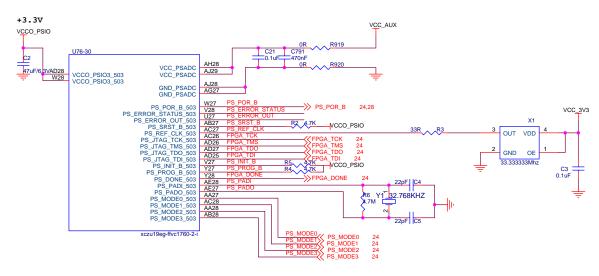
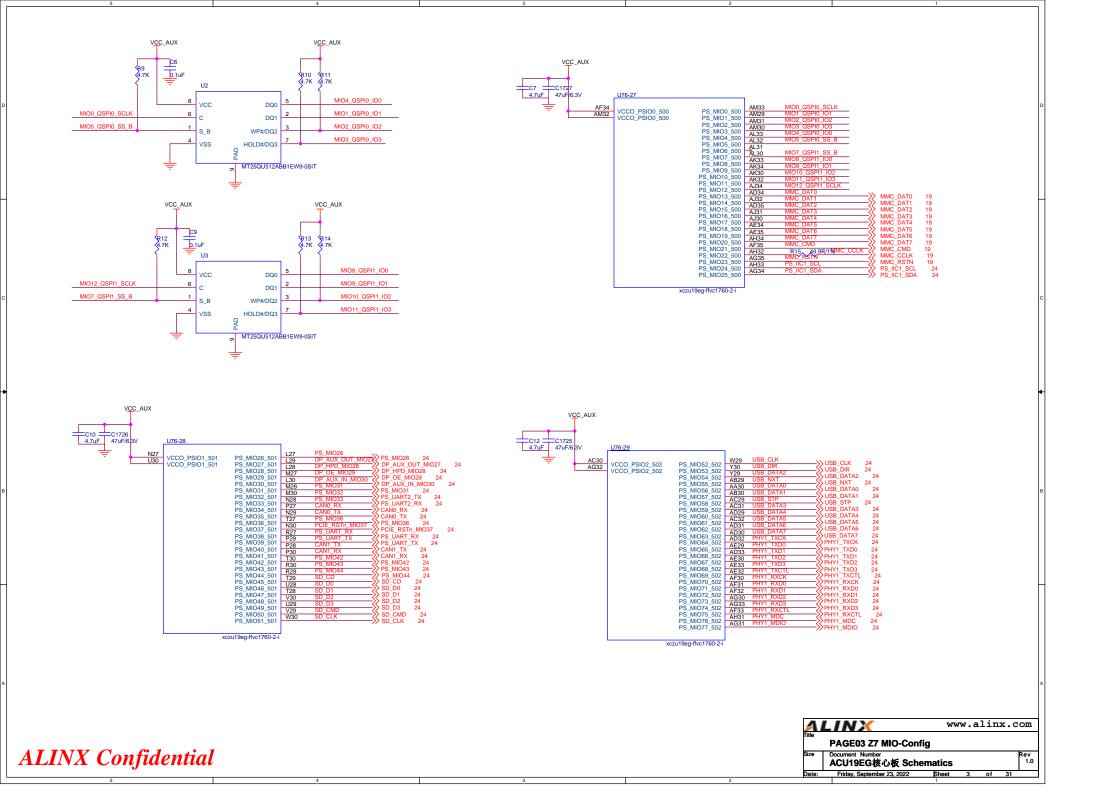
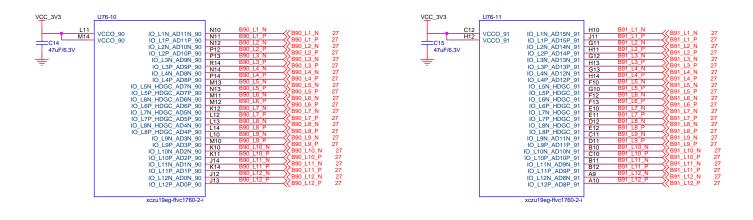


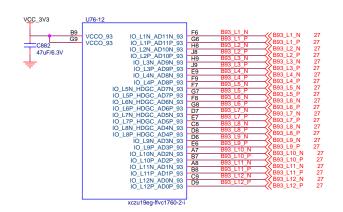
MODE[3:0] BOOT MODE Descritpion

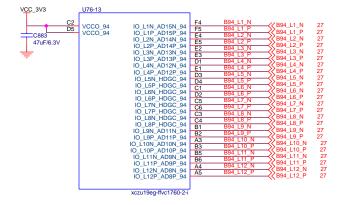
0000	PS JTAG	PS JTAG Interface
0001	Quad_SPI(24b)	24-Bit addresssing(QSPI24)
0010	Quad_SPI(32b)	32-Bit addresssing(QSPI32)
0011	SD0(2.0)	SD2.0
0101	SD1(2.0)	SD2.0
0110	eMMC(1.8V)	eMMC version 4.5 at 1.8V
0111	USB0(2.0)	USB 2.0 only
1110	SD1 LS(3.0)	SD 3.0

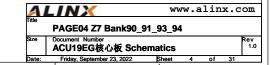


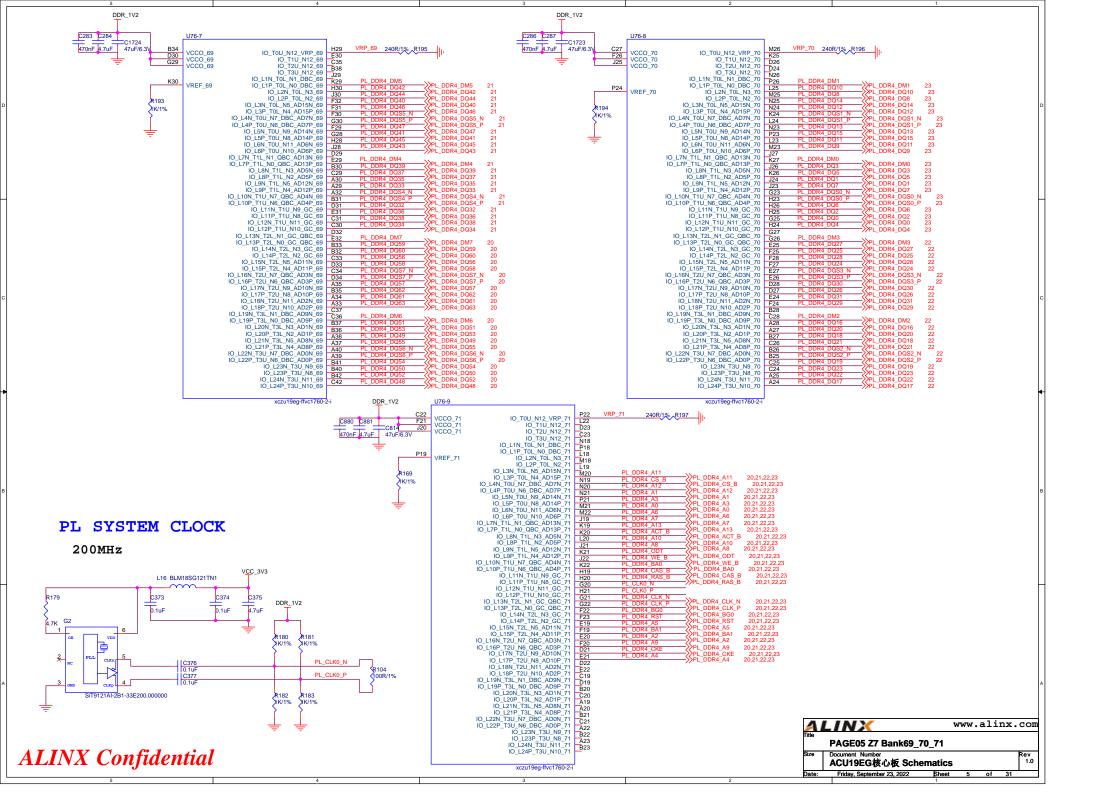


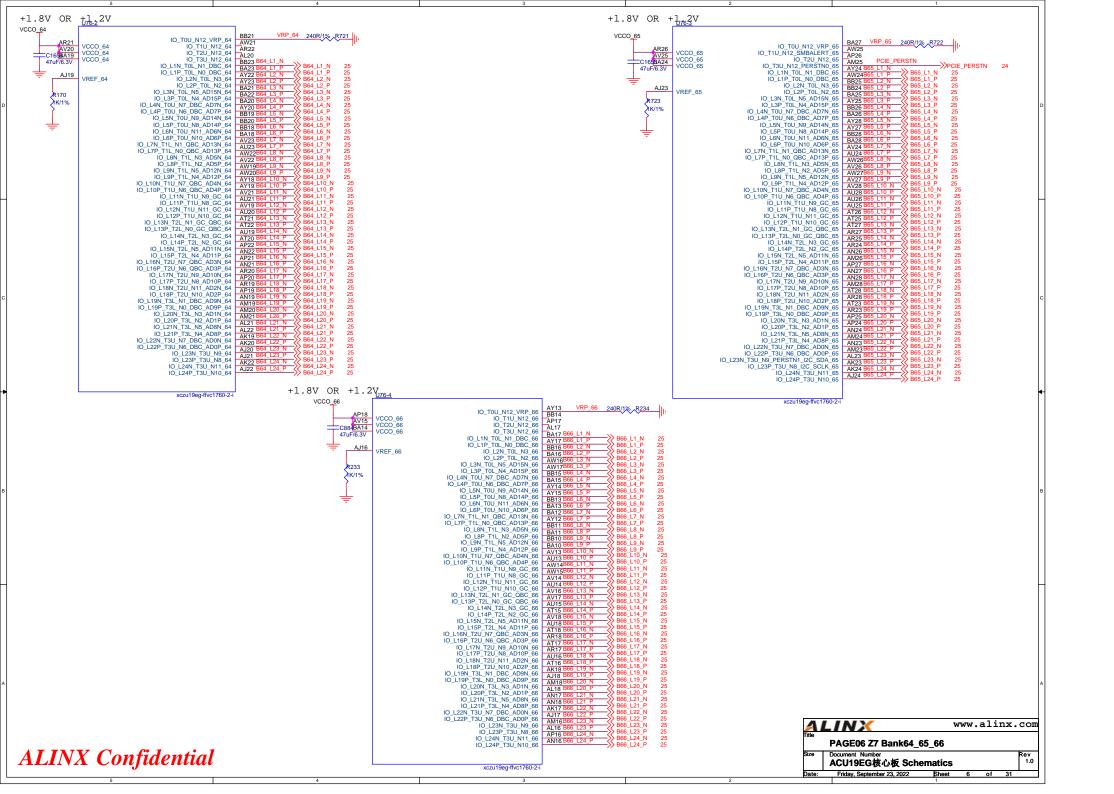


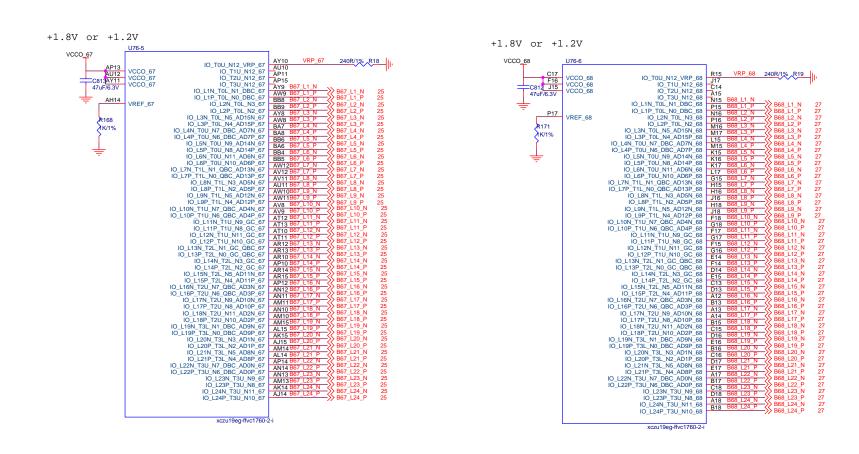


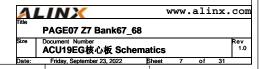


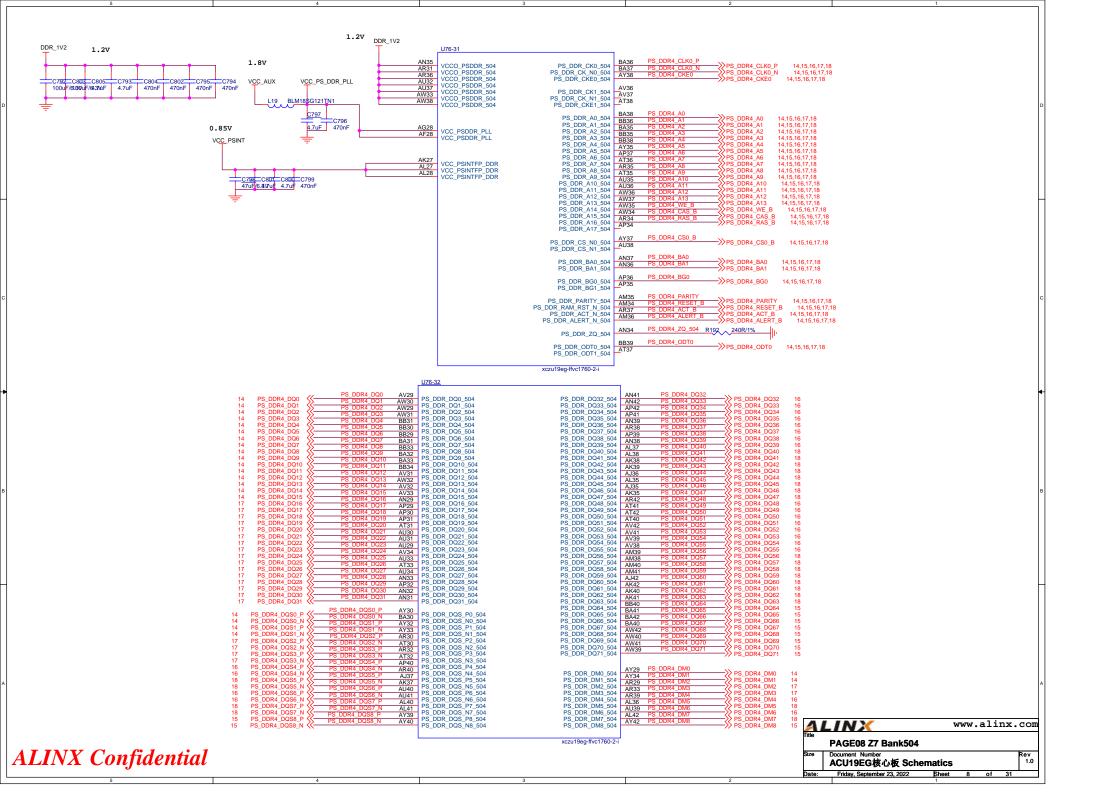


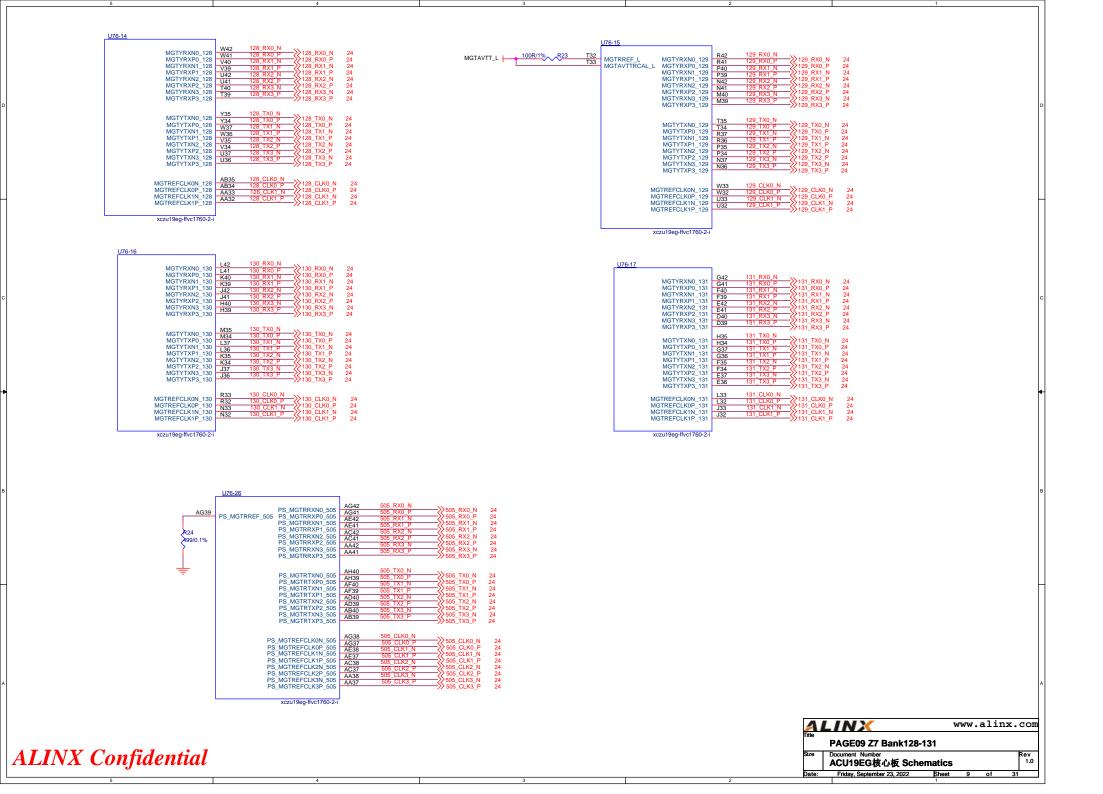


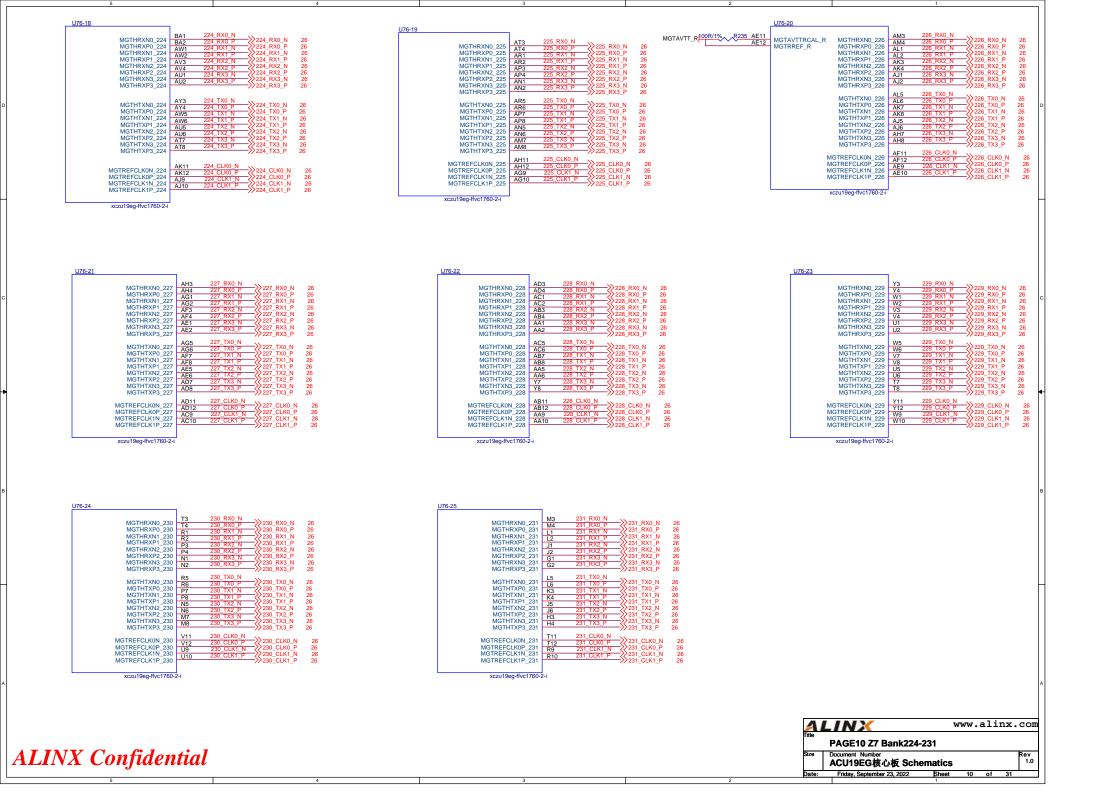


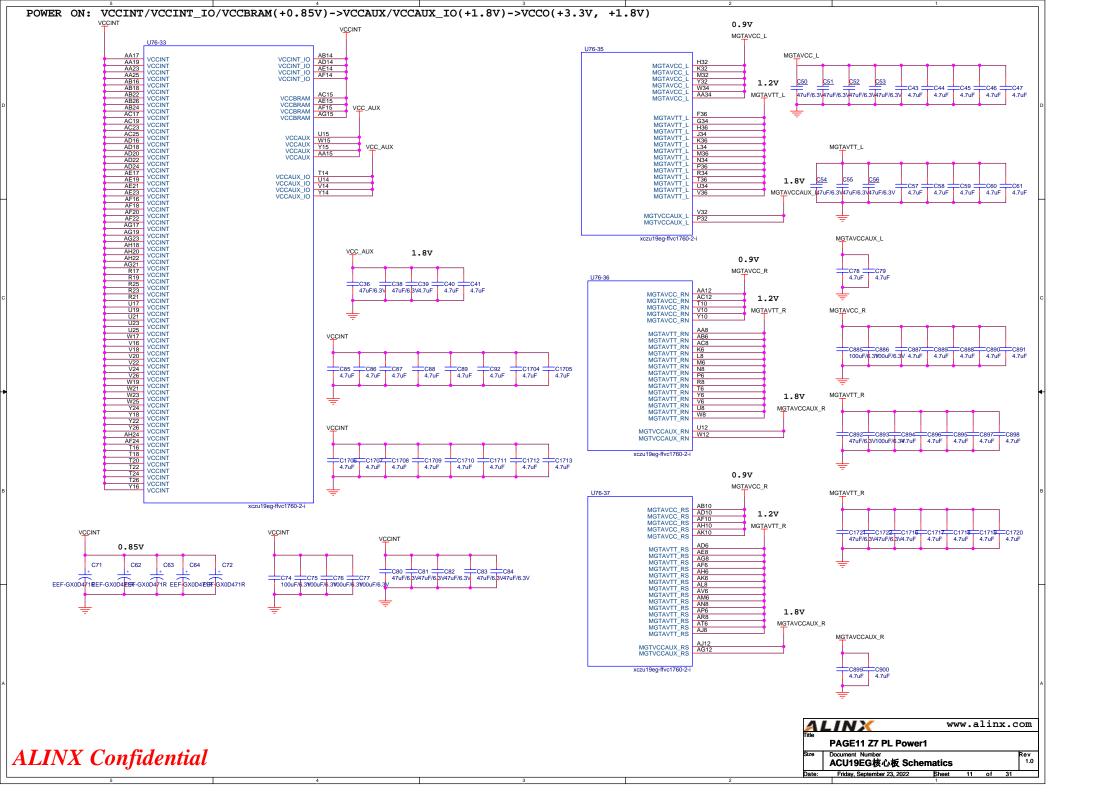






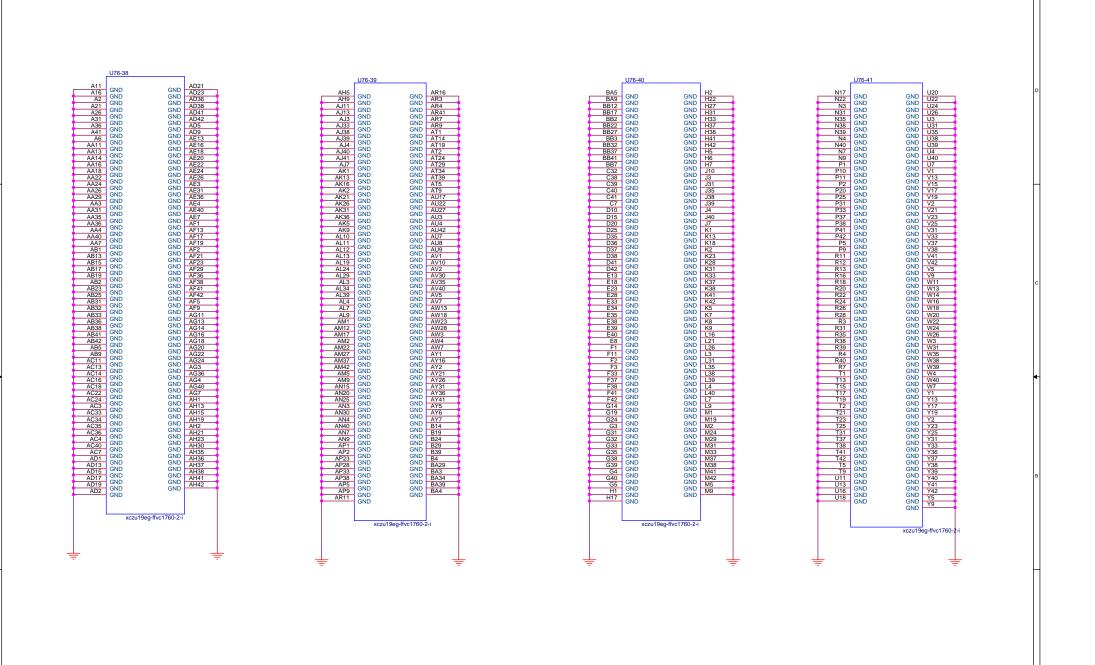




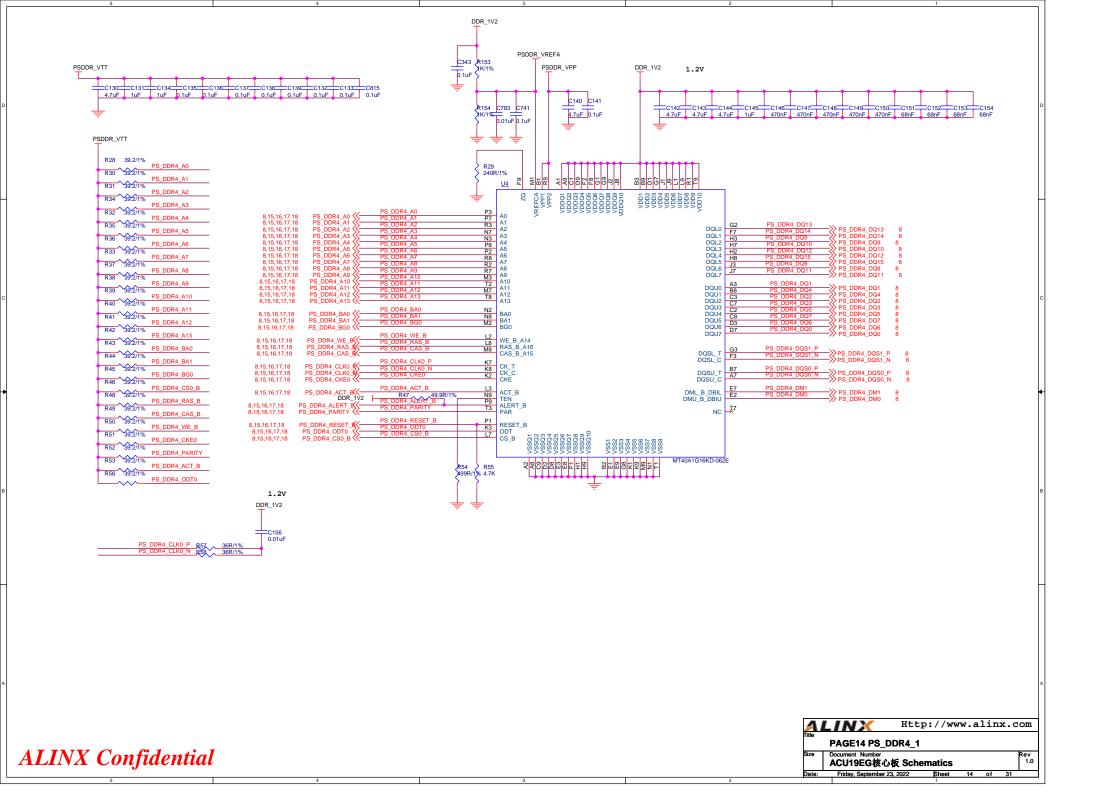


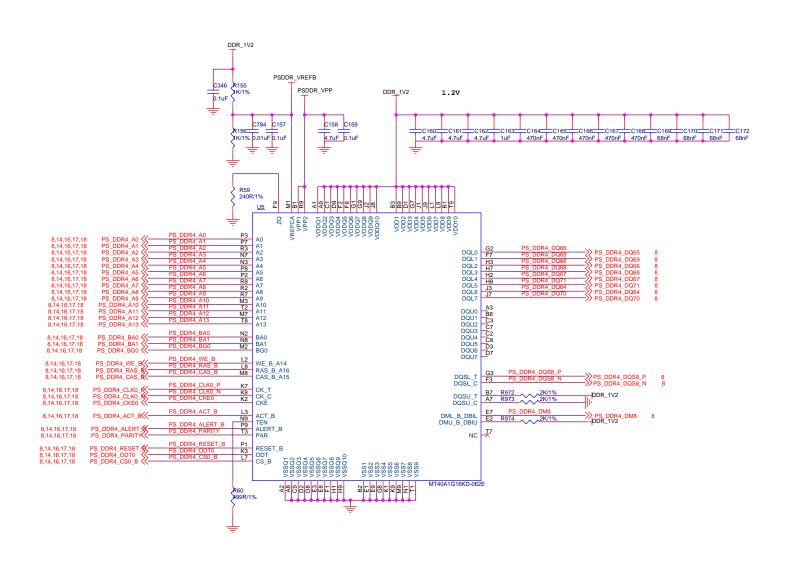
POWER ON: VCC_PSINTFP_VCC_PSINTFP_DDR(+0.85V)->VPS_MGTRAVCC(+0.9V), VCC_PSDDR_PLL(+1.8V)->VPS_MGTRAVTT(+1.8V), VCCO_PSDDR() POWER ON: VCC_PSINTLP(+0.85V)->VCC_PSAUX(+1.8V), VCC_PSADC(+1.8V), VCC_PSPLL(+1.2V)->VCCO_PSIO(+1.8V) 0.85V 1.8V VCC_PSINT VCC_PSINT U76-34 VCC_AUX VCC_AUX PS_PLL for VCC_PSINTLP for VCC_PSAUX 1.2V VCC_PSAUX VCC_PSAUX VCC_PSAUX VCC_PSAUX VCC_PSAUX C104 C105 C107 100uF/6.3V 100uF/6.3V 4.7uF PS_PLL C121 100uF/6.3V 4.7uF 100uF/6.3¥.7uF 4.7uF VCC_PSPLL VCC_PSPLL VCC_PSPLL AF27 PS_AVCC PS_MGTRAVCC PS_MGTRAVCC PS_MGTRAVCC PS_AVTT PS_AVTT PS_AVCC 1.8V 0.85V 0.85V PS_MGTRAVTT PS_MGTRAVTT PS_MGTRAVTT VCC_PSINT for VCC_PSINTFP C93 4.7uF C95 C96 470nF 470nF C94 4.7uF VBAT_IN C108 C109 C110 C115 100uF/6.3V 100uF/6.3V 100uF/6.3V 4.7uF VCC_PSBATT 4.7uF 4.7uF 4.7uF xczu19eg-ffvc1760-2-i ALINX www.alinx.com PAGE12 Z7 PS Power2 ALINX Confidential Rev 1.0 ACU19EG核心板 Schematics

Friday, September 23, 2022



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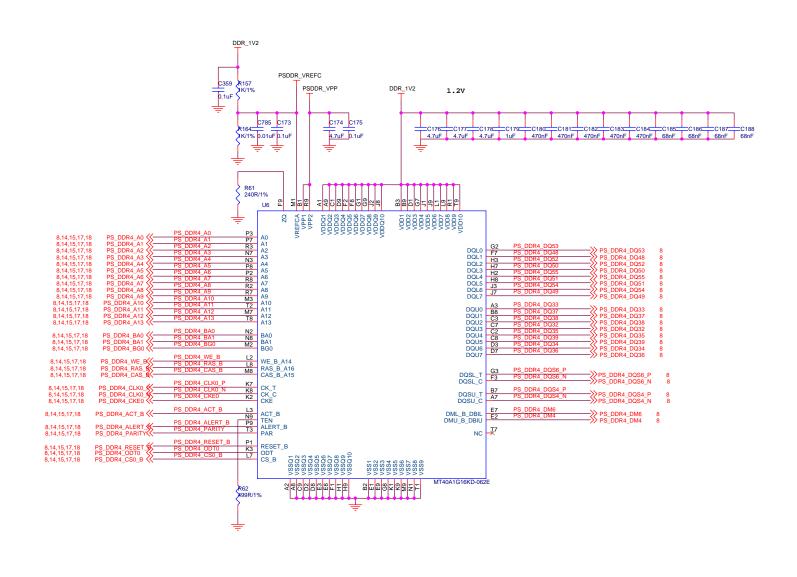


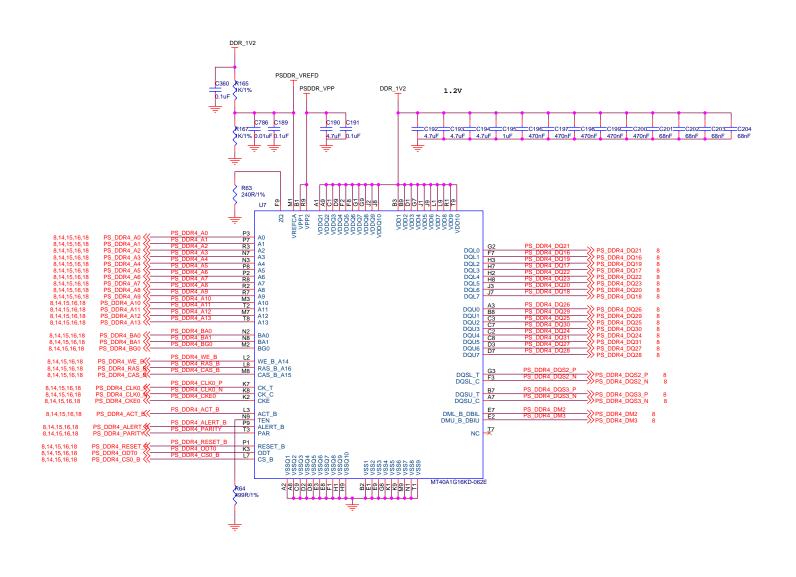


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Date: Friday, September 23, 2022 Sheet 15 of 31

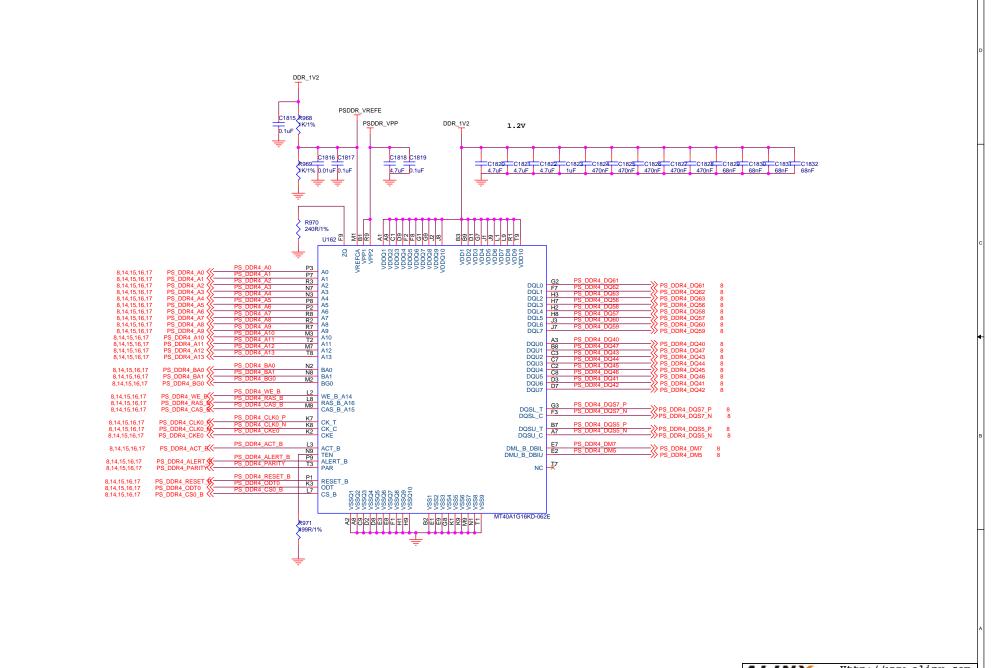




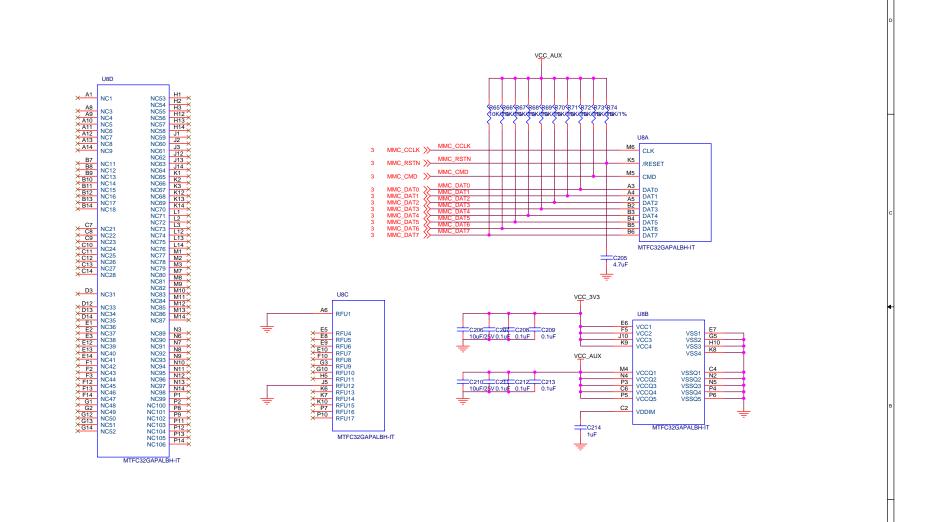
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PAGE17 PS_DDR4_4

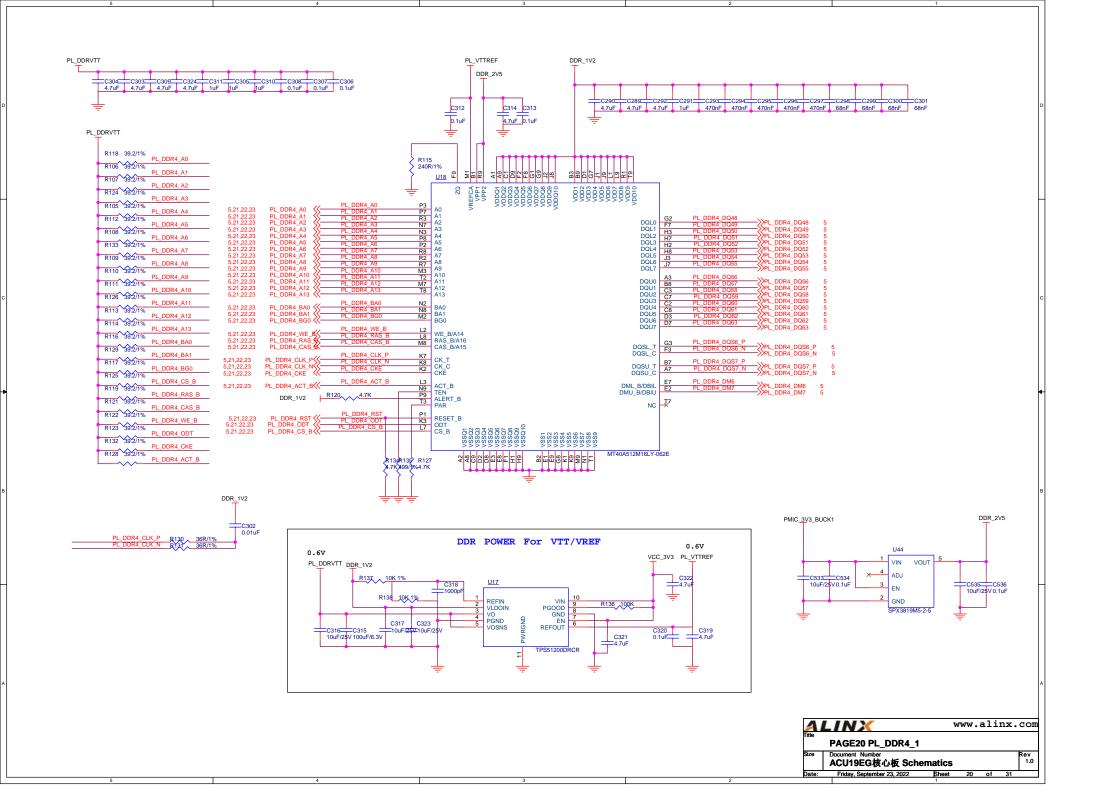
Size Document Number ACU19EG核心板 Schematics
Date: Friday, September 23, 2022 Sheet 17 of 31

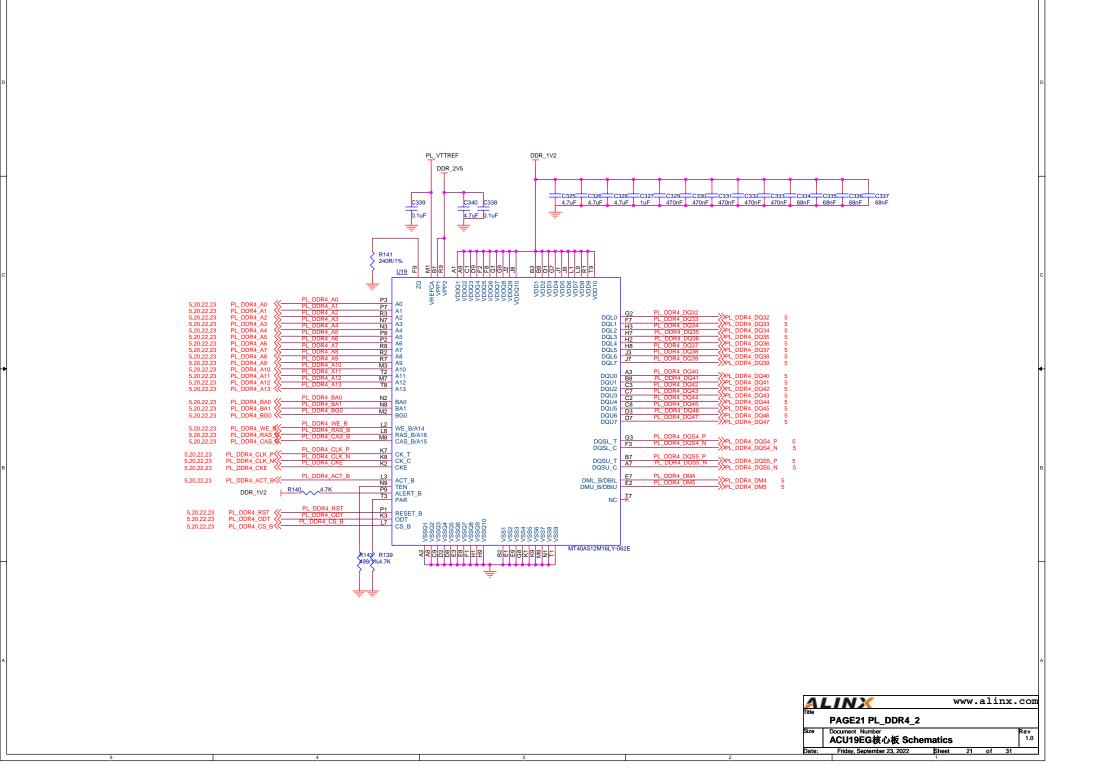


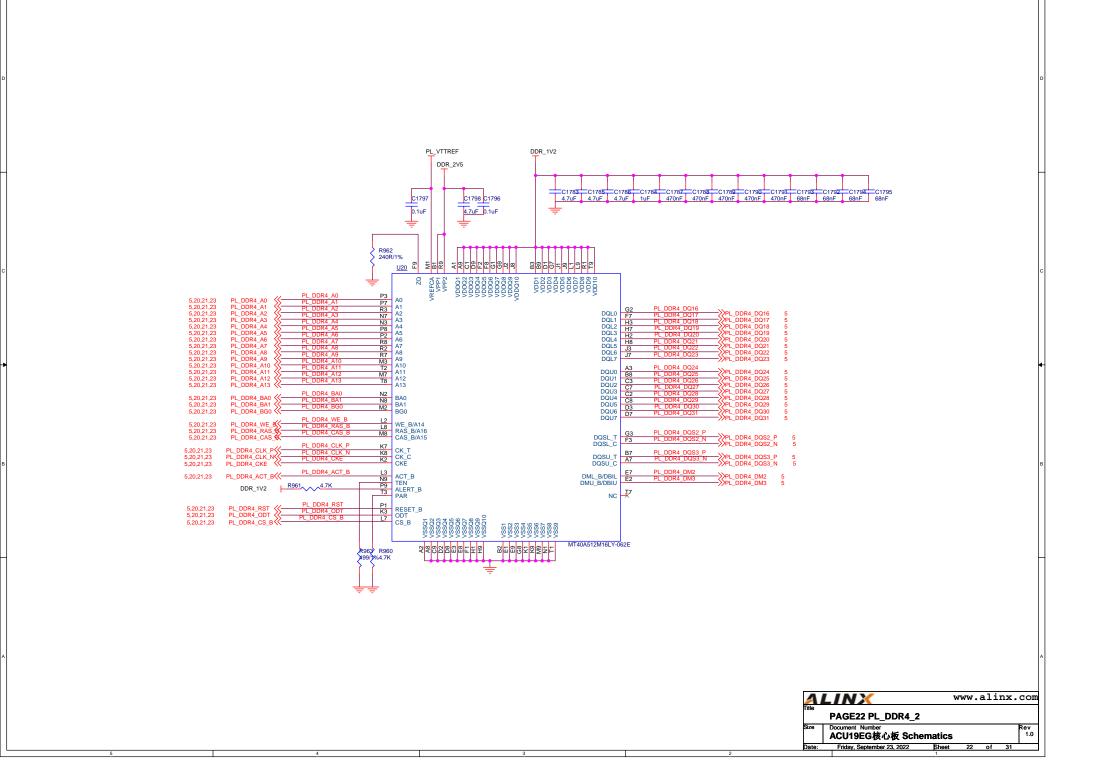
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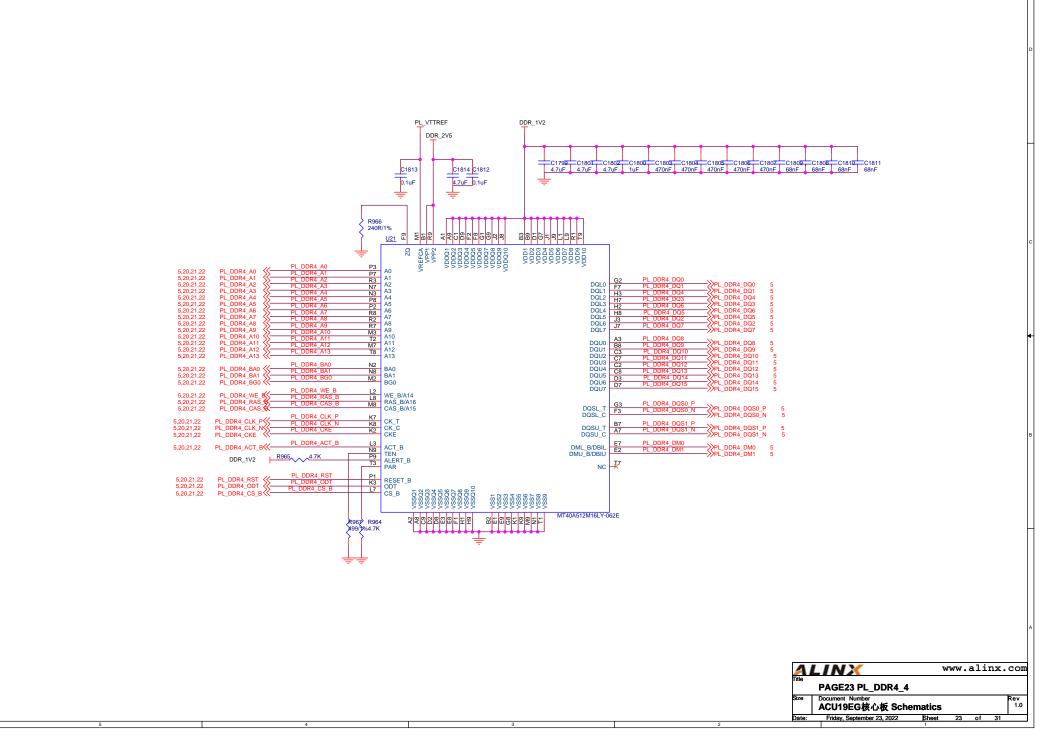


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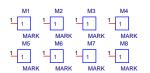


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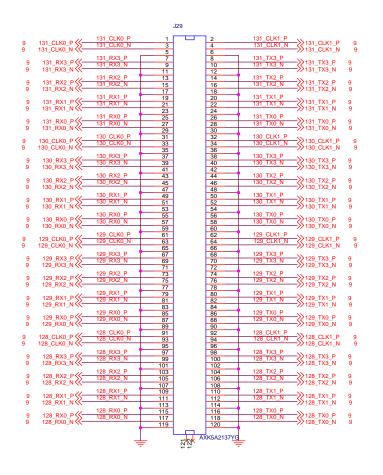
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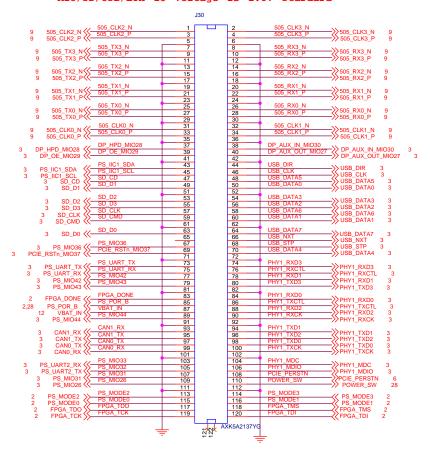
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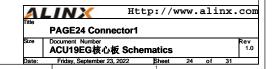
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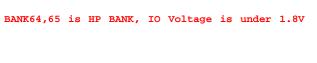


MIO/SD/USB/ETH IO Voltage is 1.8V Stardard



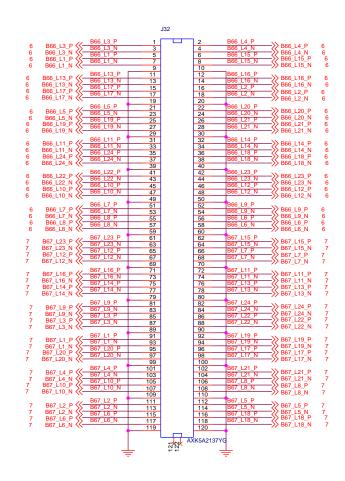


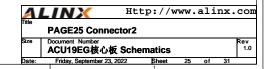


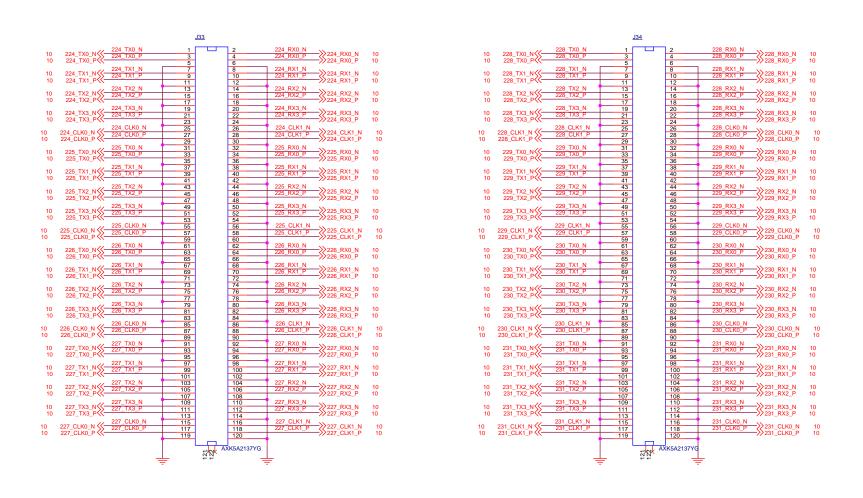


BANK66 67 is HP BANK, IO Voltage is under 1.8V

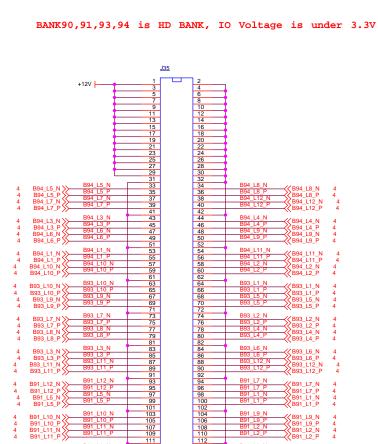
			J31			
	B65_L10_N \(\frac{\text{B65_L10_N}}{\text{B65_L10_P}} \)	1		2	B65_L18_N >>> B65_L18_N	6
	B65_L10_P	3		4		6
	B65_L16_N	5		6		6
	B65_L10_P B65_L16_N B65_L16_P	7		8	B65_L15_P	6
		9		10	>>> B65_L15_P	0
	B65_L13_N SB65_L13_N B65_L13_P	11		12	B65_L9_N \\ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	B65_L13_N \\ B65_L13_P	13		14	B65_L9_P >> B65_L9_N	6
	B65 I 5 N	15		16	B65_L12_N >> B65_L9_P	6
6	B65_L5_N \\ B65_L5_P	17		18	B65 L12 P >> B65_L12_N	6
6	B65_L5_P <<	19		20	>>> B65_L12_P	6
	,,B65 L8 N	21		22	B65_L11_N 、、	
3	B65_L8_N \(\int \frac{\text{B65_L8_N}}{\text{B65_L8_P}} \)	23		24	B65_L11_P >> B65_L11_N	6
6	B65_L8_P \\ B65_T20_N	25		26	B65 16 N /> B65_L11_P	6
	D00_L2U_IN \\ R65 20 P	27		28	B65_L6_P >> B65_L6_N	6
	B65_L20_P <<	29		30	>>> B65_L6_P	6
	R65 L4 N	31		32	B65 L14 N \\	
3	B65_L4_N SB65_L4_P	33		34	B65 114 P >> B65_L14_N	6
6		35		36	B65_L3_N >> B65_L14_P	6
6	B65 L2 N (B65 L2 P	37		38	B65_L3_P	6
6	B65_L2_P B65_L2_P	39		40	>> B65 L3 P	6
	R65 L7 N	41		42	B65_L1_N	
6	B65_L7_N \(\int \frac{\text{B65_L7_N}}{\text{B65_L7_P}} \)	43		44	B65 11 D >> B65 L1 N	6
6	B65_L7_P SB65_L21_N				B65_L1_P	6
-	B65_L21_N SB65_L21_P	45		46	B65_L22_N	⁻ 6
	B65_L21_P \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	47		48	B65_L22_P	6
		49		50	<u> </u>	
	B65_L19_N SB65_L19_P	51		52	B65_L23_N B65_L23_N	6
	B65 L19 P (B65 L24 N	53		54	D00_E20_1 (D0E 100 D	6
	DOE LOAN // DOO_LET_IN	55		56	DGE 147 N	6
	B65_L24_P	57		58	B65_L17_P S65_L17_P	6
		59		60	<u> </u>	۰
	B64_L23_P \(\frac{\text{B64_L23_P}}{\text{B64_L23_N}} \)	61		62	B64_L1_P >> B64_L1_P	6
	B64_L23_P 864_L23_N B64_L23_N	63		64	DO4_EI_IV	6
	DC4 L04 D // D04_L24_F	65		66	DOT_LIO_I NEGATIAND	6
	B64_L24_N B64_L24_N	67		68	B64_L16_N	6
	D04_E24_IV ((69		70	<u> </u>	·
6	B64_L7_P	71		72	B64_L22_P B64_L22_P	6
6	B64_L7_N >> B64_L7_N	73		74	DO4_LZZ_IV N DC4 LOO N	6
6	B64_L7_P	75		76	D04_L19_F (D04_140_D	6
	504_E2_1 SSB64 L2 N	77		78	B64_L19_N	6
6	B64_L2_N <<	79		80	<u> </u>	U
	B64_L20_P \(\sum_{\text{B64}_L20_N} \)	81		82	B64_L14_P >> B64_L14_P	6
	B64_L20_N	83		84	DO4_LI4_IV (C DO4_LI4_V)	6
	B64_L11_P	85		86	B64_L3_P >> B64_L14_N	
	B64_L20_N B64_L20_N B64_L11_P B64_L11_N B64_L11_N	87		88	B64_L3_N >> B64_L3_P	6
	D04_L11_14 \(\)	89		90	>> B64_L3_N	6
	B64_L18_P	91		92	B64_L5_P	-
	B64_L18_P SB64_L18_P	93		94	B64_L5_N >> B64_L5_P	6
_	B64_L18_N B64_L8_P B64_L8_P B64_L8_N	95		96	B64_L6_P >> B64_L5_N	6
6	B64_L8_P \$\ B64_L8_N	97		98	B64_L6_N >> B64_L6_P	6
6	D04_L0_IV ((99		100	>>> B64_L6_N	6
	B64 L21 P	101		102	B64_L9_P \\	
	B64_L21_P SB64_L21_P	103		104	B64 19 N // B64_L9_P	6
	B64_L21_N B64_L15_P	105		106	B64 110 P >> B64_L9_N	6_
	B64_L15_P SB64_L15_N	107		108	B64 I 10 N >> B64_L10_P	6
	Bb4 L15 N ((109		110	>>> B64_L10_N	6
	B64_L13_P B64_L13_N B64_L13_N B64_L17_P	111		112	B64 L4 P	
	B64_L13_P \SB64_L13_N	113		114	BEATIAN >> B64 L4 P	6
	B64_L13_N \\ B64_L17_P	115		116	B64_L12_P	6
	B64 117 N	117		118	B64 L12 N >> B64_L12_P	6
	B64_L17_N <<	119		120	>>> B64_L12_N	6
	**	119		120	† · · · · · · · · · · · · · · · · · · ·	
				I (K5A2137Y)	4	
	-	=	5 % * ^		'-	
	7	•	÷ ÷		-	





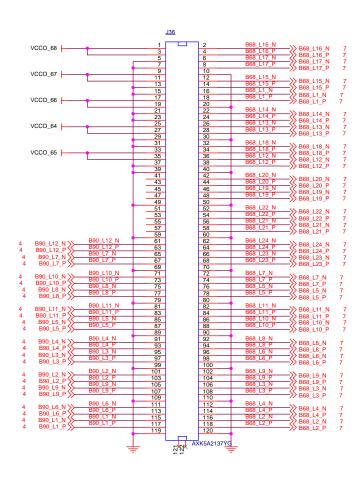




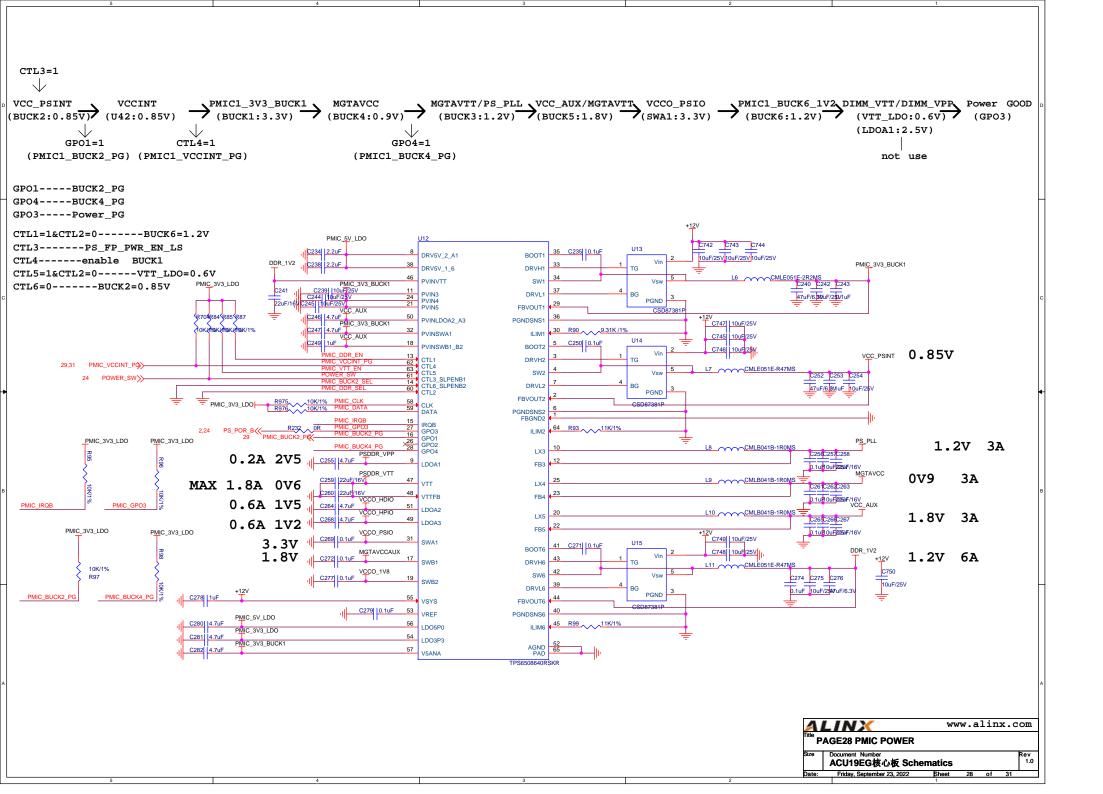


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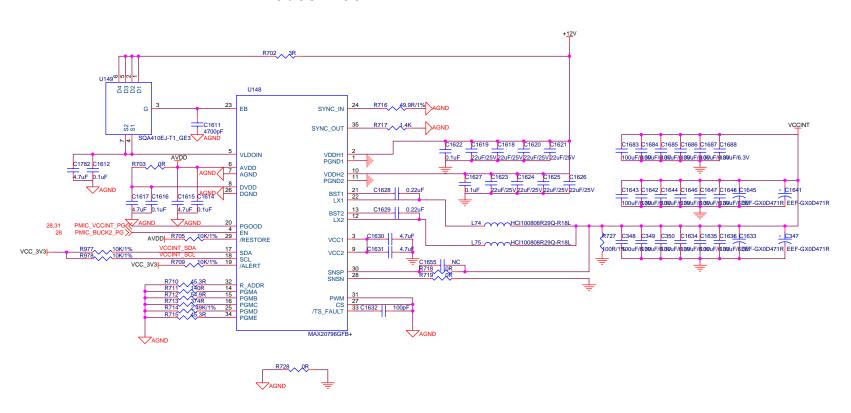
BANK68 is HP BANK, IO Voltage is under 1.8V

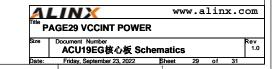


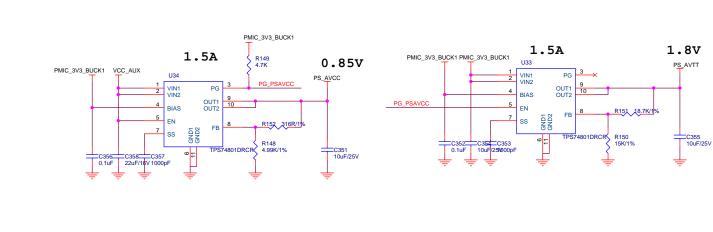




+0.85V 60A







R910 330R

LED

VCC_3V3 -

