

NOTES:

1. The netname "VCC_1P0V" represents connection to the +1.0V 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 "P" 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 circuit modifications are noted by dashed outlines.

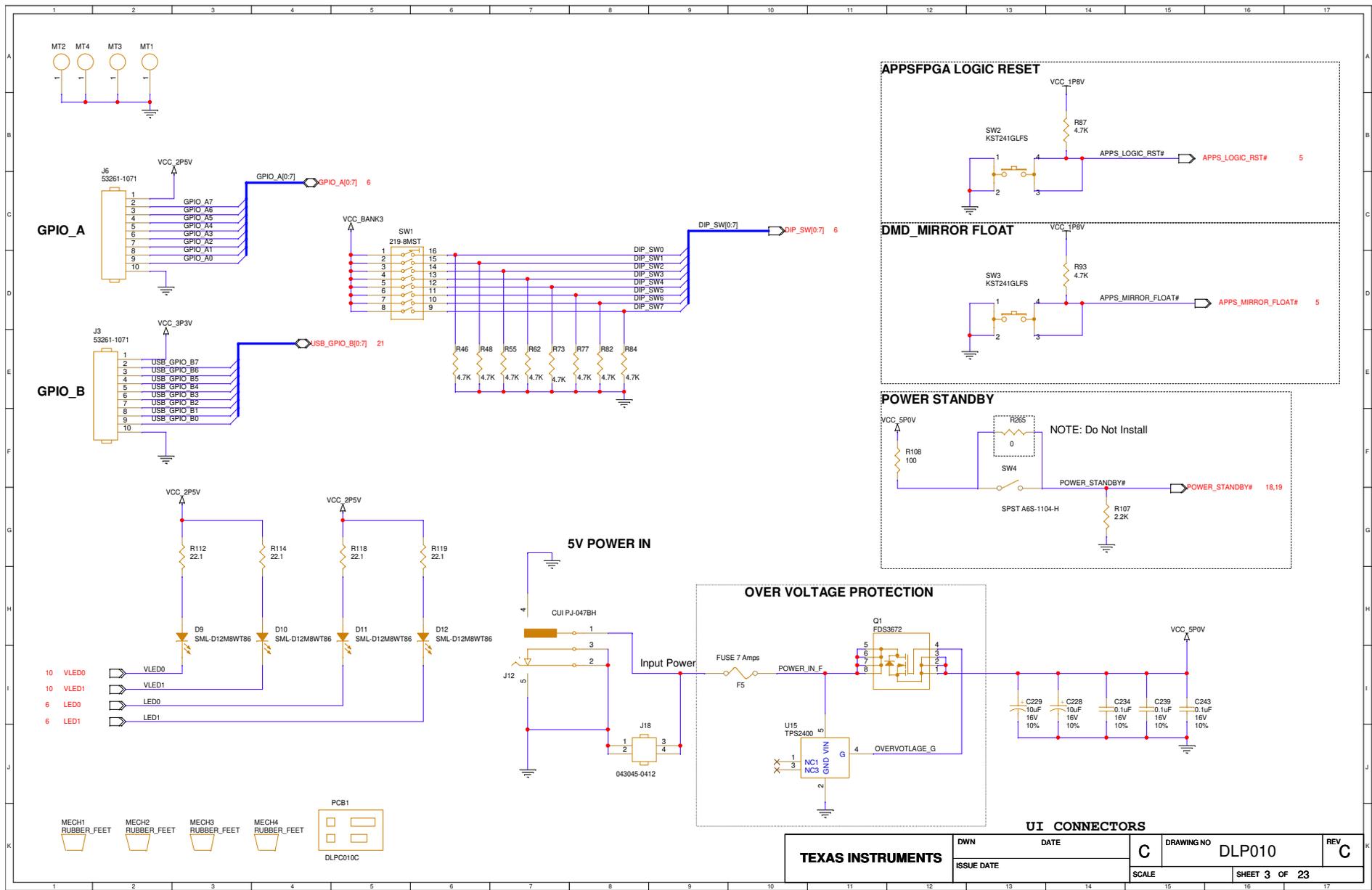
COMPUTER GENERATED DRAWING. DO NOT REVISE MANUALLY			
REVISION			
REV	DESCRIPTION	DATE	APPROVED
A	Initial Release. Sourced from 251029 Rev.5.	05/17/08	
B	See Revisions Section for Details	03/23/23	
C	See Revisions Section for Details	06/01/23	

HIGHEST REFERENCE DESIGNATORS USED										
BT	C267	D15	FB11	H1	J17	L10				
RS04	RM4	RP10	SW4	TP32	UD3	Y5				

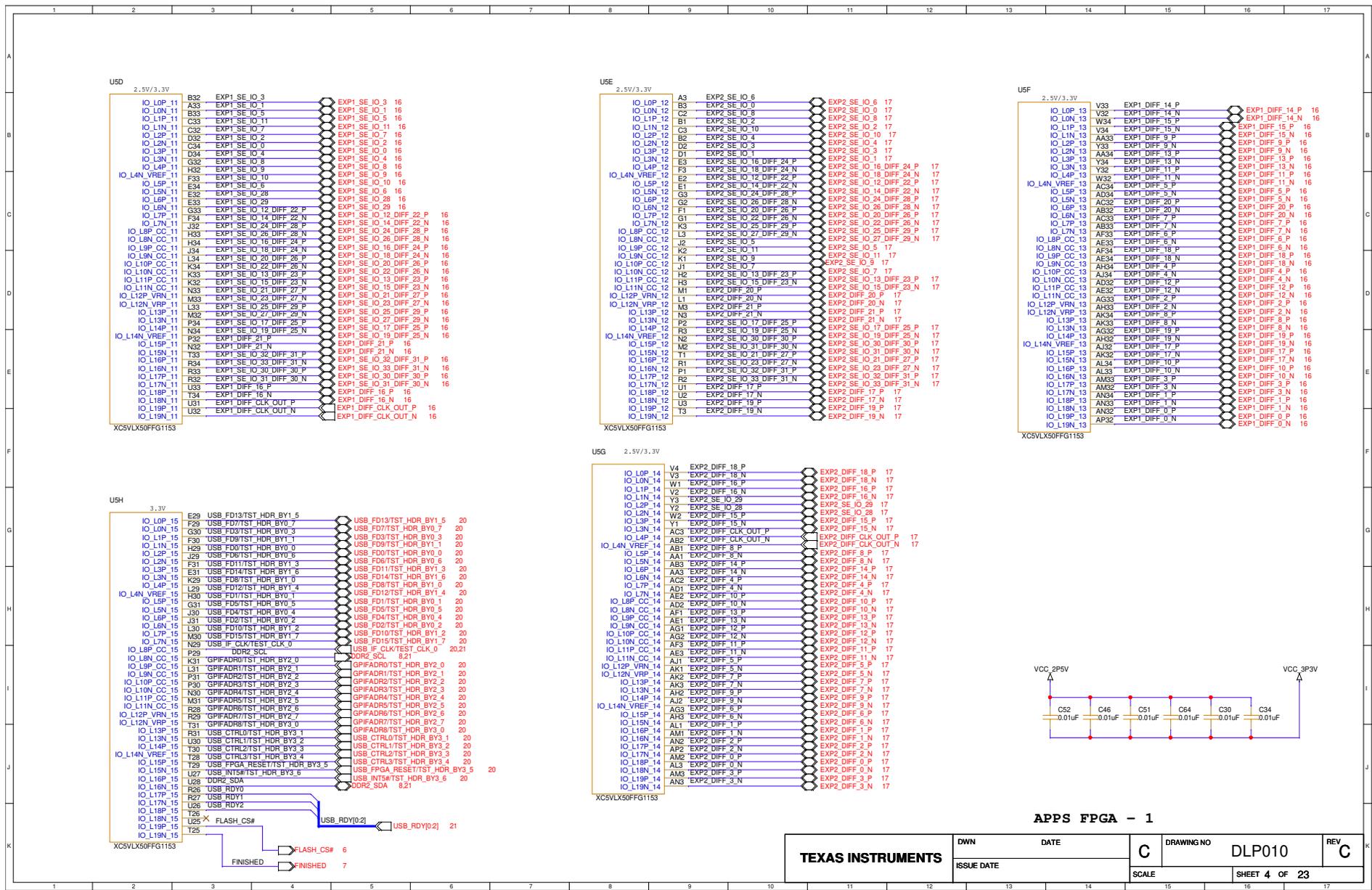
Default Jumper Settings	
J10	1-2
J5	2-3
J3	2-3,5-6,8-9,11-12,14-15

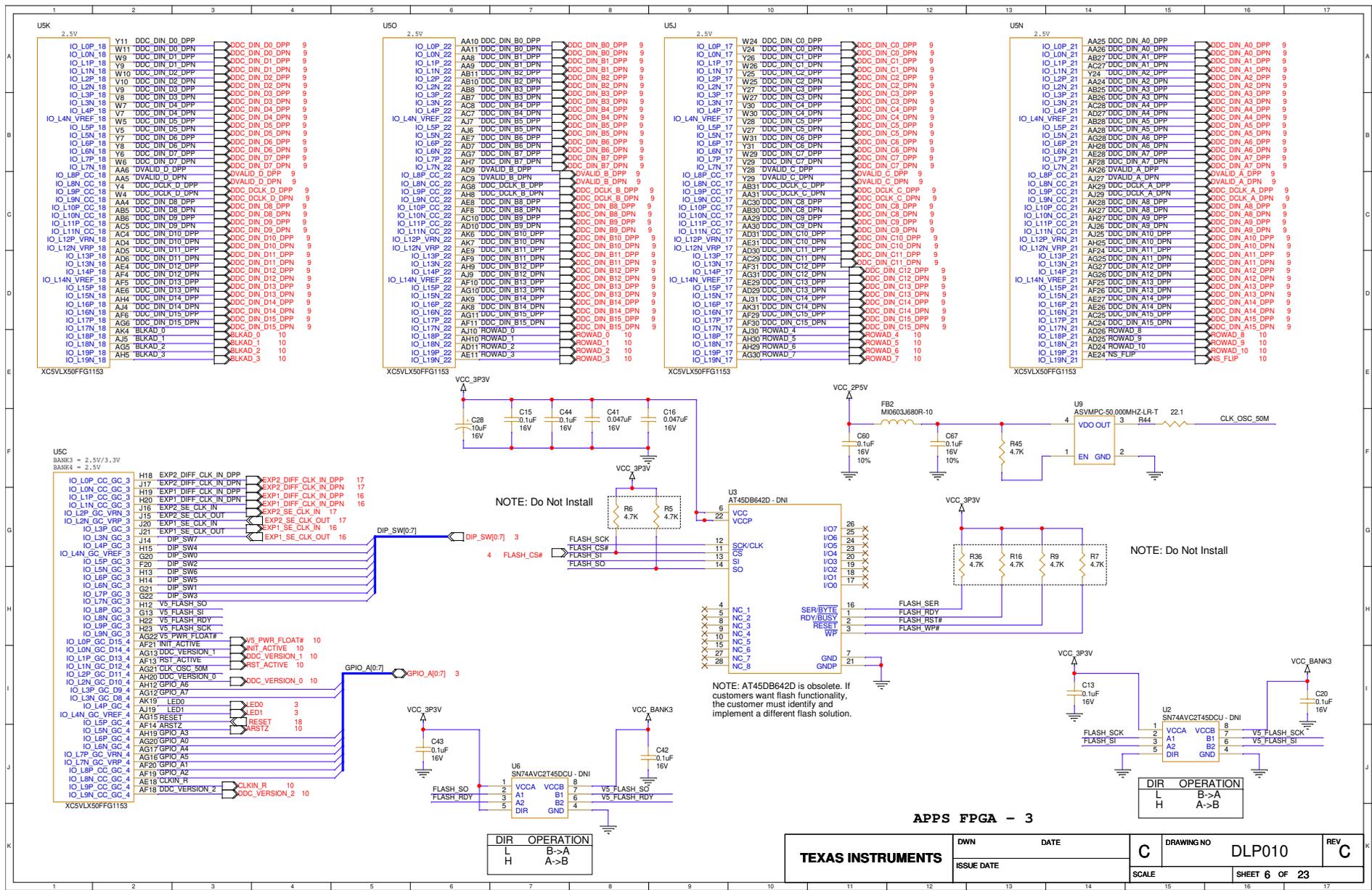
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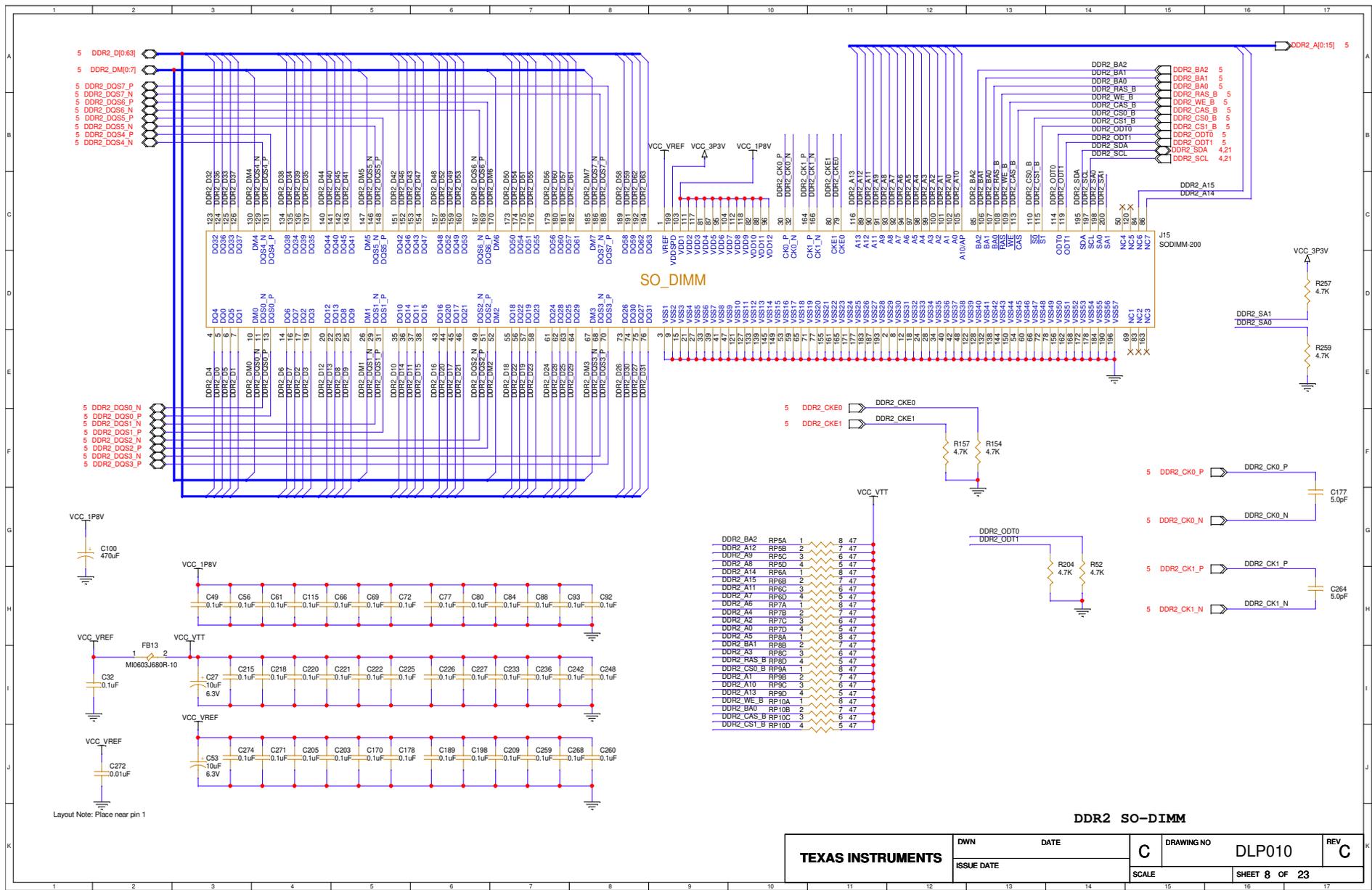
- B: Update to replace SOC 32 bit buffer (U20) and add SPI Config Flash Devices (U24 and U27) to DLP410
- P.5 - Added SPI PROM Circuits: R14 - R19; U20, U27, and C29.
 - Added F50, F51, and F52 connections to USB
 - Added XZP_0_10, XZP_20, XZP_30, XZP_40, XZP_50, XZP_60, XZP_70, XZP_80, XZP_90, XZP_100, XZP_110, XZP_120, XZP_130, XZP_140, XZP_150, XZP_160, XZP_170, XZP_180, XZP_190, XZP_200, XZP_210, XZP_220, XZP_230, XZP_240, XZP_250, XZP_260, XZP_270, XZP_280, XZP_290, XZP_300, XZP_310, XZP_320, XZP_330, XZP_340, XZP_350, XZP_360, XZP_370, XZP_380, XZP_390, XZP_400, XZP_410, XZP_420, XZP_430, XZP_440, XZP_450, XZP_460, XZP_470, XZP_480, XZP_490, XZP_500, XZP_510, XZP_520, XZP_530, XZP_540, XZP_550, XZP_560, XZP_570, XZP_580, XZP_590, XZP_600, XZP_610, XZP_620, XZP_630, XZP_640, XZP_650, XZP_660, XZP_670, XZP_680, XZP_690, XZP_700, XZP_710, XZP_720, XZP_730, XZP_740, XZP_750, XZP_760, XZP_770, XZP_780, XZP_790, XZP_800, XZP_810, XZP_820, XZP_830, XZP_840, XZP_850, XZP_860, XZP_870, XZP_880, XZP_890, XZP_900, XZP_910, XZP_920, XZP_930, XZP_940, XZP_950, XZP_960, XZP_970, XZP_980, XZP_990, XZP_1000, XZP_1010, XZP_1020, XZP_1030, XZP_1040, XZP_1050, XZP_1060, XZP_1070, XZP_1080, XZP_1090, 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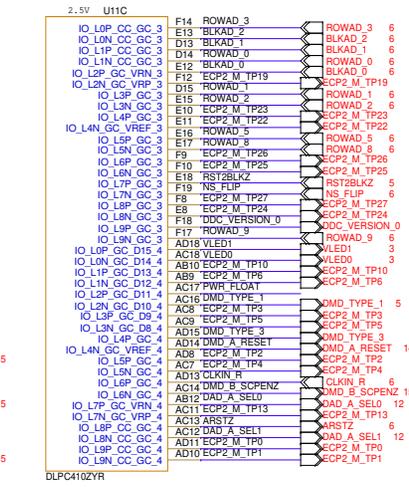
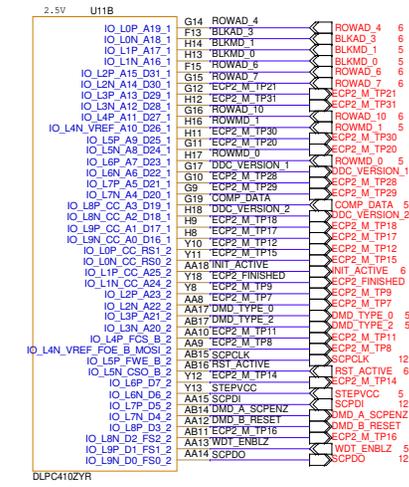
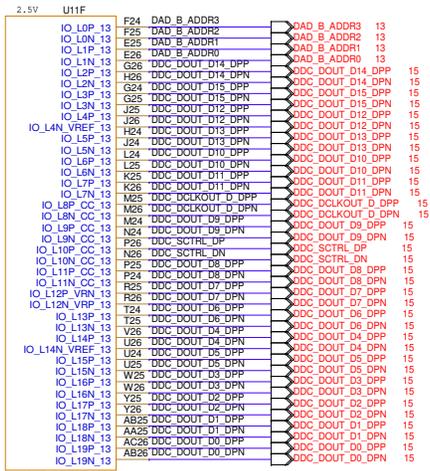
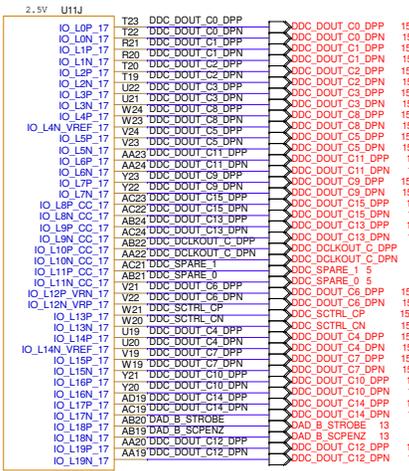
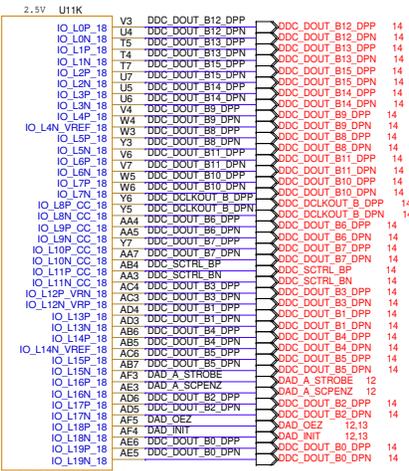
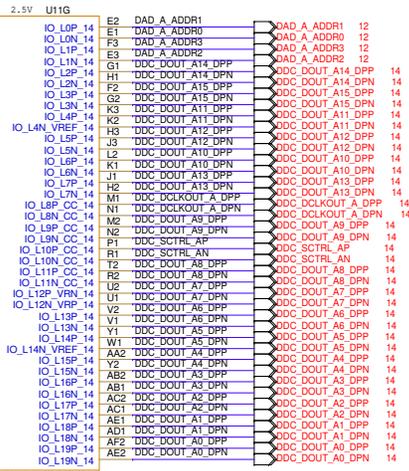
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	ISSUE DATE			SCALE			SHEET 3 OF 23

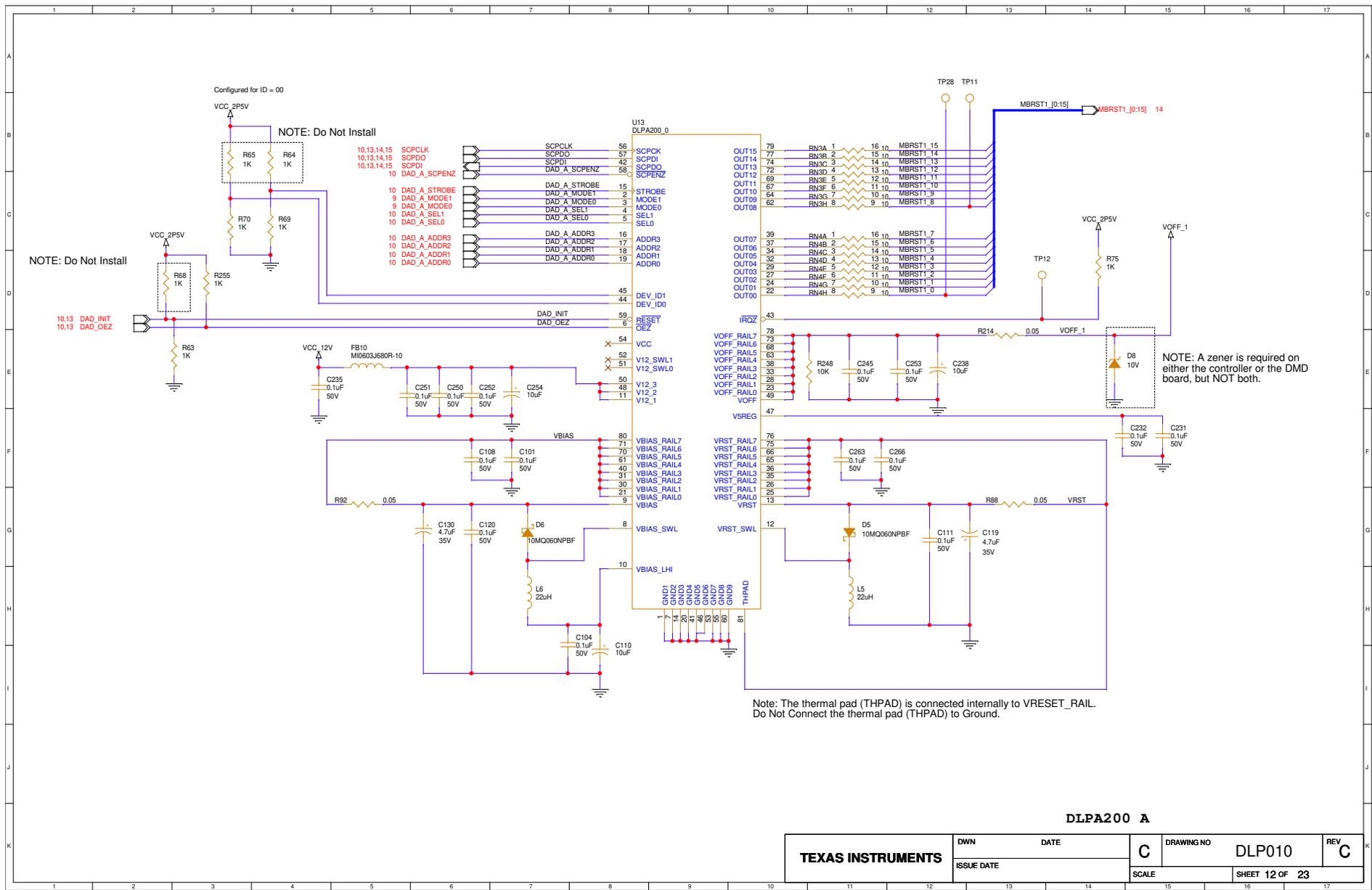






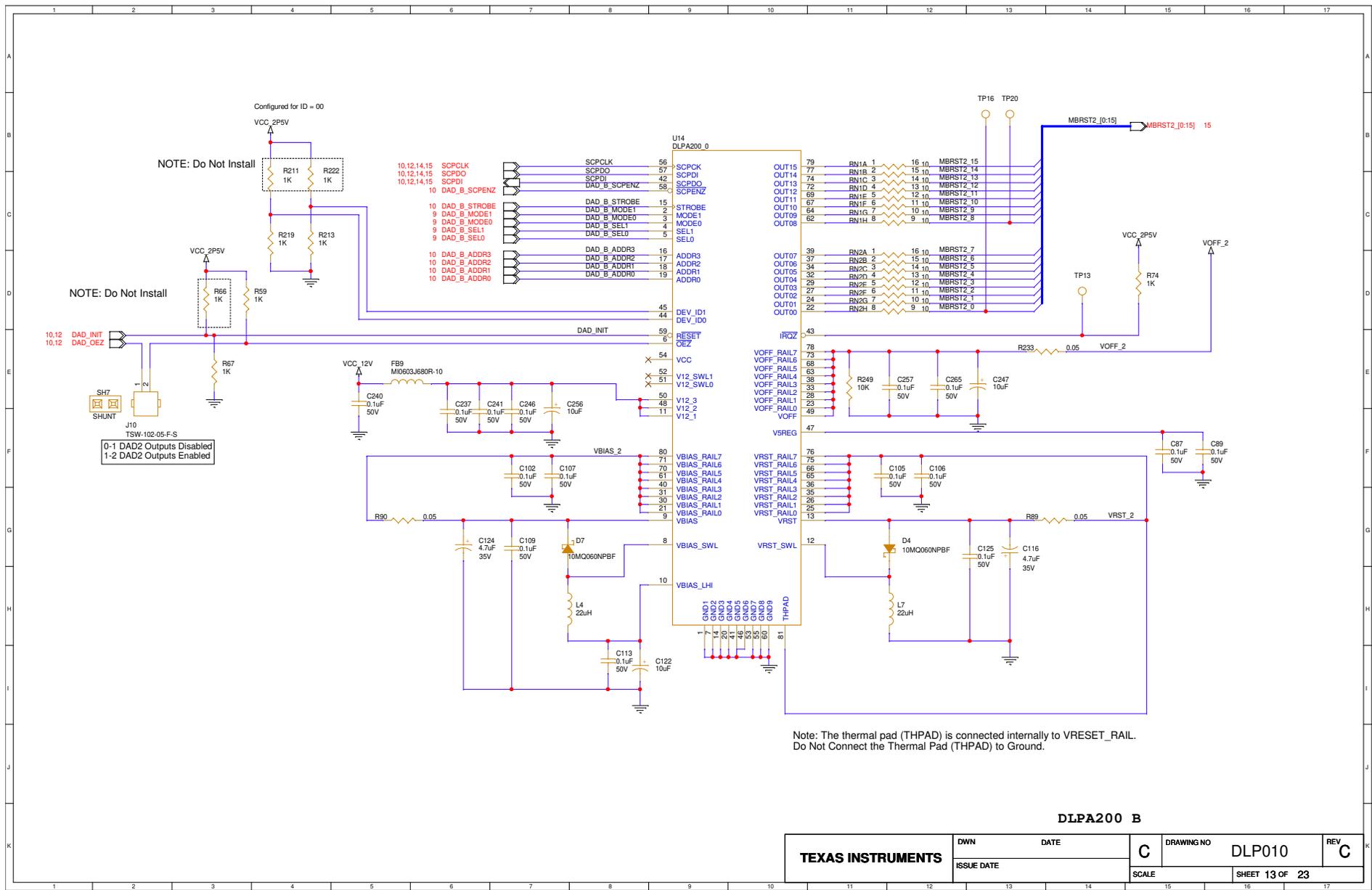
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DLPA200 A

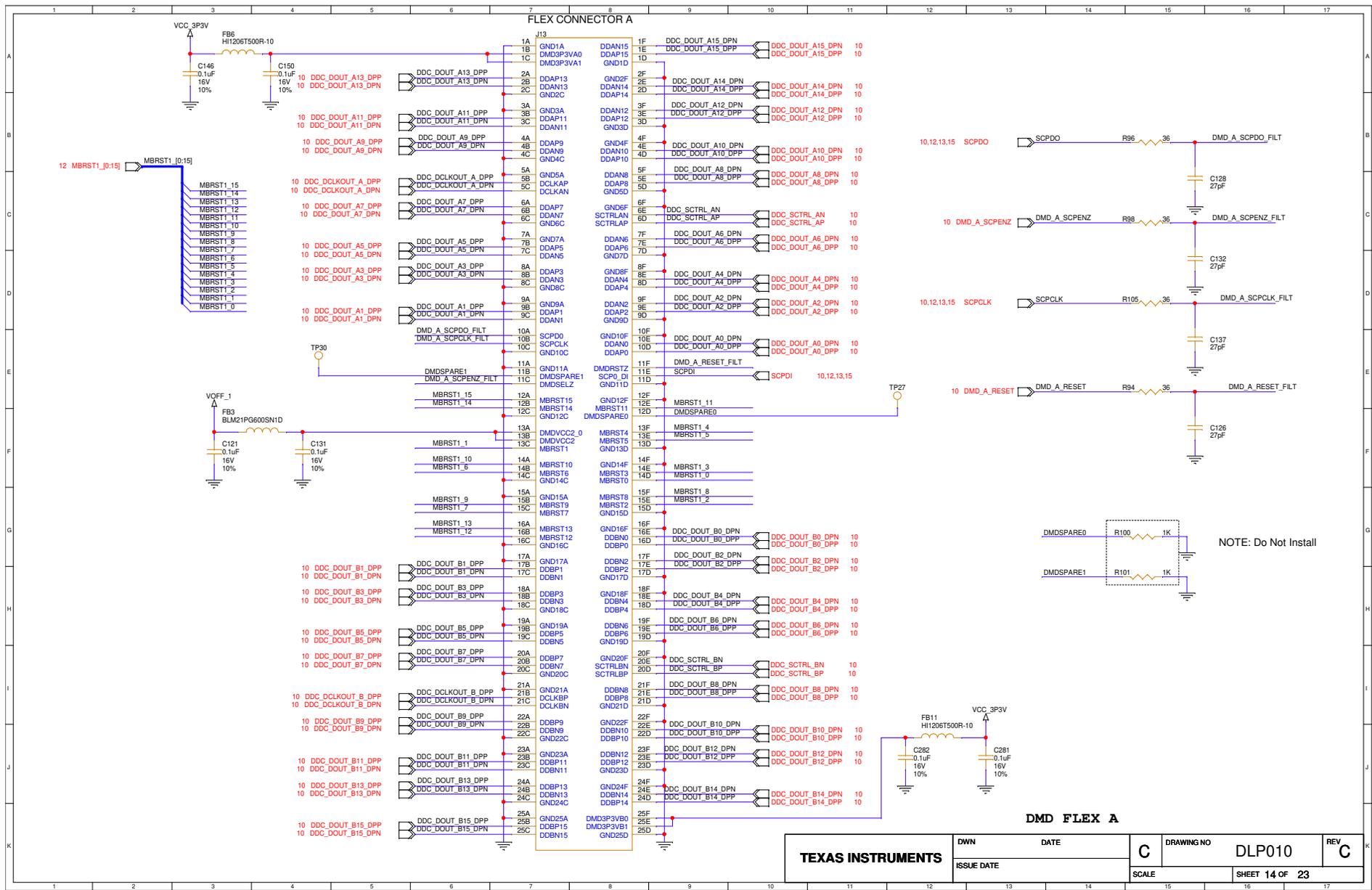
TEXAS INSTRUMENTS	DWN	DATE	C	DRAWING NO	DLP010	REV C
	ISSUE DATE			SCALE		



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

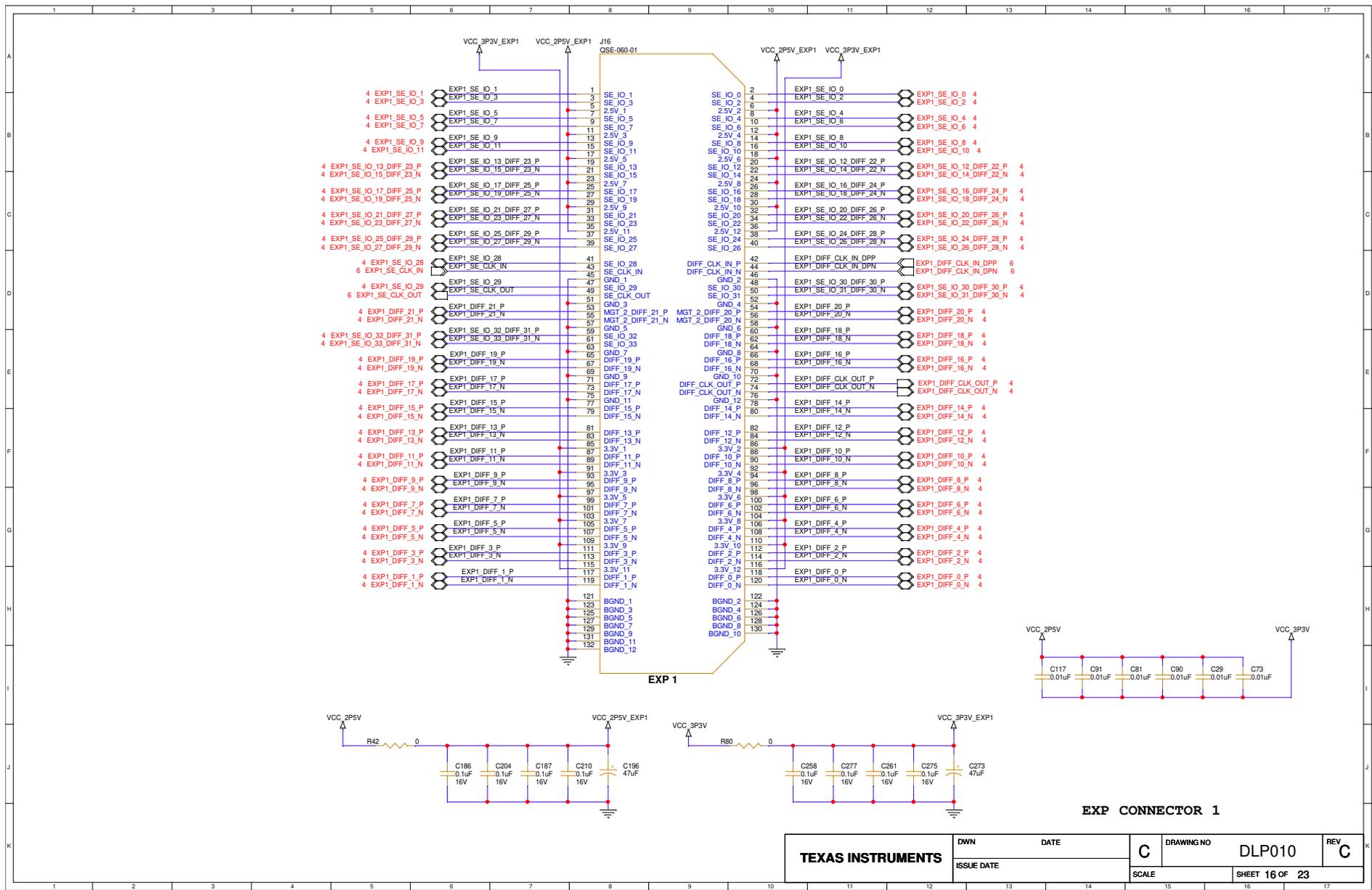
DLPA200 B

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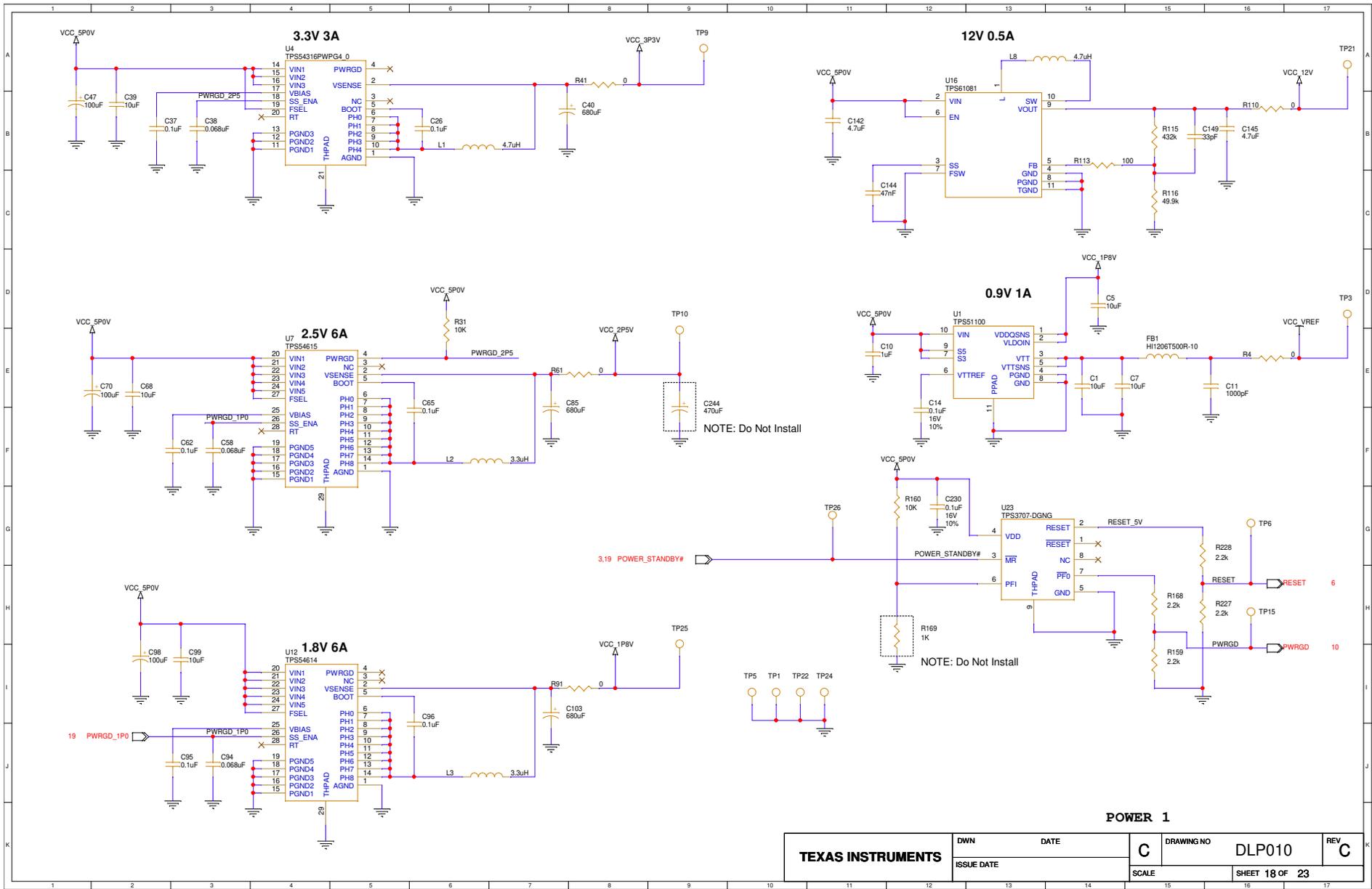
DMD FLEX A

TEXAS INSTRUMENTS	DWN	DATE	C	DRAWING NO	DLP010	REV C
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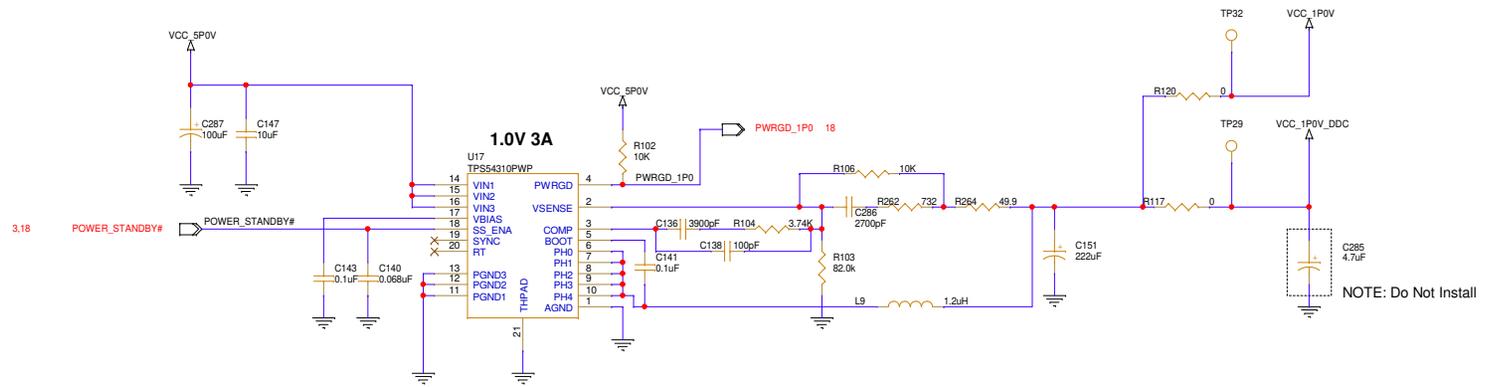


EXP CONNECTOR 1

TEXAS INSTRUMENTS	DATE	C	DRAWING NO	DLP010	REV
	ISSUE DATE		SCALE		C
			SHEET 16 OF 23		

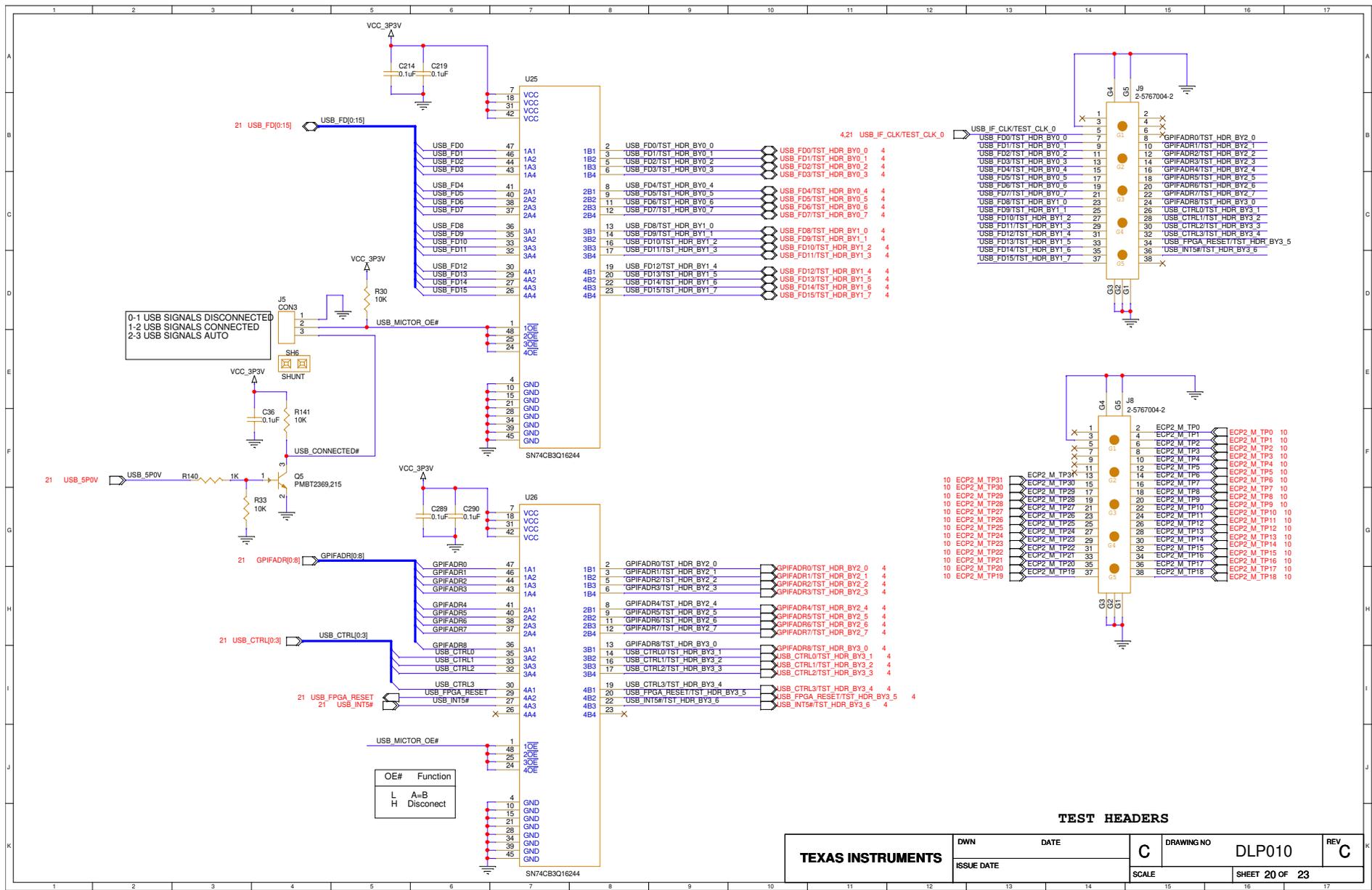


TEXAS INSTRUMENTS	DWN	DATE	C	DRAWING NO	DLP010	C
	ISSUE DATE			SCALE	SHEET 18 OF 23	



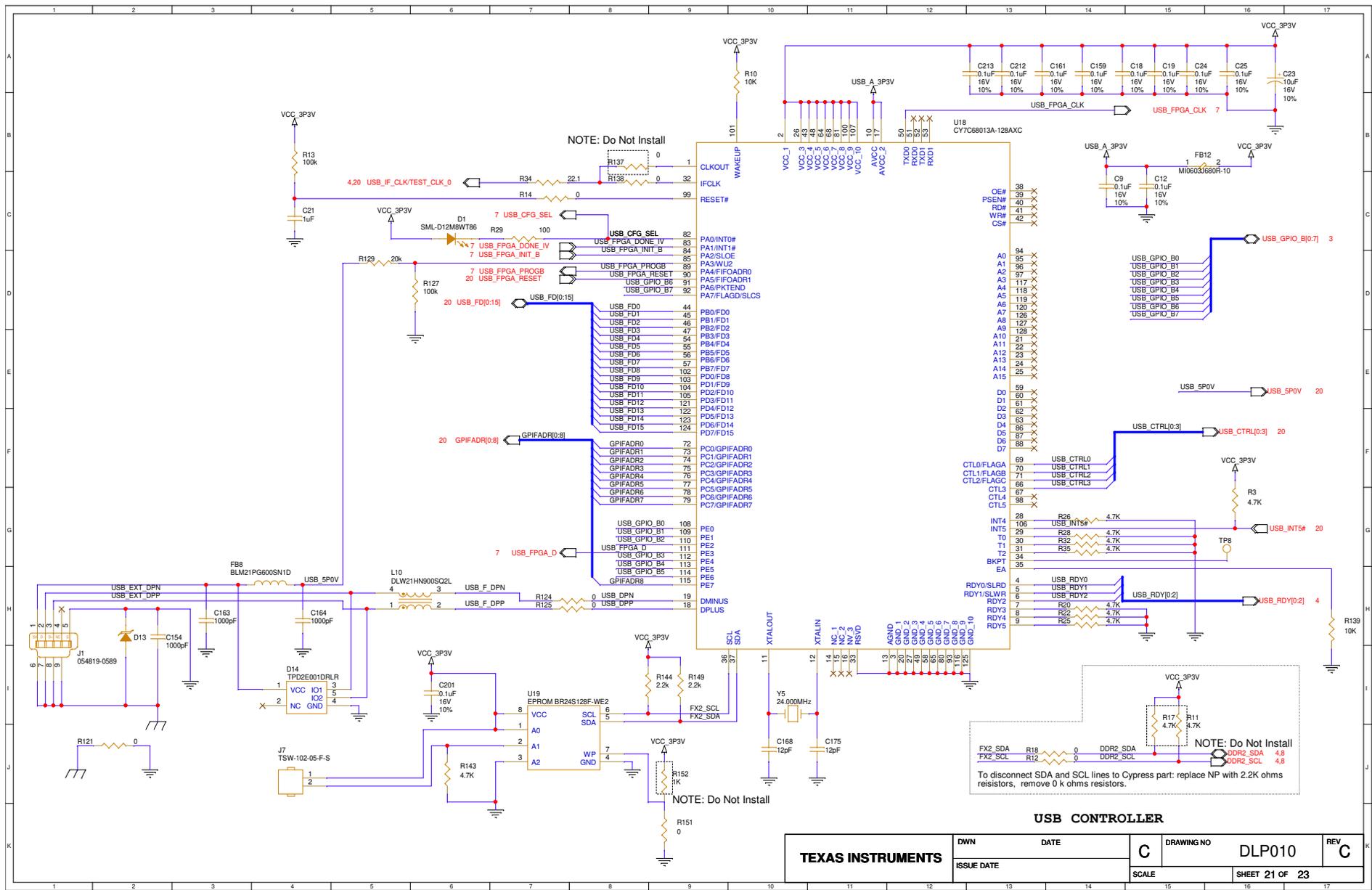
POWER 2

TEXAS INSTRUMENTS	DWN	DATE	C	DRAWING NO	DLP010	REV	C
	ISSUE DATE	SCALE		SHEET 19 OF 23			



0-1 USB SIGNALS DISCONNECTED
 1-2 USB SIGNALS CONNECTED
 2-3 USB SIGNALS AUTO

OE#	Function
L	A=B
H	Disconnect



NOTE: Do Not Install

NOTE: Do Not Install

NOTE: Do Not Install
To disconnect SDA and SCL lines to Cypress part, remove 0 k ohms resistors.

USB CONTROLLER

TEXAS INSTRUMENTS	DWN	DATE	C	DRAWING NO	REV
	ISSUE DATE			DLP010	
SCALE			SHEET 21 OF 23		

Unused Virtex-5 Pins

UST XC5VLX50FFG1153			
X A4	NC1	NC61	C23
X A5	NC2	NC62	C24
X A6	NC3	NC63	C25
X A7	NC4	NC64	C26
X A8	NC5	NC65	C27
X A9	NC6	NC66	C28
X A10	NC7	NC67	C29
X A11	NC8	NC68	C30
X A12	NC9	NC69	D4
X A13	NC10	NC70	D5
X A14	NC11	NC71	D6
X A15	NC12	NC72	D7
X A16	NC13	NC73	D8
X A17	NC14	NC74	D9
X A18	NC15	NC75	D10
X A19	NC16	NC76	D11
X A20	NC17	NC77	D12
X A21	NC18	NC78	D13
X A22	NC19	NC79	D14
X A23	NC20	NC80	D15
X A24	NC21	NC81	D16
X A25	NC22	NC82	D17
X A26	NC23	NC83	D18
X A27	NC24	NC84	D19
X A28	NC25	NC85	D20
X A29	NC26	NC86	D21
X A30	NC27	NC87	D22
X A31	NC28	NC88	D23
X A32	NC29	NC89	D24
X A33	NC30	NC90	D25
X A34	NC31	NC91	D26
X A35	NC32	NC92	D27
X A36	NC33	NC93	D28
X A37	NC34	NC94	D29
X A38	NC35	NC95	D30
X A39	NC36	NC96	D31
X A40	NC37	NC97	D32
X A41	NC38	NC98	D33
X A42	NC39	NC99	D34
X A43	NC40	NC100	D35
X A44	NC41	NC101	E22
X A45	NC42	NC102	E23
X A46	NC43	NC103	E24
X A47	NC44	NC104	F13
X A48	NC45	NC105	F14
X A49	NC46	NC106	F15
X A50	NC47	NC107	F16
X A51	NC48	NC108	F17
X A52	NC49	NC109	F18
X A53	NC50	NC110	F19
X A54	NC51	NC111	F20
X A55	NC52	NC112	F21
X A56	NC53	NC113	F22
X A57	NC54	NC114	F23
X A58	NC55	NC115	G12
X A59	NC56	NC116	G13
X A60	NC57	NC117	G14
X A61	NC58	NC118	G15
X A62	NC59	NC119	G16
X A63	NC60	NC120	H12

USU XC5VLX50FFG1153			
X AG18	NC121	NC181	AM13
X AH13	NC122	NC182	AM14
X AH14	NC123	NC183	AM15
X AH15	NC124	NC184	AM16
X AH16	NC125	NC185	AM17
X AH17	NC126	NC186	AM18
X AH18	NC127	NC187	AM19
X AH19	NC128	NC188	AM20
X AH20	NC129	NC189	AM21
X AH21	NC130	NC190	AM22
X AH22	NC131	NC191	AM23
X AH23	NC132	NC192	AM24
X AH24	NC133	NC193	AM25
X AJ11	NC134	NC194	AM26
X AJ12	NC135	NC195	AM27
X AJ13	NC136	NC196	AM28
X AJ14	NC137	NC197	AM29
X AJ15	NC138	NC198	AM30
X AJ16	NC139	NC199	AM31
X AJ17	NC140	NC200	AM32
X AJ18	NC141	NC201	AM33
X AJ19	NC142	NC202	AM34
X AJ20	NC143	NC203	AM35
X AJ21	NC144	NC204	AM36
X AJ22	NC145	NC205	AM37
X AJ23	NC146	NC206	AM38
X AJ24	NC147	NC207	AM39
X AK11	NC148	NC208	AM40
X AK12	NC149	NC209	AM41
X AK13	NC150	NC210	AM42
X AK14	NC151	NC211	AM43
X AK15	NC152	NC212	AM44
X AK16	NC153	NC213	AM45
X AK17	NC154	NC214	AM46
X AK18	NC155	NC215	AM47
X AK19	NC156	NC216	AM48
X AK20	NC157	NC217	AM49
X AK21	NC158	NC218	AM50
X AK22	NC159	NC219	AM51
X AK23	NC160	NC220	AM52
X AK24	NC161	NC221	AM53
X AL4	NC162	NC222	AM54
X AL5	NC163	NC223	AM55
X AL6	NC164	NC224	AM56
X AL7	NC165	NC225	AM57
X AL8	NC166	NC226	AM58
X AL9	NC167	NC227	AM59
X AL10	NC168	NC228	AM60
X AL11	NC169	NC229	AM61
X AL12	NC170	NC230	AM62
X AL13	NC171	NC231	AM63
X AL14	NC172	NC232	AM64
X AL15	NC173	NC233	AM65
X AL16	NC174	NC234	AM66
X AL17	NC175	NC235	AM67
X AL18	NC176	NC236	AM68
X AL19	NC177	NC237	AM69
X AL20	NC178	NC238	AM70
X AL21	NC179	NC239	AM71
X AL22	NC180	NC240	AM72

Unused DLPC410 Pins

U110			
X AC20	NC40	NC0	AD24
X AB23	NC41	NC1	AD23
X AE24	NC42	NC2	AD26
		NC3	AD28
		NC4	AF24
		NC5	AF25
		NC6	AF26
		NC7	AF27
		NC8	AF28
		NC9	AE23
		NC10	AD22
		NC11	AD21
		NC12	AE20
		NC13	AF22
		NC14	AE22
		NC15	AF18
		NC16	AE18
		NC17	AF19
		NC18	AF20
		NC19	AF17
		NC20	AE17
		NC21	AE16
		NC22	AD16
		NC23	AF15
		NC24	AE15
		NC25	AF14
		NC26	AF13
		NC27	AF12
		NC28	AE13
		NC29	AE12
		NC30	AE11
		NC31	AF10
		NC32	AE10
		NC33	AF9
		NC34	AF8
		NC35	AF7
		NC36	AE7
		NC37	AE6
		NC38	AD9
		NC39	

DLPC4102YR

UNUSED PINS

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