2	Γ			1		
REV		DESCRIPTION		Dž	ATE	APPROVED
A	INITIAL RELEAS	E		03/31/	2017	JAC
В	BETA			06/06/	2017	JAC
B1	BETA			06/13/	2017	JAC
С	PRODUCTION			09/08/	2017	JAC
		== SH04 -	NOTES ECN HISTORY J6PLUS_NONVOI J6PLUS_VOL_MI J6PLUS_CAM_D: J6PLUS_CONVI: J6PLUS_CAM_D: J6PLUS_CONVI: J6PLUS_DIG_PV J6PLUS_DIG_PV J6PLUS_DIG_PV J6PLUS_DIG_PV J6PLUS_DIG_PV J6PLUS_GND BLANK 1 DDR BANK1 DDR BANK2 MUX-SERIAL MUX-SERIAL MUX-GPMC MUX-VIDEO/EMP IOEXPANDER/SI QSPI/NAND/BOC EMMC/NORFLASI FPD-LINK/LCD HDMI-FPDLINK/LCD HDMI-FPDLINK/LCD HDMI-FPDLINK/LCD HDMI-FPDLINK/LCD HDMI-FPDLINK/LCD STAGE1 BUCK STAGE2 TPS65: STAGE3 TPS65:	EM SPLAY_VER SPLAY_VER SPLAY_VER SPLAY_VER SPLAY_VER SPLAY_VER SPLAY SPL	TIDEO TIMP 3 LE RPOR BOARD	aTED
 2		Date: Monday, Nov	rember 13, 2017	Sheet 1	of	40
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C.M.D

J.A.C.

C C NEXT ASSY

		3						
	D 1/E 1:	Б.:	B 1 E 10		ICDI A	ICDI D	71	01
	Board/Function		Device Function	VAYUH	J6Plus-A	J6Plus-B	7b	8b
1	CPU	U8	DS90UB921-Q1	NA	i2c1	i2c3	0x0C	0x18
2	CPU	U115	DS90UB949	NA	i2c1	i2c3	0x1A	0x26
	CPU	U38		i2c1	i2c1	i2c1	0x12	0x24
			O917A14					
4	CPU	U50	AIC3106	i2c1	i2c1	i2c1	0x19	0x32
-5	CPU	U30	PCF8575	i2c1	i2c1	i2c1	0x20	0x40
	CPU	U21	PCF8575	i2c1	i2c1	i2c1	0x21	0x42
7	CPU	U110	PCF8575	i2c2	i2c1	i2c1	0x26	0x4C
8	CPU	U53	TMP102	i2c1	i2c1	i2c1	0x48	0×90
	CPU	U139	24WC256	i2c1	i2c1	i2c1	0x50	0xa0
10	CPU	U38	O917A14 - Power	i2c1	i2c1	i2c1	0x58	0xB0
11	CPU	U38	O917A14 - Interfaces	i2c1	i2c1	i2c1	0x59	0xB2
	CPU	U38	O917A14 - Trimming	i2c1	i2c1	i2c1	0x5A	0xB4
13	CPU	U38	O917A14 - OTP	i2c1	i2c1	i2c1	0x5B	0xB6
14	CPU	U40	LP87565	NA	i2c1	i2c1	0x60	0xC0
	0. 0	0.10	2. 0.000		.201	1201	07100	- CALOU
15	CPU	U110	CDCE813-Q1	NA	i2c1	i2c1	0x65	0xCA
16	CPU	P5	MLB	i2c1	i2c1	i2c1		
	CPU	P9	COMQ	i2c1	i2c1	i2c1		
18	CPU	P7	HDMI	i2c2	i2c2	i2c2	0x50	0xa0
19	CPU	J8	IMAGER	i2c2	i2c3	i2c5	0x10	0x20
	CPU	J8	IMAGER	i2c2	i2c3	i2c5	0x10	0x6E
	UFU	JU	IIVIAULA	IZUZ	IZUJ	IZUU	UKJI	UXOE
21								
22	1080P LCD		EEPROM	i2c1	i2c1	i2c3	0x57	0xAE
	1080P LCD		PCF8575	i2c1	i2c1	i2c3	0x27	0x4E
24	1080P LCD		TC358778	i2c1	i2c1	i2c3	0x0E	0x1C
25	1080P LCD		TOUCH	i2c1	i2c1	i2c3	0x38	0x70
	1080P LCD			i2c1	i2c1	i2c3		0x80
	1000F LCD		TLC59108IPW	IZU I	IZU I	1263	0x40	UXOU
27								
28	HDMI LCD		TFP410(EP)	NA		i2c3	0x38	0×70
	HDMI LCD		PCF8575	NA		i2c3	0x27	0x4E
30	HDMI LCD		EEPROM	NA		i2c3	0x57	0xAE
31	HDMI LCD		EEDID	NA		i2c3	0x50	0xa0
32							-	
		A DTILLA			:0.0	:0.5	0.40	0.00
33	VISION	APTINA		i2c2	i2c3	i2c5	0x10	0x20
34	VISION	FBD-LINK	GPIO Expander 3	i2c2	i2c3	i2c5	0x25	0x4A
	VISION	FBD-LINK	GPIO Expander 2	i2c2	i2c3	i2c5	0x21	0x42
36	VISION	FBD-LINK	GPIO Expander 1	i2c2	i2c3	i2c5	0x27	0x4E
37	VISION	FBD-LINK	INFO EEPROM	i2c2	i2c3	i2c5	0x50	0xA0
	VISION	FBD-LINK	De-Serializer 1	i2c2	i2c3	i2c5	0x60	0xC0
39	VISION	FBD-LINK	De-Serializer 5	i2c2	i2c3	i2c5	0x61	0xC2
40	VISION	FBD-LINK	De-Serializer 2	i2c2	i2c3	i2c5	0x64	0xC8
	VISION	FBD-LINK	De-Serializer 3	i2c2	i2c3	i2c5	0x68	0xD0
42	VISION	FBD-LINK	De-Serializer 6	i2c2	i2c3	i2c5	0x69	0xD2
43	VISION	FBD-LINK	De-Serializer 4	i2c2	i2c3	i2c5	0x6C	0xD8
	VISION				i2c3	i2c5		
		LI IMAGER		i2c2			0x10	0x20
45	VISION	OV IMAGER		i2c2	i2c3	i2c5	0x30	0x60
46	HDMI	ADV7611	BASE	i2c2	i2c3	i2c5	0x4C	0×98
			CEC	i2c2	i2c3	i2c5		0x80
	HDMI	ADV7611	T		i		0x40	
48	HDMI	ADV7611	INFOFRAME	i2c2	i2c3	i2c5	0x3E	0x7C
49	HDMI	ADV7611	DPLL	i2c2	i2c3	i2c5	0x55	0xAA
	HDMI	ADV7611	KSV	i2c2	i2c3	i2c5	0X56	0xAB
51	HDMI	ADV7611	EDID	i2c2	i2c3	i2c5	0x57	0xAC
52	HDMI	ADV7611	HDMI	i2c2	i2c3	i2c5	0x34	0x68
	HDMI	ADV7611	CP	i2c2	i2c3	i2c5	0x22	0x44
		ADVIOLI	CF	1202	1203	1200	UXZZ	0X44
54								
55	JAMR3	u21	24c256	i2c1	i2c1	i2c1	0x51	0xA2
	JAMR3	U26	AIC3106	i2c2	i2c3	i2c5	0x18	0x30
	JAMR3	U25	AIC3106	i2c2	i2c3	i2c5	0x19	0x32
58	JAMR3	U24	AIC3106	i2c2	i2c3	i2c5	0x1A	0x34
	JAMR3	U5	DS90UH926Q	i2c2	i2c3	i2c5	0x2C	0X58
	JAMR3	U10	TVP5158	i2c2	i2c3	i2c5	0x58	0xB0
61	JAMR3	J15		i2c3	i2c3	i2c3	???	
62	JAMR3	P5	APPLE AUTH	i2c3	i2c3	i2c3	0x10	0x20
				i2c3	i2c3	i2c3	???	
				IIZUJ		IZCJ		-
63	JAMR3	P2					???	
63	JAMR3 JAMR3	J17		i2c3	i2c3	i2c3	111	
63 64	JAMR3	J17	PCF8578	i2c3	i2c3			0x44
63 64 65	JAMR3 JAMR3	J17 U14	PCF8578	i2c3 i2c4	i2c3 i2c4	i2c4	0x22	0x44
63 64 65 66	JAMR3 JAMR3 JAMR3	J17 U14 U9	AFE8310	i2c3 i2c4 i2c4	i2c3 i2c4 i2c4	i2c4 i2c4	0x22 0x48	0x90
63 64 65 66	JAMR3 JAMR3	J17 U14 U9 U8		i2c3 i2c4	i2c3 i2c4	i2c4	0x22	0x90 0x92
63 64 65 66 67	JAMR3 JAMR3 JAMR3	J17 U14 U9	AFE8310	i2c3 i2c4 i2c4	i2c3 i2c4 i2c4	i2c4 i2c4	0x22 0x48	0x90
63 64 65 66 67 68	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310	i2c3 i2c4 i2c4 i2c4 i2c4	i2c3 i2c4 i2c4 i2c4 i2c4	i2c4 i2c4 i2c4 i2c4	0x22 0x48 0x49 0x4A	0x90 0x92 0x94
63 64 65 66 67 68 69	JAMR3 JAMR3 JAMR3 JAMR3	J17 U14 U9 U8	AFE8310 AFE8310	i2c3 i2c4 i2c4 i2c4	i2c3 i2c4 i2c4 i2c4	i2c4 i2c4 i2c4	0x22 0x48 0x49	0x90 0x92
63 64 65 66 67 68 69 70	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310	i2c3 i2c4 i2c4 i2c4 i2c4	i2c3 i2c4 i2c4 i2c4 i2c4	i2c4 i2c4 i2c4 i2c4	0x22 0x48 0x49 0x4A	0x90 0x92 0x94
63 64 65 66 67 68 69	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310	i2c3 i2c4 i2c4 i2c4 i2c4	i2c3 i2c4 i2c4 i2c4 i2c4	i2c4 i2c4 i2c4 i2c4	0x22 0x48 0x49 0x4A	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4	i2c4 i2c4 i2c4 i2c4 i2c4	0x22 0x48 0x49 0x4A 0x4B	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4	i2c4 i2c4 i2c4 i2c4 i2c4 i2c4	0x22 0x48 0x49 0x4A 0x4B	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4	i2c4 i2c4 i2c4 i2c4 i2c4	0x22 0x48 0x49 0x4A 0x4B	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72 73	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72 73	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD AUO FPD AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72 73 74	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD AUO FPD AUO FPD AUO FPD AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72 73 74	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD AUO FPD AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72 73 74 75 76	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL Display EEPROM	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 iAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd Alias-tbd	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL Display EEPROM Display Touch Controller	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA NA NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd Alias-tbd Alias-tbd	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL Display EEPROM	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 iAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd Alias-tbd	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL Display EEPROM Display Touch Controller	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA NA NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd Alias-tbd Alias-tbd	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL Display EEPROM Display Touch Controller	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA NA NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd Alias-tbd Alias-tbd	0x90 0x92 0x94
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL Display EEPROM Display Touch Controller RF430CL330H	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA NA NA NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd Alias-tbd Alias-tbd Alias-tbd Alias-tbd	0x90 0x92 0x94 0x96
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL Display EEPROM Display Touch Controller RF430CL330H DS90UB960TRGCRQ1-U1	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA NA NA NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd Alias-tbd Alias-tbd Alias-tbd Alias-tbd	0x90 0x92 0x94 0x96
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL Display EEPROM Display Touch Controller RF430CL330H	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA NA NA NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd Alias-tbd Alias-tbd Alias-tbd Alias-tbd	0x90 0x92 0x94 0x96
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL Display EEPROM Display Touch Controller RF430CL330H DS90UB960TRGCRQ1-U1 DS90UB960TRGCRQ1-U2	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA NA NA NA NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd Alias-tbd Alias-tbd Alias-tbd Alias-tbd	0x90 0x92 0x94 0x96
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL Display EEPROM Display Touch Controller RF430CL330H DS90UB960TRGCRQ1-U1 DS90UB960TRGCRQ1-U2 Alias IDs Camera/Radar???	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA NA NA NA NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd Alias-tbd Alias-tbd Alias-tbd	0x90 0x92 0x94 0x96 0x60 0x7A
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83	JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 JAMR3 AUO FPD	J17 U14 U9 U8 U7	AFE8310 AFE8310 AFE8310 AFE8310 Display DS90UB924-Q1 Display PCF8575 Display TLC59108IPW Display TLC59108IPW ALL CALL Display EEPROM Display Touch Controller RF430CL330H DS90UB960TRGCRQ1-U1 DS90UB960TRGCRQ1-U2	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c4 NA NA NA NA NA NA NA	i2c3 i2c4 i2c4 i2c4 i2c4 i2c4 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1 i2c1	i2c4 i2c4 i2c4 i2c4 i2c4 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3 i2c3	0x22 0x48 0x49 0x4A 0x4B 0x2C Alias-tbd Alias-tbd Alias-tbd Alias-tbd Alias-tbd Alias-tbd	0x90 0x92 0x94 0x96

3				2				
86								Sense R
87 INA226-PM1	U86	VDD MPU AVS	NA	i2c2	i2c2	0x40	0x80	R249
88 INA226-PM1	U85	VDD GPU AVS	NA	i2c2	i2c2	0x41	0x82	R191
89 INA226-PM1	U84	VDD_DSPEVE_AVS	NA	i2c2	i2c2	0x42	0x84	R208
90 INA226-PM1	U83	VDD_CORE_AVS	NA	i2c2	i2c2	0x43	0x86	R189
91 INA226-PM1	U82	VDD_IVA_AVS	NA	i2c2	i2c2	0x44	0x88	R179
92 INA226-PM1	U81	VDDSHV 3V3	NA	i2c2	i2c2	0x45	0x8A	R514
93 INA226-PM1	U80	VDDR_MEM_1V35	NA	i2c2	i2c2	0x46	0x8C	R703
94 INA226-PM1	U79	VDDR SOC 1V35	NA	i2c2	i2c2	0x47	0x8E	R642
95 INA226-PM1	U71	VIO_1V8	NA	i2c2	i2c2	0x48	0×90	R220
96 INA226-PM1	U70	VDDS_1V8	NA	i2c2	i2c2	0x49	0x92	R219
97 INA226-PM1	U69	VDD SDIO DV	NA	i2c2	i2c2	0x4A	0x94	R196
98 INA226-PM1	U68	VDDA_USB_3V3	NA	i2c2	i2c2	0x4B	0x96	R192
99 INA226-PM1	U67	VDDA_PLL_1V8	NA	i2c2	i2c2	0x4C	0x98	R204
100 INA226-PM1	U65	VDDA_PHY2_1V8	NA	i2c2	i2c2	0x4D	0x9A	R182
101 INA226-PM1	U66	VDDA_PHY1_1V8	NA	i2c2	i2c2	0x4E	0x9C	R183
102								
103 INA226-PM2	U90	VSYS_12V0	NA	i2c2	i2c2	0x40	0x80	R32
104 INA226-PM2	U89	VSYS_5V0	NA	i2c2	i2c2	0x41	0x82	R162
105 INA226-PM2	U88	VSYS_3V3	NA	i2c2	i2c2	0x42	0x84	R160
106 INA226-PM2	U87	VIO_3V3	NA	i2c2	i2c2	0x43	0x86	R513
107 INA226-PM2	U78	VPIN_B01_3V3	NA	i2c2	i2c2	0x44	0x88	R225
108 INA226-PM2	U77	VPIN_B23_3V3	NA	i2c2	i2c2	0x45	0x8A	R205
109 INA226-PM2	U76	VPIN_S12_3V3	NA	i2c2	i2c2	0x46	0x8C	R549
110 INA226-PM2	U75	VPIN_S3_3V3	NA	i2c2	i2c2	0x47	0x8E	R548
111 INA226-PM2	U74	VPIN_S4_3V3	NA	i2c2	i2c2	0x48	0x90	R533
112 INA226-PM2	U73	VPIN_S5_3V3	NA	i2c2	i2c2	0x49	0x92	R575
113 INA226-PM2	U72	VPIN_LDO_3V3	NA	i2c2	i2c2	0x4A	0x94	R537
114 INA226-PM2	U91	VPIN LDO 5V0	NA	i2c2	i2c2	0x4B	0x96	R194

SCHEMATIC SIGNAL	GPIO	EXTERNAL	INTERNAL	T-POINT	NOTE
H_NMIN		PU-10K	PD		NU
H_WKUP_0	GPIO1_0	PU-10K	OFF	TP74	LP87xx INT
H_WKUP_1	GPI01_1	PU-10K	OFF	TP69	PMIC INT
H_GP1[2]_TOUCH_EVT		PD-10K	OFF	TP73	TOUCH
H_GP1[3]/H_PCF8575_INT		PU-1K	OFF	TP72	EXP
H_ENET_INTSn	GPIO6_16		PU		ENET
H_GP6[17]			PD		EXP
H_GP6[20]			PD		EXP
H_GP6[28]			PD		MLB
H_GP2[27]			PU		EXP
H_GP5[17]			PD		EXP
H_POWERHOLD_CLK	GPIO3_30	PD-1K	PU	TP56	
H_MMC_PWR_ON	GPIO4_21	PU-1K	PD	TP57	
H_GP5[9]			PD		MLB
H_GP5[8]			PD		COM8
H_GP5[7]			PD		COM8
H_GP5[6]			PD		COM8
H_GP5[5]			PD		COM8
H_GP5[4]			PD		COM8
H_GP5[1]			PD		EXP
H_GP5[0]			PD		EXP/AUTOMATION
H GP2[22]			PU	TP55	NU
CON_LCD_PWR_DN	GPI03_1	PU-1K	PD		
HDMI_CT_HPD	GPI07_30	PU-1K	PD		
HDMI LS OE	GPI07 31	PU-1K	PD		

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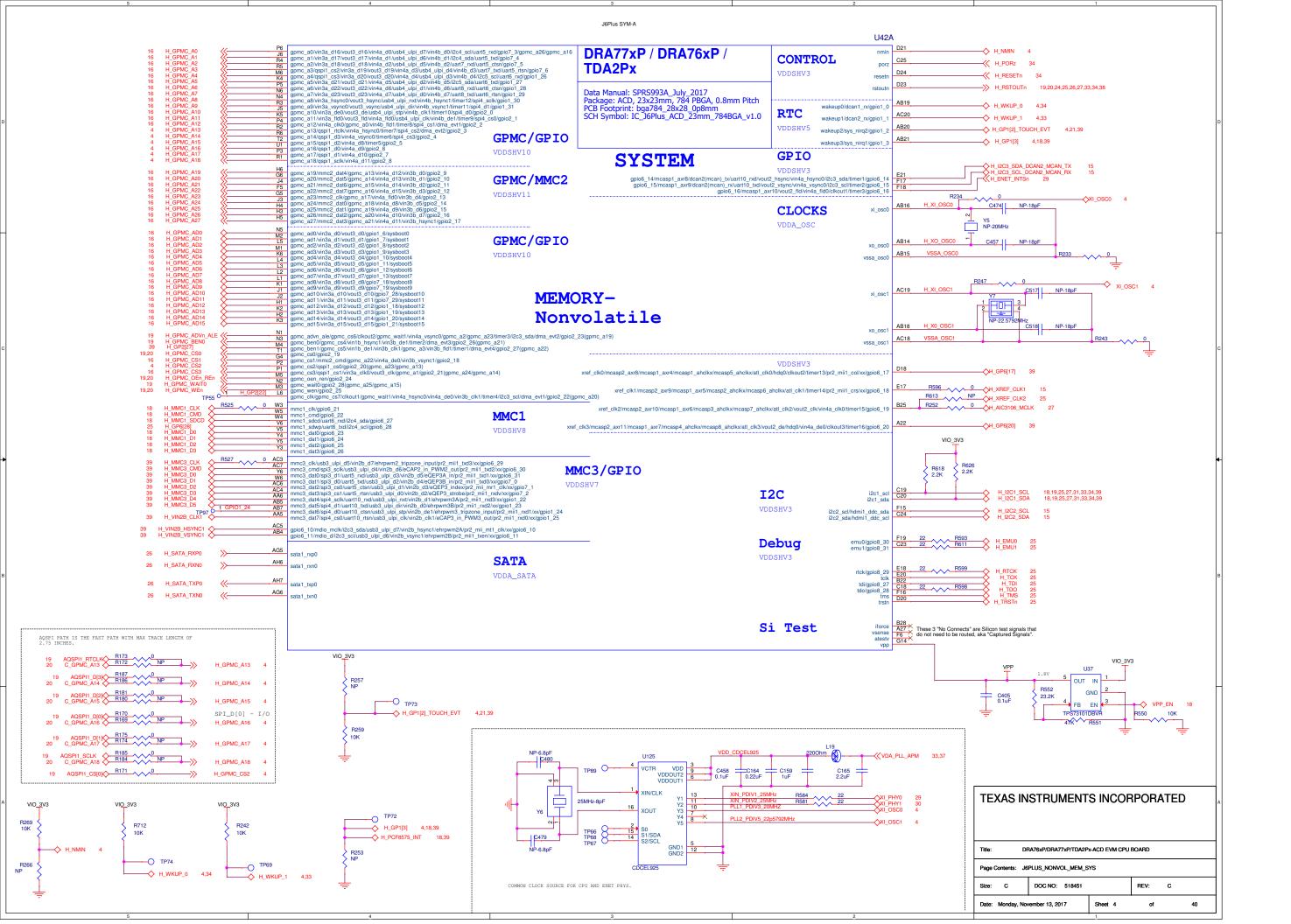
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Page Contents: NOTES

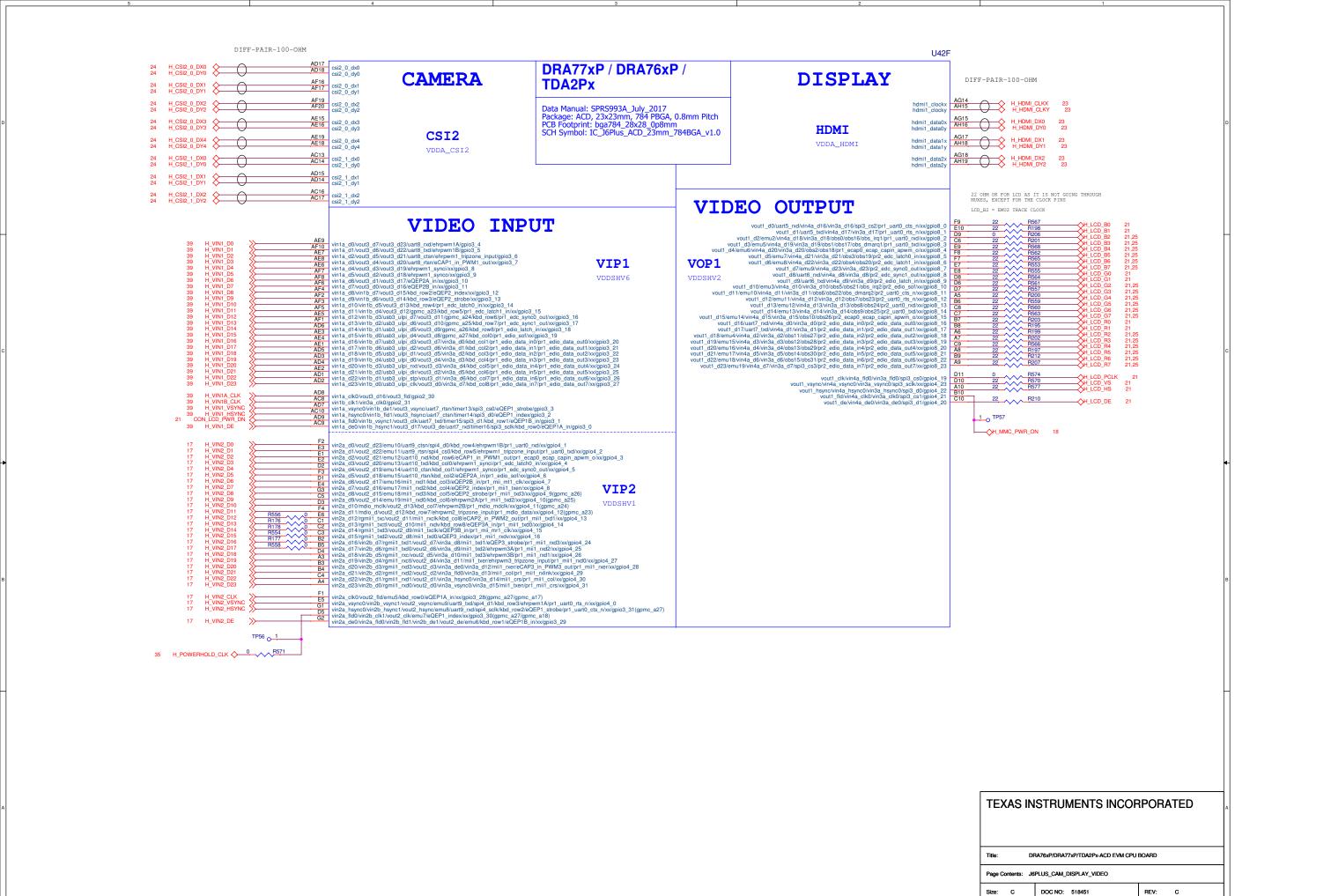
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 Date:
 Monday, November 13, 2017
 Sheet 2
 of
 40

ECN Number	518450-E002			
Date Requested	9/8/2017			
Requester Approvals	Tony C. Tony C.			
Assembly Number	518450-0001R			
Current Assembly Rev New Assembly Rev	B C			
Implentation notes	C			
Item#	Init Date	Priority	Status	Description
nem#	IIII Date	Filolity	Status	Description
1				ASSY, PWB, LOGIC Re B TO C
2				EEPROM Rev 1.1 to 1.2
DR-2				Sheet 33: Add in 3.3v/1.8V LDO for VDD_SDIO_DV support. ADD
				Q19 104958-0001R
				R753 101370-1001R
				R754 102145-1003R R755 102145-1003R
				U148 105156-0001R
DR-3				Sheet 22: Change U124 (TXS0108EPW) OE to pull high vs pull low to enable.
DR-4				Update SOC Symbol
5D 5				Sheet 4, 7, 15, 39 add "MCAN" to DCAN1 and DCAN2 signals. No logic
ER-5				changes. Change J20/J21 silkscreen to CAN1, CAN2.
ED 6				Sheet 18,19: Add 4 user GPIO switches with access from I/O expander, SW10
ER-6				and Automation header. ADD
				R745 103158-1003R
				R746 103158-1003R
				R747 103158-1003R R748 103158-1003R
				R749 103158-1002R
				R750 103158-1002R
				R751 103158-1002R R752 103158-1002R
				SW10 101184-0004R
55.7				OL LOAD DISTRICT
DR-7				Sheet 21: RJ3/RJ5 population change to enable I2C access to CDCE813. From 1-2 (101370-4702R, 4.7k) to 2-3 (101370-2200R, 22 ohm)
				110111 1-2 (1013/10-4/1021X, 4.7K) to 2-3 (1013/10-22001X, 22 01111)
				MLB probe points, J4, J5, J6 spacing to match J6 Entry. Change footprint from
DR-8				2mm to 2.54mm.
				Sheet 32, 34, 35: Add undervoltage circuit from J6 LCARD for better controlled
ER-9				shutdown.
				ADD C711 103885-1220R
				C711 103005-1220R C712 101782-1153R
				C713 C0402-NOPOP
				D24 NO-POP
				Q18 104958-0001R RJ17 101370-0001R
				R742 102145-2744R
				R743 102145-1004R
				R744 102145-1004R
				U147 NO-POP R756 102145-2003R
				TP98 TP-30RD13-NO-POP
				Polobol TD96 DCD_STACE1_2\/2_5\/9
				Relabel TP96 PGD_STAGE1_3V3_5V0 Label TP98 PGD UV DETECT
ER-10				Update SOC Symbol
DR-11				Evaluate SOC thermal and apply heatsink and fan if needed.
DR-12				Sheet 38: Add automation header note.
				Sheet 22: Add R-mux between VCC_1V1USB and H_USB2_DRV_VBUS to
DR-13				enable the USB HUB. H_USB2_DRV_VBUS Postion 2-3 default.
				Add RJ16, 102145-2003R
				rw 10, 102 140-2003R
				Fusion power connector silkscreen outline and text needs to be corrected so it is
DR-14				not under the connector.
				Sheet 18: Update the micro SD card footprint to Molex 502774-0891. Current
ER-15				micro SD is giong EOL. No logic change but the footprints are slightly different.
				P14 From 103053-0001R To 105161-0001R
ER-16				Sheet 32: Add smt gnd TPs near center of the board on top and bottom.
EIX-10				Add TP99, TP100 104178-0001R
ED 47				
ER-17				Sheet 33: Update PMIC OTP part# to 0917A154TRGZRQ1/ P0917A154TRGZRQ1 U38 From 105046-0001R-TI To105046-0002R-TI
				030 1 10111 103040-000 IX-11 10 103040-0002K-11
				105046-0002R-TI O917A154TRGZRQ1/ PO917A154TRGZRQ1
				4 3



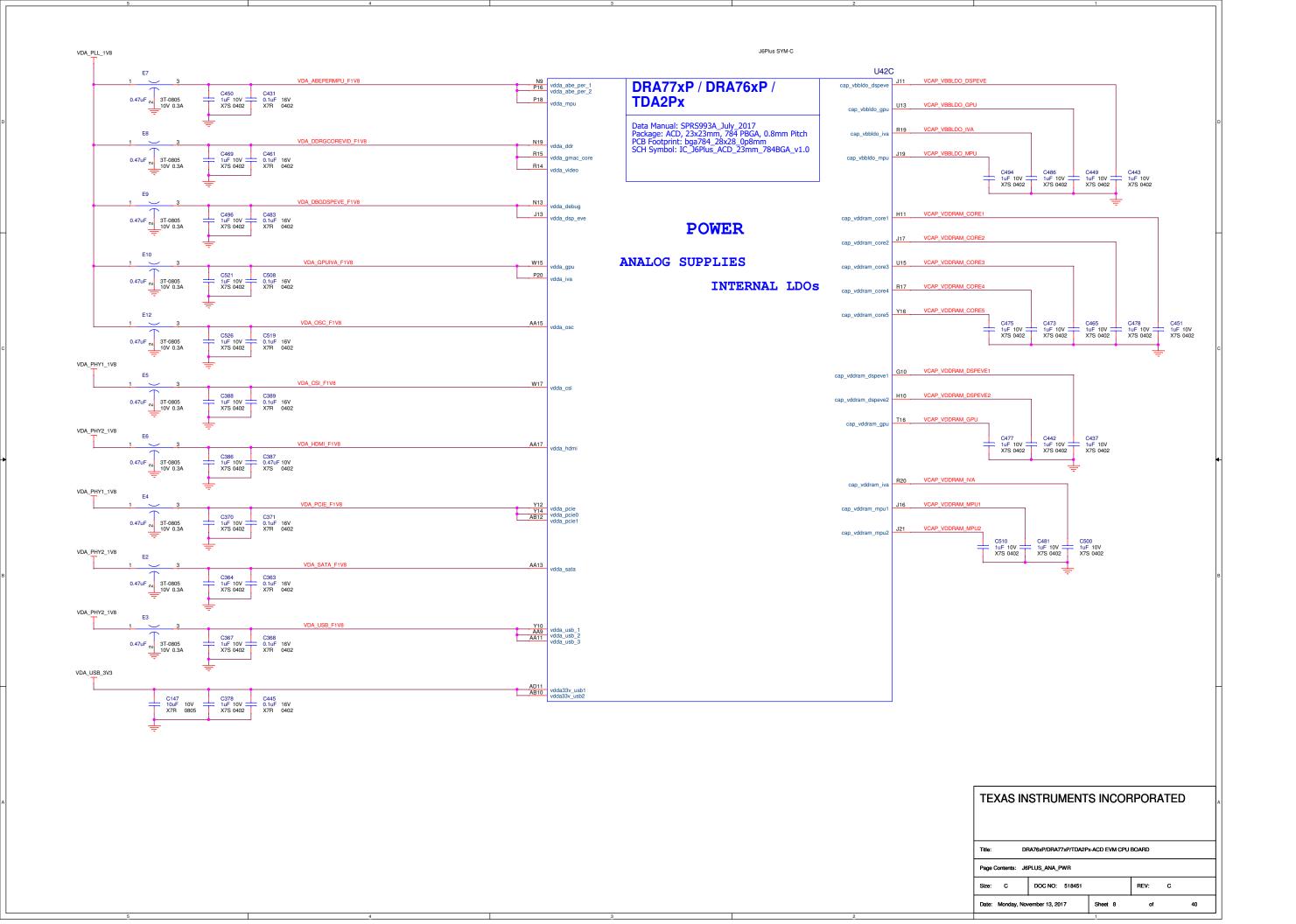
J6Plus SYM-B U42B AE22 | ddrl a0 | a0 | AE21 | ddrl a1 | AE21 | ddrl a2 | AE23 | ddrl a5 | AE24 | ddrl a6 | AE24 | ddrl a10 | AE24 | ddrl a10 | AE24 | ddrl a10 | AE24 | ddrl a11 | AE21 | ddrl a12 | AE23 | ddrl a13 | AE20 | ddrl a15 ddr2_a0 P25 ddr2_a1 P28 ddr2_a1 P28 ddr2_a2 P27 ddr2_a3 P23 ddr2_a4 P23 ddr2_a6 M25 ddr2_a6 M25 ddr2_a1 M25 ddr2_a1 M25 ddr2_a1 M25 ddr2_a1 M26 ddr2_a DRA77xP / DRA76xP / TDA2Px Data Manual: SPRS993A_July_2017 Package: ACD, 23x23mm, 784 PBGA, 0.8mm Pitch PCB Footprint: bga784_28x28_0p8mm SCH Symbol: IC_J6Plus_ACD_23mm_784BGA_v1.0 AE20 ddr1_ba0 ddr1_ba1 ddr1_ba2 ddr2_ba0 ddr2_ba1 ddr2_ba2 H_DDR2_BA0 H_DDR2_BA1 H_DDR2_BA2 AF22 ddr1_odt0 13 H_DDR1_ODT0 ddr2_odt0 -- ⊢ H_DDR2_ODT0 14,40 H_DDR2_CASN H_DDR2_RASN 13 H_DDR1_CASN 13 H_DDR1_RASN AH23
AG24
AH24
AH24
AH24
AH24
AH24 **VOLATILE MEMORY** H_DDR2_CKE H_DDR2_CLK_P H_DDR2_CLK_N H_DDR1_CKE H_DDR1_CLK_P H_DDR1_CLK_N ddr2_cke ddr2_ck ddr2_nck R27 AD23 ddr1_csn0 13 H_DDR1_CSN0 -- ⊢ H_DDR2_CSN0 0 R292 AF23 ddr1_rst ddr1_wen 14,40 ddr2_csn0 R698 0 H_DDR2_RST H_DDR2_WEN EMIF1 EMIF2 VDDS_DDR1 VDDS_DDR2 ddr2_dqm0 D2 ddr2_dqs0 D27 ddr2_dqs0 C28 ddr2_d1 E24 ddr2_d1 E24 ddr2_d1 D26 ddr2_d3 D26 ddr2_d4 B27 ddr2_d5 B26 ddr2_d4 C26 ddr2_d4 C26 ddr2_d4 C26 ddr2_dqm2 ddr2_dqs2 ddr2_ddsn2 ddr2_d16 ddr2_d17 ddr2_d18 ddr2_d18 f2dr2_d20 ddr2_d21 ddr2_d21 ddr2_d21 ddr2_d21 ddr2_d21 ddr2_d22 ddr2_d23 VDDR_SOC_VREFSTL VDDR_SOC_VREFSTL AB22 ddr1_vref0 ddr2 vref0 **ECC** VDDS_DDR1 TEXAS INSTRUMENTS INCORPORATED Title: DRA76xP/DRA77xP/TDA2Px-ACD EVM CPU BOARD Page Contents: J6PLUS_VOL_MEM REV: DOC NO: 518451 С С Sheet 5 Date: Monday, November 13, 2017

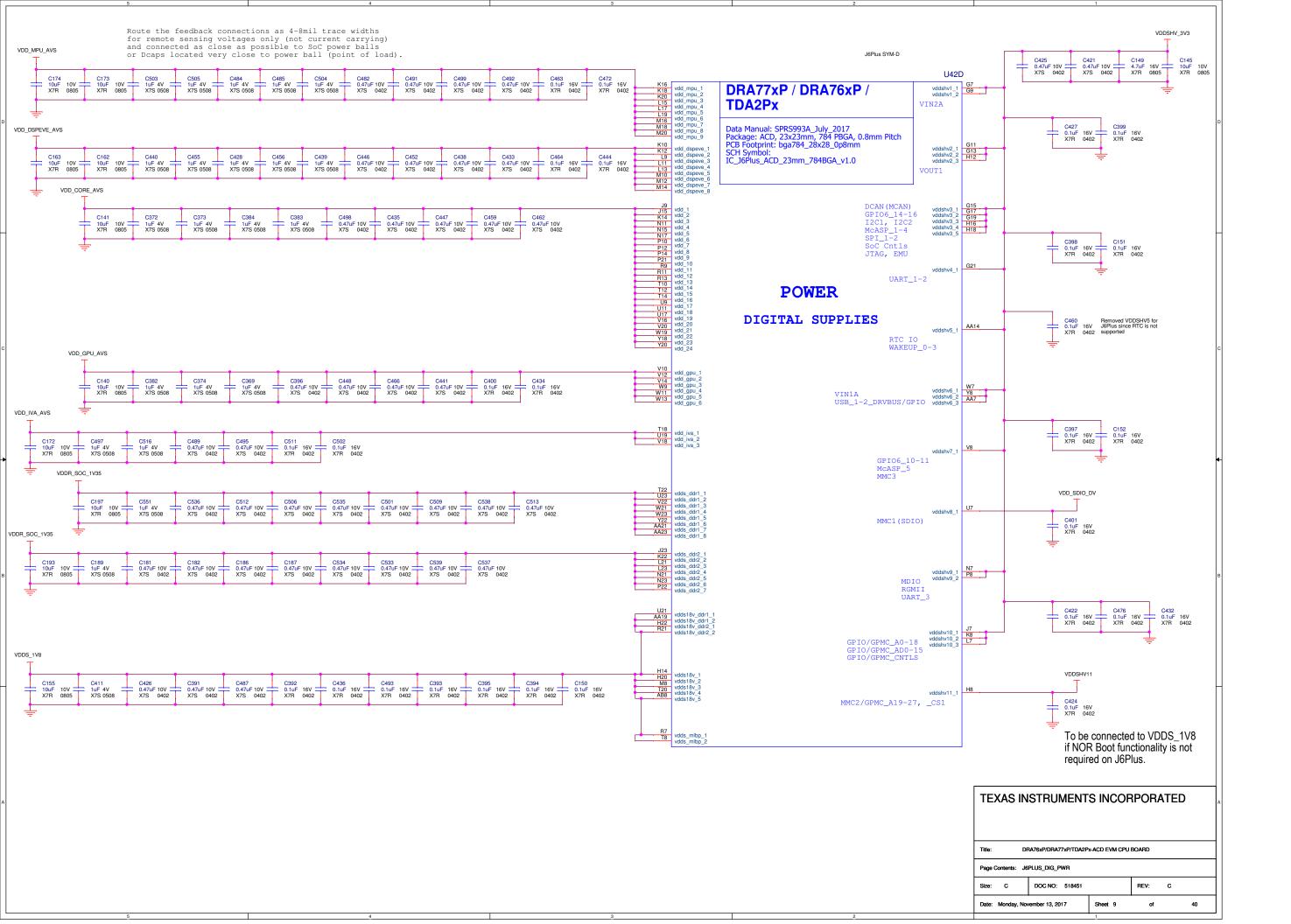


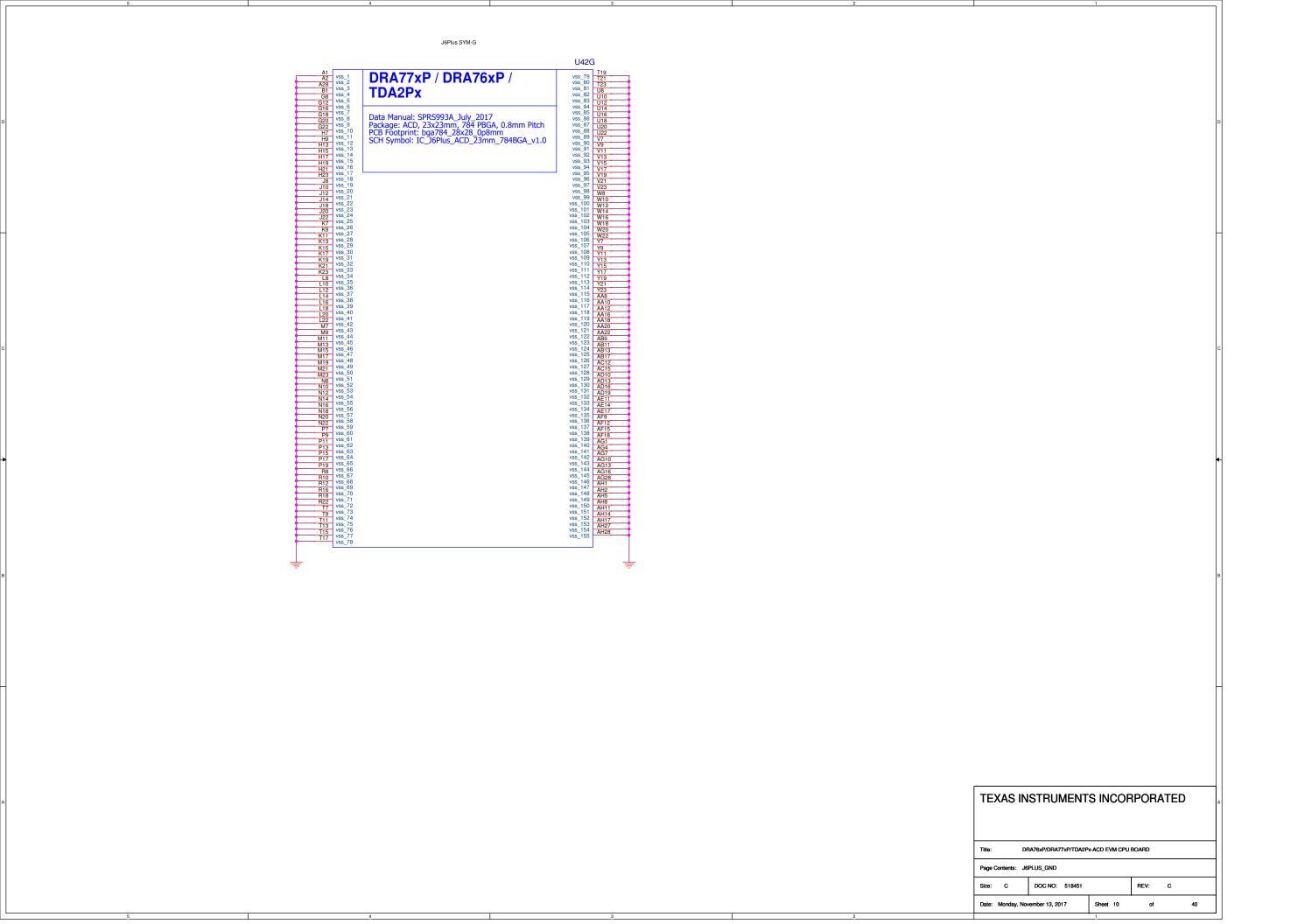
Date: Monday, November 13, 2017

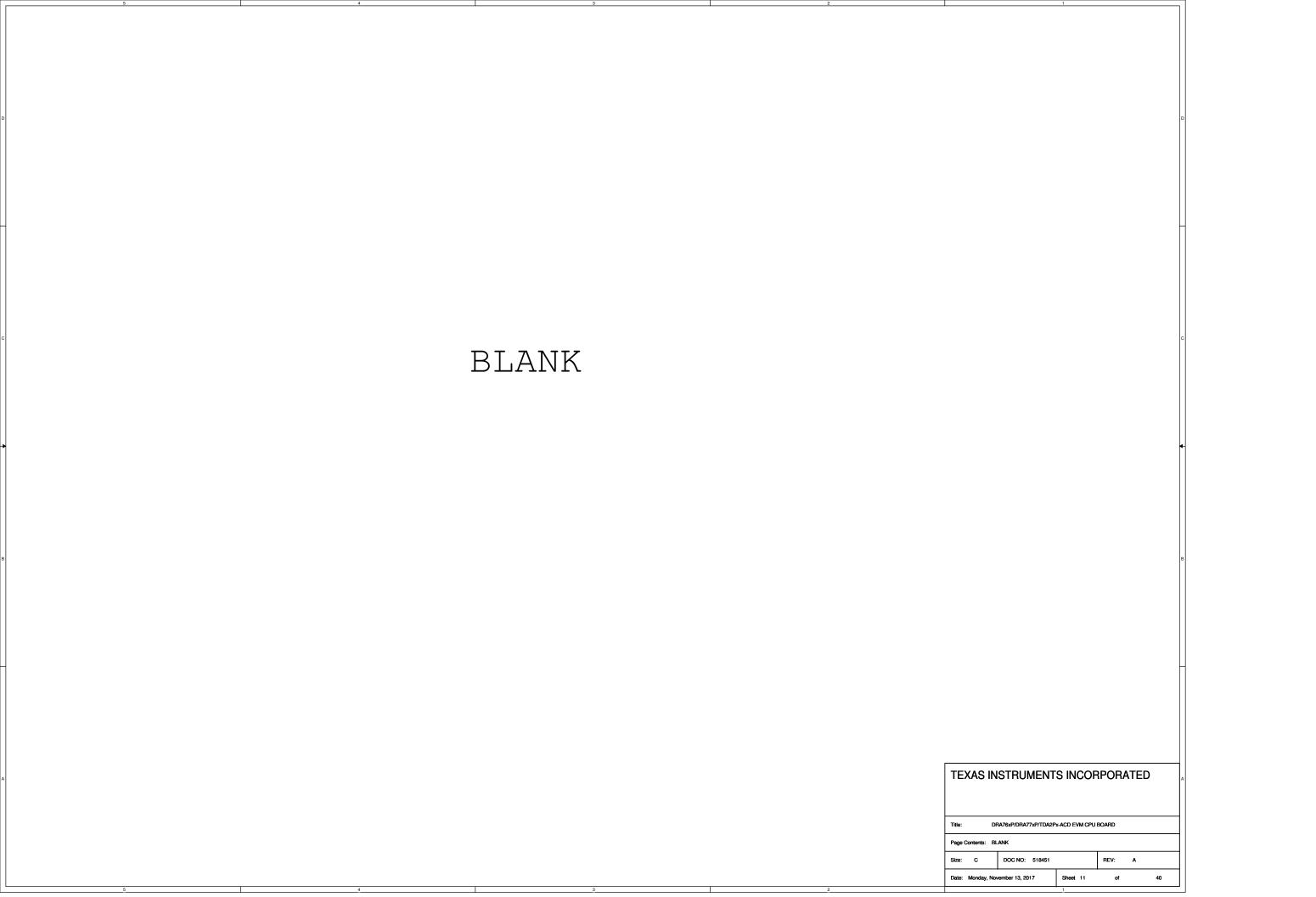
Sheet 6

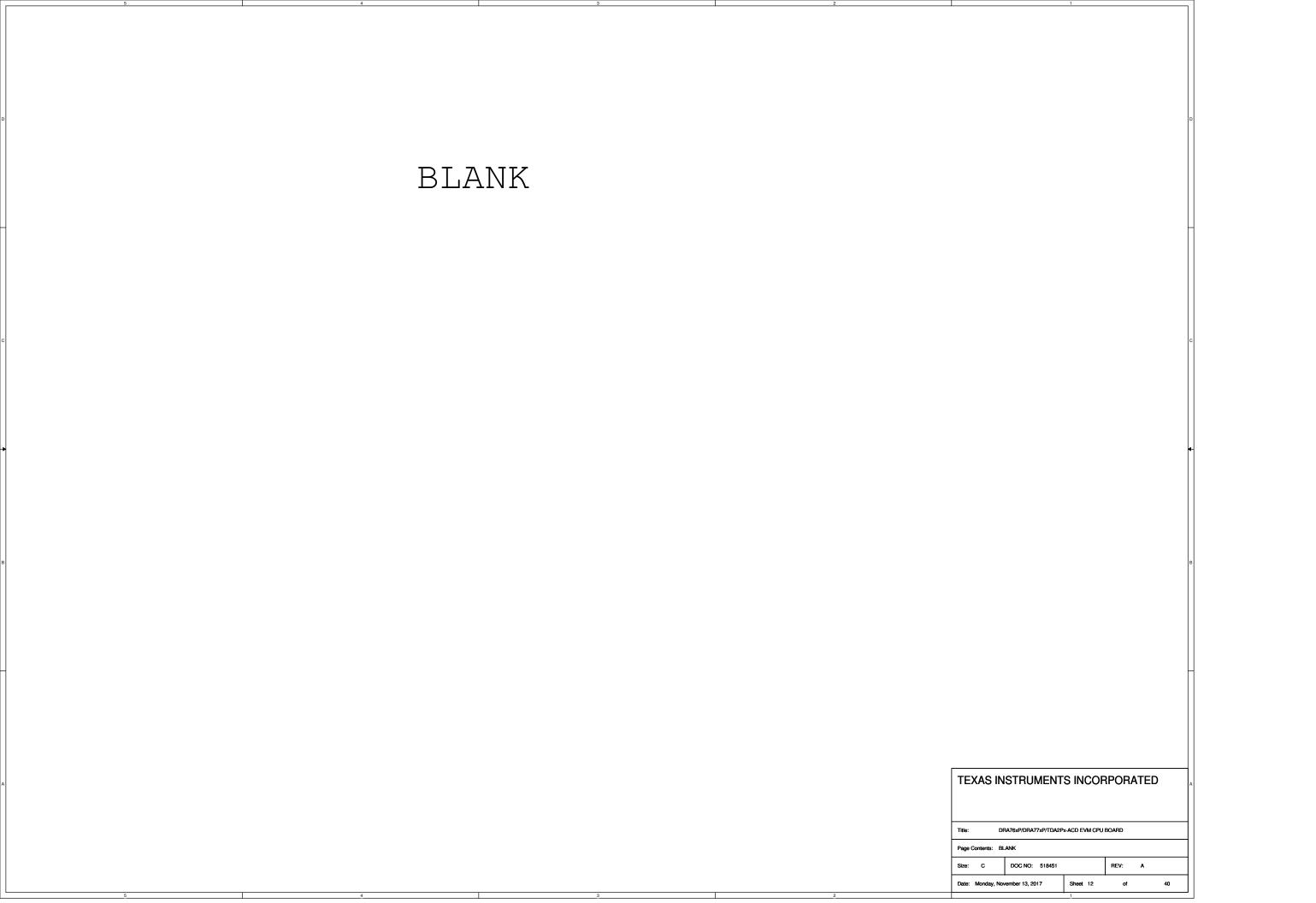
J6Plus SYM-F U42E DIFF-PAIR-100-OHM AH12 pcie_rxp0 DRA77xP / DRA76xP / mcasp1 aclkr/mcasp7 axr2/vout2 d0/vin4a d0/i2c4 sda/gpio5 0 **PCIe MCASP** mcasp1_aclkx/i2c3_sda/pr2_mdio_mdclk/xx/ mcasp1_fsx/i2c3_scl/pr2_mdio_data/gpio7_ mcasp1_fsr/mcasp7_axr3/vout2_d1/vin4a_d1/i2c4_scl/gpio5_ AH13 pcie_txp0 TDA2Px VDDA_PCIE0 mcasp1 fsr/mcasp7_ax/3/voul2_d1/vin4a_d1/i/2c4_scl/gpio5_1
mcasp1_axv1/uar6_tx/d1/2c5_scl/pr2_mii_nzer/xxgpio5_2
mcasp1_axv1/uar6_tx/d1/2c5_scl/pr2_mii_nzer/xxgpio5_2
mcasp1_axv2/mcasp6_axv2/uar6_tclxv/oul2_d2/vin4a_d2/gpio5_5
mcasp1_axv2/mcasp6_axv2/uar16_fsr/voul2_d3/vin4a_d2/gpio5_5
mcasp1_axv2/mcasp6_axv2/uar16_d3/vin4a_d4/gpio5_6
mcasp1_axv2/mcasp4_axv2/voul2_d5/vin4a_d6/gpio5_5
mcasp1_axv6/mcasp5_axv2/voul2_d5/vin4a_d6/gpio5_6
mcasp1_axv6/mcasp5_axv2/voul2_d6/vin4a_d6/gpio5_6
mcasp1_axv9/mcasp6_axv6/spi3_sclk/timer6/pr2_mii0_tx/dxv6/gpio5_11
axv10/mcasp6_axv6/spi3_sclk/timer6/pr2_mii0_tx/dxv6/gpio5_11
axv10/mcasp6_axv6/spi3_sclk/timer6/pr2_mii0_tx/dxv6/gpio5_11
axv10/mcasp6_ax/mcasp6_sr/spi3_d0/timer6/pr2_mii0_tx/dxv6/gpio5_11
axv10/mcasp6_sv6/spi3_sclk/mcasp7/pr2_mii0_tx/dxv6/gpio5_11
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axv10/mcasp6_sv6/spi3_scl/dimer10/pr2_mii0_tx/dxv6/gpio6_11
axv10/mcasp6_sv6/spi3_scl/dimer10/pr2_mii0_tx/dxv6/gpio6_11
axv10/mcasp6_sv6/spi3_scl/dimer10/pr2_mii0_tx/dxv6/gpio6_11
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axv10/mcasp6_sv6/spi3_scl/dimer10/pr2_mii0_tx/dxv6/gpi06_11
axv10/mcasp6_sv6/spi3_scl/dimer10/pr2_mii0_tx/dxv6/gpi06_11
axv10/mcasp6_sv6/spi3_scl/dimer10/pr2_mii0_tx/dxv6/gpi06_11
axv10/mcasp6_sv6/spi3_scl/dimer10/pr2_mii0_tx/dxv6/gpi06_11
axv10/mcasp6_sv6/spi3_scl/dimer10/pr2_mii0_tx/d VDDSHV3 AH9 pcie_rxp1 pcie_rxn1 Data Manual: SPRS993A_July_2017
Package: ACD, 23x23mm, 784 PBGA, 0.8mm Pitch
PCB Footprint: bga784_28x28_0p8mm
SCH Symbol: IC_J6Plus_ACD_23mm_784BGA_v1.0 VDDA_PCIE1 AE13 ljcb_clkp ljcb_clkn H_MCÁ6_AXR0 15 H_MCA6_AXR1 15 H_MCA6_CLKX 15 H_MCA6_FSX 15 H_MCA7_AXR0 15 H_MCA7_AXR1 15 H_MCA7_CLKX 15 H_MCA7_FSX 15 VDDA_PCIE R209 0 R213 0 VDDA33V_USB1 **USB** er16/gpio6_12 VDDSHV6 AE12 AF13 AC11 usb2_dp usb2_dm usb2_drvvbus/tin VDDA33V_USB2 mcasp2_aclkr/mcasp8_axr2/vout2_d8/vin4a_d8
mcasp2_aclkc/pr2_miol_nd2/xx
mcasp2_lsr/mcasp8_axr3/vout2_d9/vin4a_d9
mcasp2_stp2_d10/vin4a_d9
mcasp2_axr2/mcasp3_axr2/vin6a_d10/vin4a_d10
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mcasp2_axr2/mcasp3_axr2/vin6a_d4/pr2_miol_nxld0/xx/gpio6_8
mcasp2_axr4/mcasp8_axr0/vout2_d10/vin4a_d11/gpio1_4
mcasp2_axr4/mcasp8_axr0/vout2_d14/vin4a_d13/gpio6_7
mcasp2_axr4/mcasp8_axr0/vout2_d14/vin4a_d14/gpio2_29
mcasp2_axr7/mcasp8_sty/mcasp8_str/vout2_d14/vin4a_d14/gpio2_29 CONNECTIVITY ner15/gpio6_13 VDDSHV6 H_MCA2_ACLKX H_MCA2_AFSX 28 H_USB3_RXP 28 H_USB3_RXN usb_rxp0 usb_rxn0 AH3 usb_txp0 usb_txn0 VDDA_USB1 USB-DIFF-PAIR-90-OHM rgmii0 txc/uart3 ctsn/rmii1 rxd1/mii0 rxd3/vin2a d3/vin4b d3/usb4 ulpi clk/spi3 d0/spi4 cs2/pr1 mii0 rxd3/xx/gpio5 20 igniiio bodulari3 rishiriinii nuoʻniio nooʻviriza dovirindo davisela ujipi interpo duogini esepiri iniiio hadovorgindo zoʻviriginiio boduriiio xadoviriiio xadoviriiiio xadoviriiio xadovi mcasp3_aclkx/mcasp3_aclkr/mcasp2_axr12/uart7_rxd/pr2_mii0_crs/x/gpio5_13 mcasp3_lsx/mcasp3_lsr/mcasp2_axr13/uart7_txd/pr2_mii0_crs/x/gpio5_14 mcasp3_axr0/mcasp2_axr14/uart7_ctsn/uart5_rxd/pr2_mii1_rxer/xx mcasp3_axr1/mcasp2_axr15/uart7_rtsn/uart5_txd/pr2_mii1_rxer/xx H_MCA3_ACLKX H_MCA3_AFSX H_MCA3_AXR0 H_MCA3_AXR1 rgmii0_rxc/rmii1_txen/mii0_txclk/vin2a_d5/vin4b_d5/usb4_ulpi_d2/pr1_mii_mt0_clk/xx/gpio5_26 rgmii0_rxcll/rmii1_txd1/mii0_txd3/vin2a_d6/vin4b_d6/usb4_ulpi_d3/pr1_mii0_txd3/xx/gpio5_27 rgmii0_rxd0/rmii0_txd1/mii0_txd1/vin2a_d9/usb4_ulpi_d7/rmii0_txd1/rmii0_txd1/xx/gpio5_31 rgmii0_rxd1/rmii0_txd1/mii0_txd1/vin2a_d9/usb4_ulpi_d6/pr1_mii0_txd1/xx/gpio5_31 rgmii0_rxd2/rmii0_txd1/mii0_txen/vin2_d8/usb4_ulpi_d6/pr1_mii0_txen/xx/gpio5_9 rgmii0_rxd3/rmii1_txd0/mii0_txd2/xin2a_d7/vin4b_d7/usb4_ulpi_d4/pr1_mii0_txd2/xx/gpio5_28 H_VIN[5]A_D[15] H_VIN[5]A_D[14] H_VIN[5]A_D[13] H_VIN[5]A_D[12] **ETHERNET** mcasp5_acikv/mcasp5_acikr/spi4_sclk/uarl9_rxd/i2c5_sda/mlb_clk/vout2_d20/vin4a_d20/xx AB6 mcasp5_fsv/mcasp5_fsr/spi4_d1/uarl9_rxd/i2c5_scl/vout2_d21/vin4a_d21/xx AB3 mcasp5_axr0/spi4_d0/uarl9_ctsn/uarl3_rxd/mlb_sig/vout2_d22/vin4a_d22/pr2_mdio_mdclk/xx MA3 mcasp5_axr1/spi4_cs0/uarl9_rtsn/uarl3_bxd/mlb_dat/vout2_d23/vin4a_d23/pr2_mdio_data/xx _U2 RMII_MHZ_50_CLK/vin2a_d11/xx/gpio5_17 39 H GP5[17] 🔿 U3 mdio_d/uart3_ctsn/mii0_txer/vin2a_d0/vin4b_d0/pr1_mii0_rxlink/xx/gpio5_16 mdio_mclk/uart3_rtsn/mii0_col/vin2a_clk0/vin4b_clk1/pr1_mii0_col/xx/gpio5_15 VDDSHV9 17 H_MDIO_D 17 H_MDIO_MCLK H_CAM_SPI[1]_CS[0]n spi1_cs0/gpio7_10 spi1_cs1/sata1_ed/spi2_cs1/gpio7_11 i1_cs2/uar14_rxd/mmc3_sdcd/spi2_cs2/dcar2_tx/mdio_mck/r/dmi1_had/gpio7_12 spi1_cs3/uar14_bxd/mmc3_sdwp/spi2_cs3/dcar2_rx/mdio_d/hdmi1_cec/gpio7_13 spi1_d0/spio7_s spi1_d1/gpio7_8 mlbp_clk_p mlbp_clk_n **MLBP** SPI mlbp_dat_p mlbp_dat_n VDDS_MLBP VDDSHV3 AC1 mlbp_sig_p mlbp_sig_n → H_SPI1_SCLK H_MLBP_SIGP spi2_cs0/uart3_rtsn/uart5_txd/gpi07_17 spi2_d0/uart3_ctsn/uart5_rxd/gpi07_16 spi2_d1/uart3_txd/gpi07_15 spi2_sclk/uart3_rxd/gpi07_14 DIFF-PAIR-100-OHM dcan1(mcan)_tx/uart8_rxd/mmc2_sdcd/hdmi1_hpd/gpio1_14 dcan1(mcan)_rx/uart8_txd/mmc2_sdwp/sata1_led/hdmi1_cec/gpio1_15 uart1_txd/mmc4_sdwp/gpio7_23 uart1_rxd/mmc4_sdcd/gpio7_22 uart1_rtsn/uart9_txd/mmc4_cmd/gpio7_25 uart1_ctsn/uart9_rxd/mmc4_clk/gpio7_24 **UART** DCAN (MCAN) VDDSHV4 VDDSHV3 H_MMC4_DAT1 H_MMC4_DAT0 H_MMC4_DAT3 H_MMC4_DAT2 PLACE 100 OHM RESISTORS AT CPU → H_MLBP_CLKP 7,25 → H_MLBP_CLKN 7,25 → H_MLBP_DP 7,25 → H_MLBP_DN 7,25 H MI BP SIGP 7.25 BUFFER SPI1 CLOCK BASED ON SIMULATIONS H MLBP SIGN 7.25 VIO_3V3 DIFF-PAIR-100-OHM VIO_3V3 R643 10K 0.1uF -U54 74LV1G126CRG4 TEXAS INSTRUMENTS INCORPORATED 7 H_SPI1_SCLK >-VIO 3V3 DRA76xP/DRA77xP/TDA2Px-ACD EVM CPU BOARD U51 74LV1G126CRG4 Page Contents: J6PLUS_CONVITY RFV: С С DOC NO: 518451 Date: Monday, November 13, 2017 Sheet 7

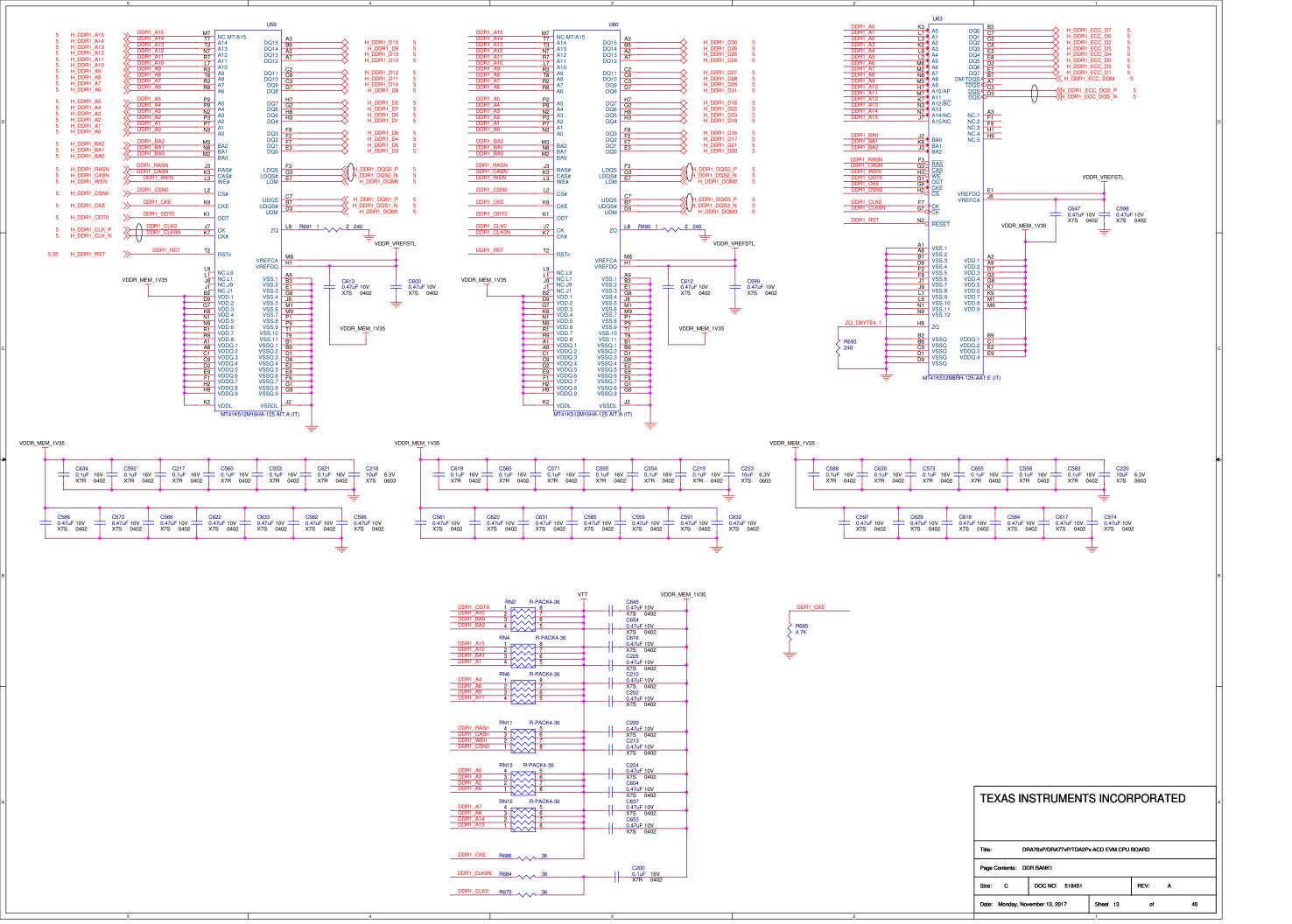


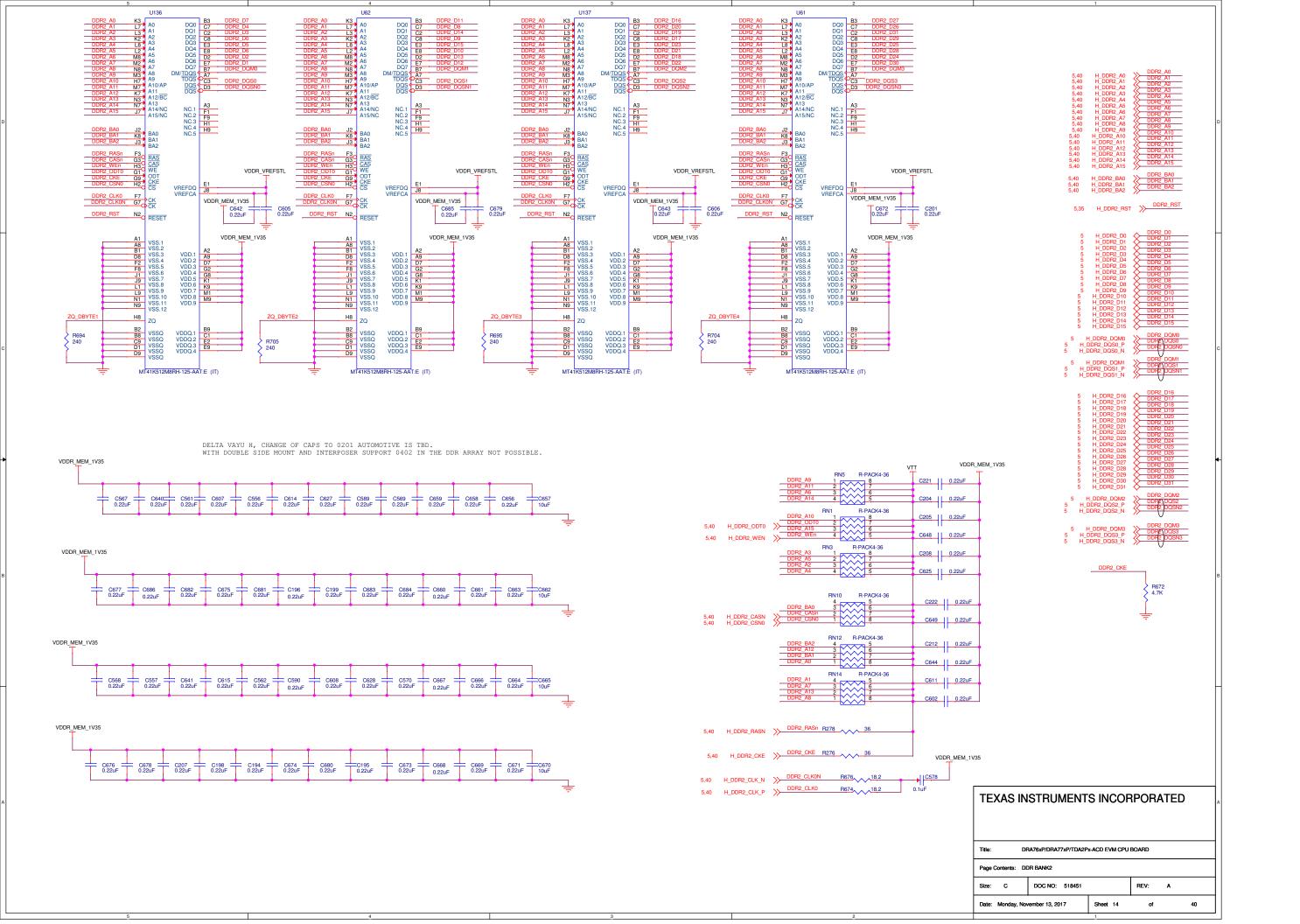


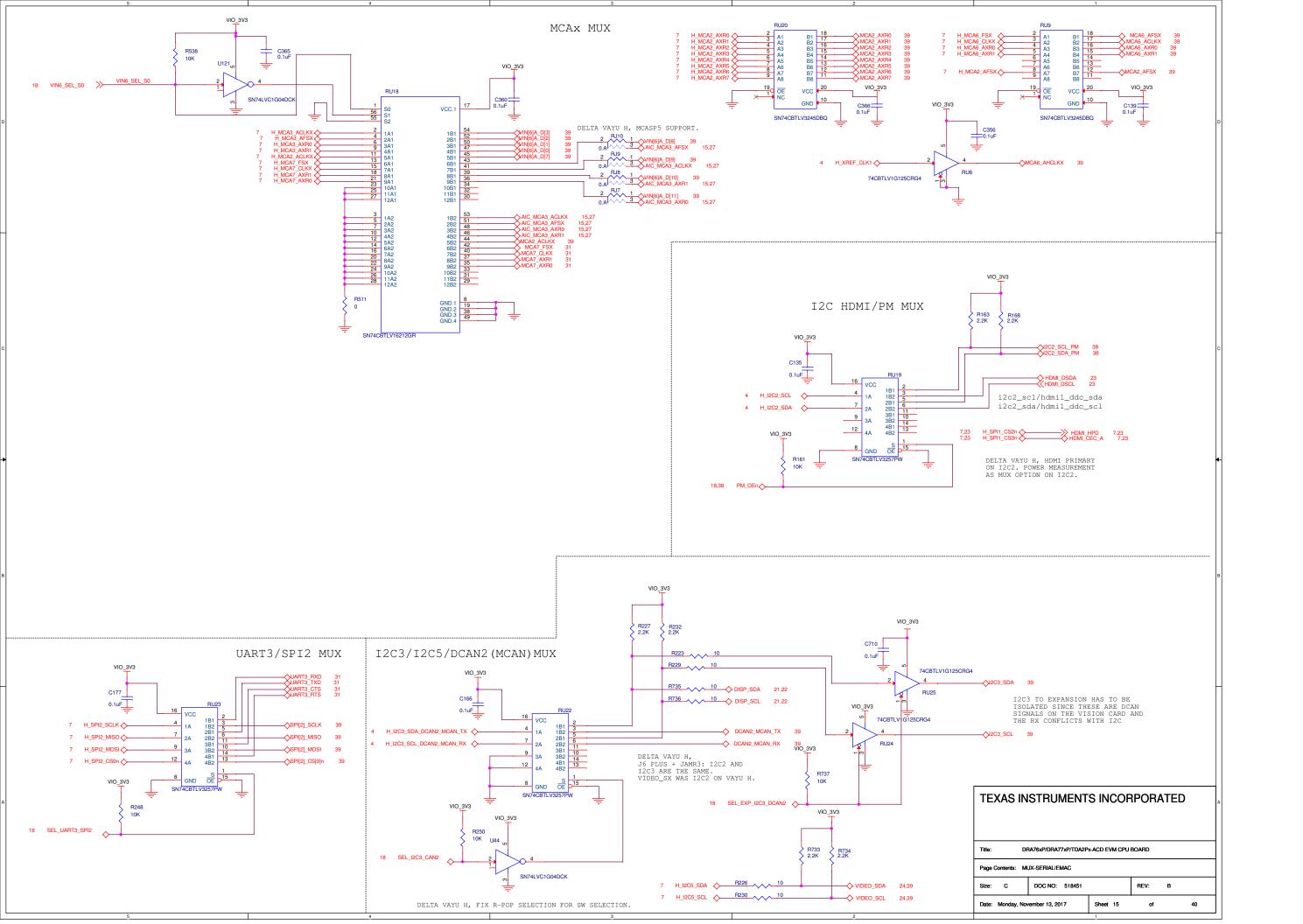


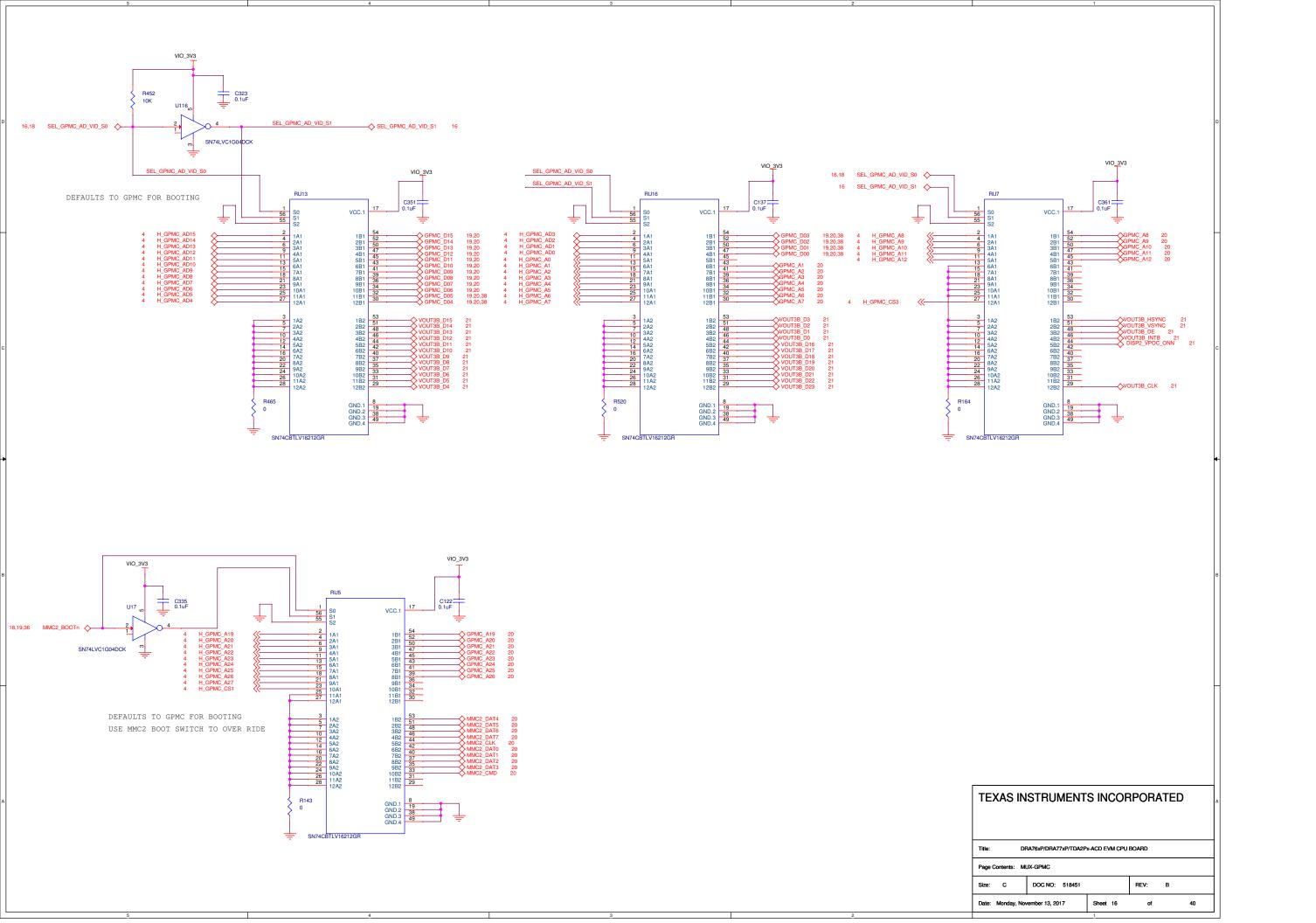


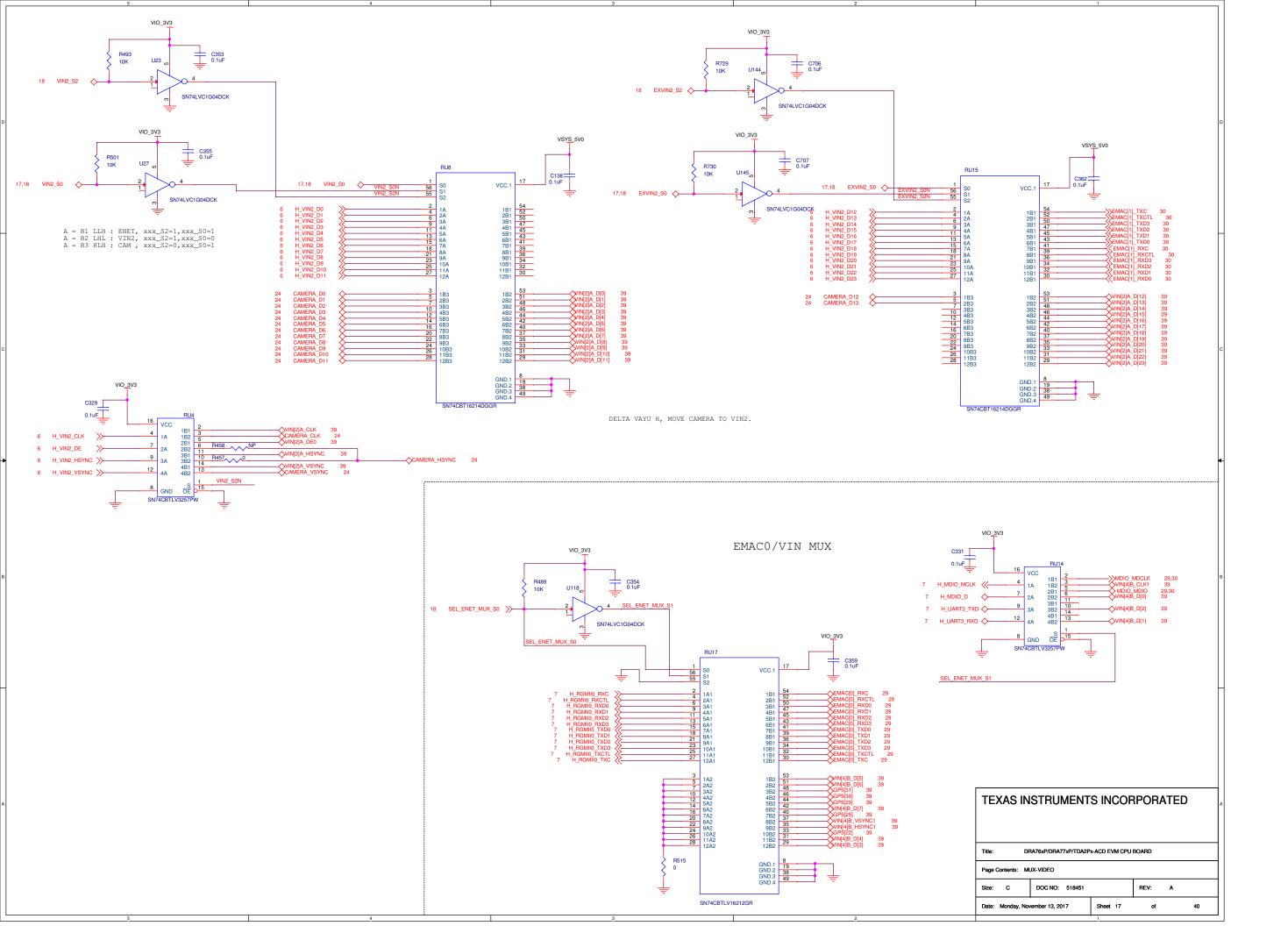


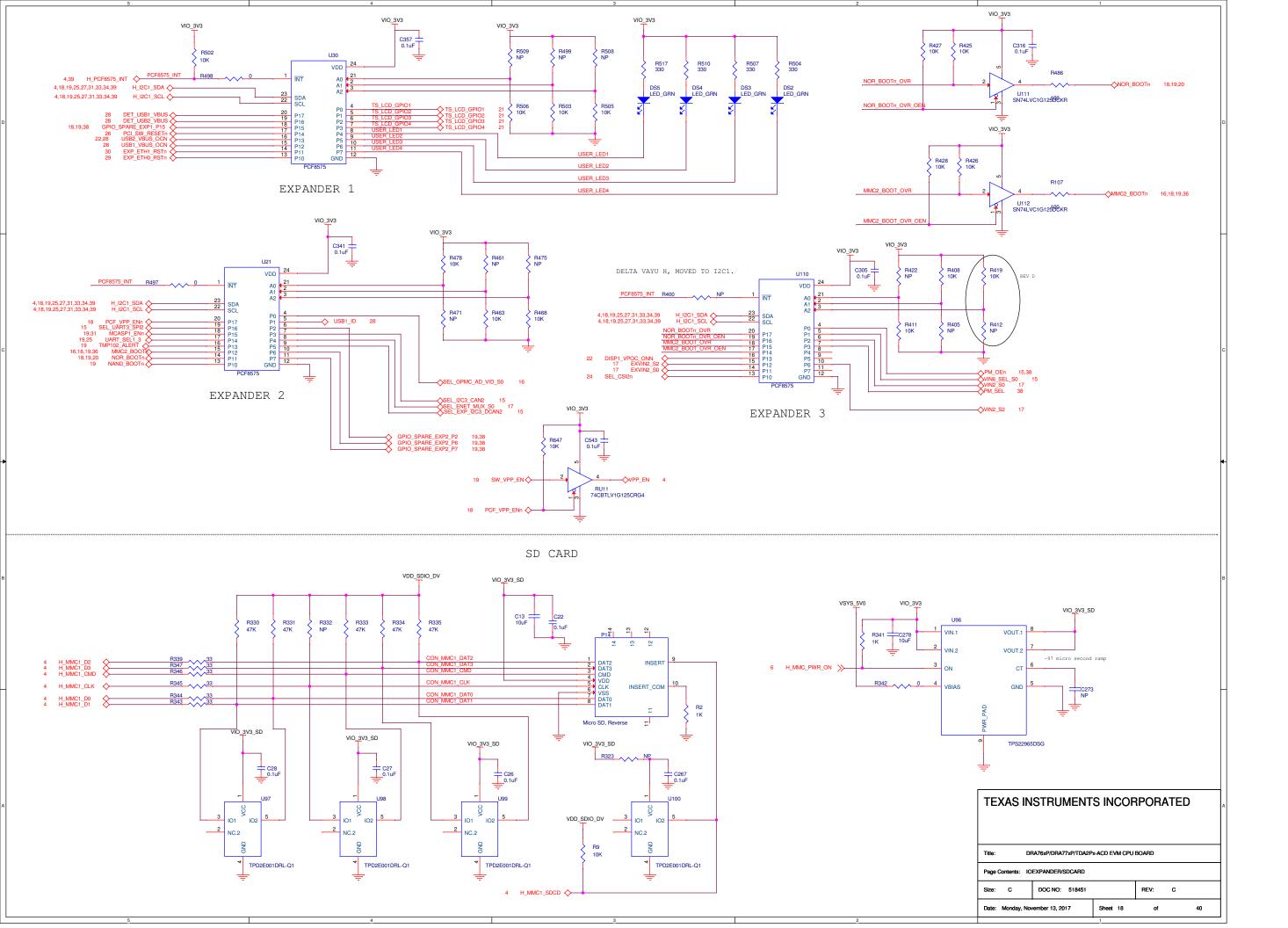


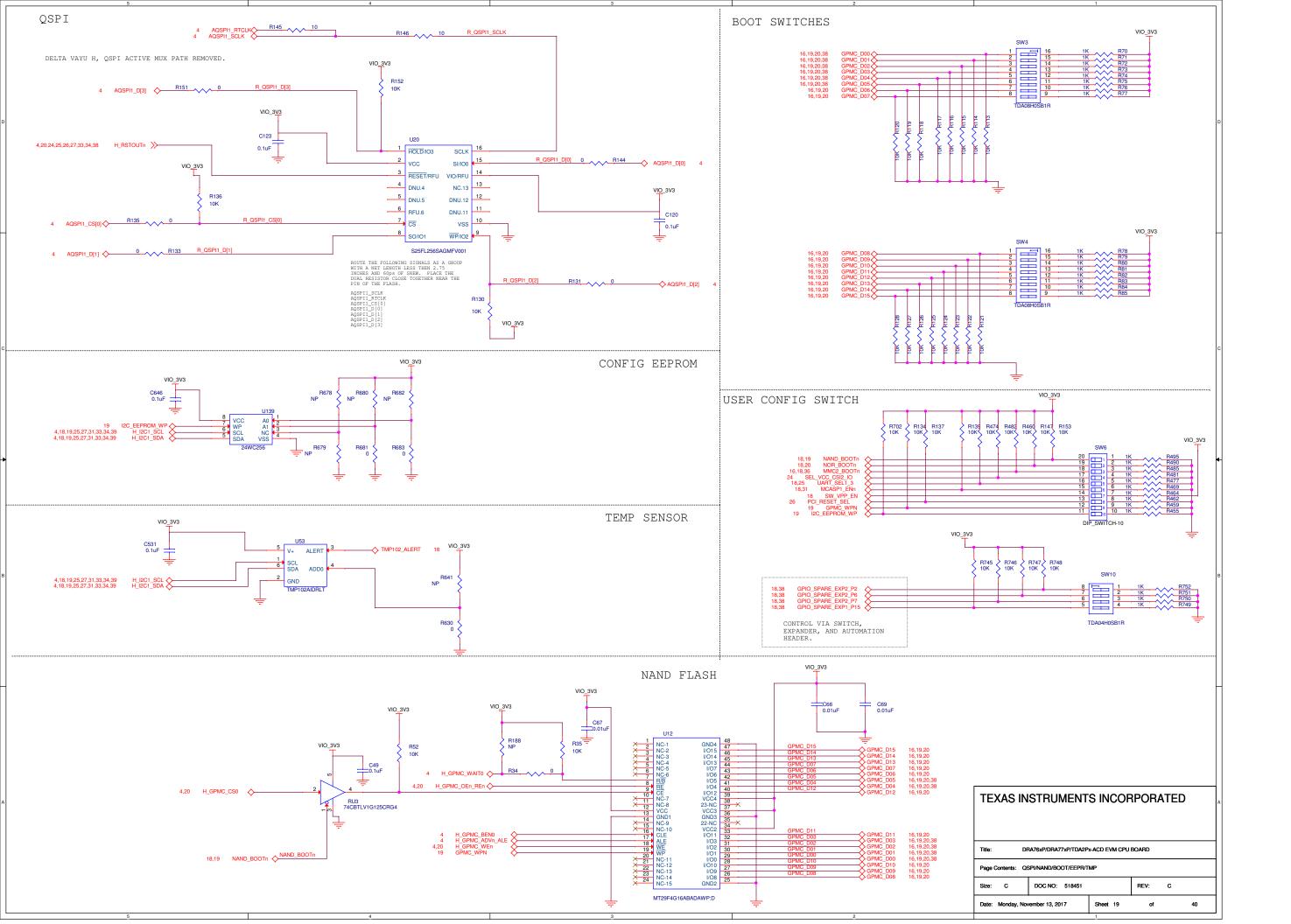


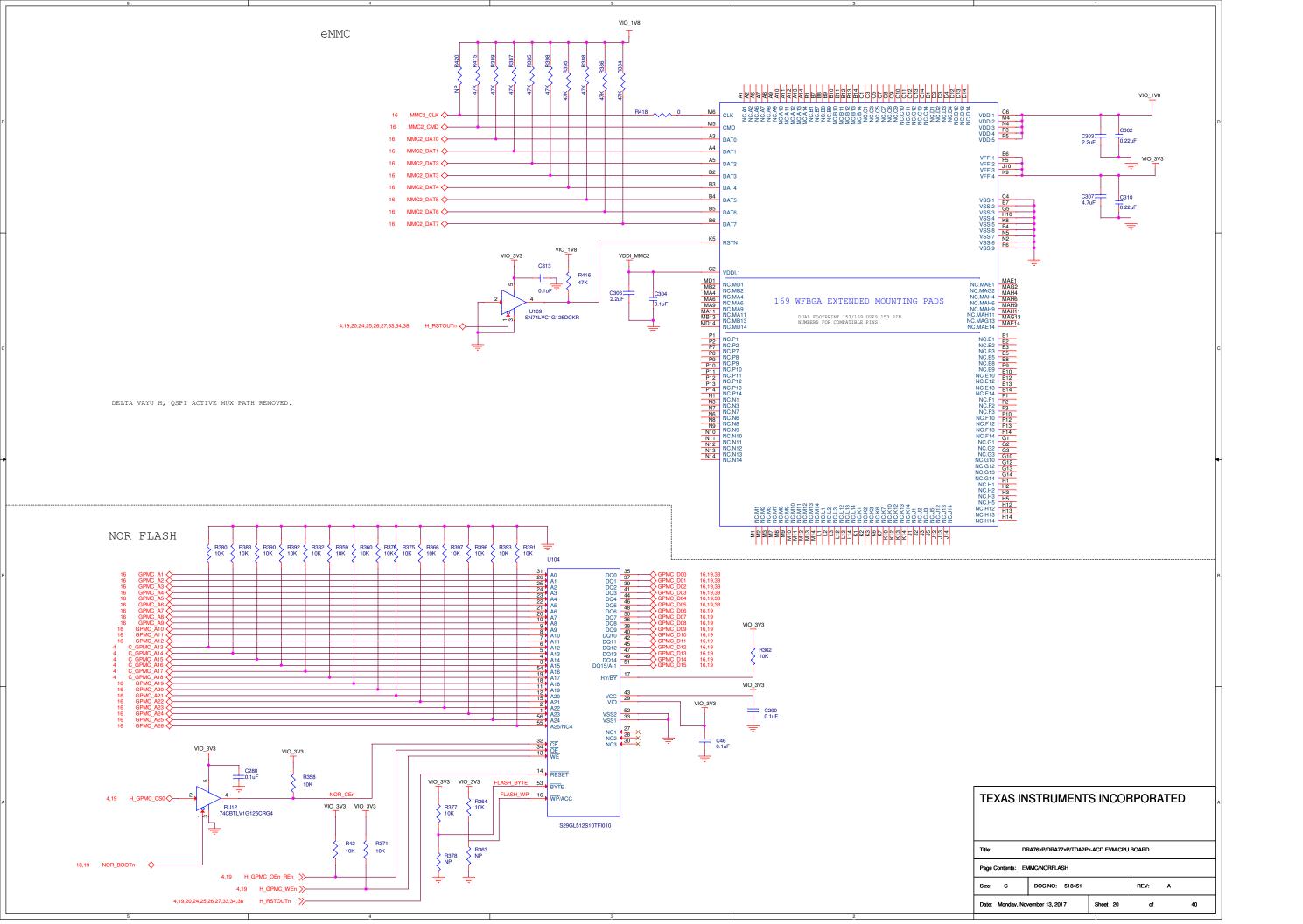


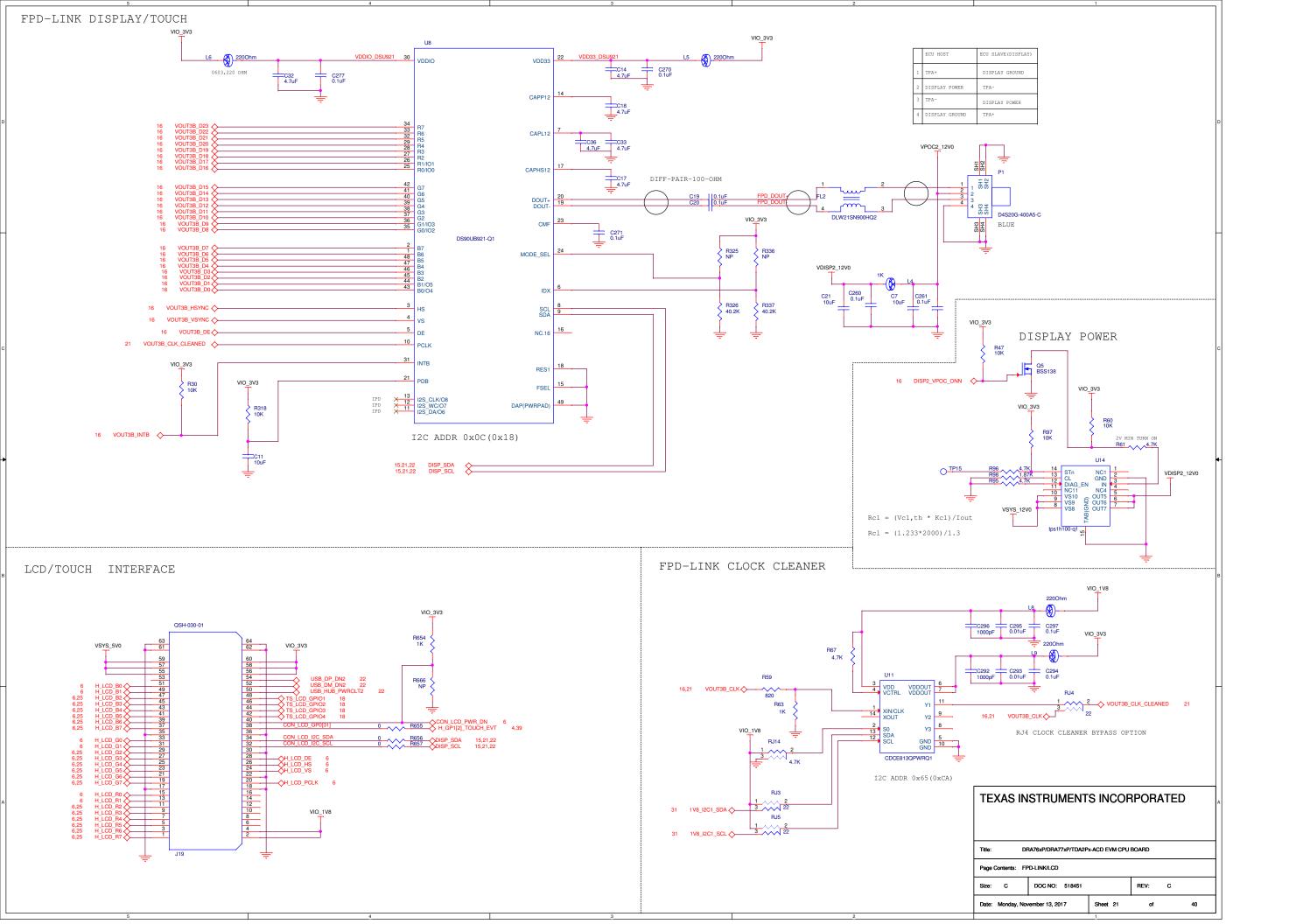


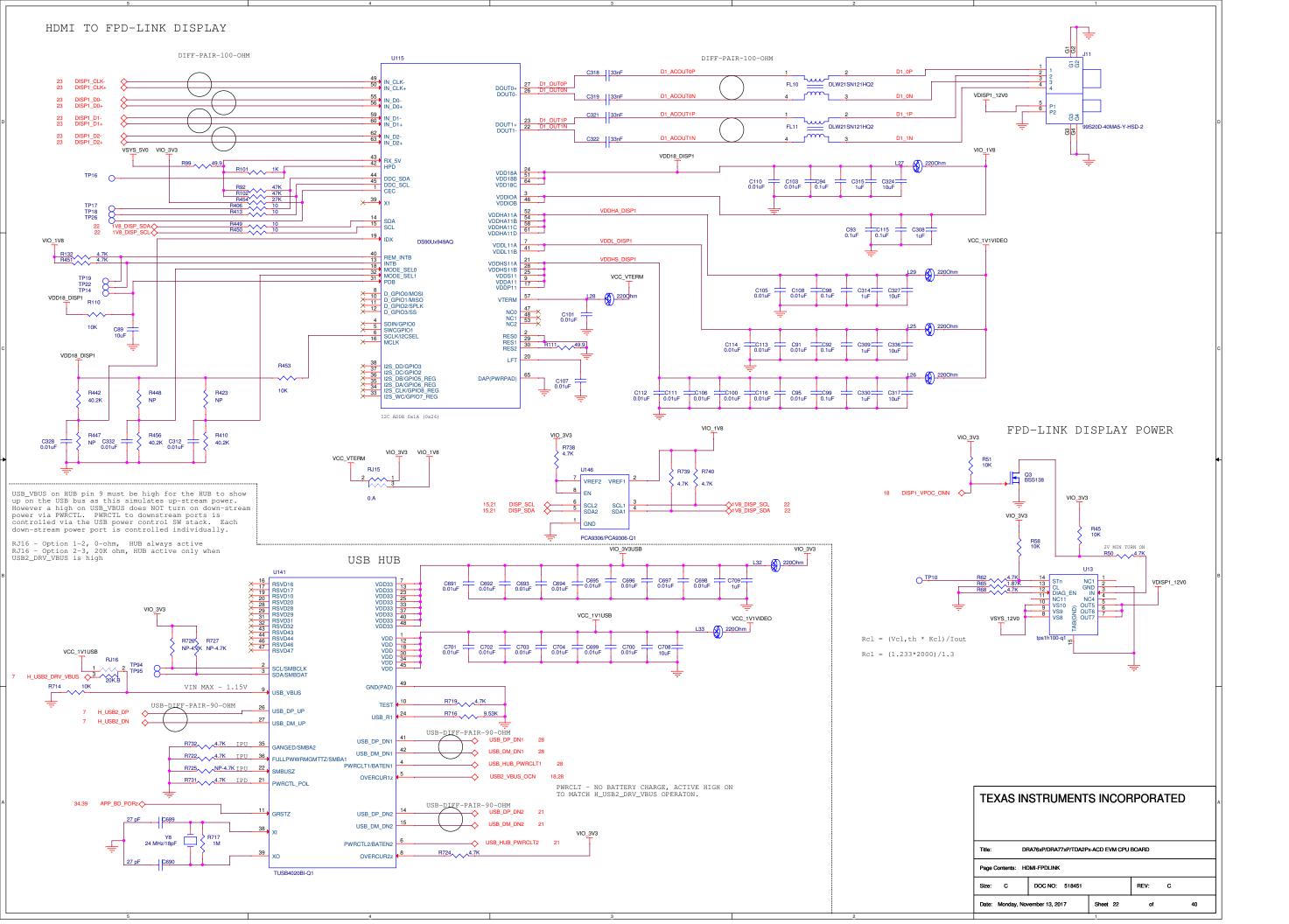


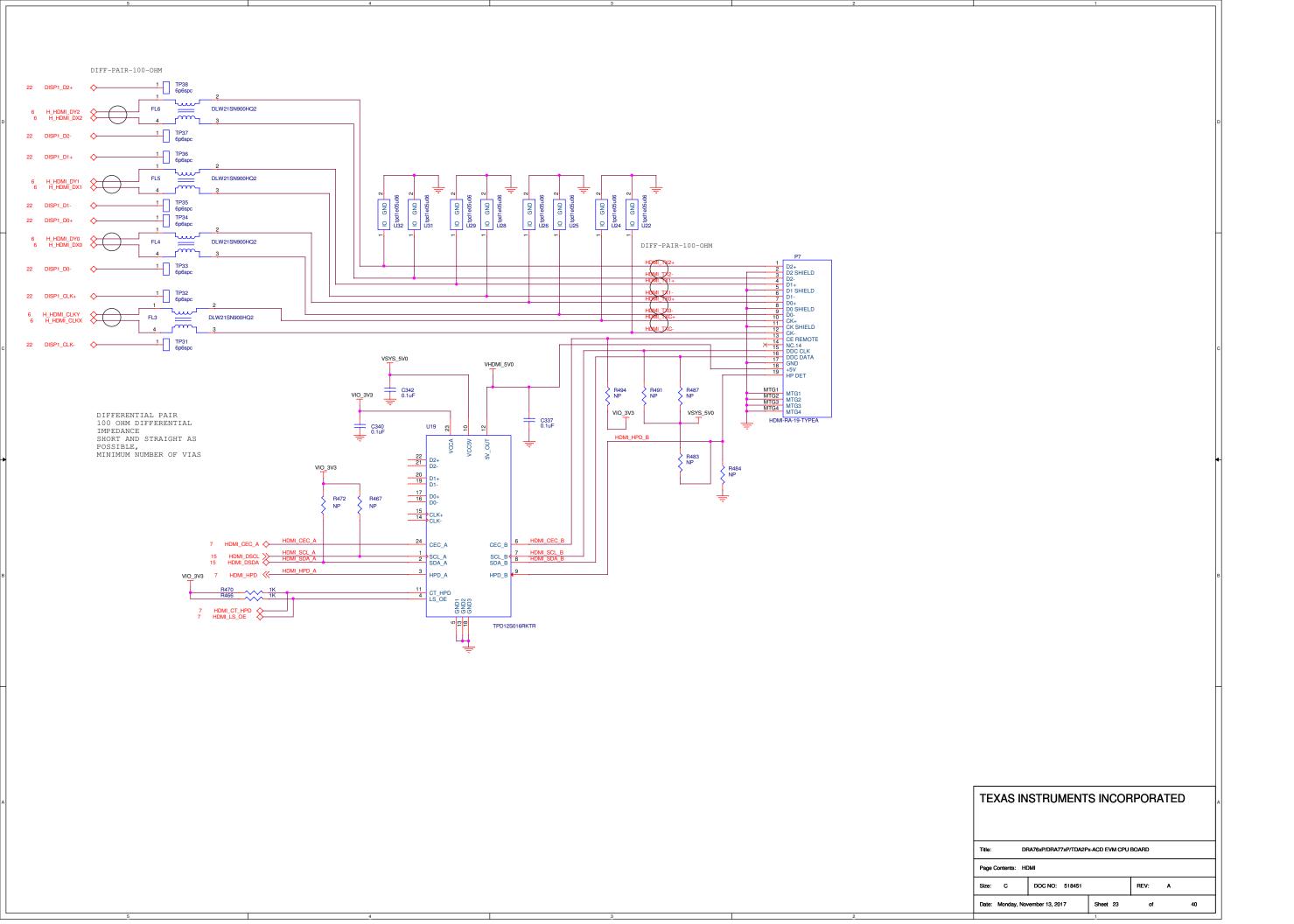


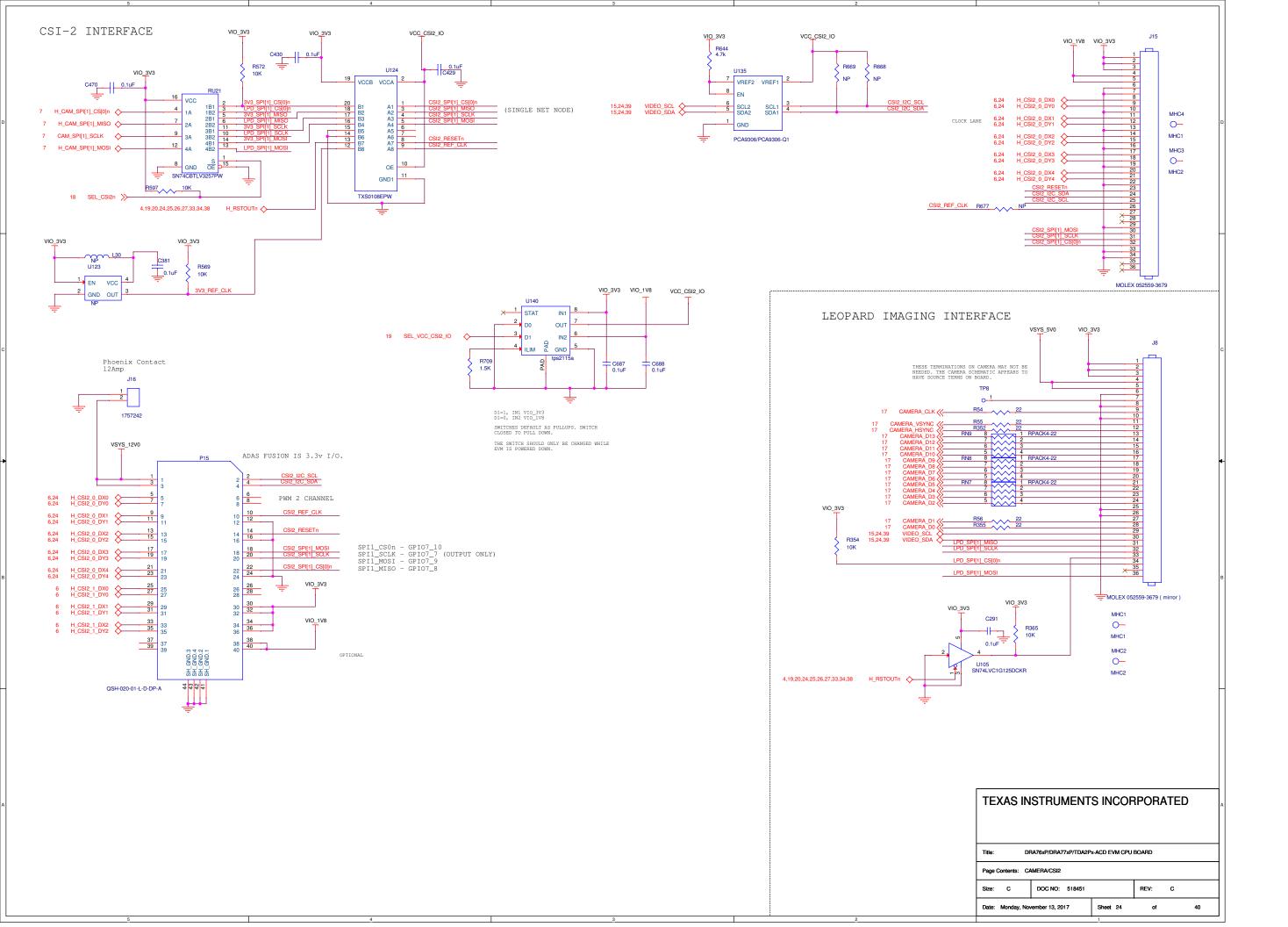


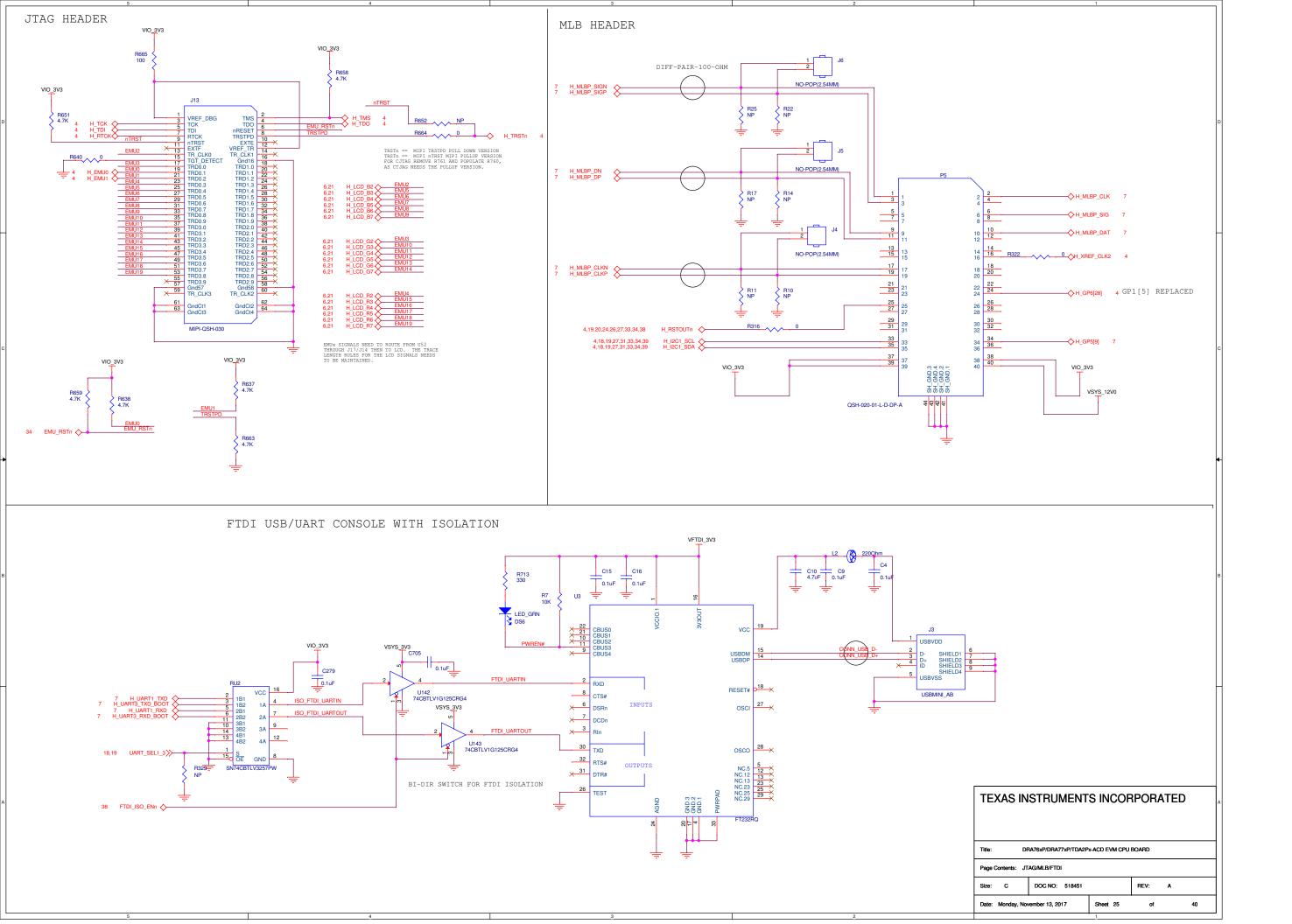


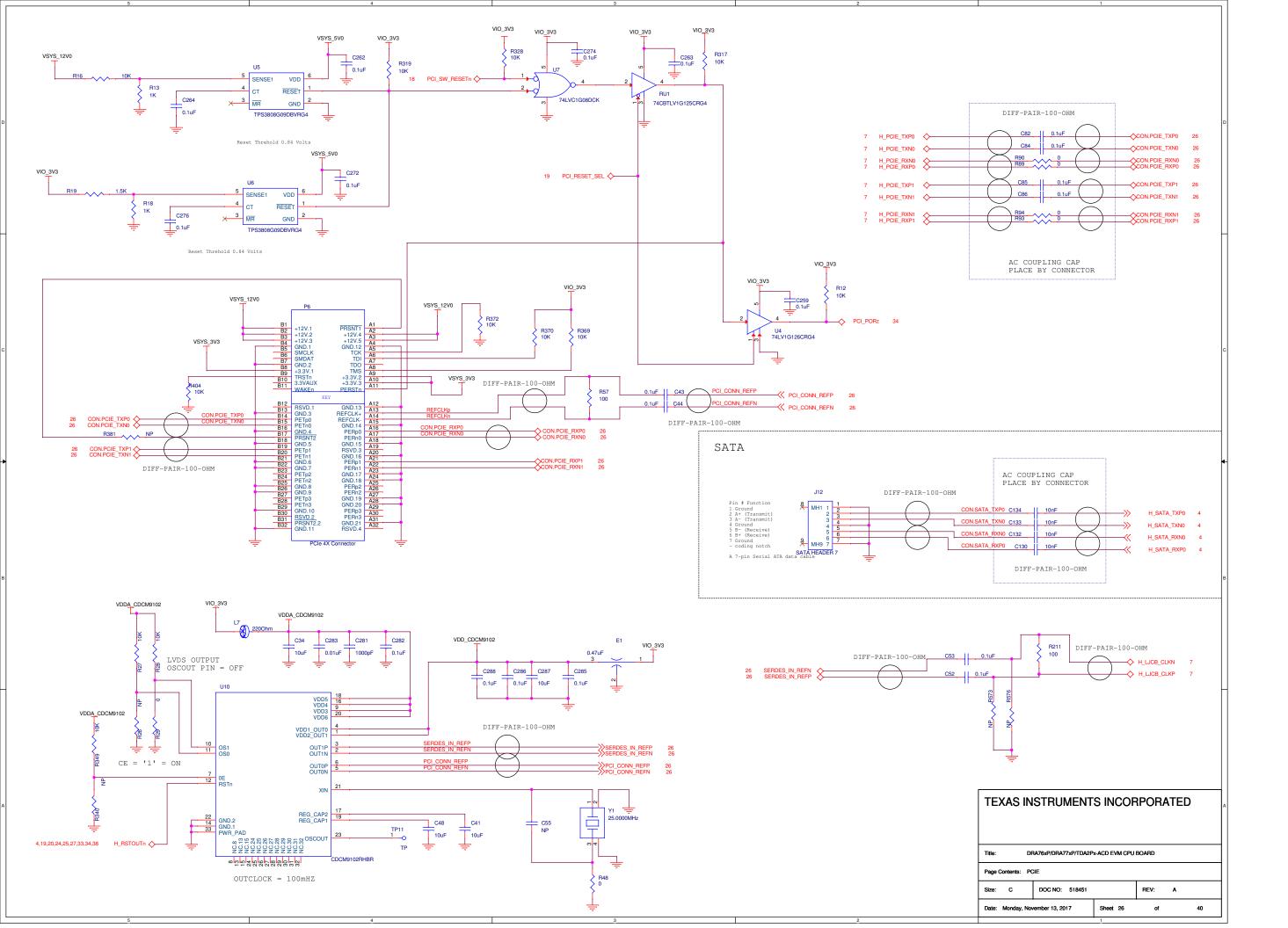


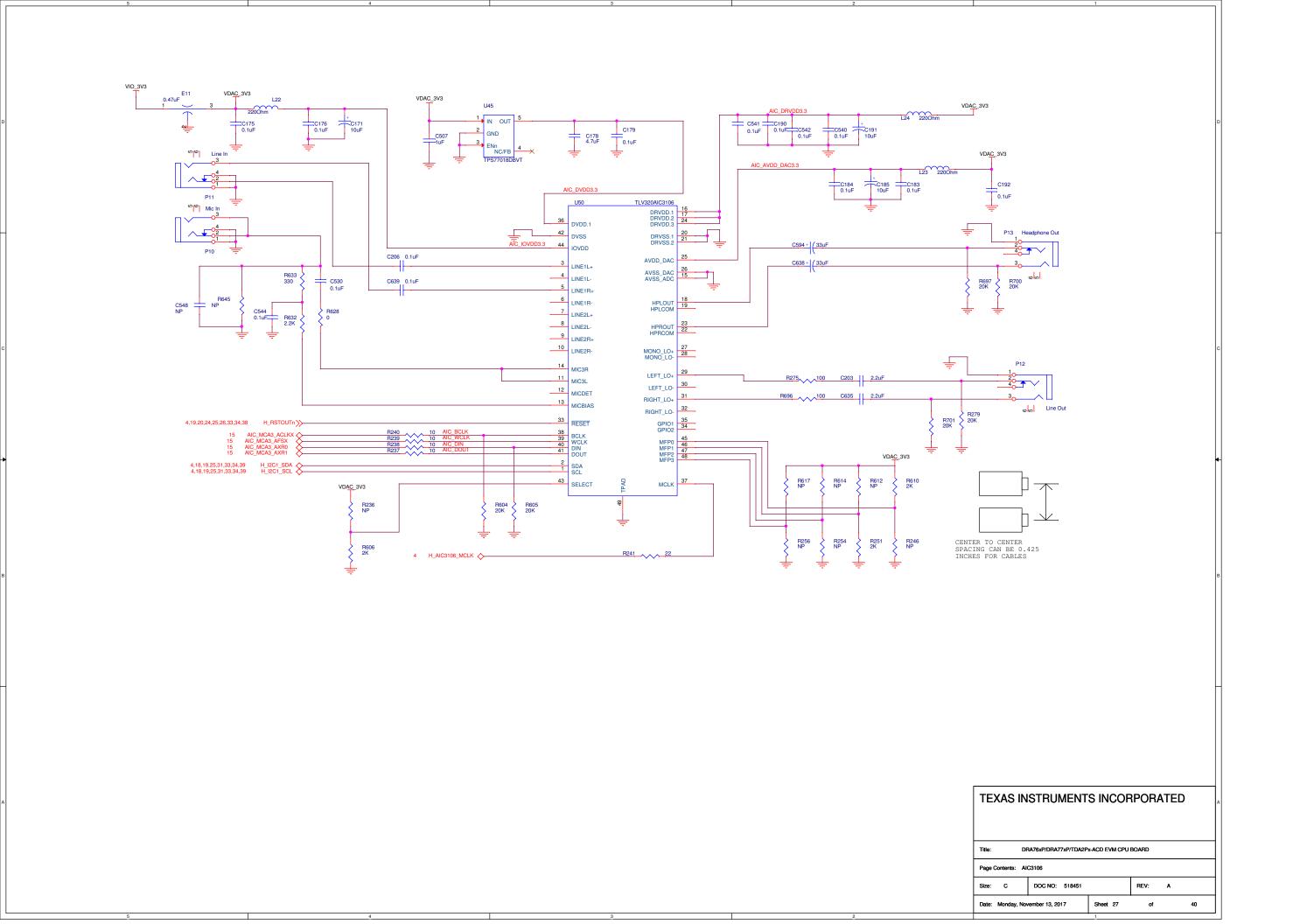


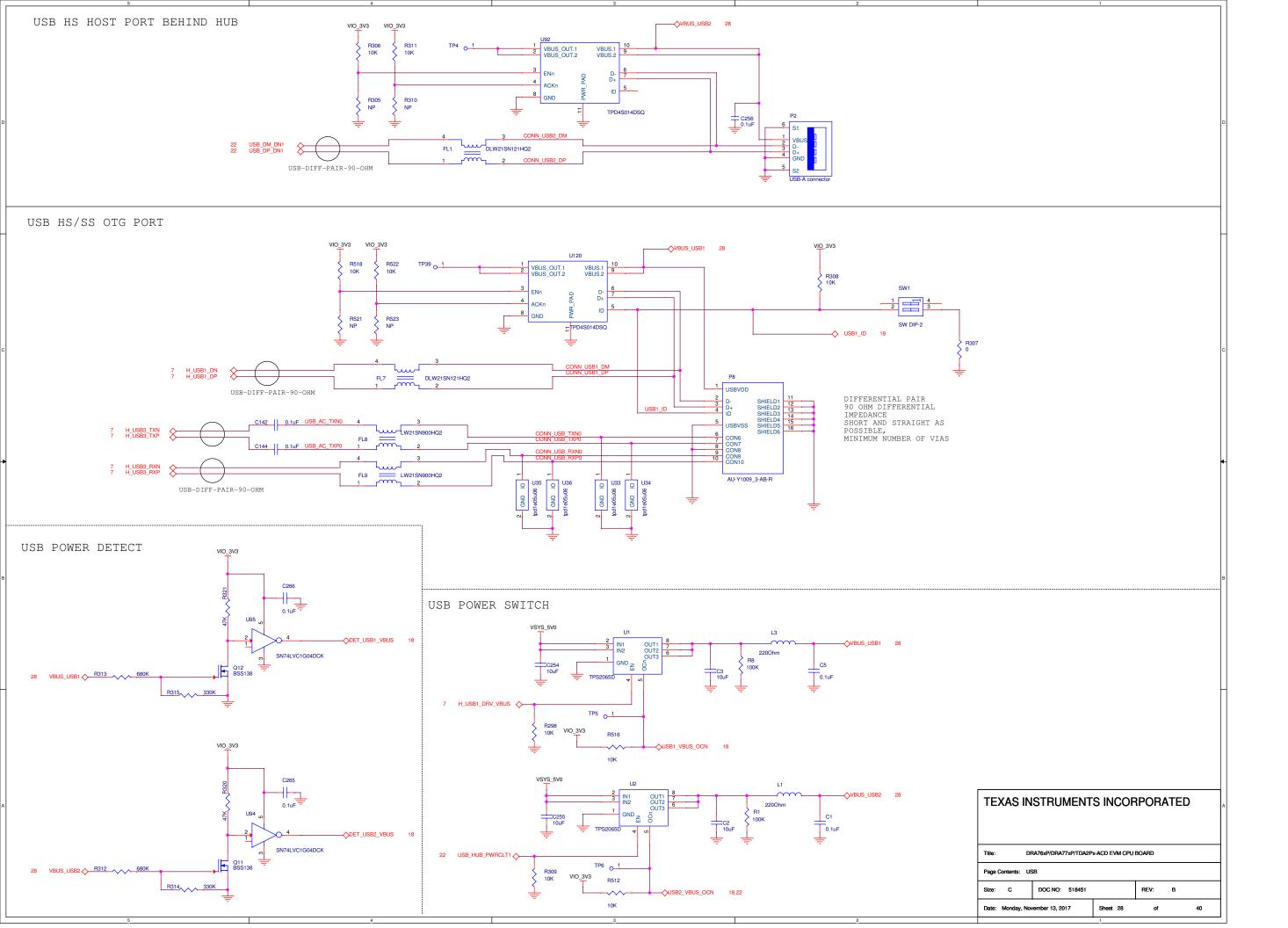


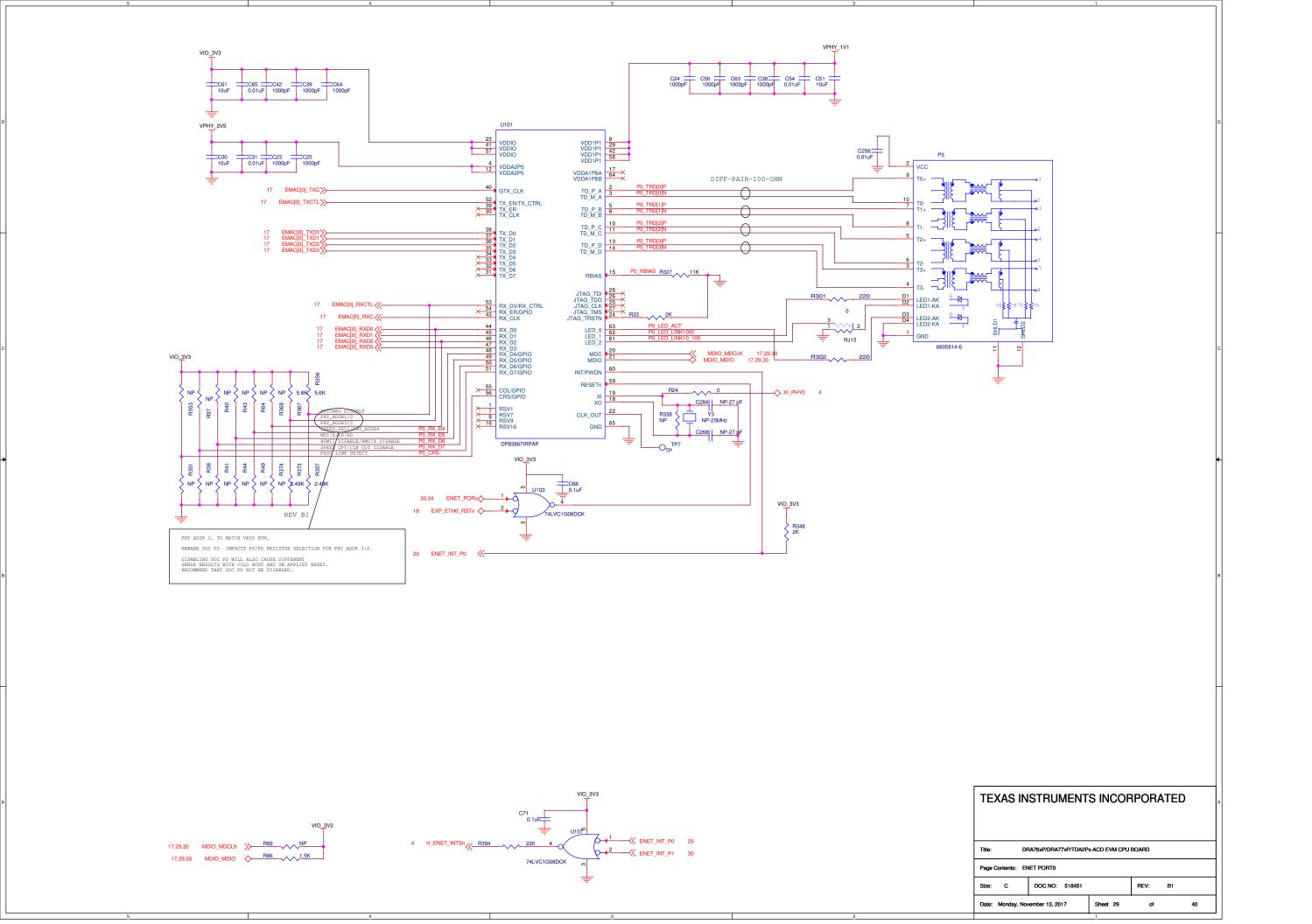


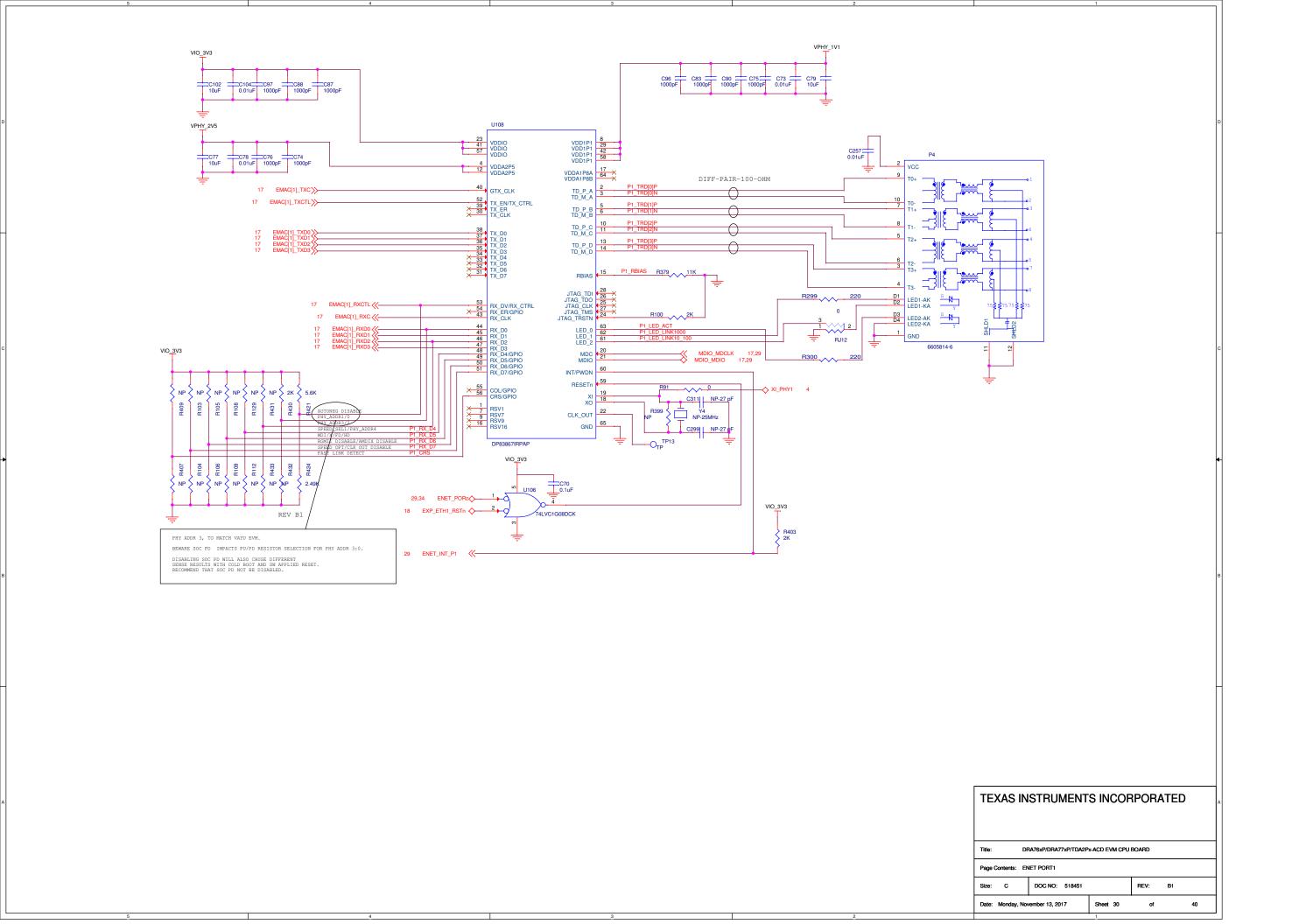


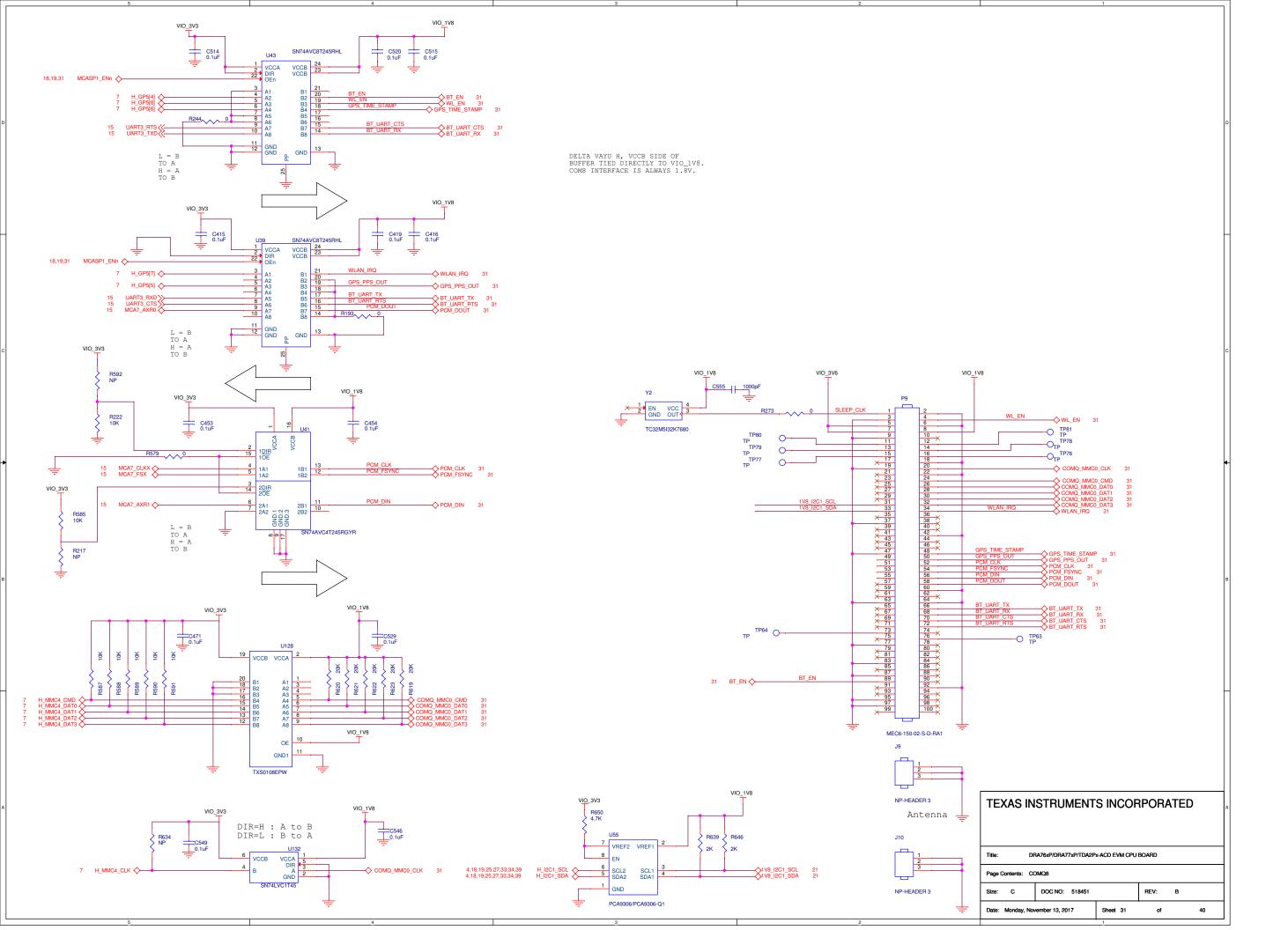


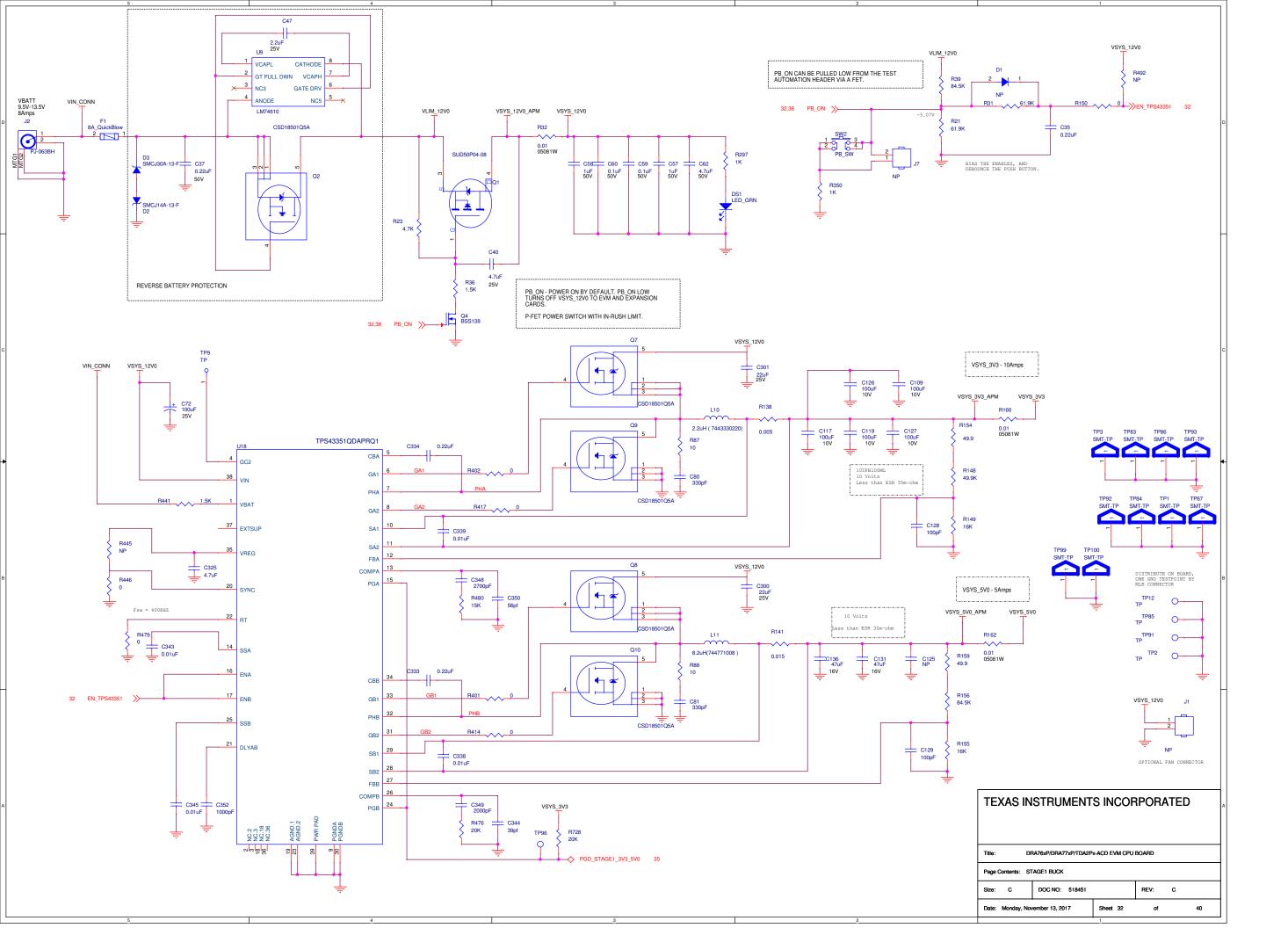


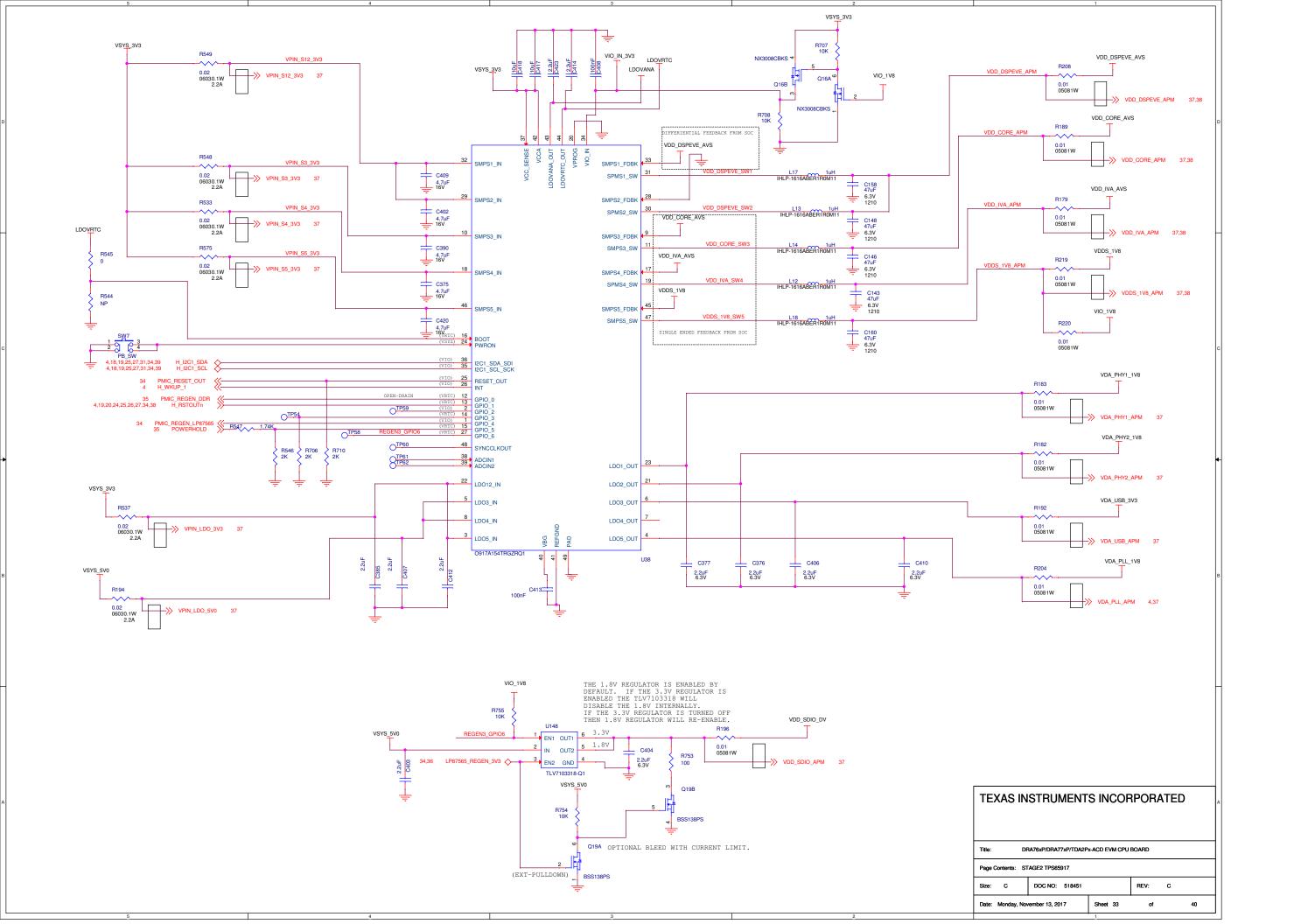


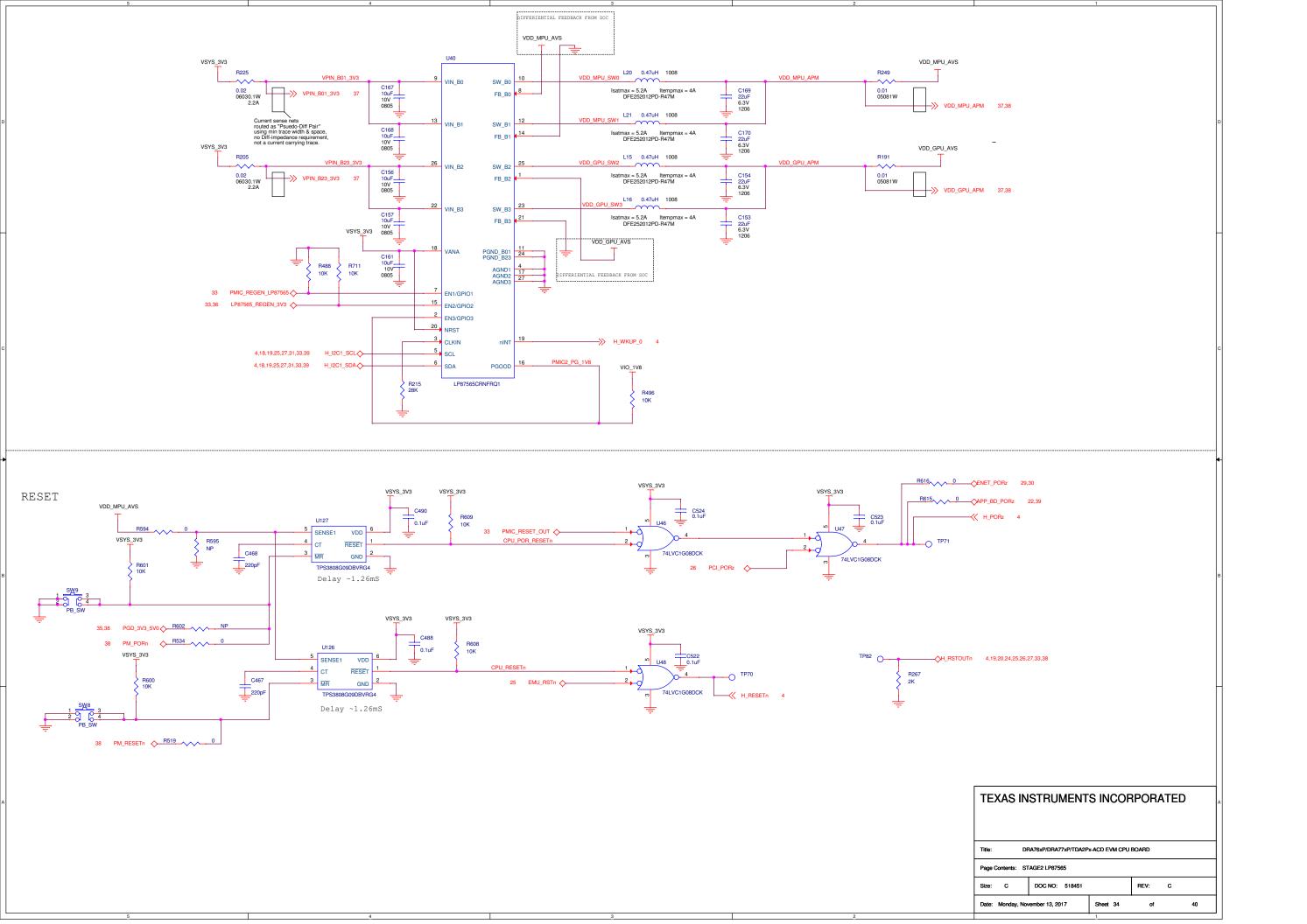


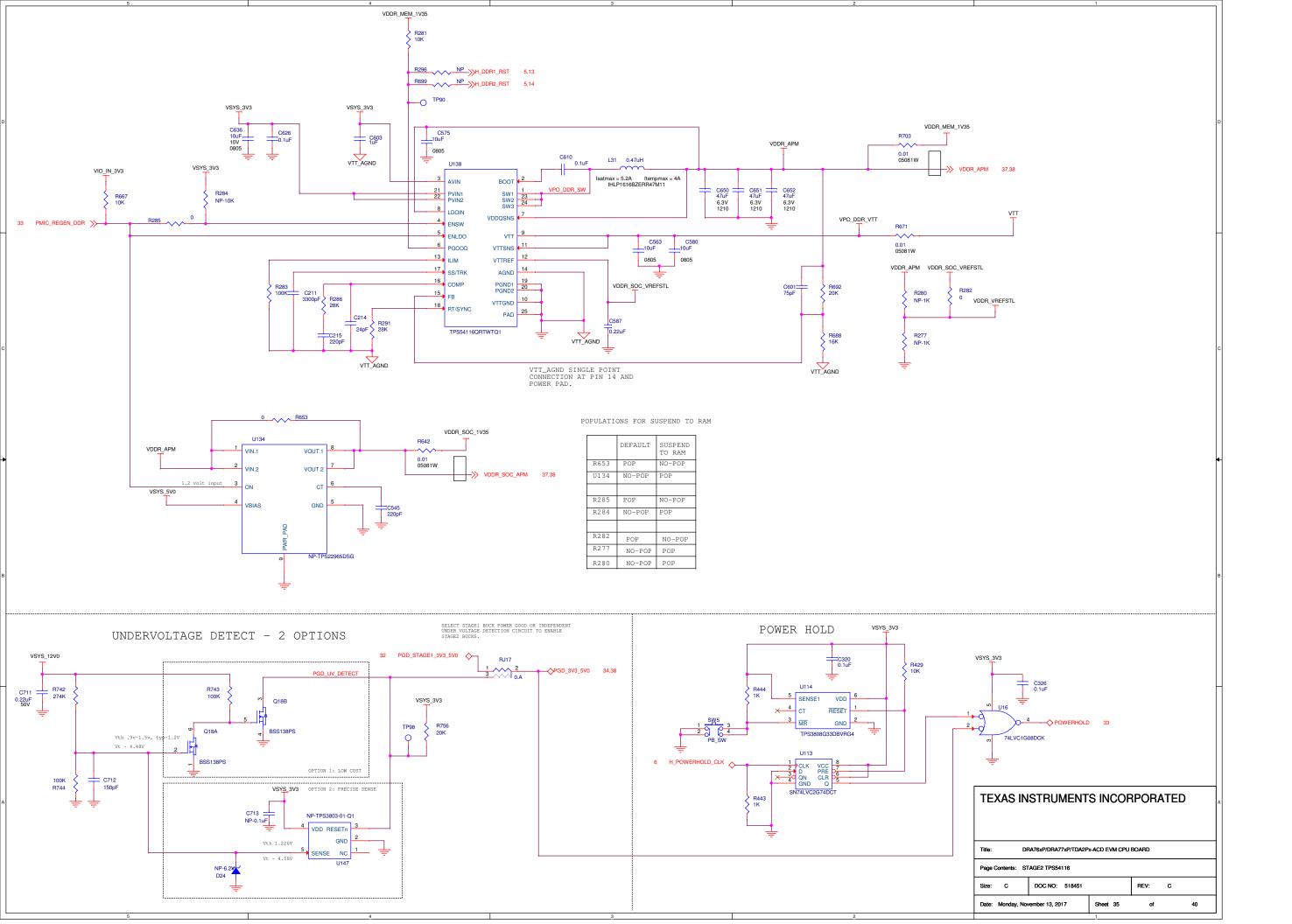


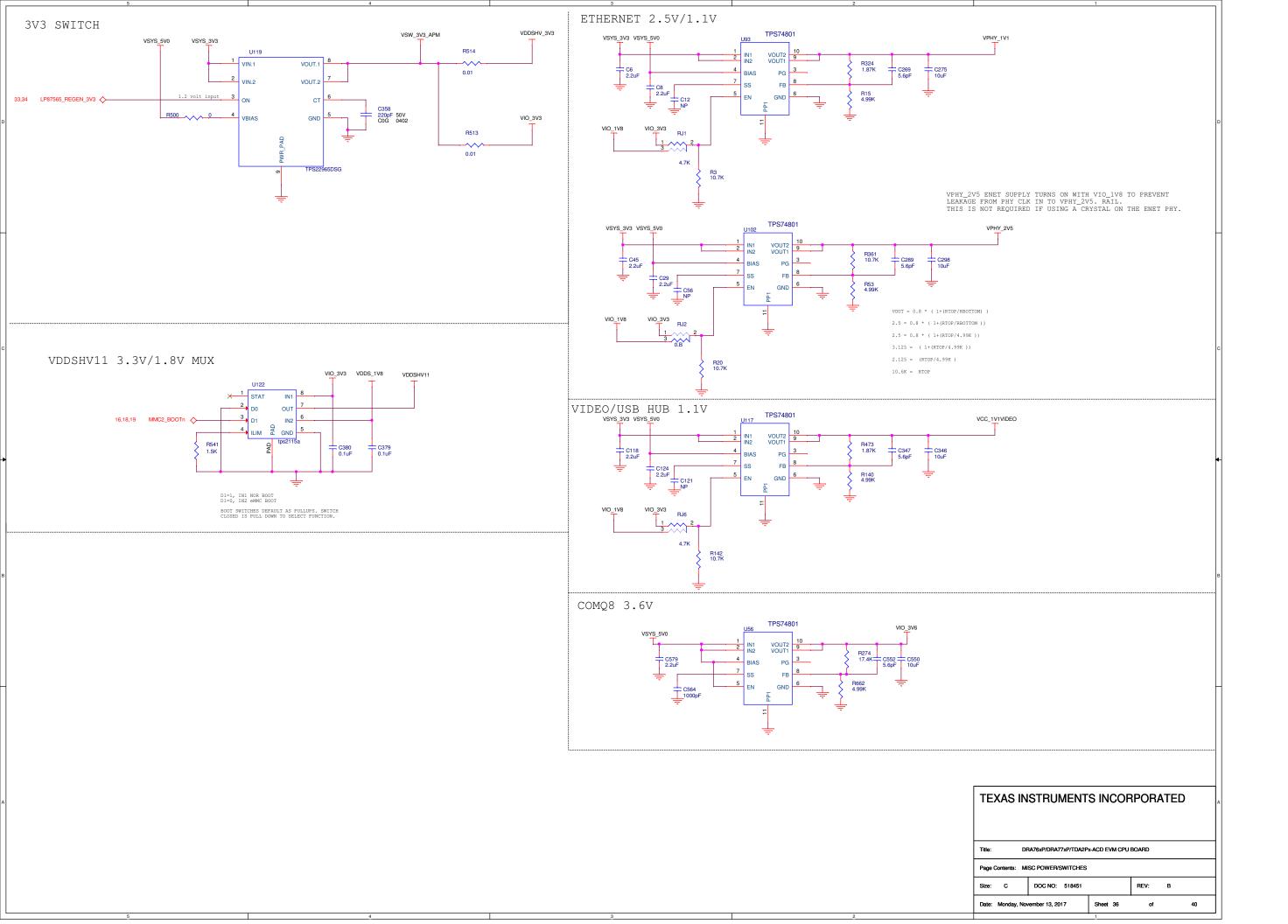


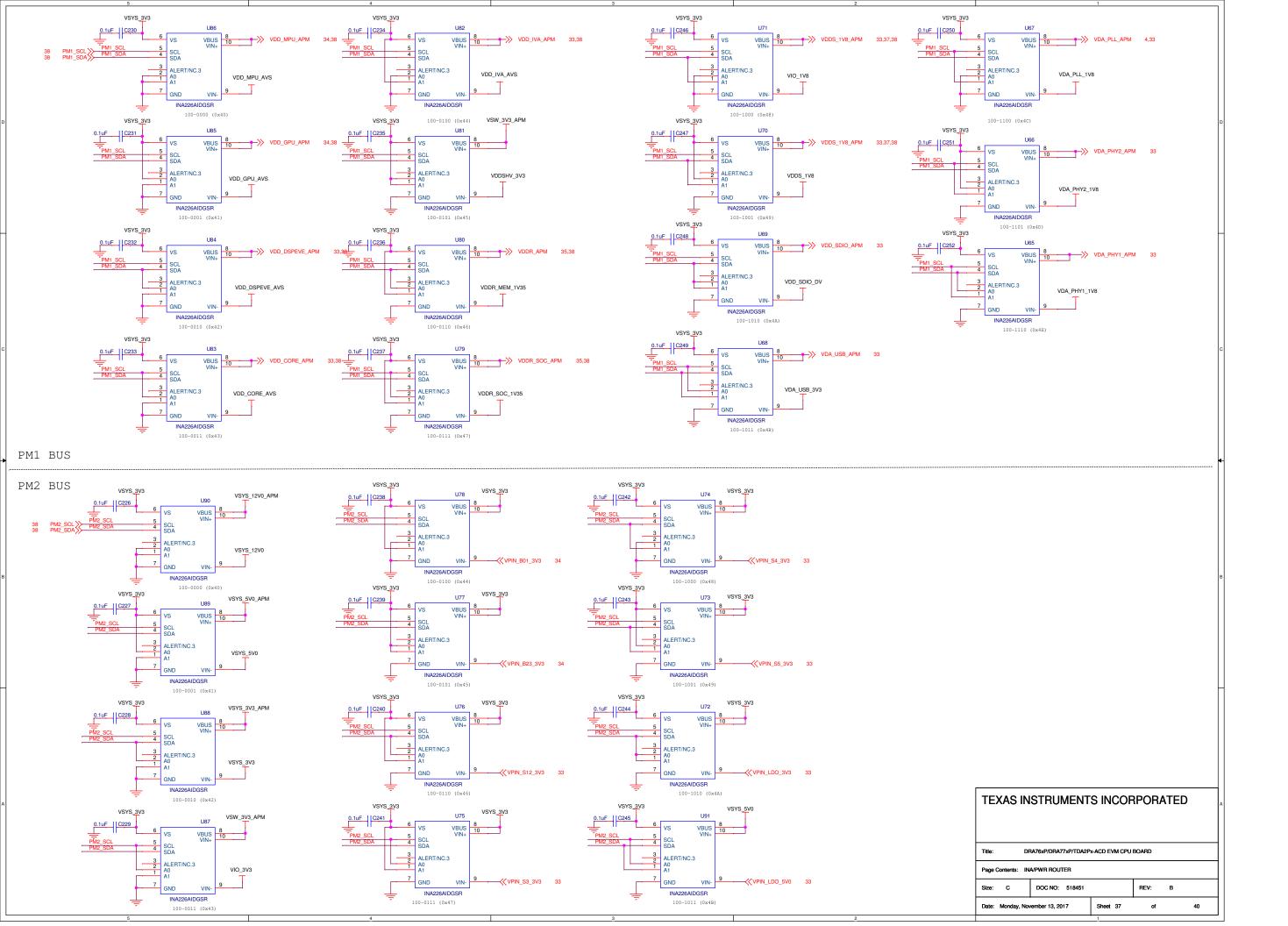


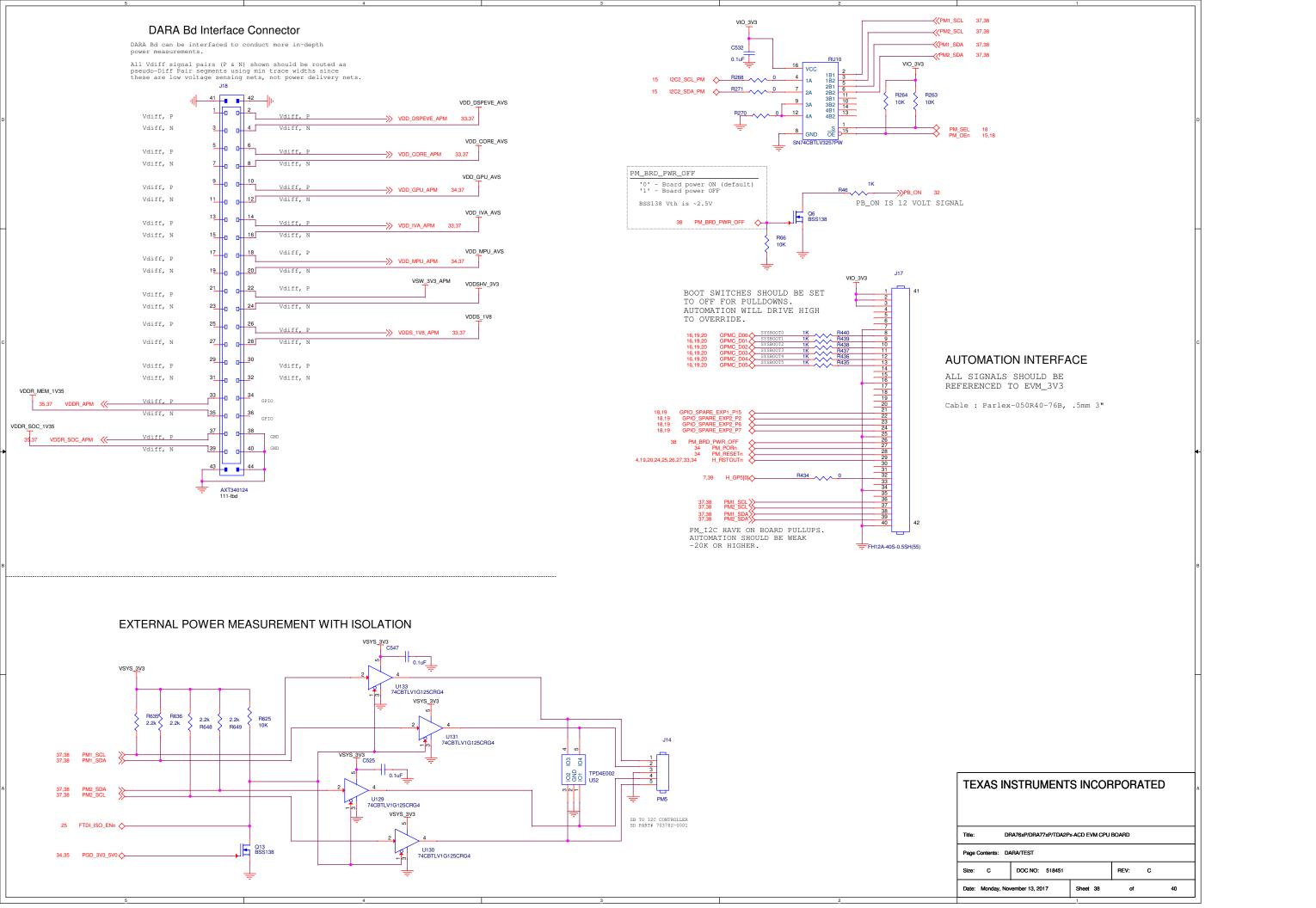


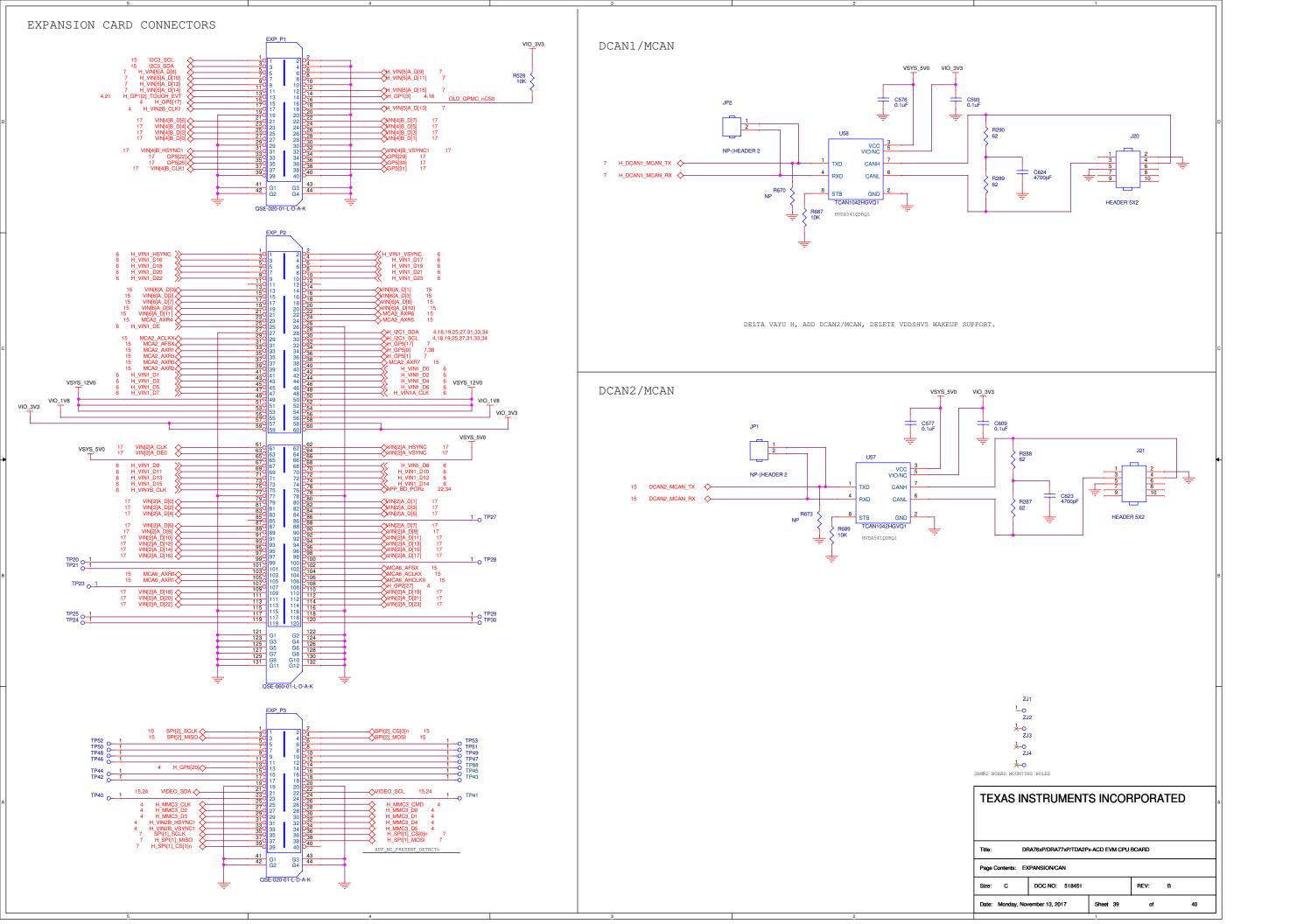








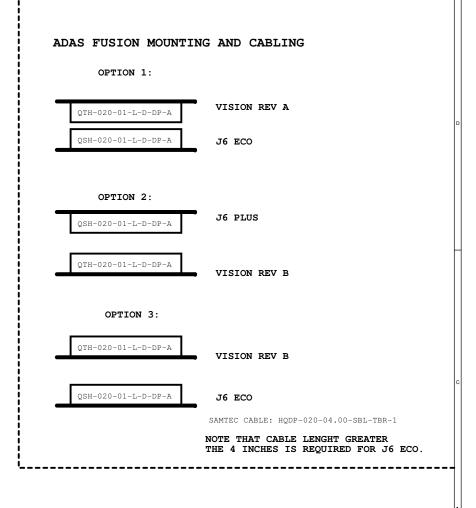


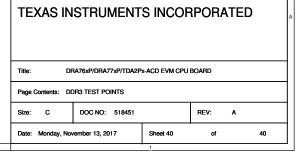


This section is an outline of vias labeled as Testpoints in the schematic. This allows us to determine pwb line lengths for memory to memory and CPU to memory it is purely a visibility tool no actual "component" is used the vias are just replaced with a via that is labeled a test point

MEMORY 1 MEMORY 2 MEMORY 3 MEMORY 4

		1 O TP2MA15	1 TP2MB1
,14 H_DDR2_A0		1 O TP2MA19	1 TP2MB19
,14 H_DDR2_A1	• •	1 TP2MA20	1 TP2MB20
5,14 H_DDR2_A2	**		
,14 H_DDR2_A3	>	1_O TP2MA14	1 TP2MB14
5,14 H_DDR2_A4	>>	1 TP2MA17	1 O TP2MB17
5,14 H_DDR2_A5	>>	1 TP2MA18	1 TP2MB18
i,14 H_DDR2_A6	>>	1 TP2MA24	1 O TP2MB24
5,14 H_DDR2_A7	>>	1 O TP2MA23	1 TP2MB2
5,14 H_DDR2_A8	>	1 O TP2MA27	1 O TP2MB27
5,14 H_DDR2_A9	>	1 TP2MA21	1 TP2MB2
14 H_DDR2_A10	»	1 TP2MA7	1 TP2MB7
,14 H_DDR2_A11	»	1 TP2MA22	1 TP2MB22
14 H_DDR2_A12		1 TP2MA16	1 TP2MB16
14 H_DDR2_A13	**	1 O TP2MA26	1 TP2MB26
14 H_DDR2_A14		1 TP2MA25	1 TP2MB25
14 H_DDR2_A15	**	1 TP2MA12	1 O TP2MB12
14 H_DDR2_BA0		1 TP2MA10	1 TP2MB10
14 H_DDR2_BA1	••	1 TP2MA13	1 TP2MB13
	**	1 TP2MA11	1 TP2MB1
14 H_DDR2_BA2	**	1_0 TP2MA2	1 TP2MB2
H_DDR2_RASN		1 TP2MA6	1 TP2MB6
H_DDR2_CASN	**	1_0 TP2MA9	1 TP2MB9
4 H_DDR2_WEN	»		
H_DDR2_ODT0	>>	1_O TP2MA3	1 TP2MB3
4 H_DDR2_CKE	» 	1_O TP2MA1	1 O TP2MB1
H_DDR2_CSN0	>>	1 TP2MA8	1 O TP2MB8
H_DDR2_CLK_P	>>	1 O TP2MA4	1 O TP2MB4
	>>	1 TP2MA5	1 TP2MB5





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