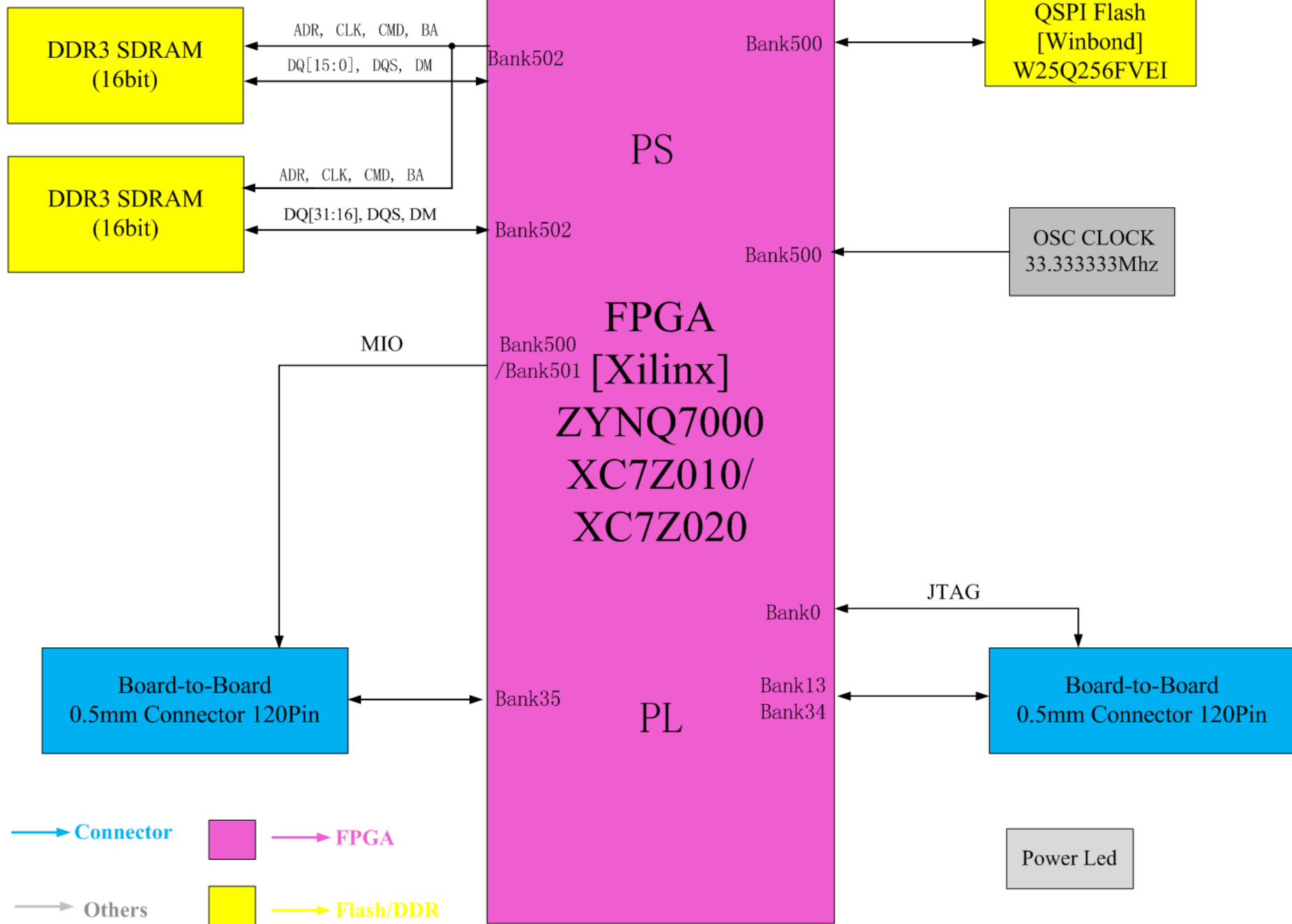


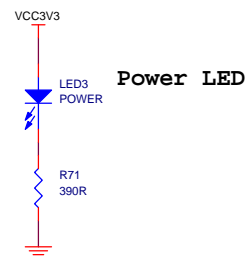
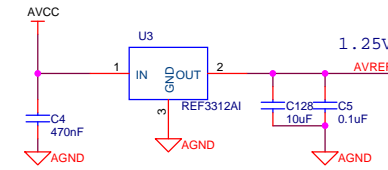
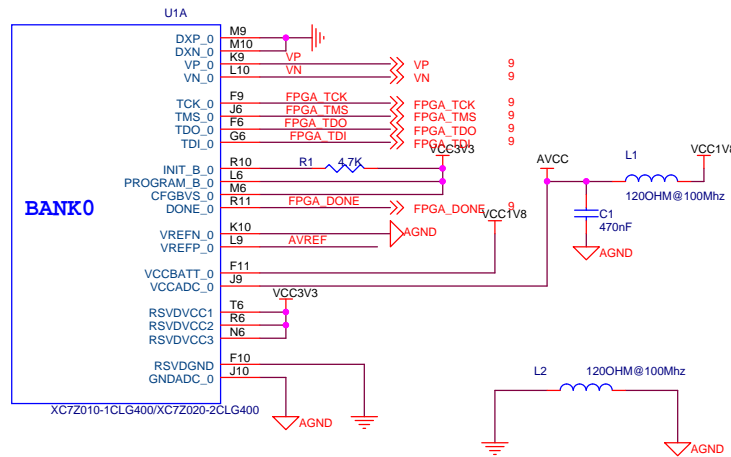
REV	Description	Date
V1.0	First Release	2019-6-21

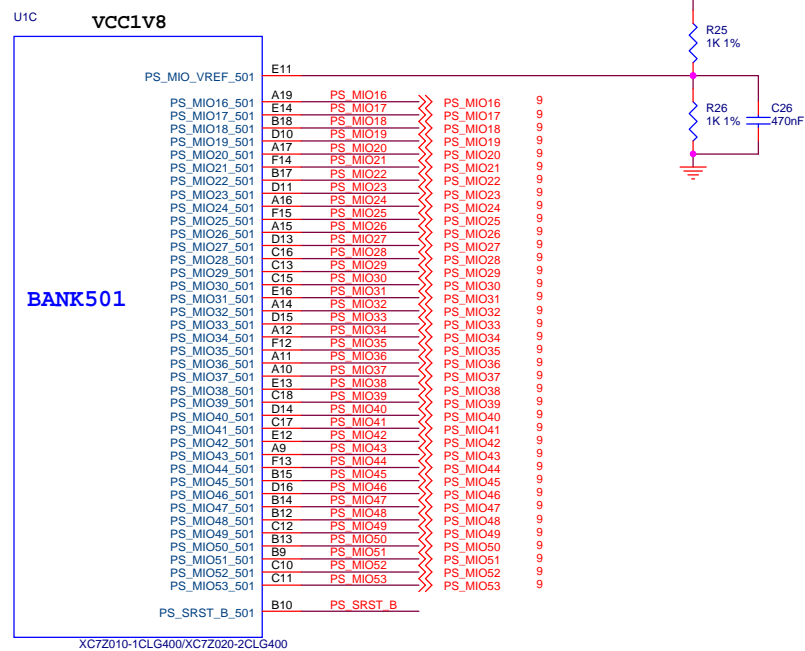
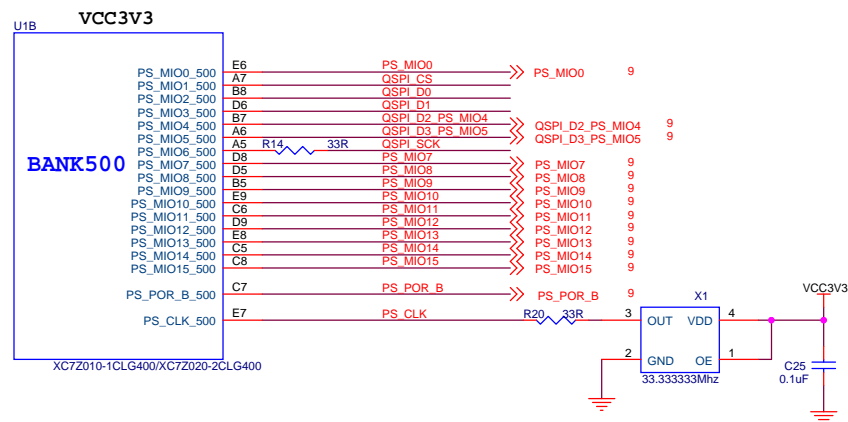
# AC7Z010/AC7Z020 Schematics

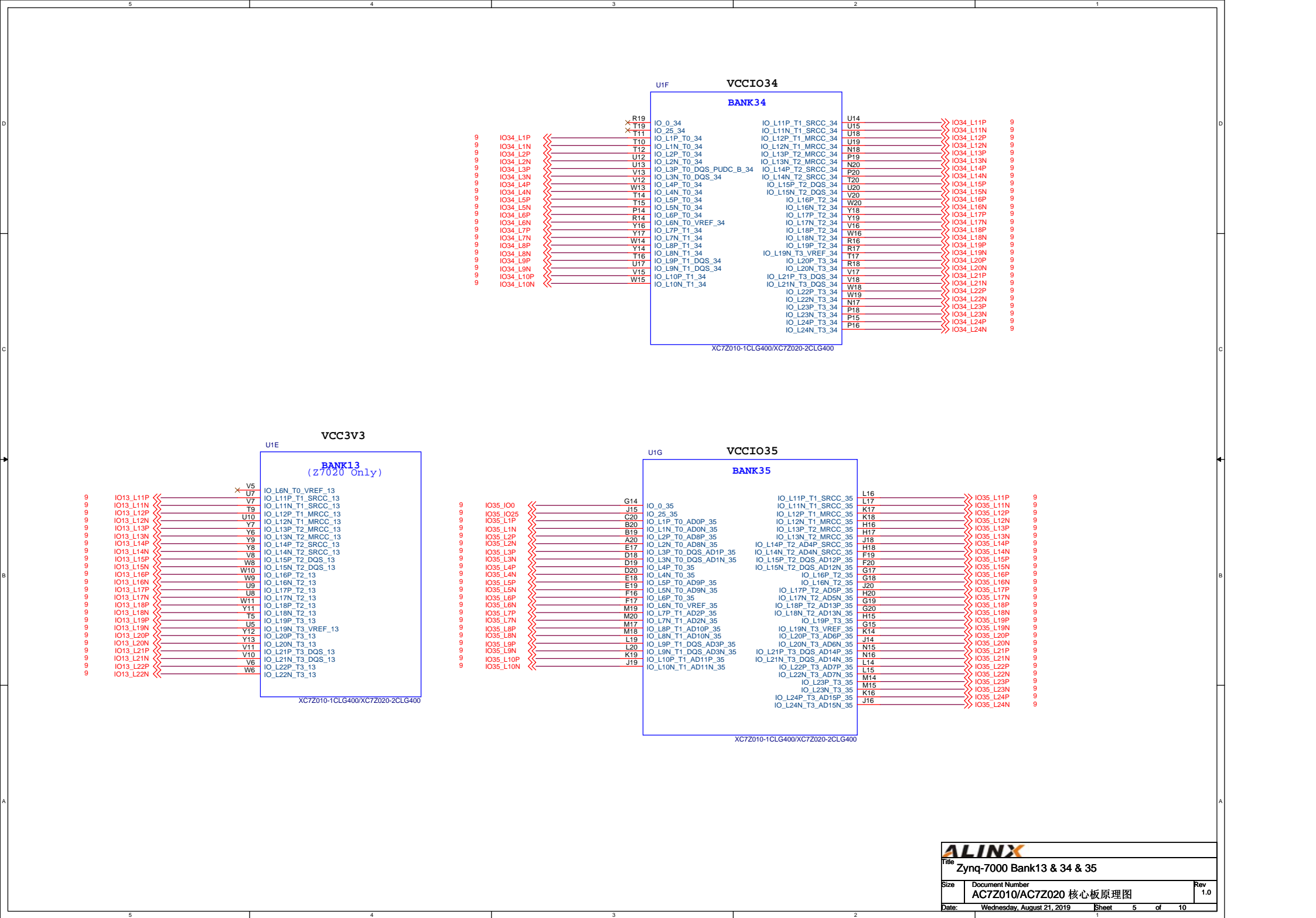
## ZYNQ硬件平台

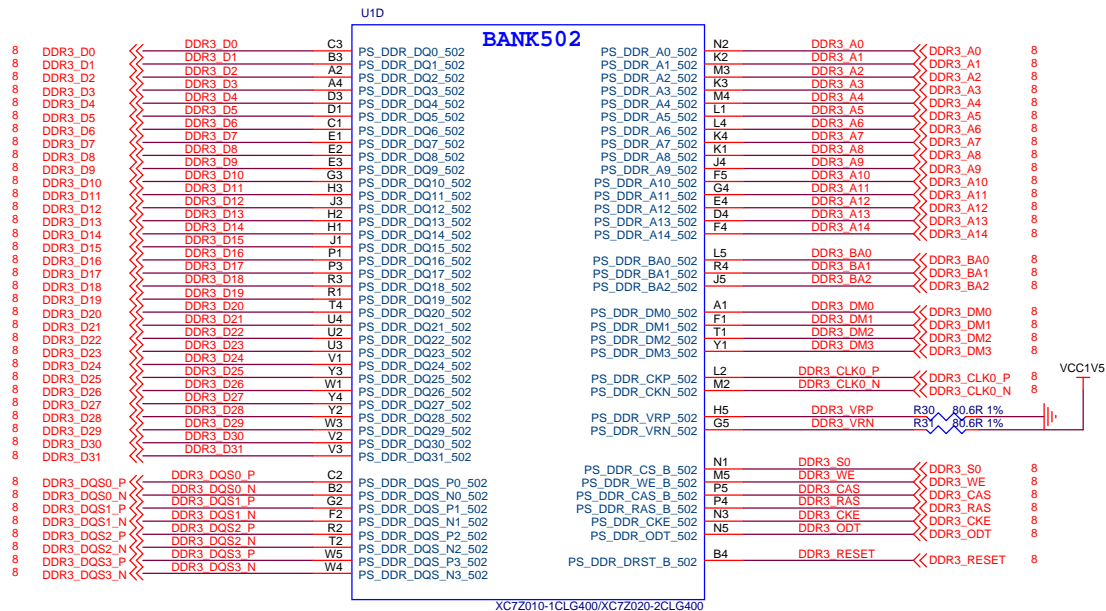
Page Number	Description
Page01	Cover Page
Page02	Block Diagram
Page03	Zynq-7000 JTAG & Bank0
Page04	Zynq-7000 MIO Config
Page05	Zynq-7000 Bank13-34-35
Page06	Zynq-7000 Bank502
Page07	Zynq-7000 Power
Page08	DDR3
Page09	GPHY
Page10	USB OTG
Page11	UART, SD
Page12	EXTEND IO
Page13	POWER



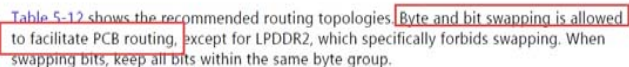
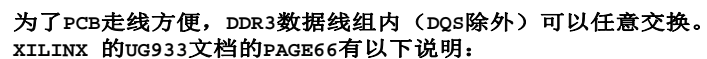




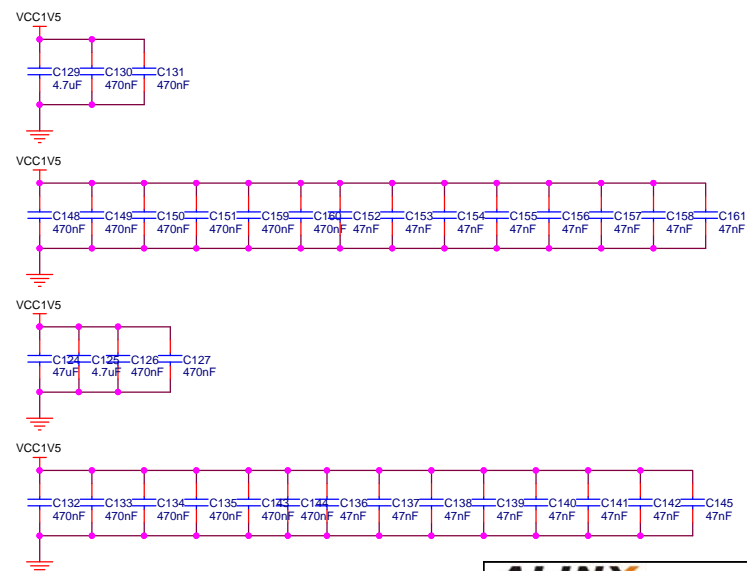








DDR3 CLK0 P  
R34  
80.6R 1%  
DDR3 CLK0 N





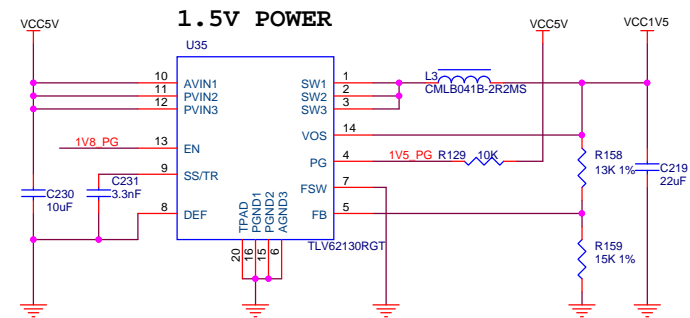
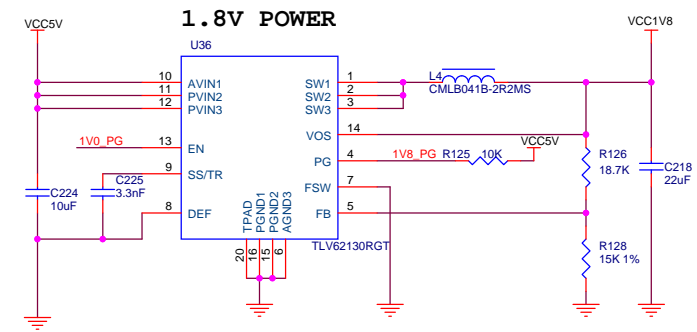
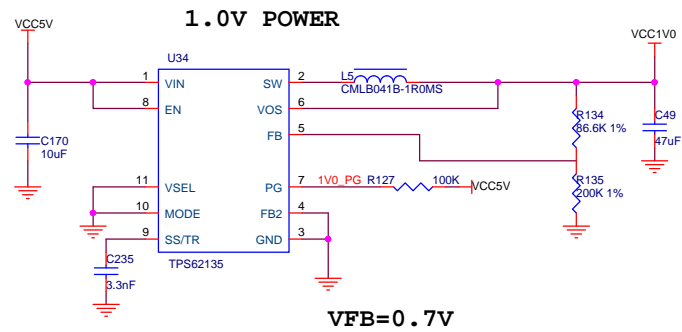
J29

Pin	Signal	Signal	Signal
1	VCC5V	2	VCC5V
3	VCC5V	4	VCC5V
5	VCC5V	6	VCC5V
7	VCC5V	8	VCC5V
9	VCC5V	10	VCC5V
11	VCCIO_34	12	VCCIO_35
13	VCCIO_34	14	VCCIO_35
15	VCCIO_34	16	VCCIO_35
17	VCCIO_34	18	VCCIO_35
19	VCCIO_34	20	VCCIO_35
21	IO34_L10P	22	IO34_L7P
23	IO34_L10N	24	IO34_L7N
25	IO34_L15N	26	IO34_L17P
27	IO34_L15P	28	IO34_L17N
29	IO34_L9N	30	IO34_L17N
31	IO34_L9P	32	IO34_L8P
33	IO34_L8P	34	IO34_L8N
35	IO34_L12N	36	IO34_L3P
37	IO34_L12P	38	IO34_L3N
39	IO34_L14N	40	IO34_L21N
41	IO34_L14P	42	IO34_L21P
43	IO34_L16N	44	IO34_L18P
45	IO34_L16P	46	IO34_L18N
47	IO34_L22N	48	IO34_L23P
49	IO34_L22P	50	IO34_L23N
51	IO34_L20N	52	IO34_L13P
53	IO34_L20P	54	IO34_L13N
55	IO34_L19N	56	IO34_L11N
57	IO34_L19P	58	IO34_L11P
59	IO34_L24P	60	IO34_L5N
61	IO34_L24N	62	IO34_L5P
63	IO34_L4P	64	IO34_L2N
65	IO34_L4N	66	IO34_L2P
67	IO34_L1P	68	IO34_L6N
69	IO34_L1N	70	IO34_L6P
71	IO13_L13P	72	IO13_L21P
73	IO13_L13N	74	IO13_L21N
75	IO13_L11N	76	IO13_L14N
77	IO13_L11P	78	IO13_L14P
79	IO13_L19N	80	IO13_L22N
81	IO13_L19P	82	IO13_L22P
83	IO13_L16P	84	IO13_L15P
85	IO13_L16N	86	IO13_L15N
87	IO13_L17P	88	IO13_L20P
89	IO13_L17N	90	IO13_L20N
91	IO13_L18P	92	IO13_L12N
93	IO13_L18N	94	IO13_L12P
95	FPGA_TCK	96	VP
97	FPGA_TMS	98	VN
99	FPGA_TDO	100	PS POR B
101	FPGA_TDI	102	FPGA_DONE
103		104	
105		106	
107		108	
109		110	
111		112	
113		114	
115		116	
117		118	
119		120	

AKX5A2137YG

5	I035_L1P	I035_L1P	1	2	I035_L15N	I035_L15N	5
5	I035_L1N	I035_L1N	3	4	I035_L15P	I035_L15P	5
5	I035_L18N	I035_L18N	5	6	I035_L18P	I035_L18P	5
5	I035_L18P	I035_L18P	7	8	I035_L5N	I035_L5N	5
			9	10			
5	I035_L10N	I035_L10N	11	12	I035_L3N	I035_L3N	5
5	I035_L10P	I035_L10P	13	14	I035_L3P	I035_L3P	5
5	I035_L2N	I035_L2N	15	16	I035_L4P	I035_L4P	5
5	I035_L2P	I035_L2P	17	18	I035_L4N	I035_L4N	5
			19	20			
5	I035_L8P	I035_L8P	21	22	I035_L9N	I035_L9N	5
5	I035_L8N	I035_L8N	23	24	I035_L9P	I035_L9P	5
5	I035_L7P	I035_L7P	25	26	I035_L6P	I035_L6P	5
5	I035_L7N	I035_L7N	27	28	I035_L6N	I035_L6N	5
			29	30			
5	I035_L17N	I035_L17N	31	32	I035_L16N	I035_L16N	5
5	I035_L17P	I035_L17P	33	34	I035_L16P	I035_L16P	5
5	I035_L19N	I035_L19N	35	36	I035_L13N	I035_L13N	5
5	I035_L19P	I035_L19P	37	38	I035_L13P	I035_L13P	5
			39	40			
5	I035_L12N	I035_L12N	41	42	I035_L14N	I035_L14N	5
5	I035_L12P	I035_L12P	43	44	I035_L14P	I035_L14P	5
5	I035_L24N	I035_L24N	45	46	I035_L20P	I035_L20P	5
5	I035_L24P	I035_L24P	47	48	I035_L20N	I035_L20N	5
			49	50			
5	I035_L21N	I035_L21N	51	52	I035_L11P	I035_L11P	5
5	I035_L1P	I035_L1P	53	54	I035_L11N	I035_L11N	5
5	I035_L22N	I035_L22N	55	56	I035_L23P	I035_L23P	5
5	I035_L22P	I035_L22P	57	58	I035_L23N	I035_L23N	5
			59	60			
4	PS_MIO22	PS_MIO22	61	62	PS_MIO50	PS_MIO50	4
4	PS_MIO27	PS_MIO27	63	64	PS_MIO45	PS_MIO45	4
4	PS_MIO23	PS_MIO23	65	66	PS_MIO46	PS_MIO46	4
4	PS_MIO24	PS_MIO24	67	68	PS_MIO41	PS_MIO41	4
			69	70			
4	PS_MIO25	PS_MIO25	71	72	PS_MIO7	PS_MIO7	4
4	PS_MIO26	PS_MIO26	73	74	PS_MIO12	PS_MIO12	4
4	PS_MIO21	PS_MIO21	75	76	PS_MIO10	PS_MIO10	4
4	PS_MIO16	PS_MIO16	77	78	PS_MIO11	PS_MIO11	4
			79	80			
4	PS_MIO20	PS_MIO20	81	82	PS_MIO9	PS_MIO9	4
4	PS_MIO19	PS_MIO19	83	84	PS_MIO14	PS_MIO14	4
4	PS_MIO18	PS_MIO18	85	86	PS_MIO8	PS_MIO8	4
4	PS_MIO17	PS_MIO17	87	88	PS_MIO0	PS_MIO0	4
			89	90			
4	PS_MIO39	PS_MIO39	91	92	PS_MIO13	PS_MIO13	4
4	PS_MIO38	PS_MIO38	93	94	PS_MIO47	PS_MIO47	4
4	PS_MIO37	PS_MIO37	95	96	PS_MIO48	PS_MIO48	4
4	PS_MIO28	PS_MIO28	97	98	PS_MIO49	PS_MIO49	4
			99	100			
4	PS_MIO35	PS_MIO35	101	102	PS_MIO52	PS_MIO52	4
4	PS_MIO34	PS_MIO34	103	104	PS_MIO51	PS_MIO51	4
4	PS_MIO33	PS_MIO33	105	106	PS_MIO40	PS_MIO40	4
4	PS_MIO32	PS_MIO32	107	108	PS_MIO44	PS_MIO44	4
			109	110			
4	PS_MIO31	PS_MIO31	111	112	PS_MIO15	PS_MIO15	4
4	PS_MIO36	PS_MIO36	113	114	PS_MIO42	PS_MIO42	4
4	PS_MIO29	PS_MIO29	115	116	PS_MIO43	PS_MIO43	4
4	PS_MIO30	PS_MIO30	117	118	PS_MIO53	PS_MIO53	

PS\_MIO0,MIO7~15为3.3V电平标准  
PS\_MIO16~53为1.8V电平标准



### Power On Sequence:

1.0V -> 1.8V -> 1.5 V -> 3.3V -> VCCIO

