

NOTES:

1. The netname "VCC\_1P8V" represents connection to the +1.8V digital power plane.
2. The netname "VCC\_2P5V" represents connection to the +2.5V digital power plane.
3. The netname "VCC\_3P3V" represents connection to the +3.3V digital power plane.
4. The netname "GND" represents connection to the ground plane.
5. A "#" suffix on a signal plane indicates an active low signal.
6. All components with designators "U", "Q", and "D" are electrostatic discharge sensitive.
7. All resistor values are in ohms unless otherwise specified.
8. All capacitor values in microfarads unless otherwise specified.
9. Bluewire cicuit modifications are noted by dashed outlines..

HIGHEST REFERENCE DESIGNATORS USED						
BT	C287	D15	FB11	H1	J17	L10
R264	RN4	RP10	SW4	TP32	U23	Y5

Default Jumper Settings
J10 1-2 J5 2-3 J3 2-3,5-6,8-9,11-12,14-15

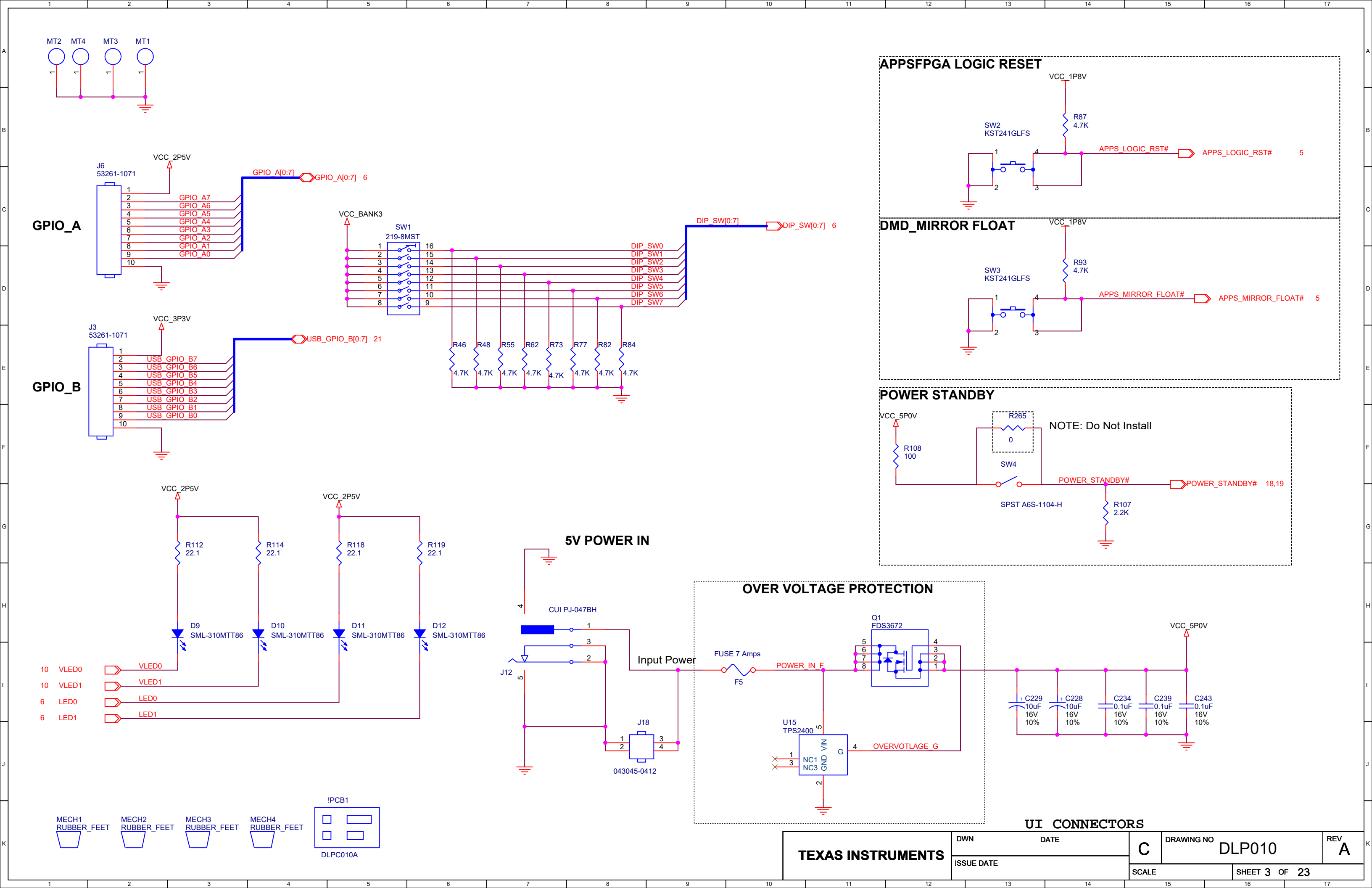
COMPUTER GENERATED DRAWING. DO NOT REVISE MANUALLY			
REVISION			
REV	DESCRIPTION	DATE	APPROVED
A	Initial Release: baselined from 2510299 Rev D.	08/17/08	

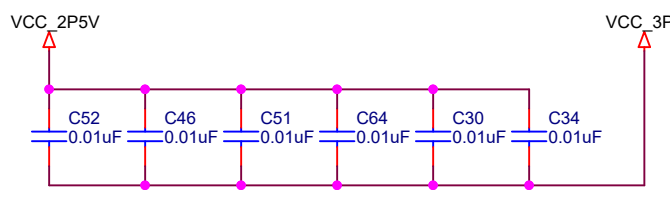
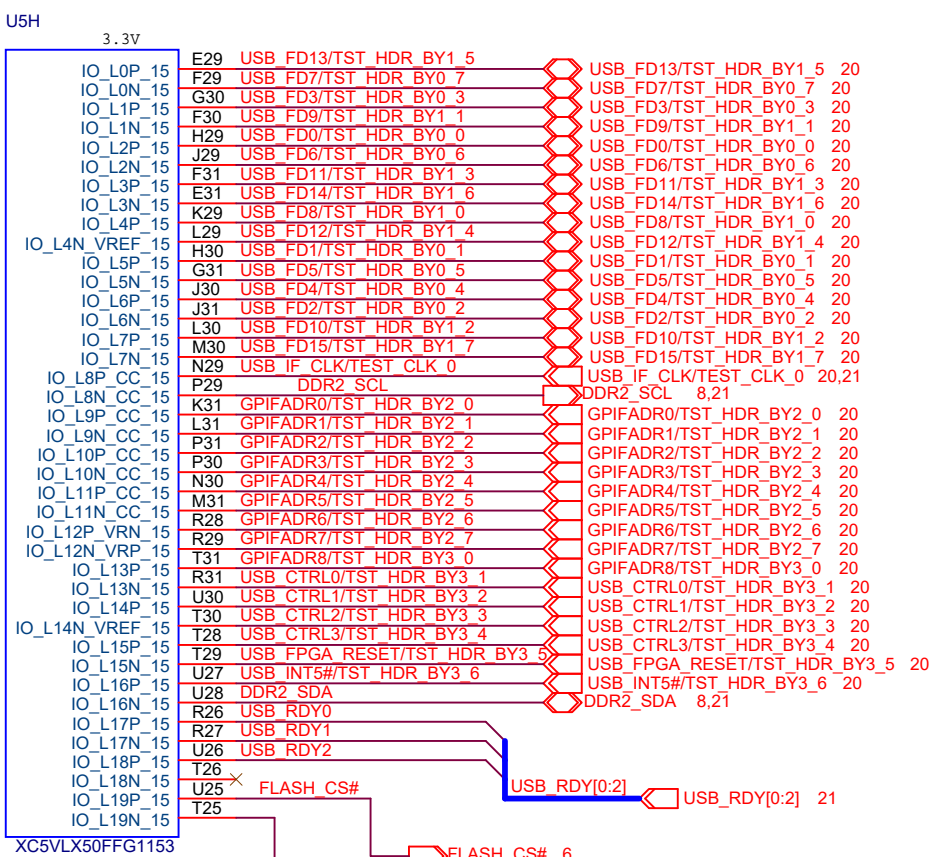
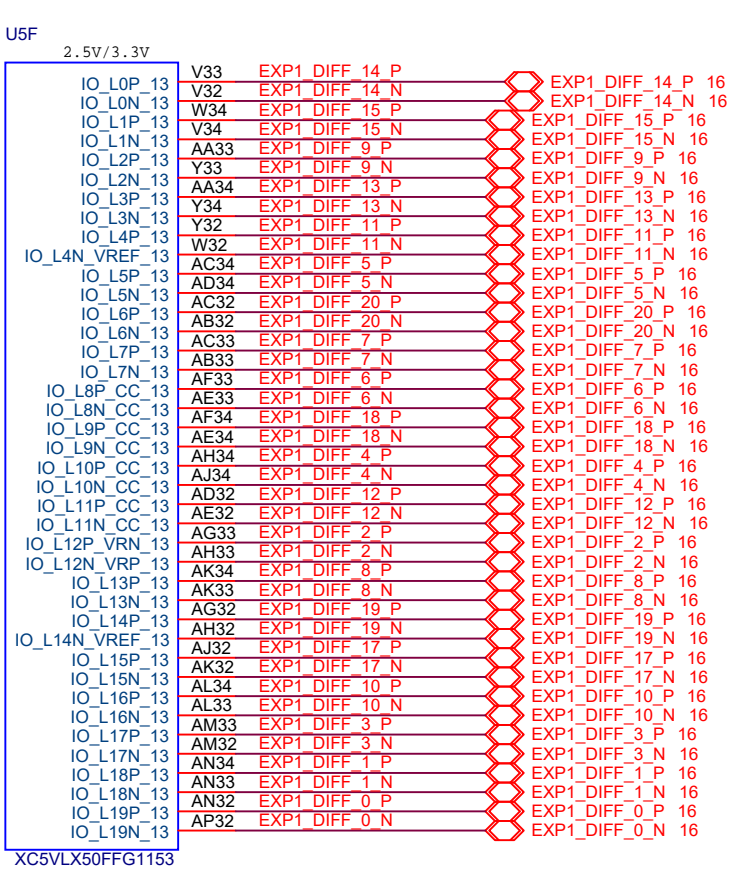
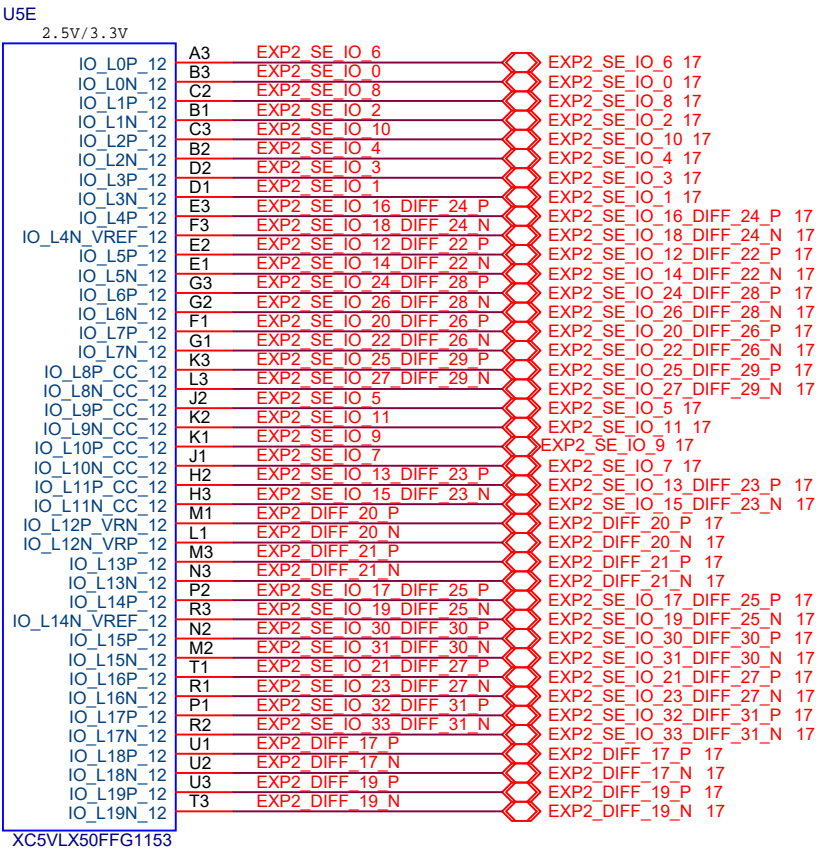
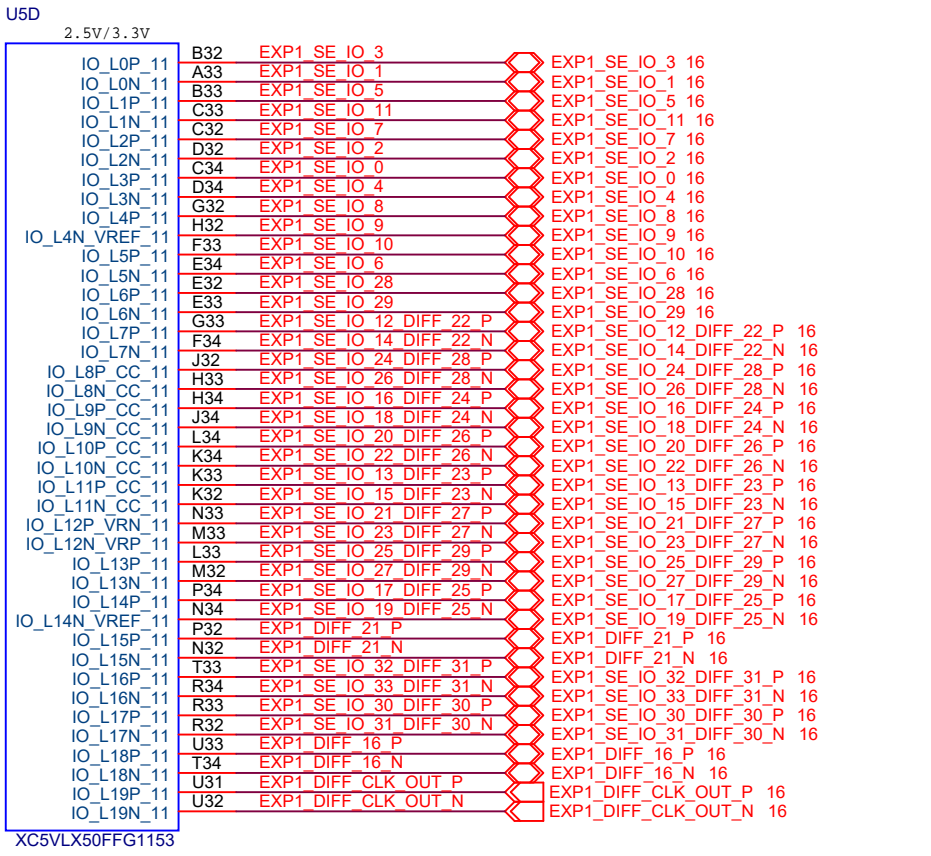


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		DWN	DATE	<b>TEXAS INSTRUMENTS</b> (C) COPYRIGHT 2008 TEXAS INSTRUMENTS ALL RIGHTS RESERVED		
		ENGR				
		APVD				
		MFG				
2509486	0314CP	QA		TITLE DLP010A - DLPLCRC410EVM Board		
NEXT ASSY	USED ON			DRAWING NO	DLP010	REV A
APPLICATION		SW	Orcad Capture 16.0.0	SCALE	SHEET 1 of 23	

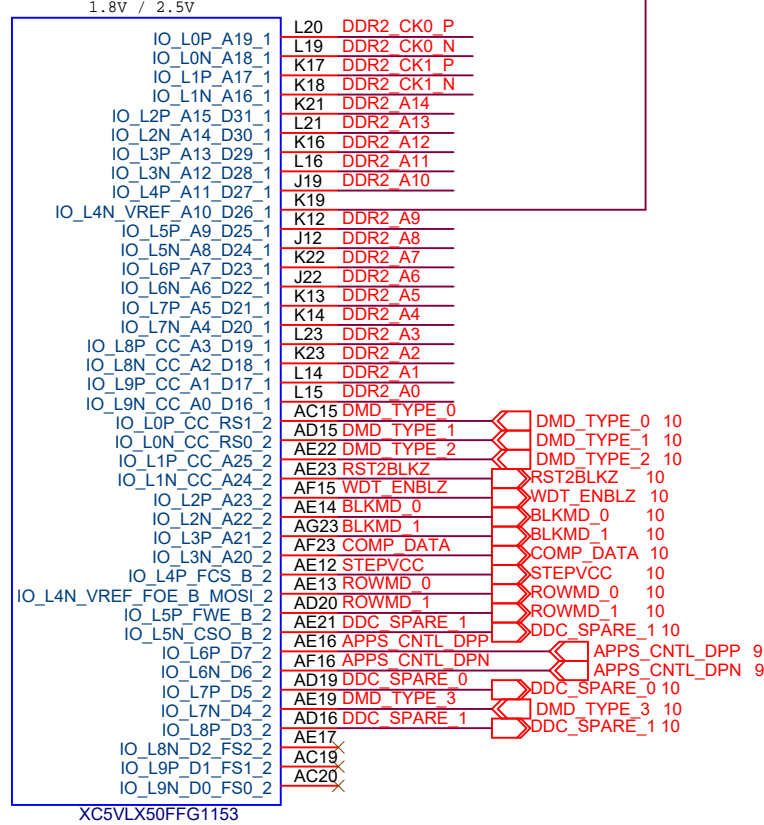




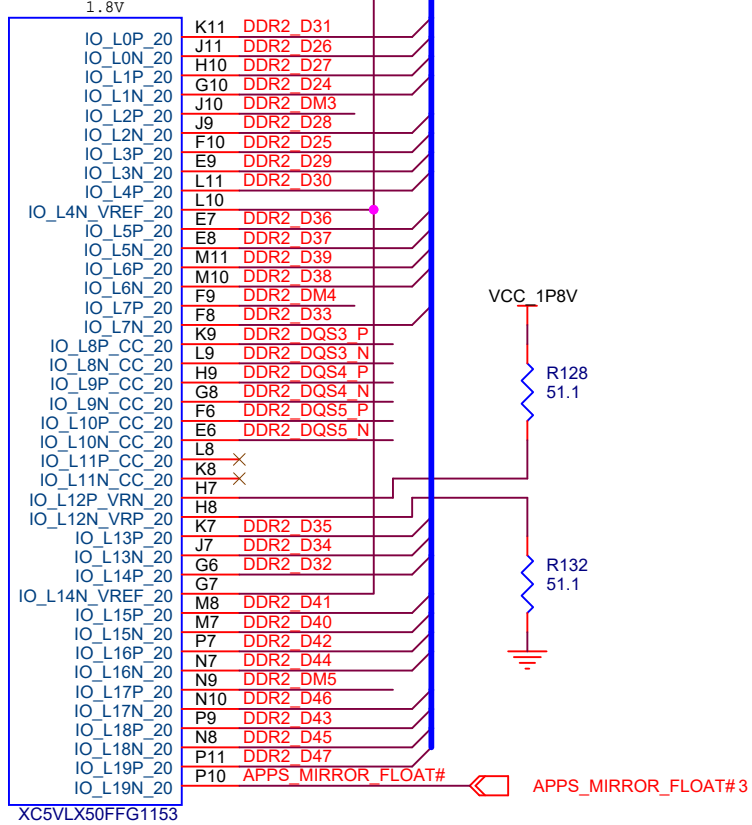


APPS FPGA - 1

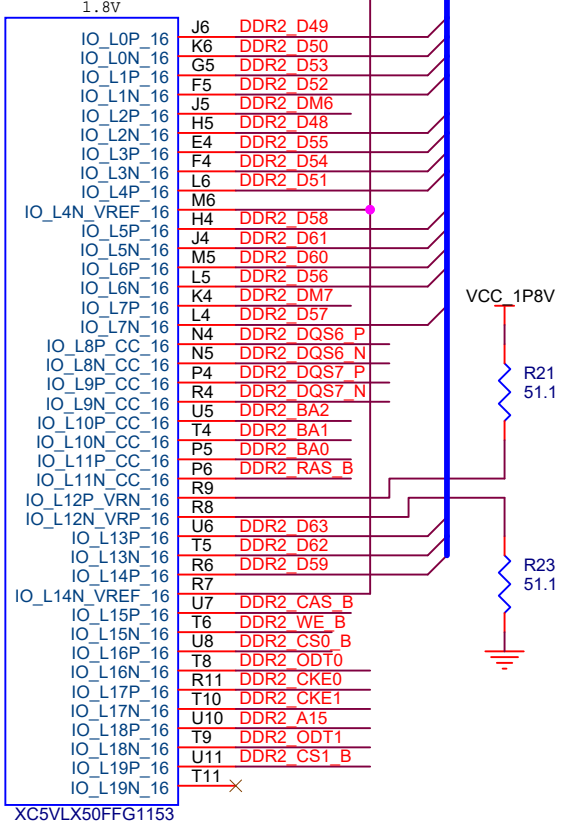
U5B



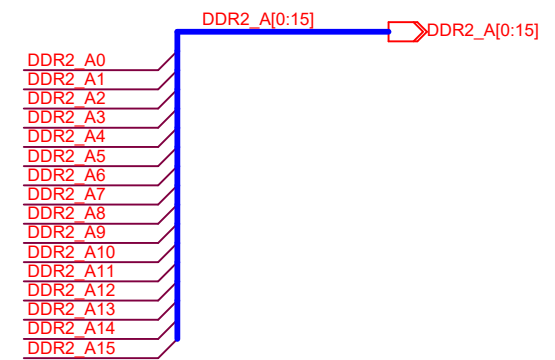
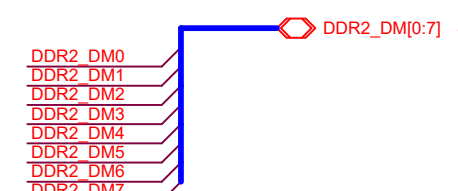
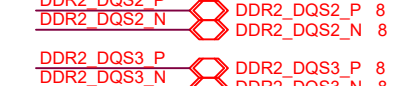
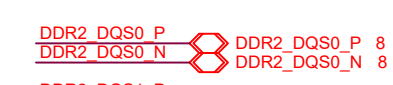
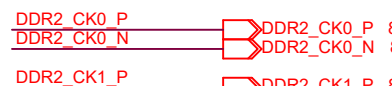
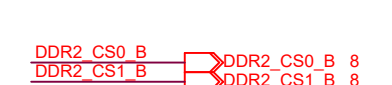
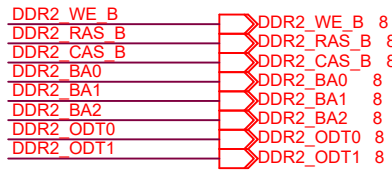
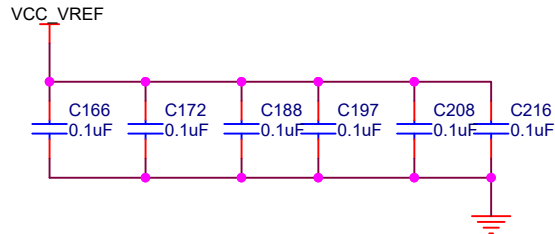
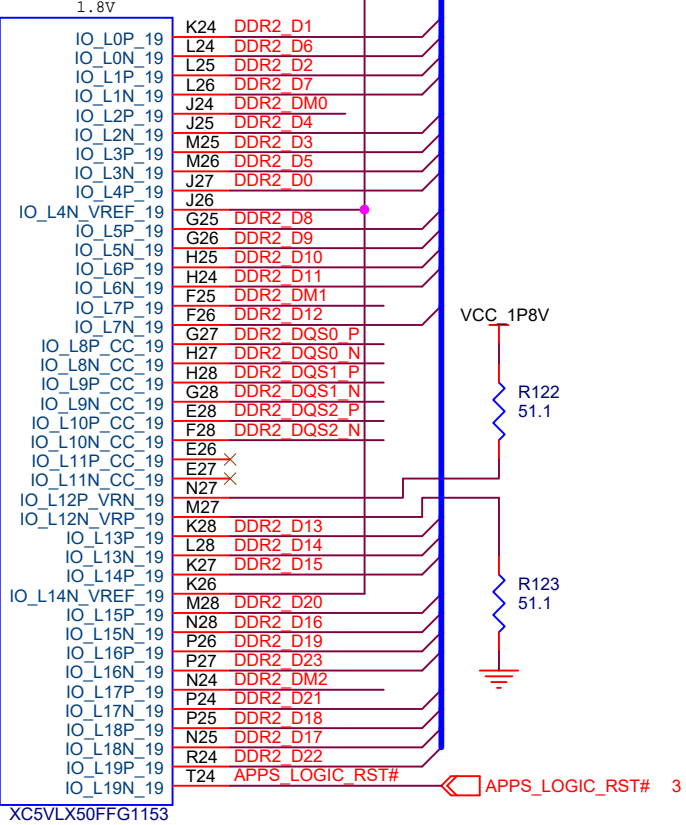
U5M



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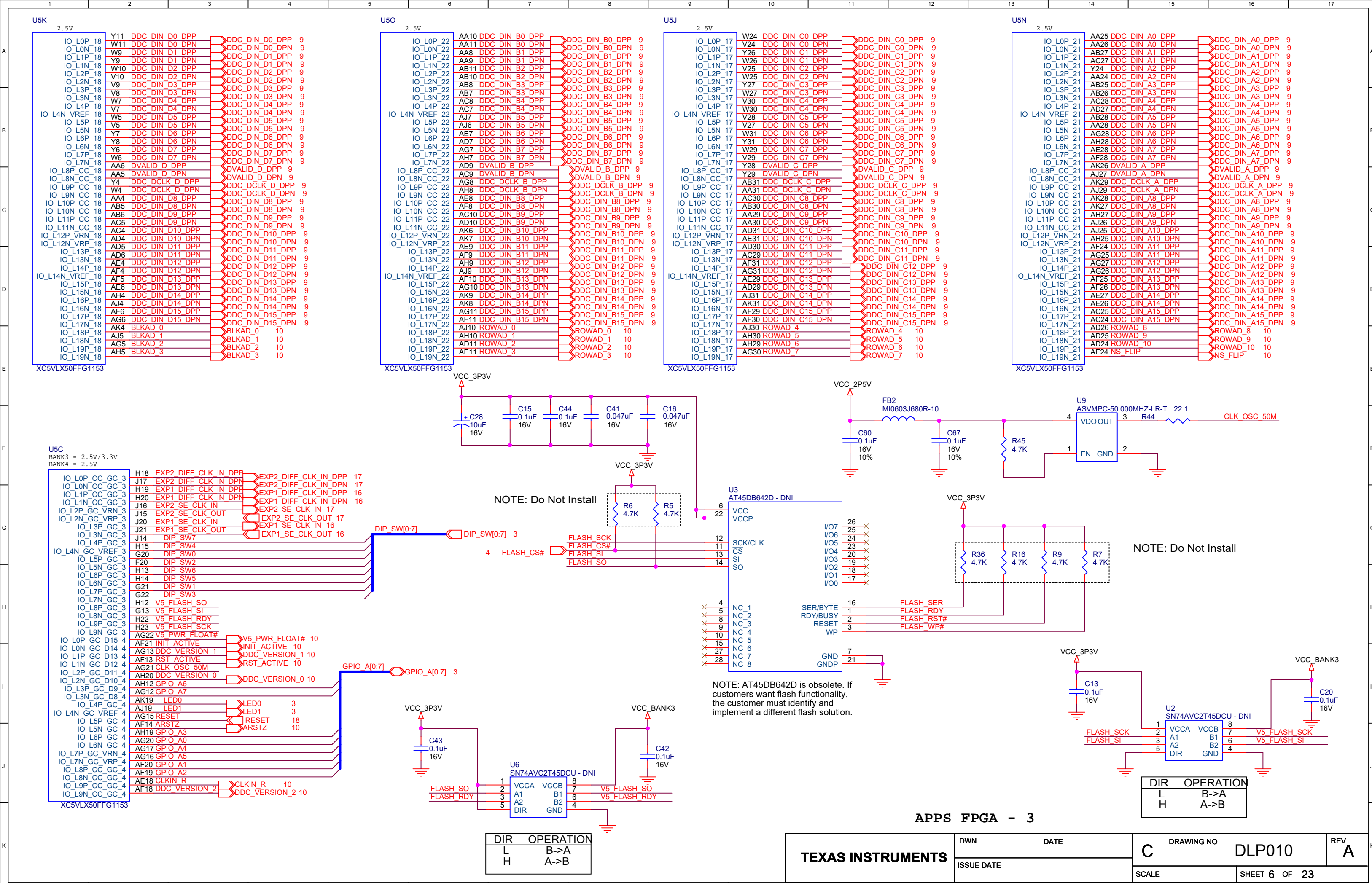


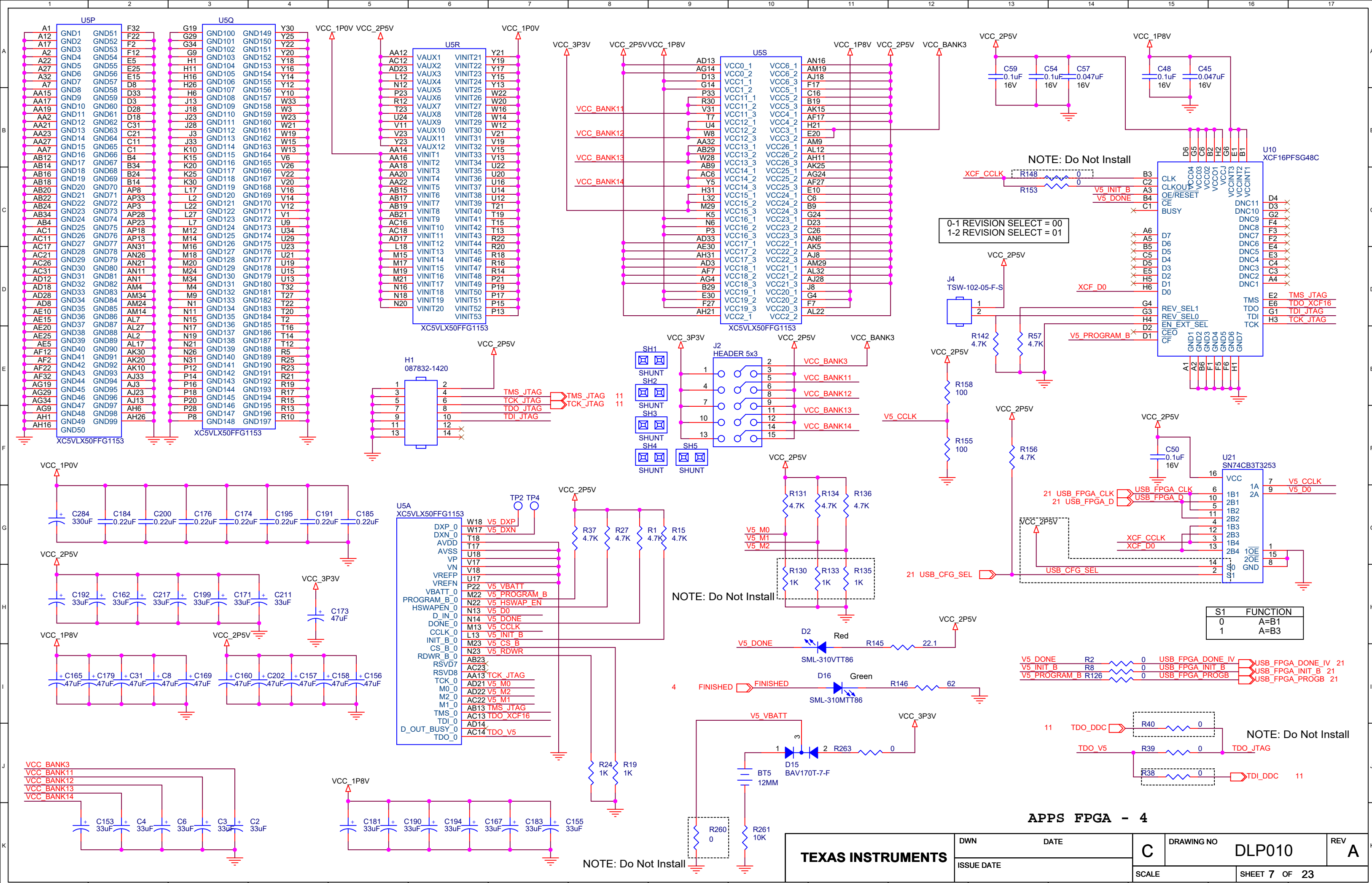
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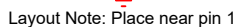


APPS FPGA - 2









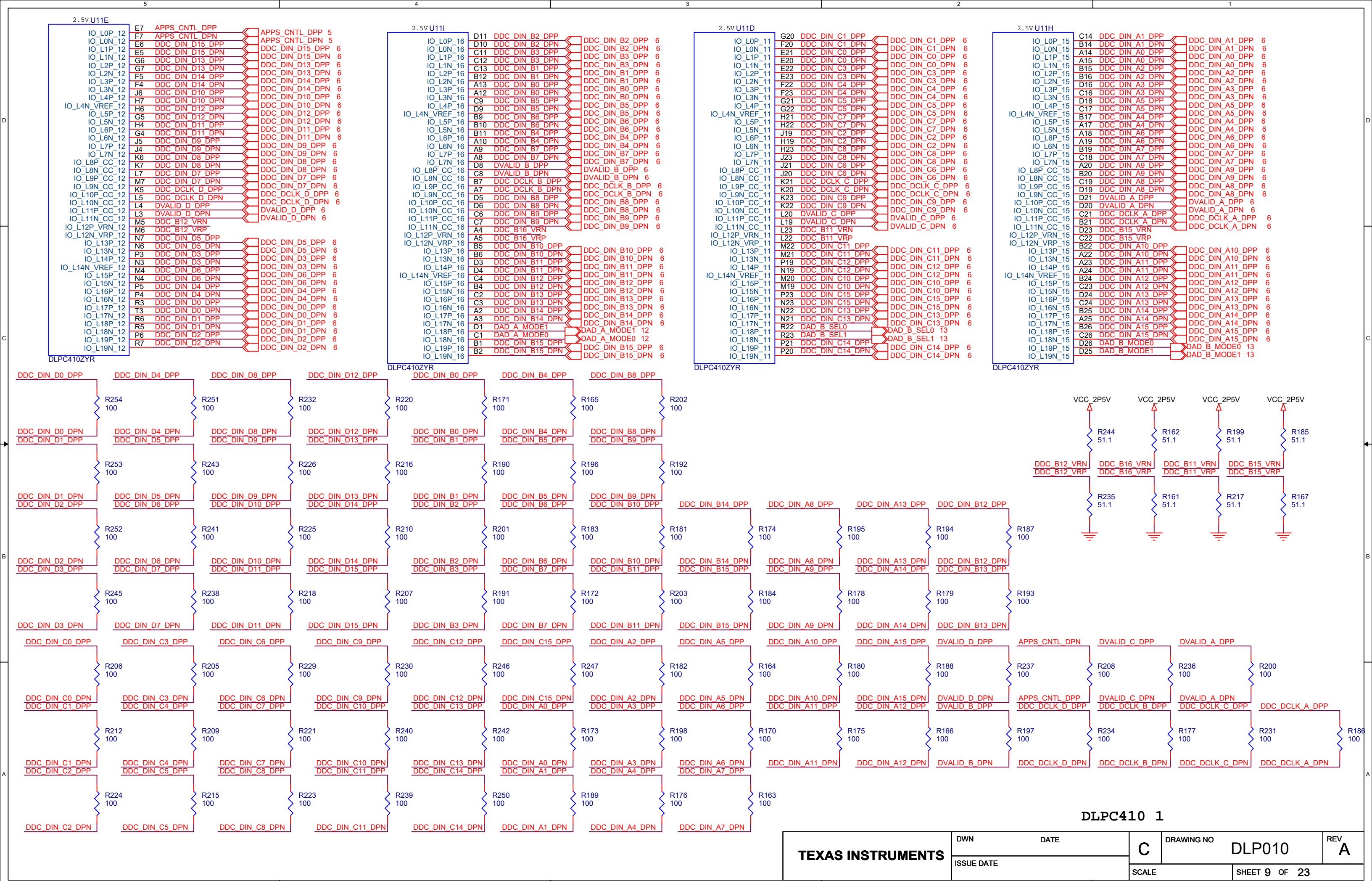
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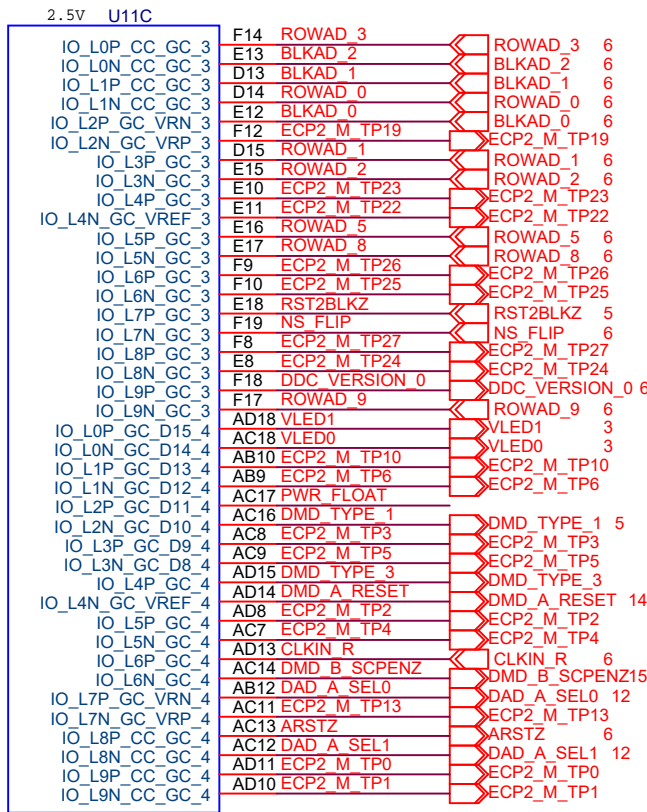
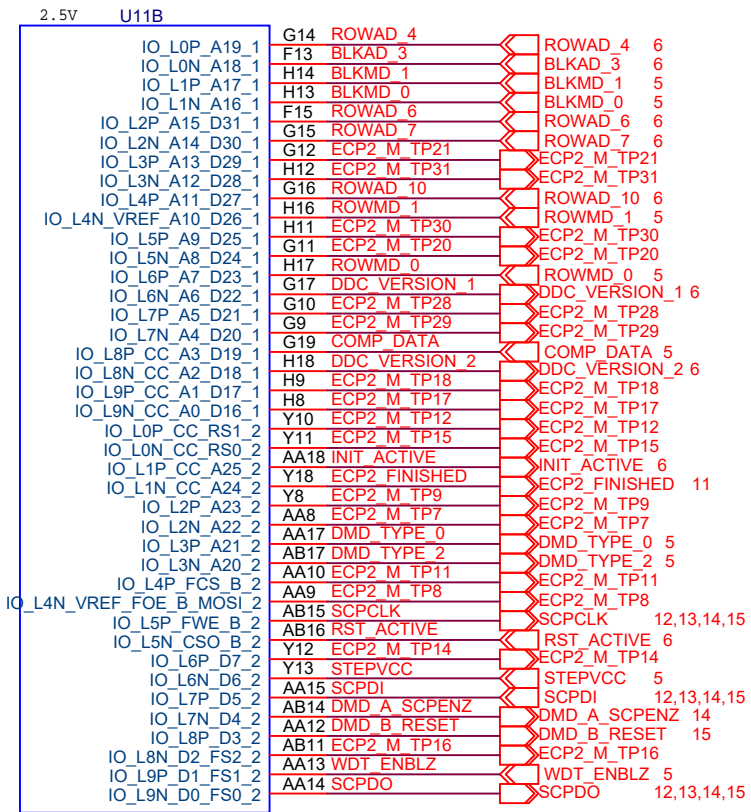
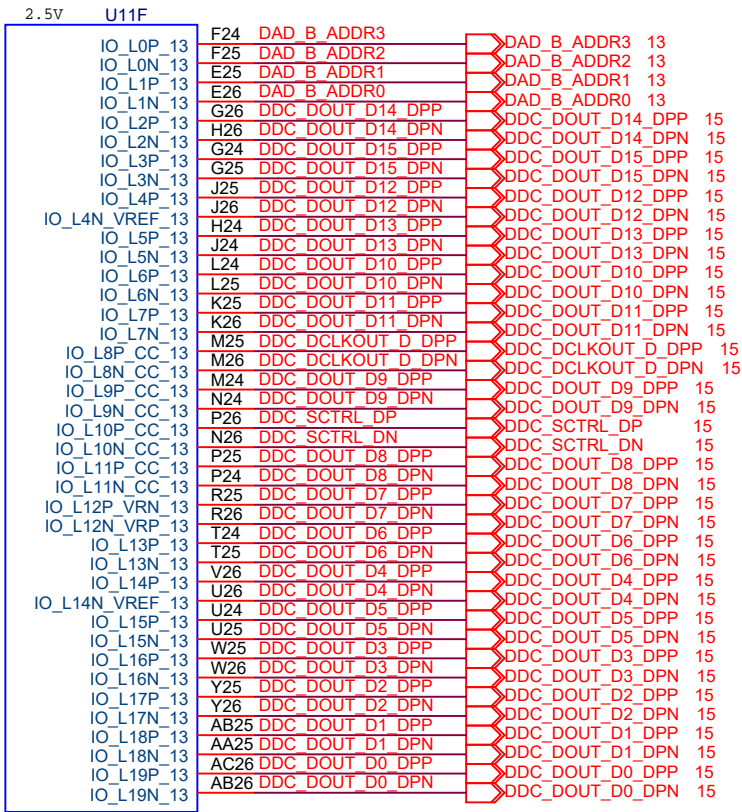
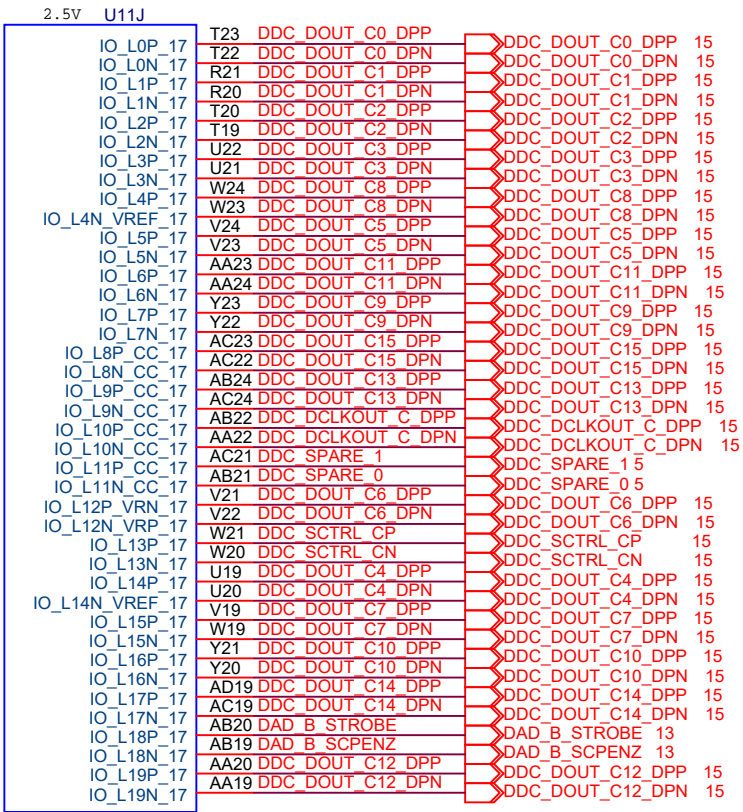
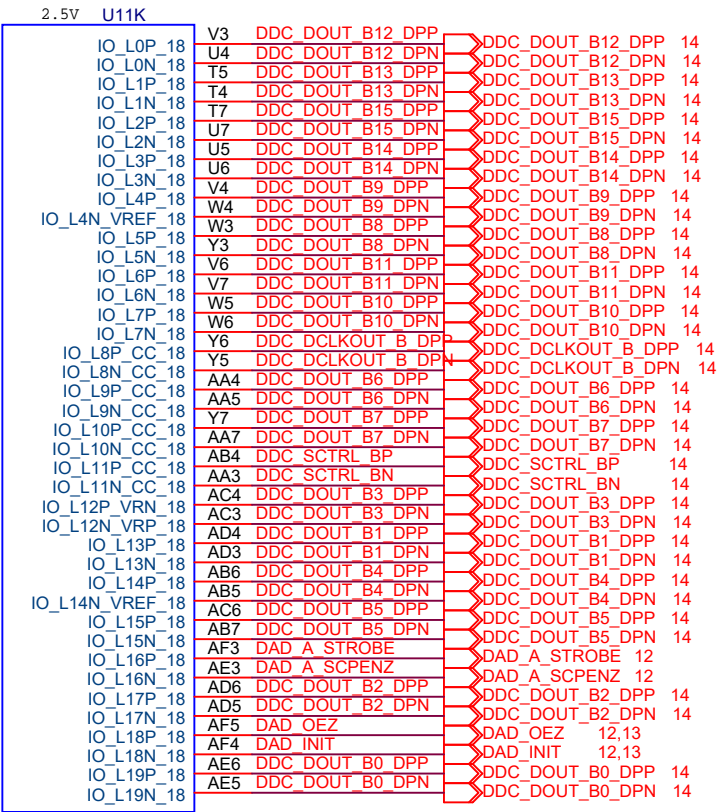
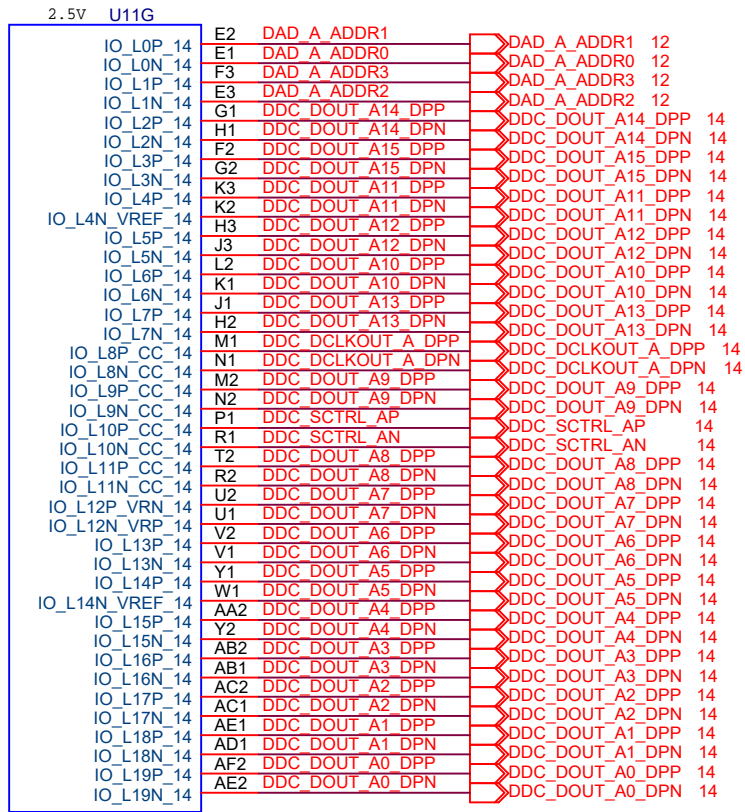
ISSUE DATE

DLP010

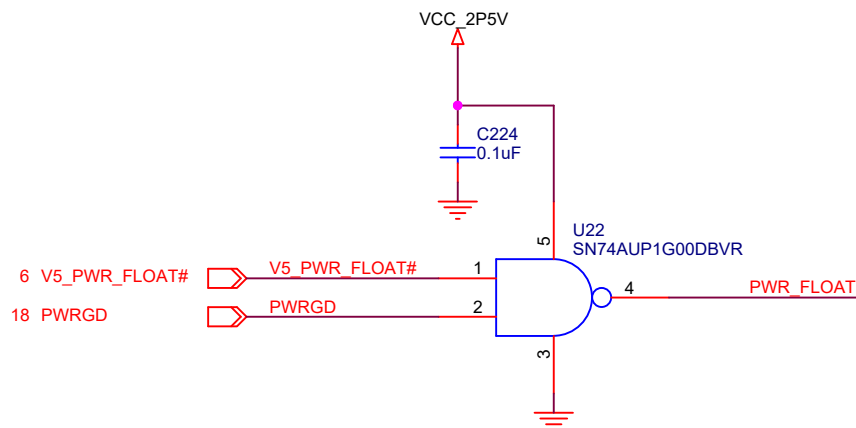
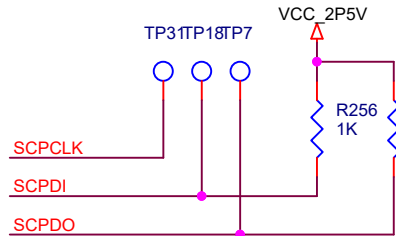
SHEET 8 OF 23







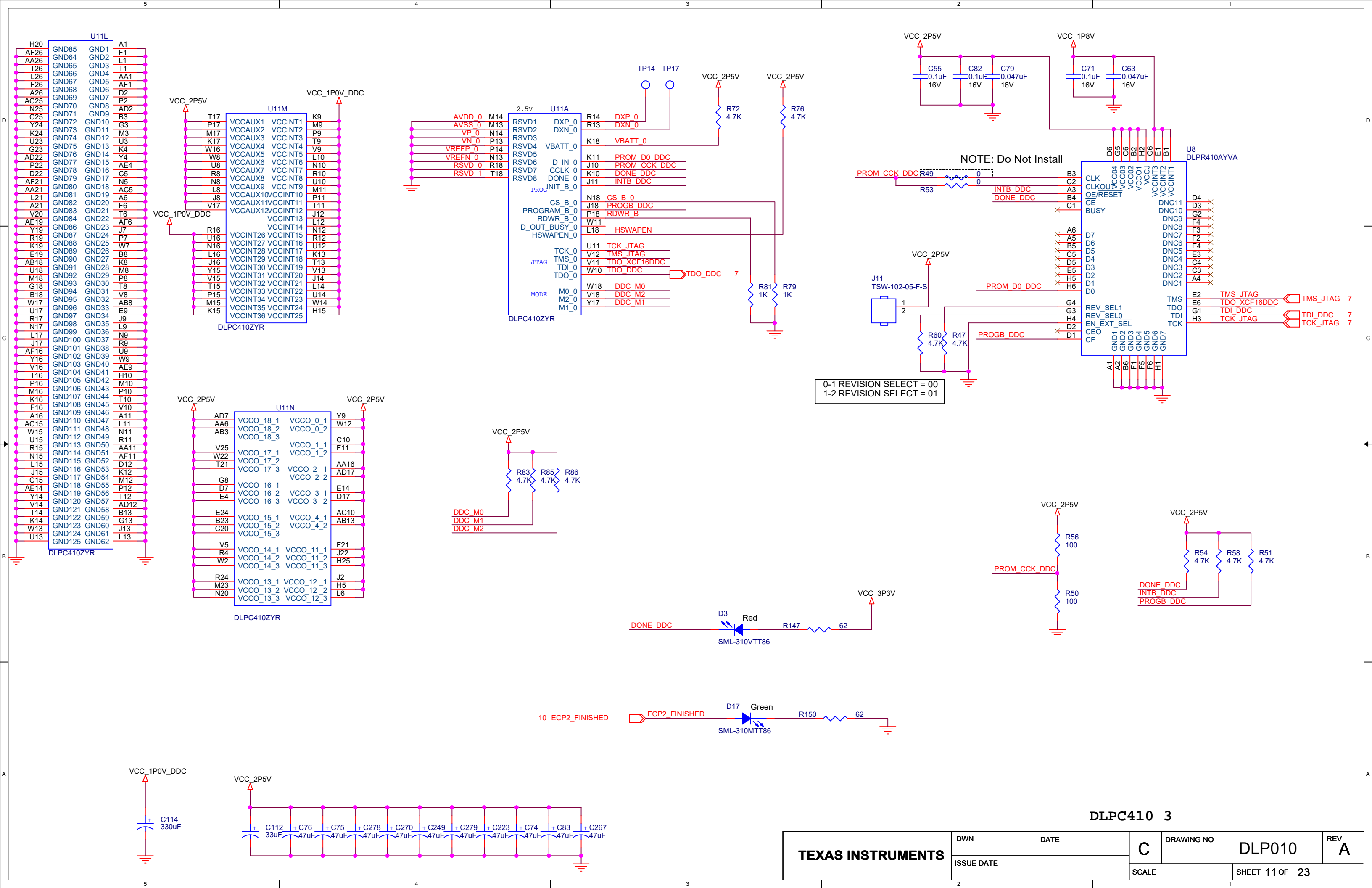
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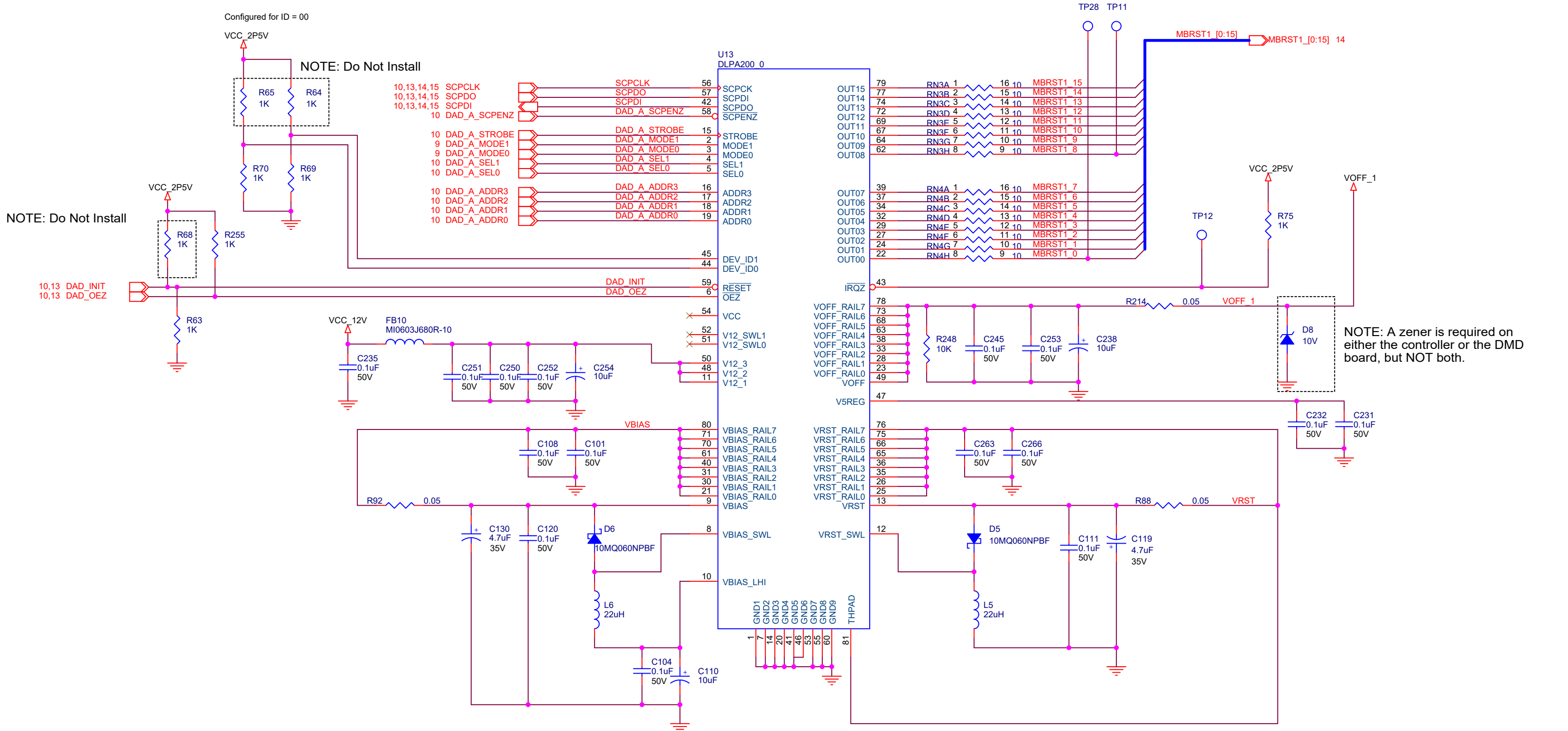
When PWR\_FLOAT goes high, the DMD mirrors will float. The board must be power cycled to unfloat.

V5_PWR_FLOAT#	PWRGD	PWR_FLOAT
0	0	1
0	1	1
1	0	1
1	1	0

DLPC410 2







Note: The thermal pad (THPAD) is connected internally to VRESET\_RAIL.  
Do Not Connect the thermal pad (THPAD) to Ground.

DLPA200 A

TEXAS INSTRUMENTS

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DRAWING NO

DLP010

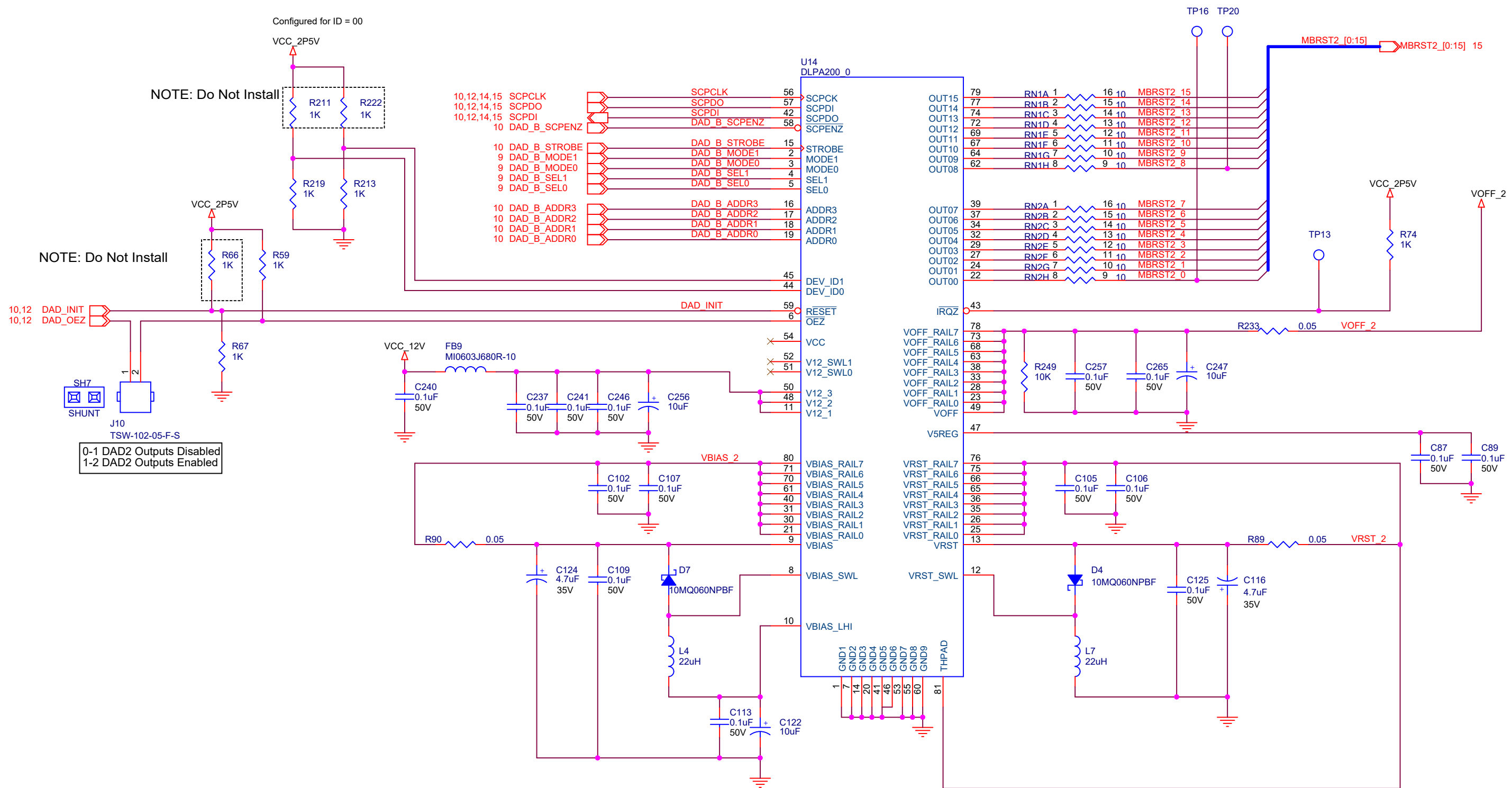
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A

SCALE

SHEET 12 OF 23



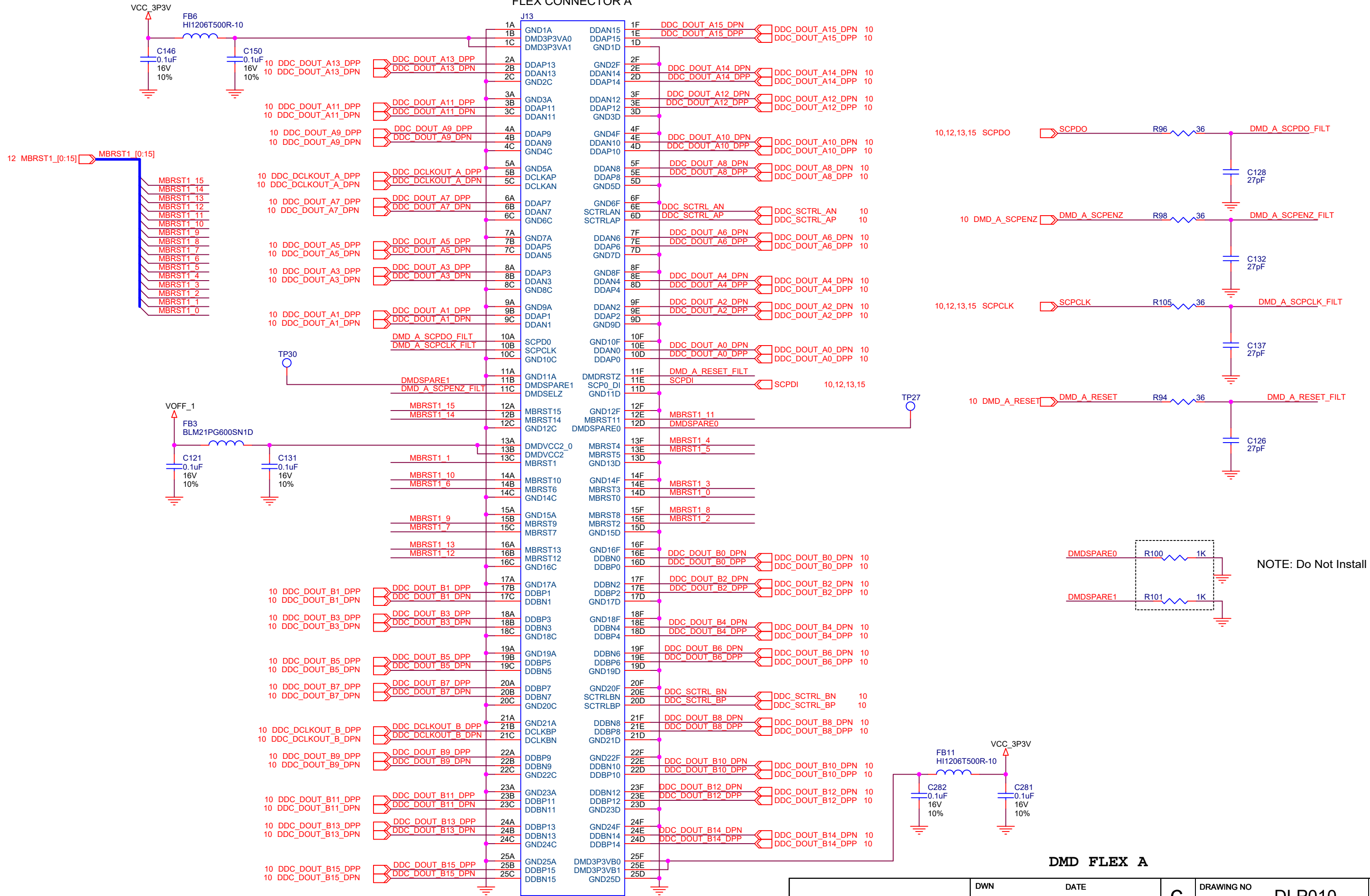


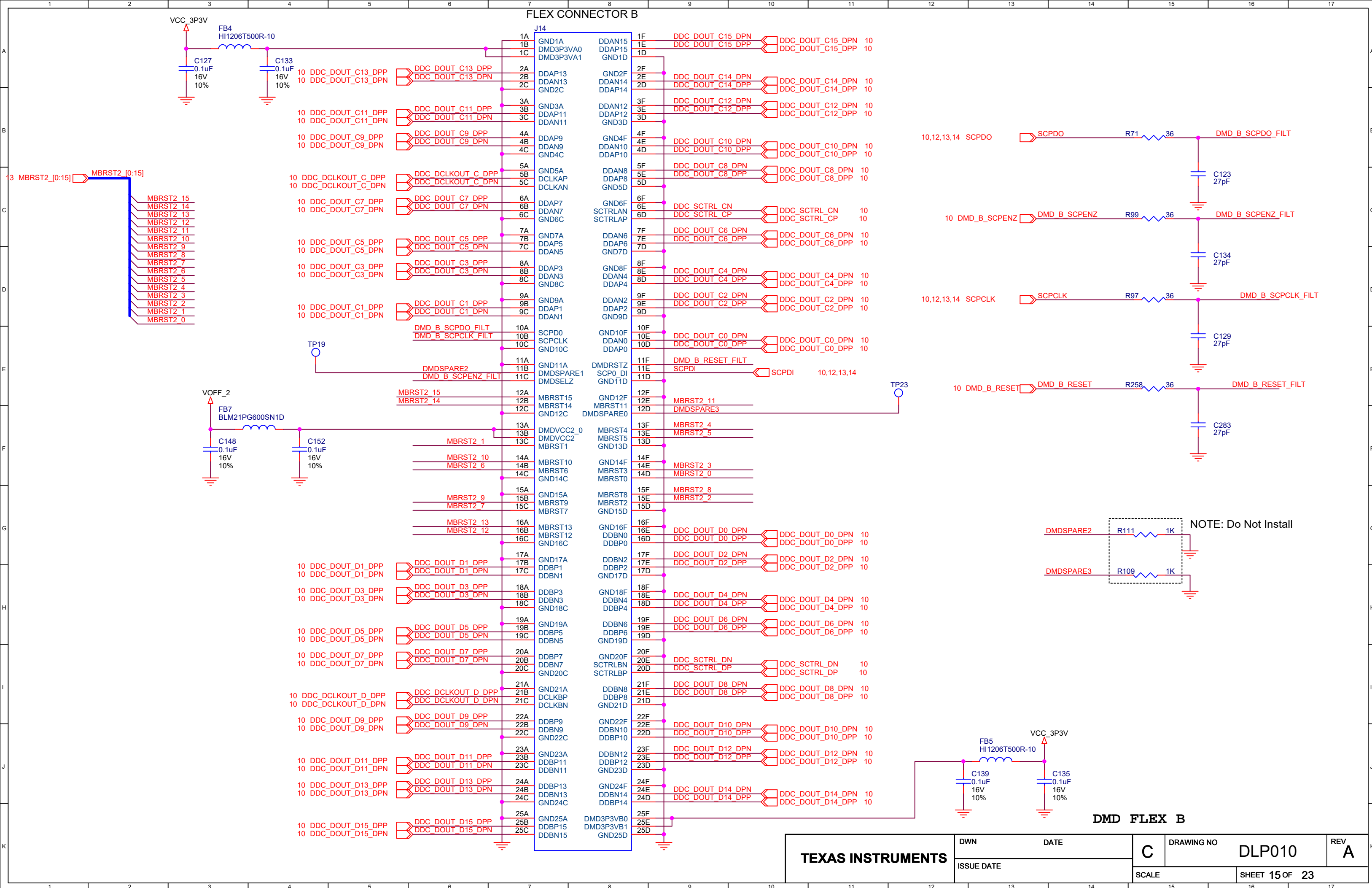
Note: The thermal pad (THPAD) is connected internally to VRESET\_RAIL.  
Do Not Connect the Thermal Pad (THPAD) to Ground.

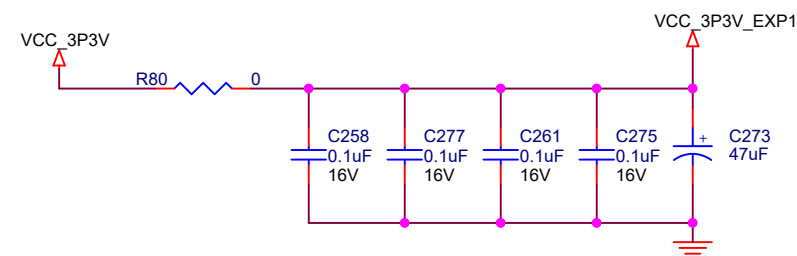
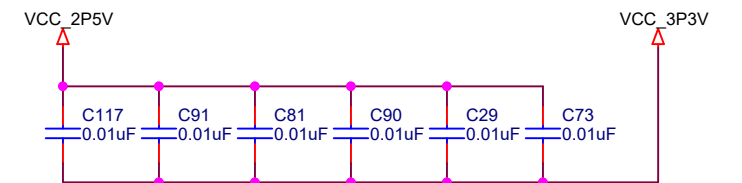
### DLPA200 B

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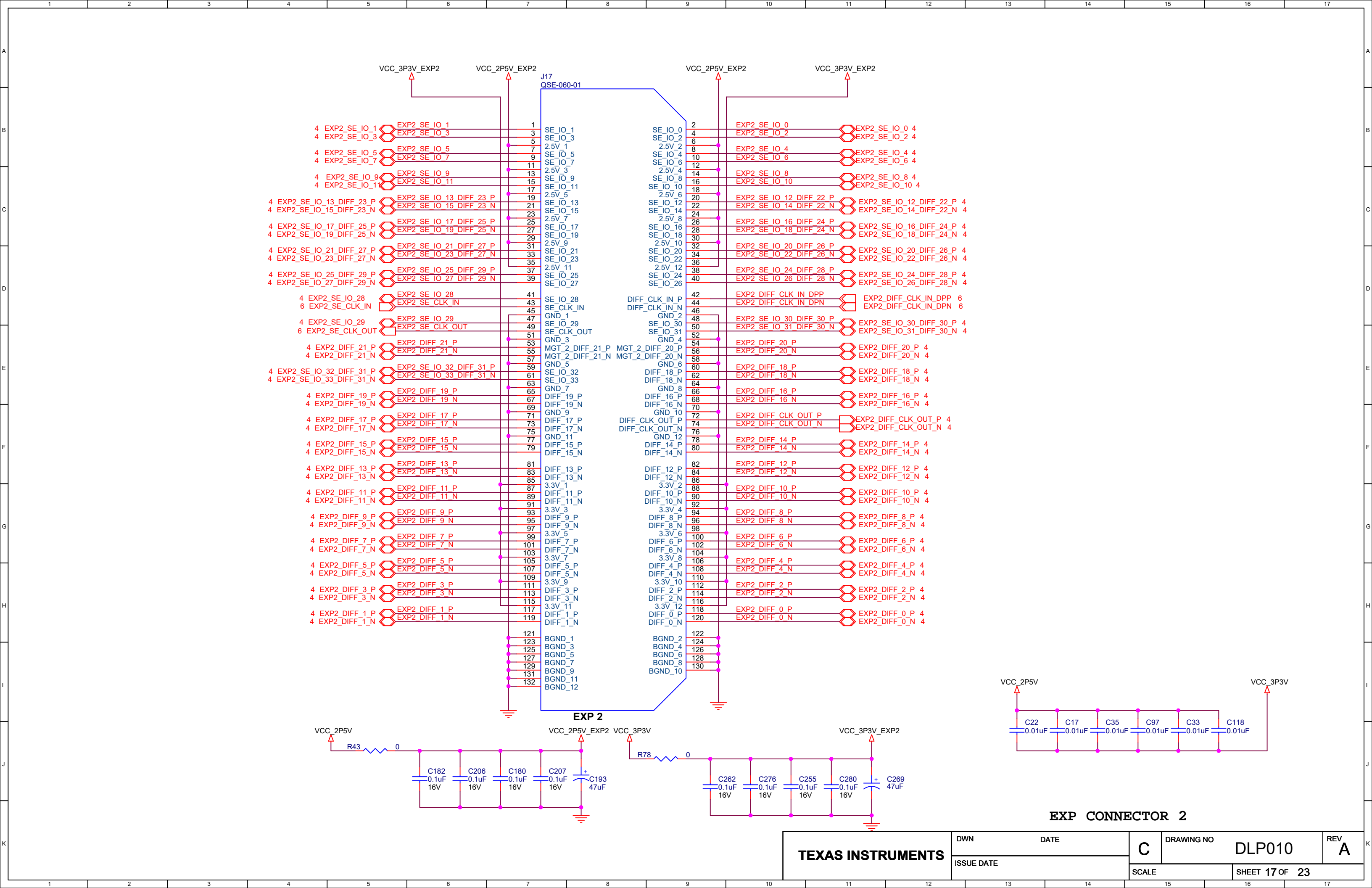
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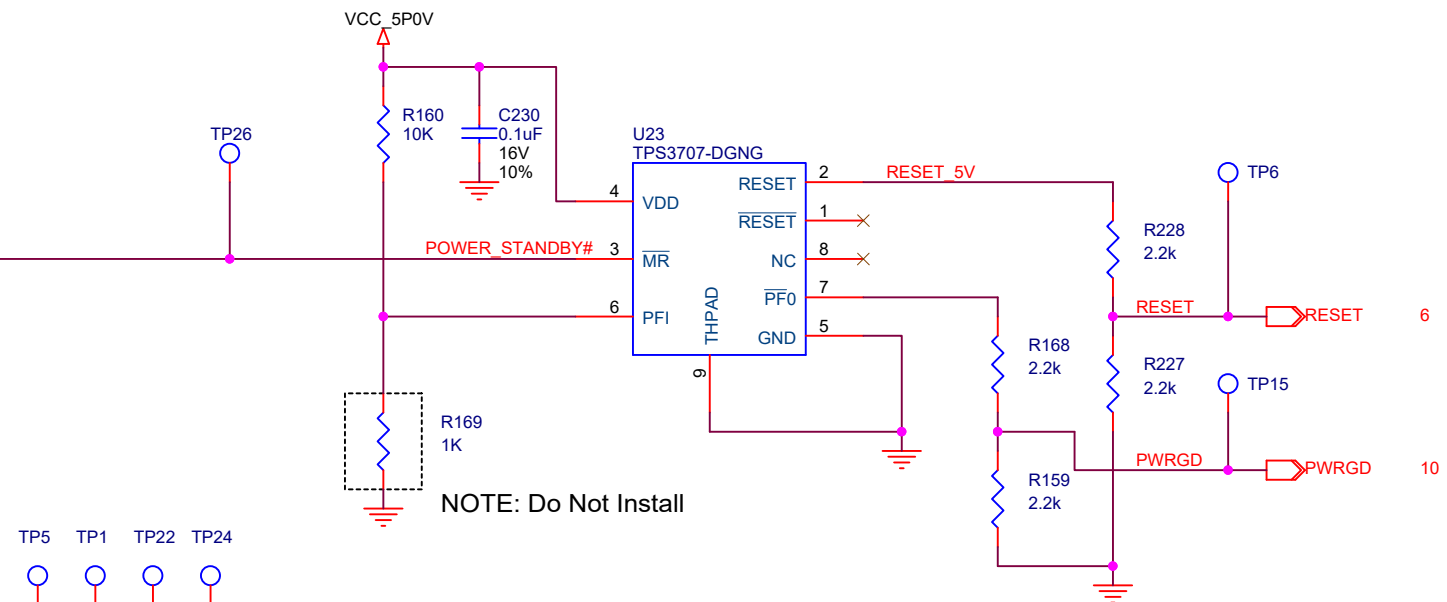
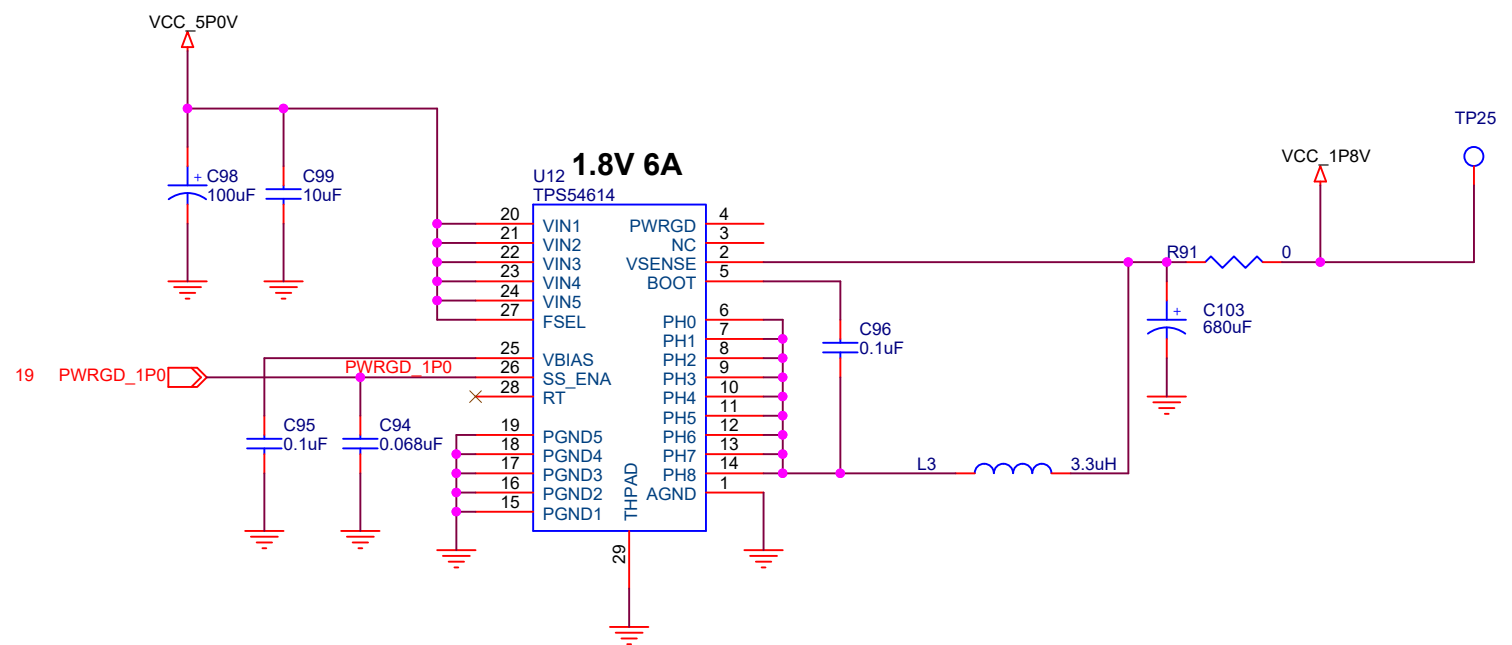
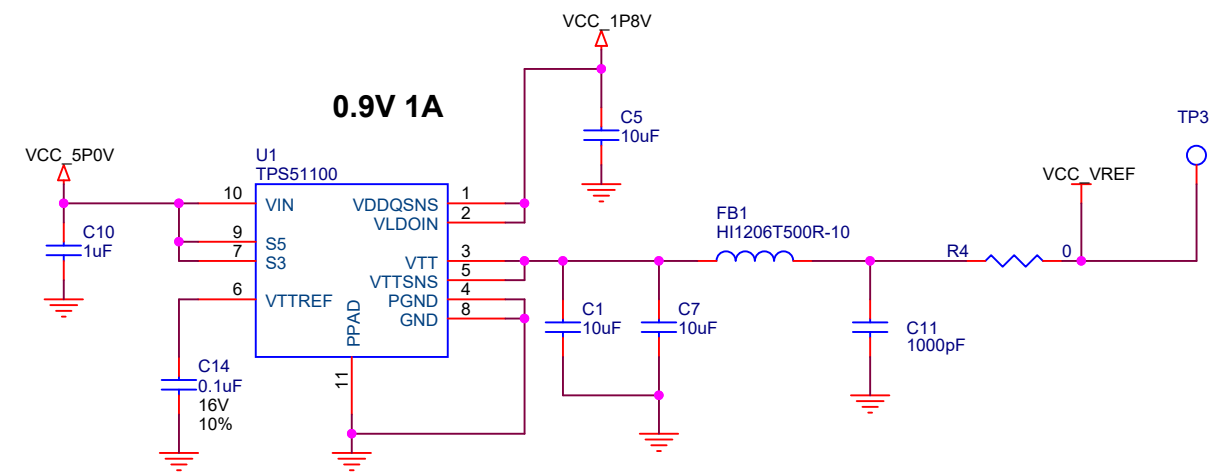
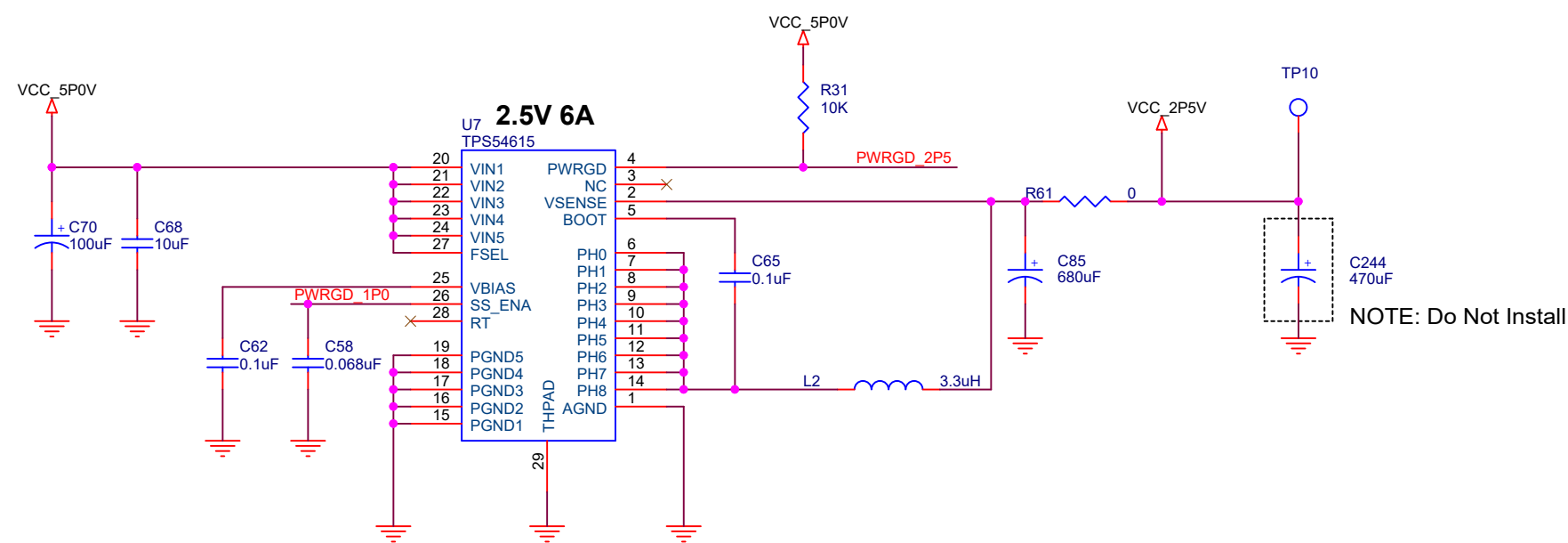
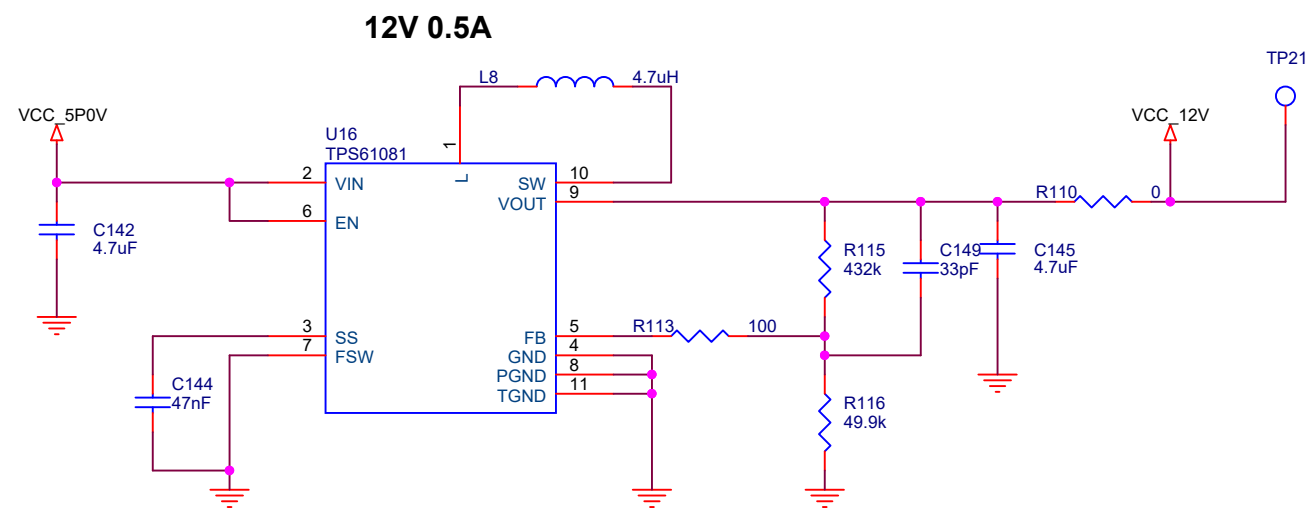
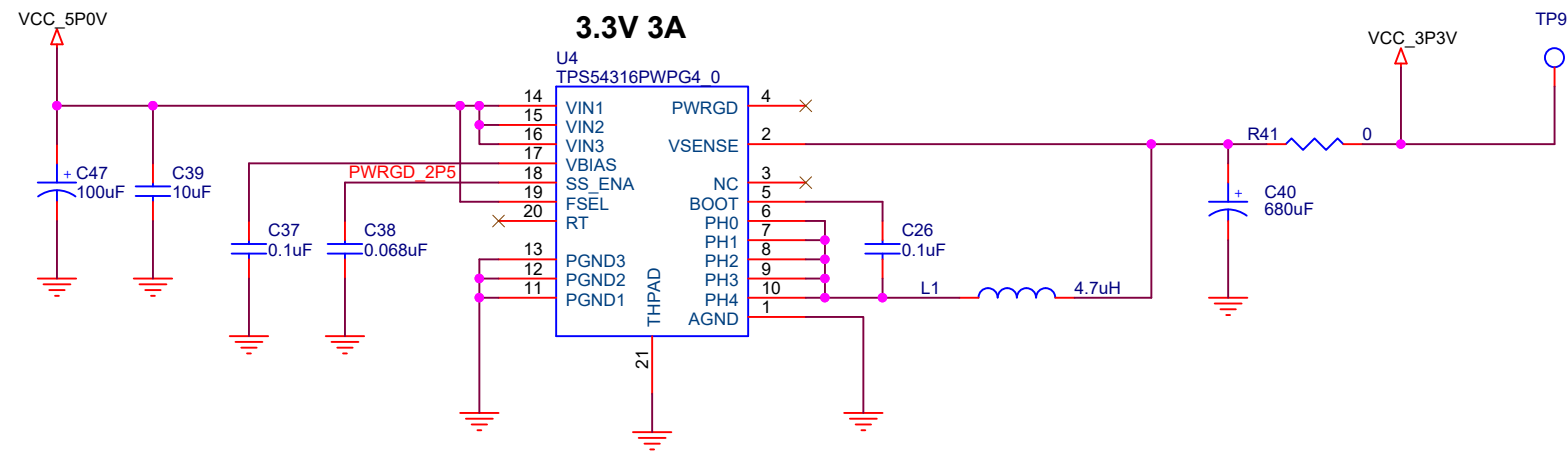










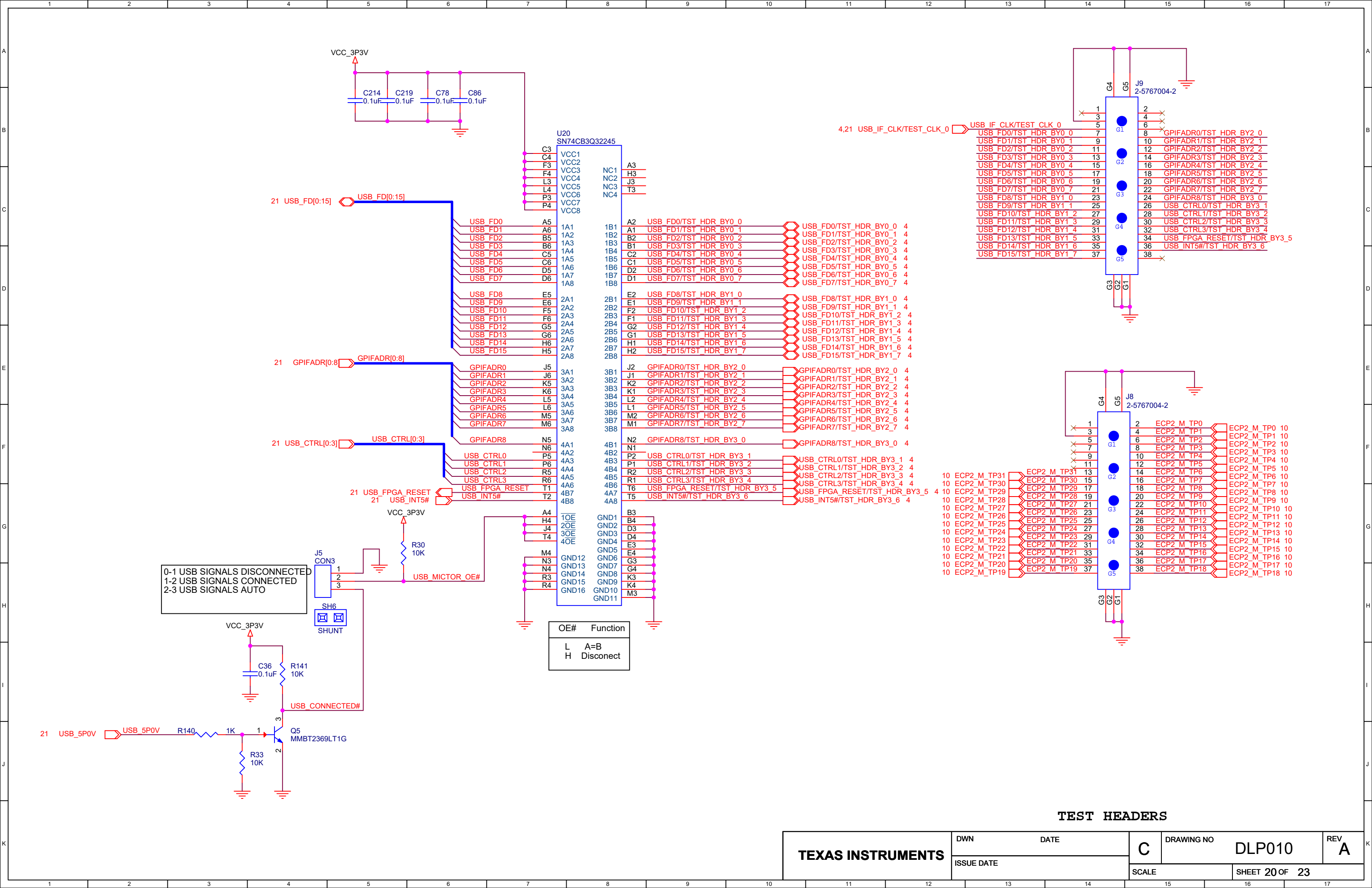


POWER 1

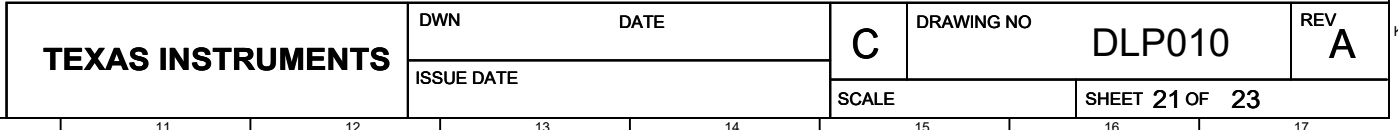
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ISSUE DATE			DLP010	A
SCALE			SHEET 18 OF 23	









Unused Virtex-5 Pins

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Unused DLPC410 Pins

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		NC17	<del>AE18</del>
		NC18	<del>AF19</del>
		NC19	<del>AF20</del>
		NC20	<del>AF17</del>
		NC21	<del>AE17</del>
		NC22	<del>AE16</del>
		NC23	<del>AD16</del>
		NC24	<del>AF15</del>
		NC25	<del>AE15</del>
		NC26	<del>AF14</del>
		NC27	<del>AF13</del>
		NC28	<del>AF12</del>
		NC29	<del>AE13</del>
		NC30	<del>AE12</del>
		NC31	<del>AE11</del>
		NC32	<del>AF10</del>
		NC33	<del>AE10</del>
		NC34	<del>AF9</del>
		NC35	<del>AF8</del>
		NC36	<del>AF7</del>
		NC37	<del>AE7</del>
		NC38	<del>AE8</del>
		NC39	<del>AD9</del>

UNUSED PINS

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