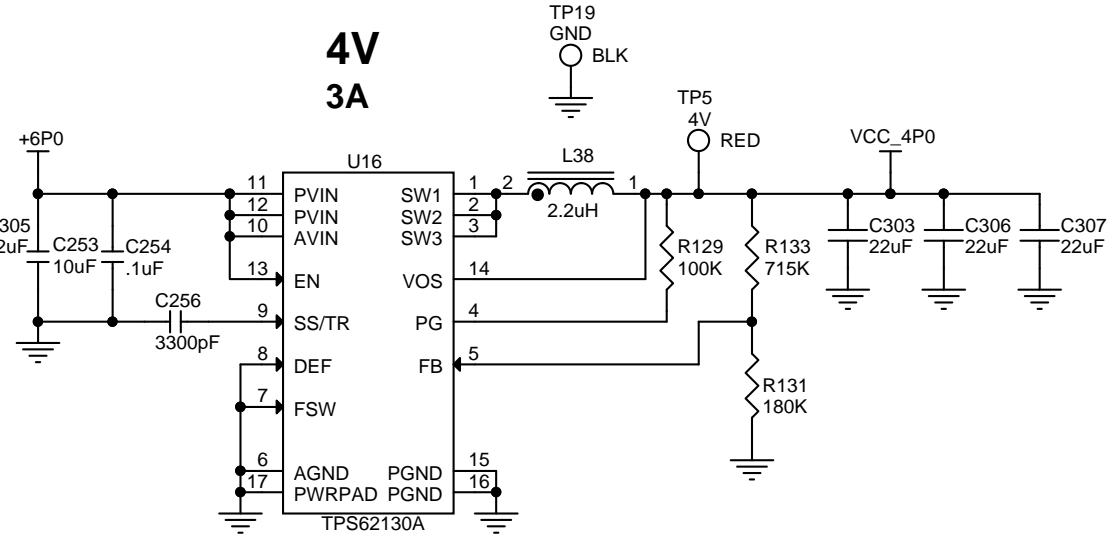
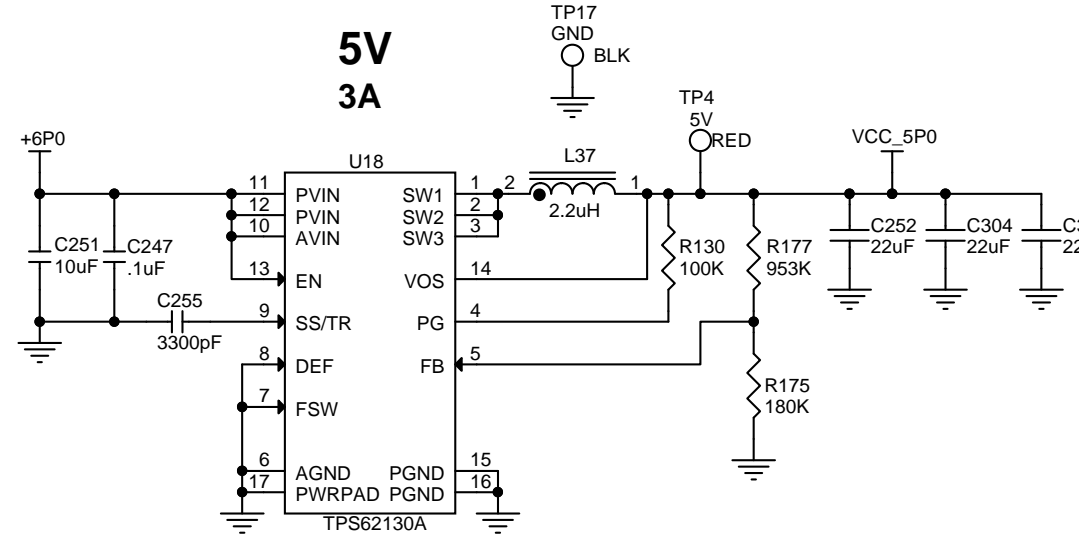
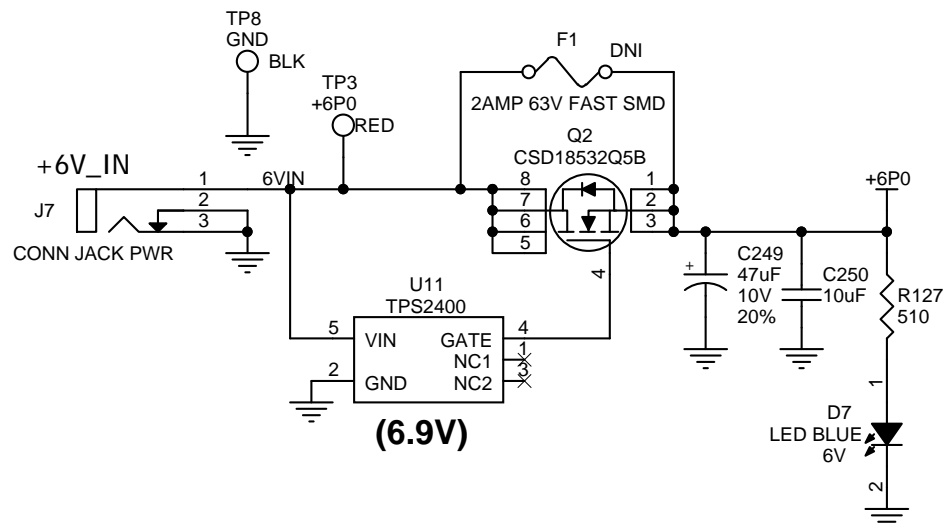
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SCH, TSW16DX370 EVM

Document Number **LMK04828**

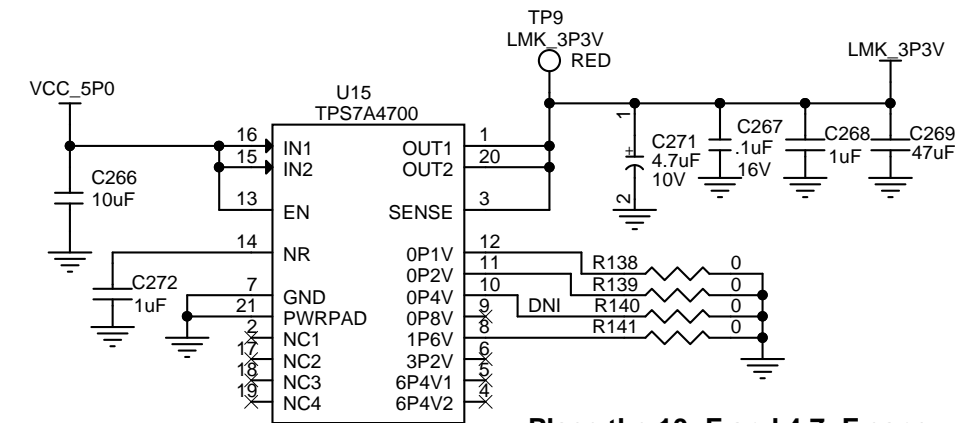
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Place the 10uF and 4.7uF caps close to the LDO.

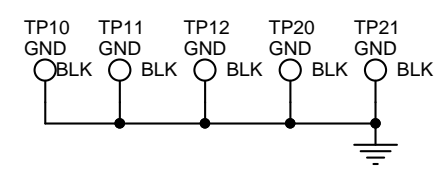
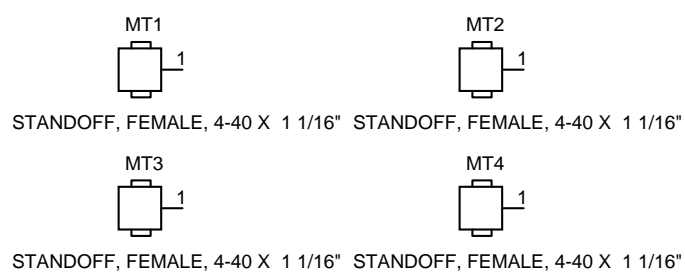
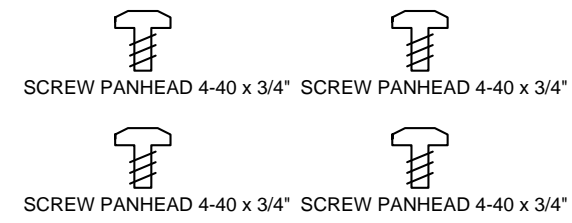
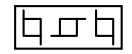
**+3.3V, 1A
(REF = 1.4V)**



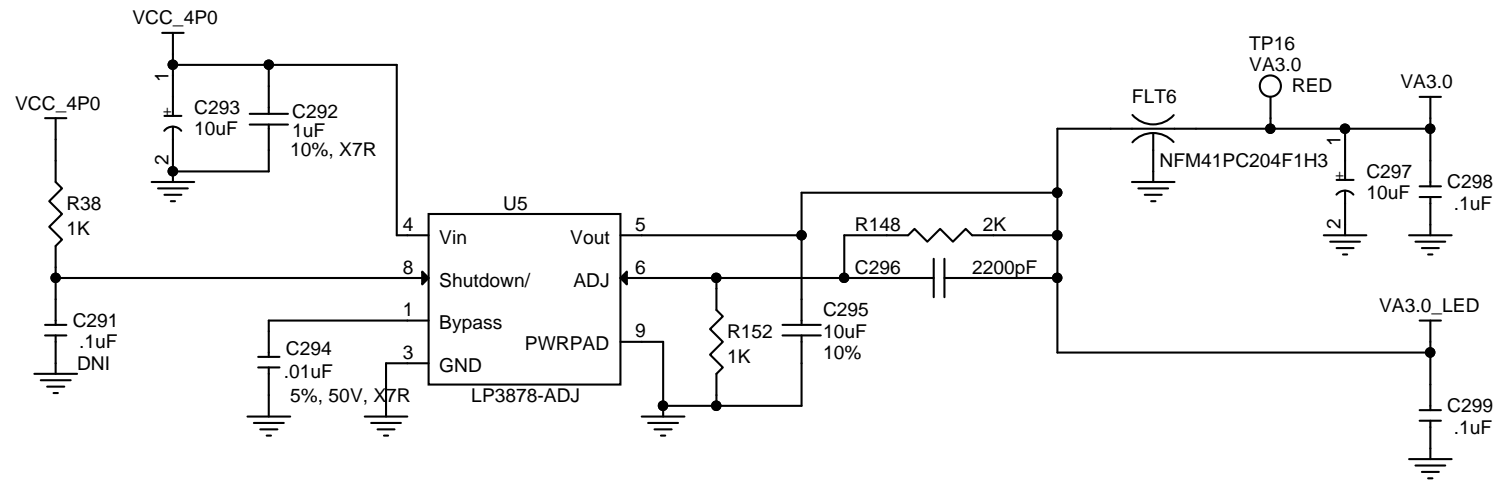
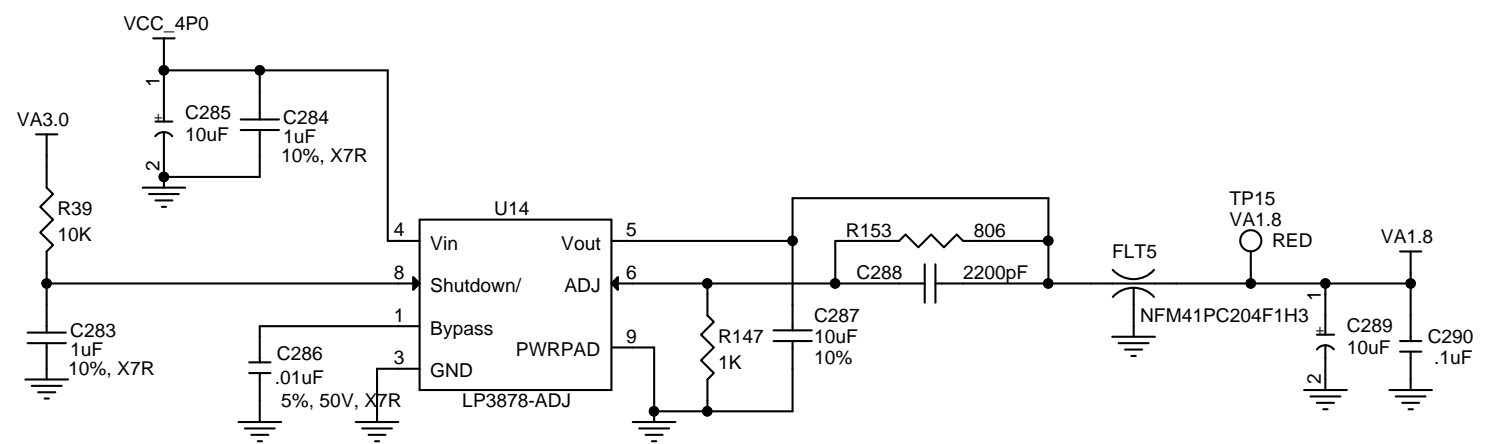
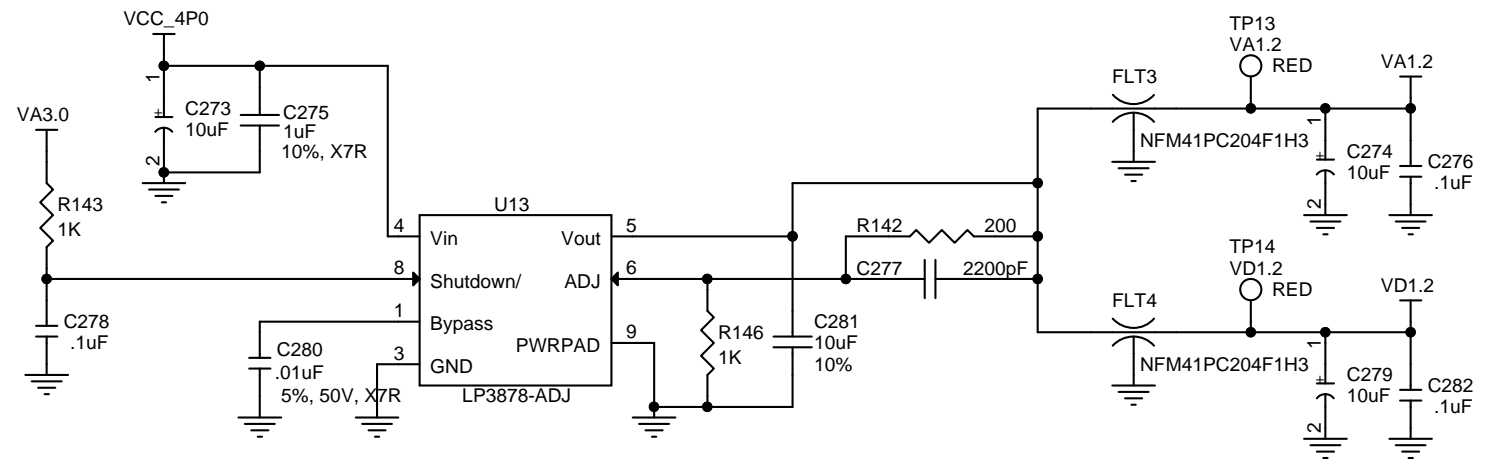
Place the 10uF and 4.7uF caps close to the LDO.

**+3.3V, 1A
(REF = 1.4V)**

BARE BOARD, TSW16DX370



Title		
SCH, TSW16DX370 EVM		
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B	MAIN POWER	B
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