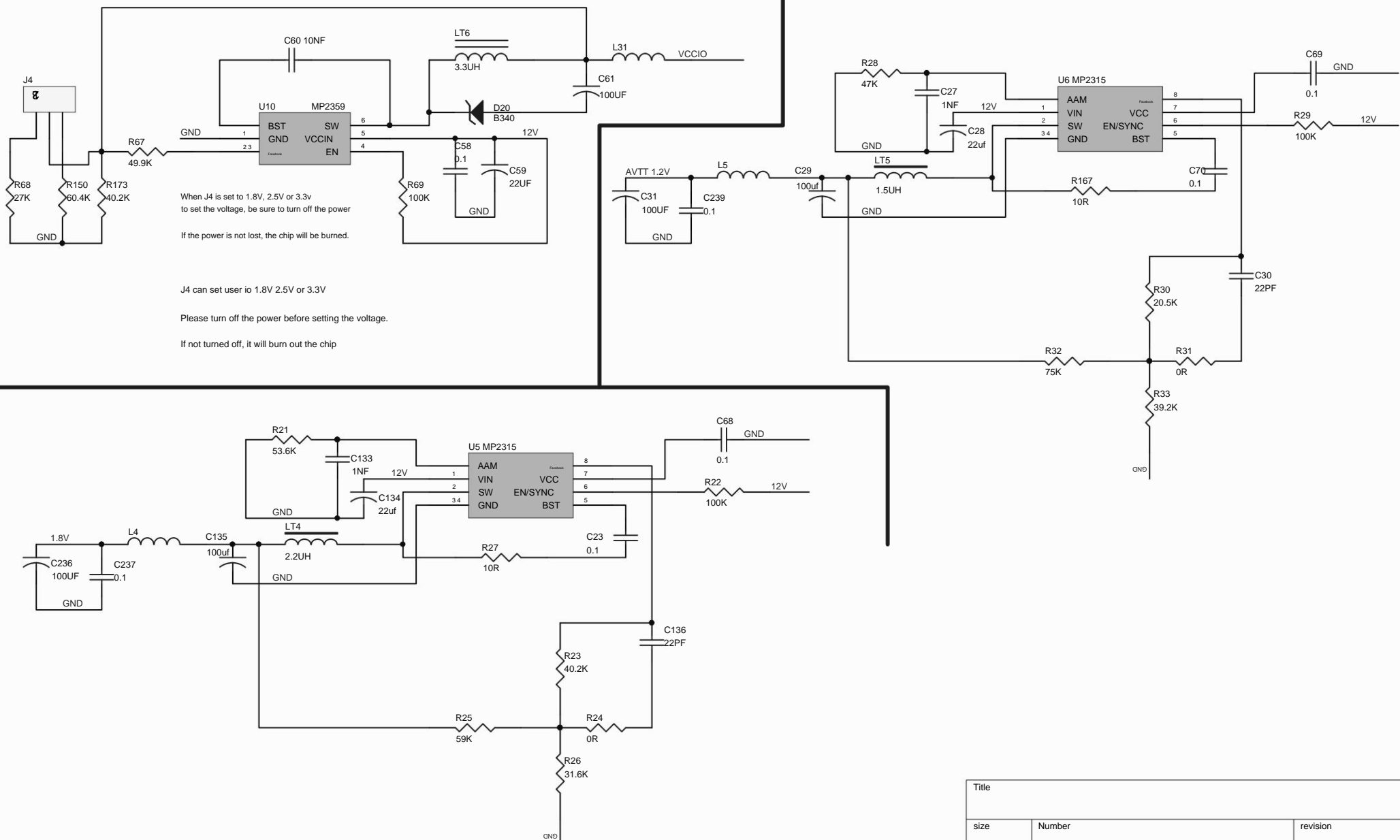
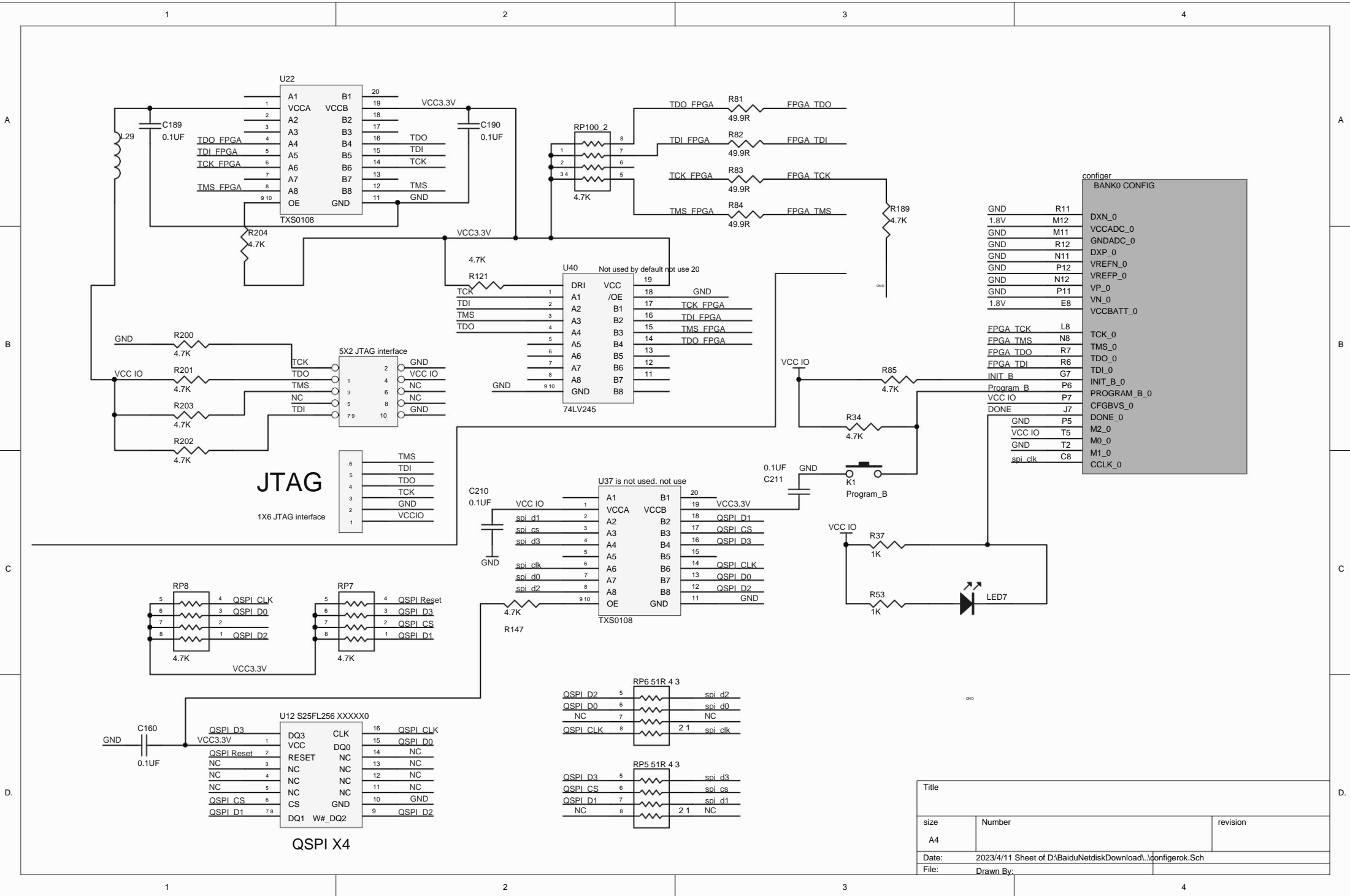
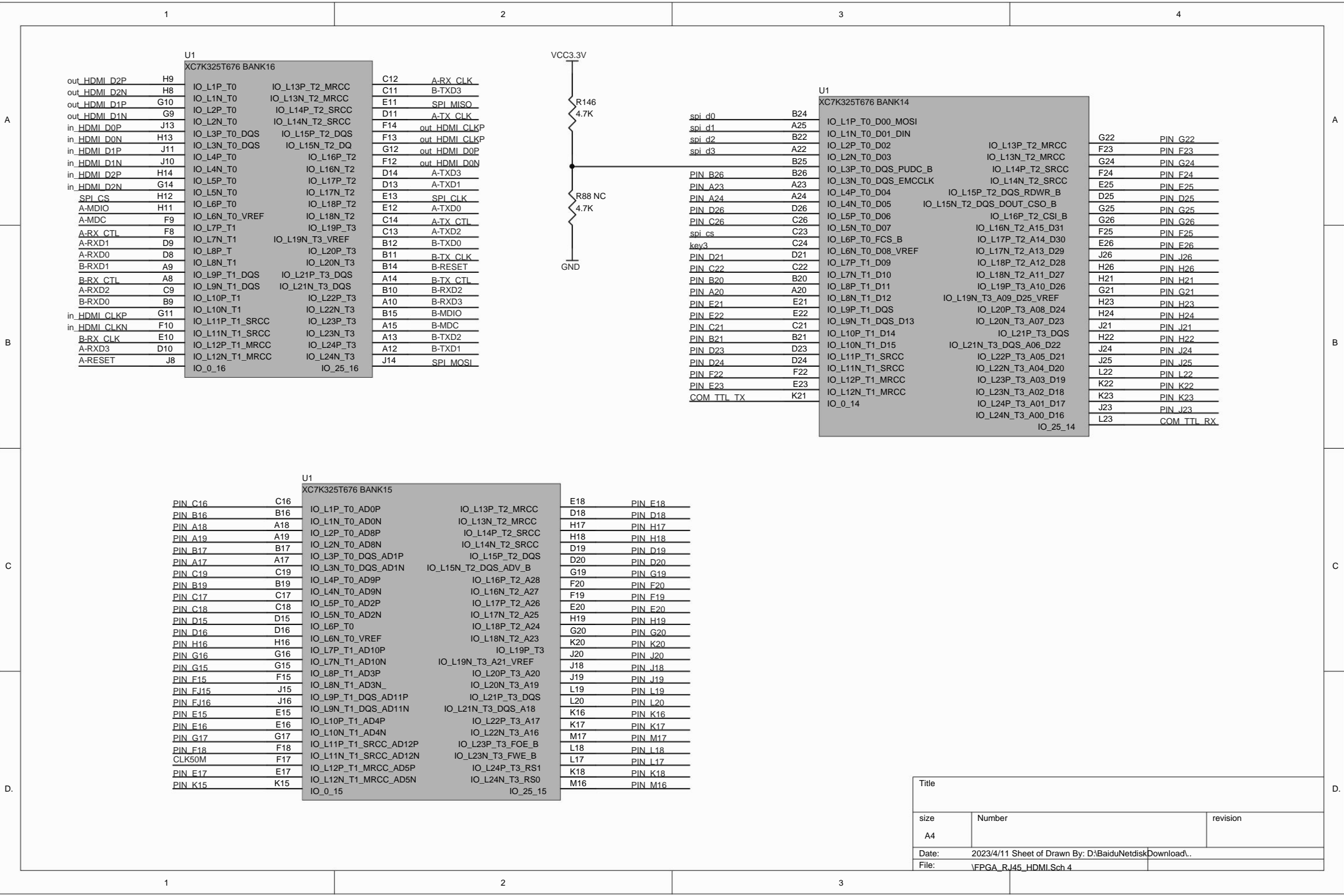


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File:	Drawn By:	





1	2	3	4
A			A
B			B
C			C
D.			D.

U1			
XC7K325T676 BANK12			
DATA0_SD	U22	IO_L1P_T0	IO_L13P_T2_MRCC
CLK_SD	V22	IO_L1N_T0	IO_L13N_T2_MRCC
PIN_U24	U24	IO_L2P_T0	IO_L14P_T2_SRCC
PIN_U25	U25	IO_L2N_T0	IO_L14N_T2_SRCC
PIN_V23	V23	IO_L3P_T0_DQS	IO_L15P_T2_DQS
PIN_V24	V24	IO_L3N_T0_DQS	IO_L15N_T2_DQ
fpga_scl	U26	IO_L4P_T0	IO_L16P_T2
fpga_sda	V26	IO_L4N_T0	IO_L16N_T2
PIN_W25	W25	IO_L5P_T0	IO_L17P_T2
PIN_W26	W26	IO_L5N_T0	IO_L17N_T2
DATA1_SD	V21	IO_L6P_T0	IO_L18P_T2
DATA2_SD	W21	IO_L6N_T0_VREF	IO_L18N_T2
PIN_AA25	AA25	IO_L7P_T1	IO_L19P_T3
PIN_AB25	AB25	IO_L7N_T1	IO_L19N_T3_VREF
DATA3_SD	W23	IO_L8P_T	IO_L20P_T3
CMD_SD	W24	IO_L8N_T1	IO_L20N_T3
PIN_AB26	AB26	IO_L9P_T1_DQS	IO_L21P_T3_DQS
PIN_AC26	AC26	IO_L9N_T1_DQS	IO_L21N_T3_DQS
PIN_Y25	Y25	IO_L10P_T1	IO_L22P_T3
PIN_Y26	Y26	IO_L10N_T1	IO_L22N_T3
PIN_AA23	AA23	IO_L11P_T1_SRCC	IO_L23P_T3
PIN_AB24	AB24	IO_L11N_T1_SRCC	IO_L23N_T3
PIN_Y23	Y23	IO_L12P_T1_MRCC	IO_L24P_T3
PIN_AA24	AA24	IO_L12N_T1_MRCC	IO_L24N_T3
HDMI_SCL_in	U21	IO_0_12	IO_25_12

U1			
XC7K325T676 BANK13			
PIN_K25	K25	IO_L1P_T0	IO_L13P_T2_MRCC
PIN_K26	K26	IO_L1N_T0	IO_L13N_T2_MRCC
PIN_R26	R26	IO_L2P_T0	IO_L14P_T2_SRCC
PIN_P26	P26	IO_L2N_T0	IO_L14N_T2_SRCC
PIN_M25	M25	IO_L3P_T0_DQS	IO_L15P_T2_DQS
PIN_L25	L25	IO_L3N_T0_DQS	IO_L15N_T2_DQ
PIN_P24	P24	IO_L4P_T0	IO_L16P_T2
PIN_N24	N24	IO_L4N_T0	IO_L16N_T2
PIN_N26	N26	IO_L5P_T0	IO_L17P_T2
PIN_M26	M26	IO_L5N_T0	IO_L17N_T2
PIN_R25	R25	IO_L6P_T0	IO_L18P_T2
PIN_P25	P25	IO_L6N_T0_VREF	IO_L18N_T2
PIN_N19	N19	IO_L7P_T1	IO_L19P_T3
PIN_M20	M20	IO_L7N_T1	IO_L19N_T3_VREF
PIN_M24	M24	IO_L8P_T	IO_L20P_T3
PIN_L24	L24	IO_L8N_T1	IO_L20N_T3
PIN_P19	P19	IO_L9P_T1_DQS	IO_L21P_T3_DQS
PIN_P20	P20	IO_L9N_T1_DQS	IO_L21N_T3_DQS
PIN_M21	M21	IO_L10P_T1	IO_L22P_T3
PIN_M22	M22	IO_L10N_T1	IO_L22N_T3
PIN_P23	P23	IO_L11P_T1_SRCC	IO_L23P_T3
PIN_N23	N23	IO_L11N_T1_SRCC	IO_L23N_T3
PIN_N21	N21	IO_L12P_T1_MRCC	IO_L24P_T3
PIN_N22	N22	IO_L12N_T1_MRCC	IO_L24N_T3
RISCV_TDO	N16	IO_0_13	IO_25_13

R21			
RISCV_TCK			
P21	RISCV_TDI		
R22	PIN_R22		
R23	PIN_R23		
T24	PIN_T24		
T25	PIN_T25		
T20	PIN_T20		
R20	PIN_R20		
T22	PIN_T22		
T23	PIN_T23		
U19	PIN_U19		
U20	PIN_U20		
T18	PIN_T18		
T19	PIN_T19		
P16	PIN_P16		
N17	PIN_N17		
R16	PIN_R16		
R17	PIN_R17		
N18	PIN_N18		
M19	PIN_M19		
U17	PIN_U17		
T17	PIN_T17		
R18	PIN_R18		
P18	PIN_P18		
U16	RISCV_TMS		

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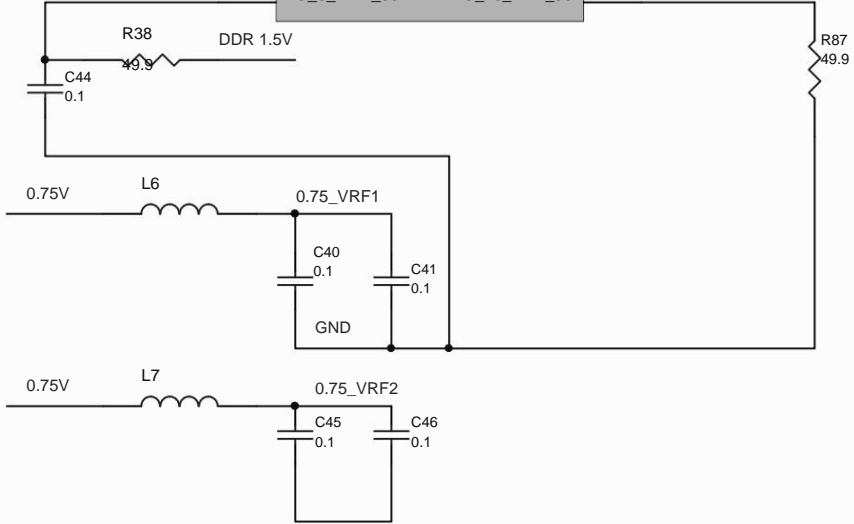
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ddr3-B_dq1	AE17	IO_L1P_T0	IO_L13P_T2_MRCC
ddr3-B_dq0	AF47	IO_L1N_T0	IO_L13N_T2_MRCC
ddr3-B_dq3	AF44	IO_L2P_T0	IO_L14P_T2_SRCC
ddr3-B_dq2	AF46	IO_L2N_T0	IO_L14N_T2_SRCC
ddr3-B_dqs0_p	AE48	IO_L3P_T0_DQS	IO_L15P_T2_DQS
ddr3-B_dqs0_n	AF48	IO_L3N_T0_DQS	IO_L15N_T2_DQ
ddr3-B_dq5	AD46	IO_L4P_T0	IO_L16P_T2
ddr3-B_dq4	AE46	IO_L4N_T0	IO_L16N_T2
ddr3-B_dq7	AF49	IO_L5P_T0	IO_L17P_T2
ddr3-B_dq6	AF20	IO_L5N_T0	IO_L17N_T2
ddr3-B_dm0	AD46	IO_L6P_T0	IO_L18P_T2
0.75_VRF2	AE46	IO_L6N_T0_VREF	IO_L18N_T2
ddr3-B_dq	AA44	IO_L7P_T1	IO_L19P_T3
9 ddr3-	AA46	IO_L7N_T1	IO_L19N_T3_VREF
B_dq8 ddr3-	AC44	IO_L8P_T	IO_L20P_T3
B_dq10 ddr3-	AD44	IO_L8N_T1	IO_L20N_T3
B_dq11 ddr3-	Y46	IO_L9P_T1_DQS	IO_L21P_T3_DQS
B_dqs1_p ddr3-	Y46	IO_L9N_T1_DQS	IO_L21N_T3_DQS
B_dqs1_n	AB44	IO_L10P_T1	IO_L22P_T3
ddr3-B_dq12	AB46	IO_L10N_T1	IO_L22N_T3
ddr3-B_dq13	AA47	IO_L11P_T1_SRCC	IO_L23P_T3
ddr3-B_dq15	AA48	IO_L11N_T1_SRCC	IO_L23N_T3
ddr3-B_dq14	AB46	IO_L12P_T1_MRCC	IO_L24P_T3
ddr3-B_dm1 key2	AC46	IO_L12N_T1_MRCC	IO_L24N_T3
	V43	IO_0_VRN_32	IO_25_VRP_32

U1		XC7K325T676 BANK34	
ddr3-B_dq33	U6	IO_L1P_T0	IO_L13P_T2_MRCC
ddr3-B_dq34	U6	IO_L1N_T0	IO_L13N_T2_MRCC
ddr3-B_dq35	U2	IO_L2P_T0	IO_L14P_T2_SRCC
ddr3-B_dm4	U4	IO_L2N_T0	IO_L14N_T2_SRCC
ddr3-B_dqs4_p	W6	IO_L3P_T0_DQS	IO_L15P_T2_DQS
ddr3-B_dqs4_n	W6	IO_L3N_T0_DQS	IO_L15N_T2_DQ
ddr3-B_dq36	V3	IO_L4P_T0	IO_L16P_T2
ddr3-B_dq37	W3	IO_L4N_T0	IO_L16N_T2
ddr3-B_dq38	U7	IO_L5P_T0	IO_L17P_T2
ddr3-B_dq39	V6	IO_L5N_T0	IO_L17N_T2
ddr3-B_dq32	V4	IO_L6P_T0	IO_L18P_T2
0.75_VRF1	W4	IO_L6N_T0_VREF	IO_L18N_T2
ddr3-B_dq40	Y3	IO_L7P_T1	IO_L19P_T3
ddr3-B_dq41	Y2	IO_L7N_T1	IO_L19N_T3_VREF
ddr3-B_dq42	V2	IO_L8P_T	IO_L20P_T3
ddr3-B_dq43	V1	IO_L8N_T1	IO_L20N_T3
ddr3-B_dqs5_p	AB4	IO_L9P_T1_DQS	IO_L21P_T3_DQS
ddr3-B_dqs5_n	AC4	IO_L9N_T1_DQS	IO_L21N_T3_DQS
ddr3-B_dq44	W1	IO_L10P_T1	IO_L22P_T3
ddr3-B_dq45	Y4	IO_L10N_T1	IO_L22N_T3
ddr3-B_dq46	AB2	IO_L11P_T1_SRCC	IO_L23P_T3
ddr3-B_dq47	AC2	IO_L11N_T1_SRCC	IO_L23N_T3
ddr3-B_dm5	AA3	IO_L12P_T1_MRCC	IO_L24P_T3
led-d0	AA2	IO_L12N_T1_MRCC	IO_L24N_T3
	U4	IO_0_VRN_34	IO_25_VRP_34

AC18	ddr3-B_dq16
AD48	ddr3-B_dq17
AB47	ddr3-B_dq19
AC47	ddr3-B_dq18
AD20	ddr3-B_dqs2_p
AE20	ddr3-B_dqs2_n
AA49	ddr3-B_dq21
AA20	ddr3-B_dq20
AC49	ddr3-B_dq23
AD49	ddr3-B_dq22
AB49	ddr3-B_dm2
AB20	ddr3-B_reset
Y47	ddr3-B_dq31
Y48	0.75_VRF2
V46	ddr3-B_dq28
V47	ddr3-B_dm3
W48	ddr3-B_dqs3_p
W49	ddr3-B_dqs3_n
W46	ddr3-B_dq29
W46	ddr3-B_dq30
V48	ddr3-B_dq27
V49	ddr3-B_dq26
V44	ddr3-B_dq25
W44	ddr3-B_dq24
W43	

AA4	ddr3-B_dq48
AB4	ddr3-B_dq49
AC4	ddr3-B_dq50
AC3	ddr3-B_dqs1
AA6	ddr3-B_dqs6_p
AB6	ddr3-B_dqs6_n
AC6	ddr3-B_dqs3
Y6	ddr3-B_dqs4
Y6	ddr3-B_dqs5
AD6	ddr3-B_dm6
AD6	led-d4
AD4	ddr3-B_dqs6
AD3	0.75_VRF1
AD1	ddr3-B_dqs7
AE1	ddr3-B_dm7
AF6	ddr3-B_dqs7_p
AF4	ddr3-B_dqs7_n
AE3	ddr3-B_dq63
AE2	ddr3-B_dqs9
AE6	ddr3-B_dq60
AE5	ddr3-B_dq61
AF3	ddr3-B_dq62
AF2	ddr3-B_dqs8
T7	

U1		XC7K325T676 BANK33	
IO_L1P_T0	IO_L13P_T2_MRCC	AB11	CLK200_P
IO_L1N_T0	IO_L13N_T2_MRCC	AC44	CLK200_N
IO_L2P_T0	IO_L14P_T2_SRCC	AA40	ddr3-B_cke1
IO_L2N_T0	IO_L14N_T2_SRCC	AB40	ddr3-B_cke0
IO_L3P_T0_DQS	IO_L15P_T2_DQS	AB42	ddr3-B_A14
IO_L3N_T0_DQS	IO_L15N_T2_DQ	AC42	ddr3-B_A15
IO_L4P_T0	IO_L16P_T2	AA43	ddr3-B_cs0
IO_L4N_T0	IO_L16N_T2	AA42	ddr3-B_odt0
IO_L5P_T0	IO_L17P_T2	AC43	ddr3-B_A8
IO_L5N_T0	IO_L17N_T2	AD43	ddr3-B_cs1
IO_L6P_T0	IO_L18P_T2	Y43	ddr3-B_odt1
IO_L6N_T0_VREF	IO_L18N_T2	Y42	led-d7
IO_L7P_T1	IO_L19P_T3	AD44	ddr3-B_A1
IO_L7N_T1	IO_L19N_T3_VREF	AE44	ddr3-B_A5
IO_L8P_T	IO_L20P_T3	AD40	ddr3-B_A11
IO_L8N_T1	IO_L20N_T3	AE40	led-d4
IO_L9P_T1_DQS	IO_L21P_T3_DQS	AE42	
IO_L9N_T1_DQS	IO_L21N_T3_DQS	AF42	ddr3-B_A9
IO_L10P_T1	IO_L22P_T3	AE8	ddr3-B_ba0
IO_L10N_T1	IO_L22N_T3	AF8	ddr3-B_we
IO_L11P_T1_SRCC	IO_L23P_T3	AE43	ddr3-B_A12
IO_L11N_T1_SRCC	IO_L23N_T3	AF43	ddr3-B_ba2
IO_L12P_T1_MRCC	IO_L24P_T3	AF40	ddr3-B_A3
IO_L12N_T1_MRCC	IO_L24N_T3	AF9	ddr3-B_A10
IO_0_VRN_33	IO_25_VRP_33	V42	



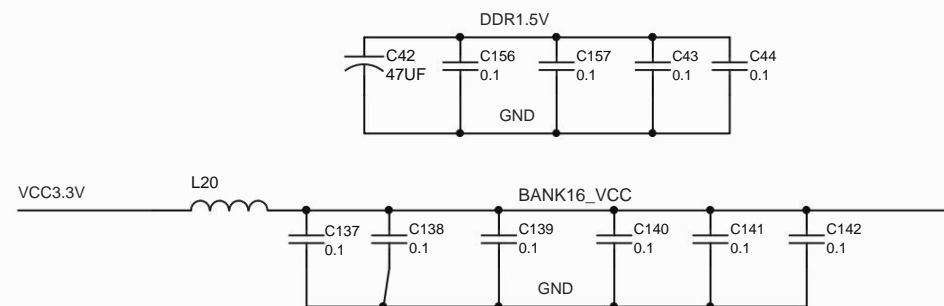
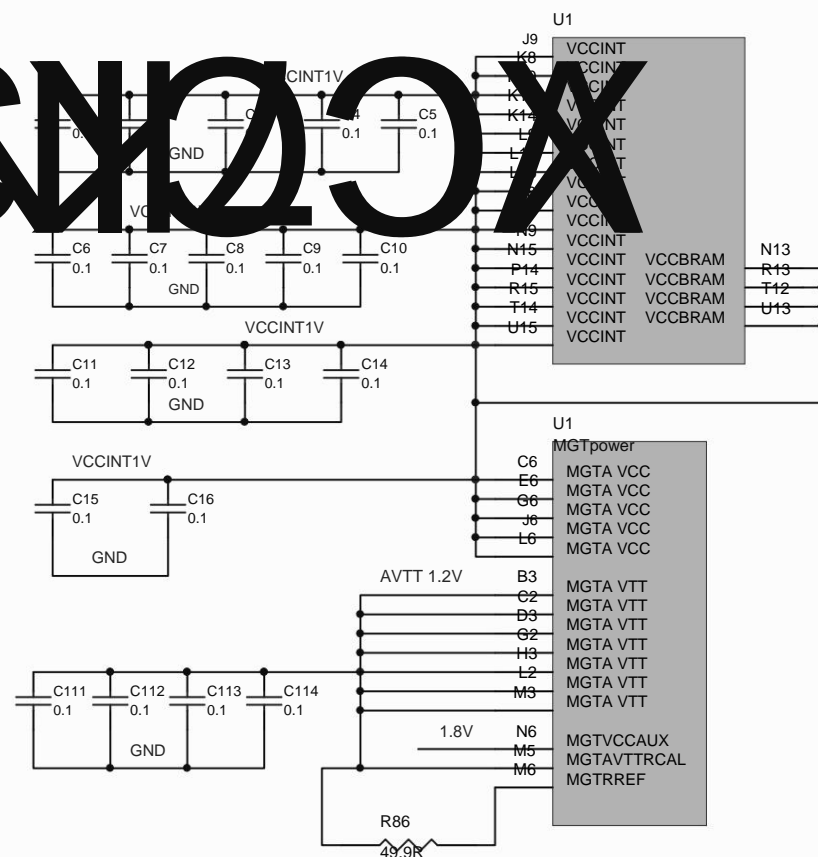
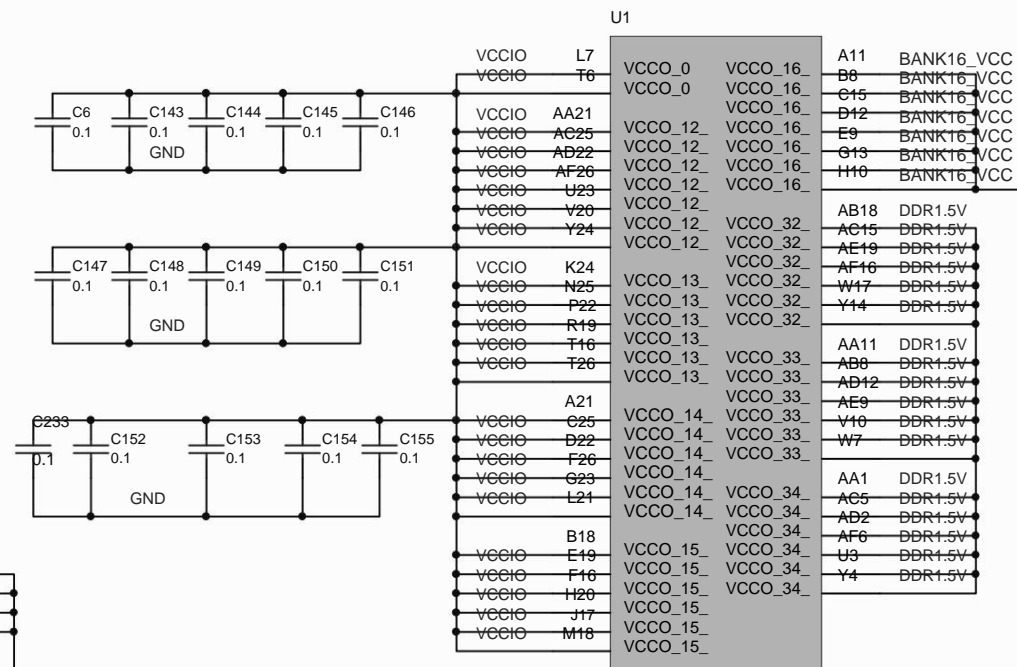
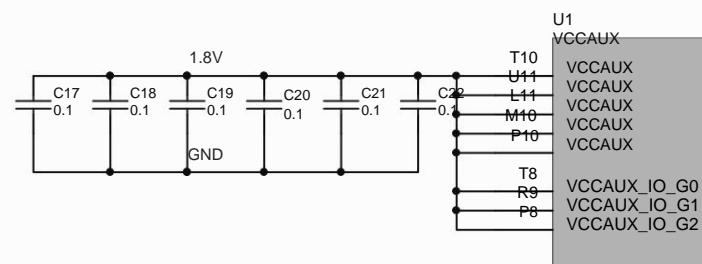
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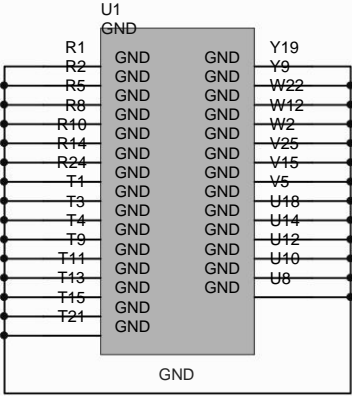
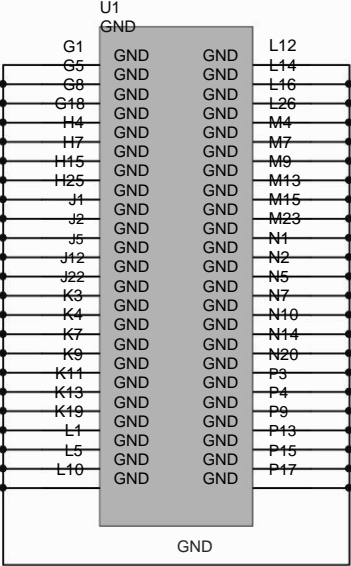
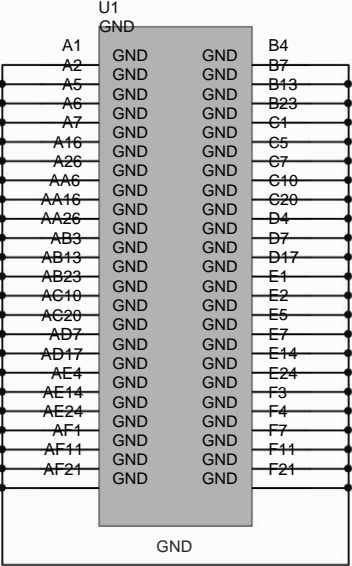


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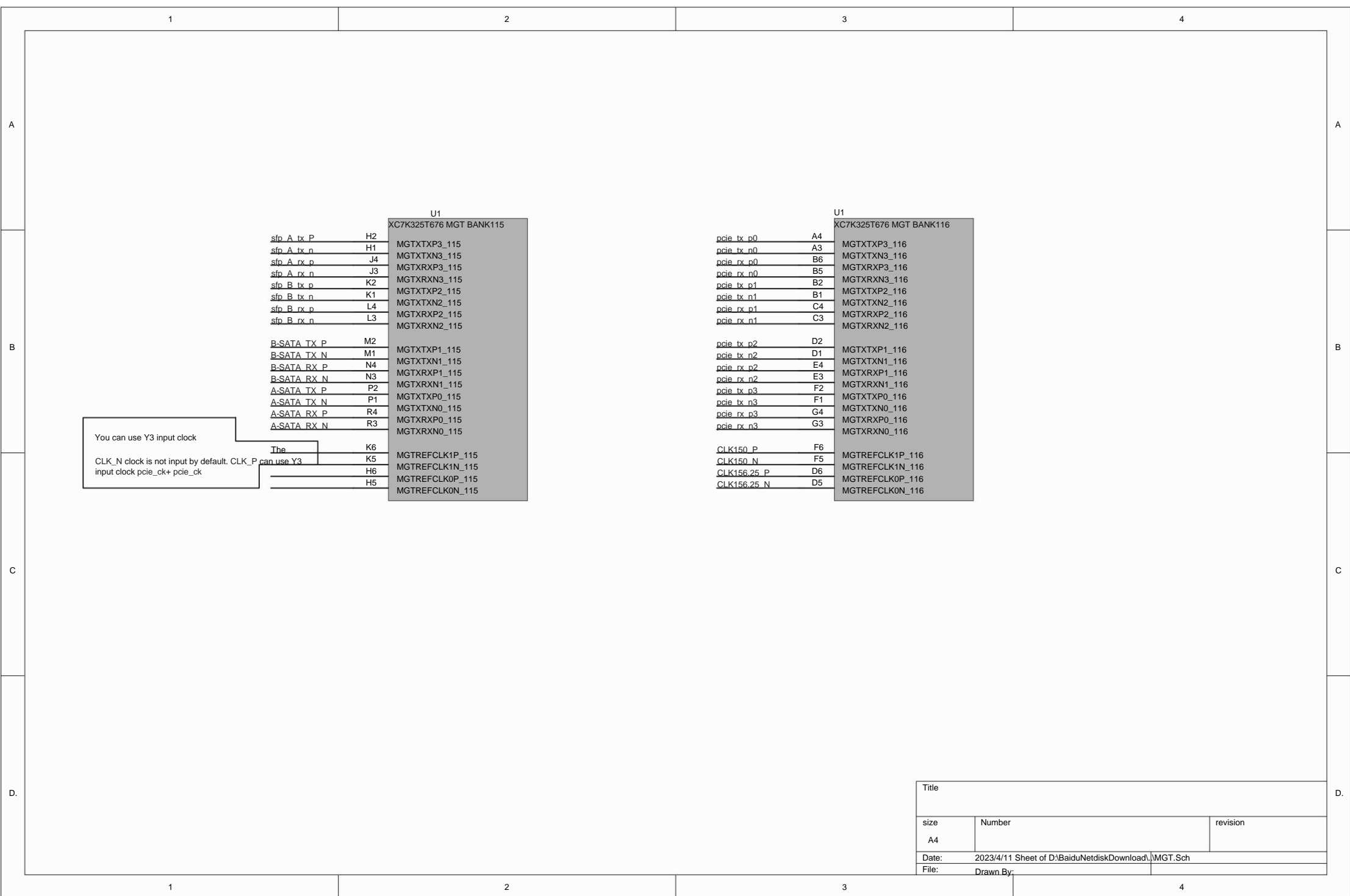
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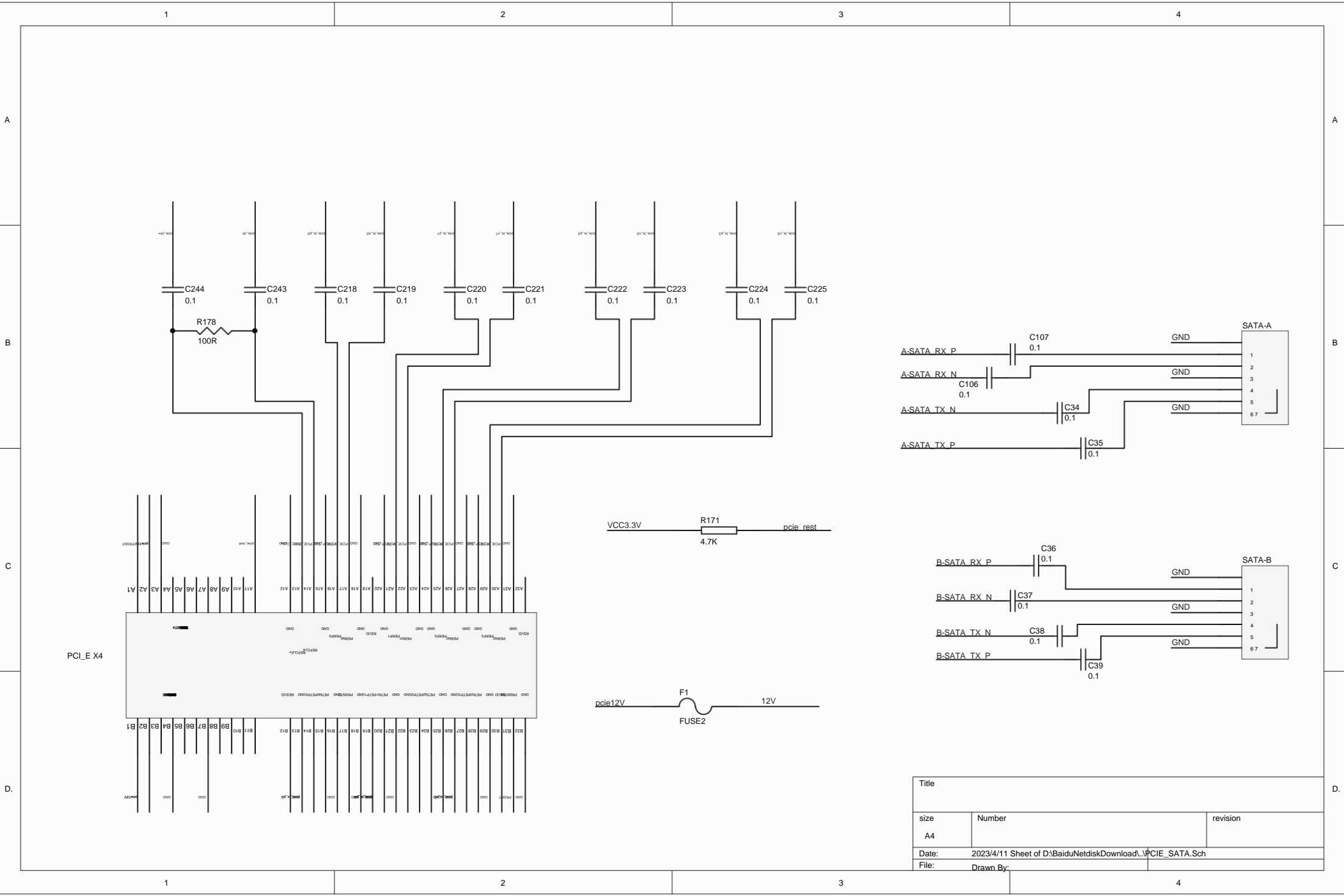
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Title		
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A

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C

D.

A

B

C

D.

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4

Near HDMI sides

Near the HDMI side

BTB_Board to Board (0.8MM)			
	BTB_A1	BTB_B1	
	BTB_A2	BTB_B2	
	BTB_A3	BTB_B3	
	BTB_A4	BTB_B4	
	BTB_A5	BTB_B5	
	BTB_A6	BTB_B6	
	BTB_A7	BTB_B7	
	BTB_A8	BTB_B8	
	BTB_A9	BTB_B9	
	BTB_A10	BTB_B10	
	BTB_A11	BTB_B11	
	BTB_A12	BTB_B12	
	BTB_A13	BTB_B13	
	BTB_A14	BTB_B14	
	BTB_A15	BTB_B15	
	BTB_A16	BTB_B16	
	BTB_A17	BTB_B17	
	BTB_A18	BTB_B18	
	BTB_A19	BTB_B19	
	BTB_A20	BTB_B20	
	BTB_A21	BTB_B21	
	BTB_A22	BTB_B22	
	BTB_A23	BTB_B23	
	BTB_A24	BTB_B24	
	BTB_A25	BTB_B25	
	BTB_A26	BTB_B26	
	BTB_A27	BTB_B27	
	BTB_A28	BTB_B28	
	BTB_A29	BTB_B29	
	BTB_A30	BTB_B30	
	BTB_A31	BTB_B31	
	BTB_A32	BTB_B32	
	BTB_A33	BTB_B33	
	BTB_A34	BTB_B34	
	BTB_A35	BTB_B35	
	BTB_A36	BTB_B36	
	BTB_A37	BTB_B37	
	BTB_A38	BTB_B38	
	BTB_A39	BTB_B39	
	BTB_A40	BTB_B40	

	3.3V_VCC	
	3.3V_VCC	
	NC	
	NC	
	NC	
	PIN_W20	P
	PIN_Y21	N
	GND	
	PIN_N19	P
	PIN_M20	N
	PIN_N26	P
	PIN_M26	N
	GND	
	PIN_L22	P
	PIN_K22	N
	PIN_K25	P
	PIN_K26	N
	GND	
	PIN_J21	P
	PIN_H22	N
	PIN_J26	P
	PIN_H26	N
	GND	
	PIN_G25	P
	PIN_G26	N
	PIN_F25	P
	PIN_F26	N
	GND	
	PIN_D26	P
	PIN_C26	N
	PIN_A23	P
	PIN_A24	N
	GND	
	PIN_B20	P
	PIN_A20	N
	PIN_B26	
	NC	
	GND	
	PIN_K15	
	PIN_M16	
	GND	

L25

VCC3.3V

A1		B1	
N	PIN_J20	1 2 3 4 5 6	PIN_K20
N	PIN_G20	7 8 9 10 11	PIN_H19
N	PIN_L20	12 13 14	PIN_I19
	GND		GND
N	PIN_F20	15 16 17	PIN_F19
N	PIN_H18	18 19 20	PIN_H17
N	PIN_F18	21 22 23	PIN_G17
N	PIN_G16	24 25 26	PIN_H16
N	GND	27 28 29	GND
N	PIN_F24	30 31 32	PIN_G24
N	PIN_F20		PIN_G19
N	PIN_I18		PIN_M17
N	PIN_H24		PIN_H23
N	GND		GND
N	NC		NC
N	3.3V_VCC		2.5V_VCC

C1	
P	PIN_D19
N	PIN_D20
	GND
	NC
N	PIN_D18
P	PIN_F18
N	GND
N	PIN_E16
P	PIN_F15
N	GND
N	NC
N	GND
N	NC
N	NC
N	15 16

D1		E1	
P	PIN_J18	2	PIN_J19
P	PIN_I17	4	PIN_K18
P	PIN_K16	6	PIN_K17
	GND		GND
P	PIN_C19	8	PIN_B19
N	PIN_C18	10	PIN_C17
P	PIN_D16	12	PIN_B16
P	PIN_D15	14	PIN_D16
	GND		GND
P	PIN_G15	16	PIN_F15
P	PIN_J15	18	PIN_J16
P	PIN_A18	20	PIN_A19
P	PIN_B17	22	PIN_A17
	GND		GND
	NC		NC
	3.3V_VCC		2.5V_VCC

N is the N port of LVDS  
P is the P port of LVDS

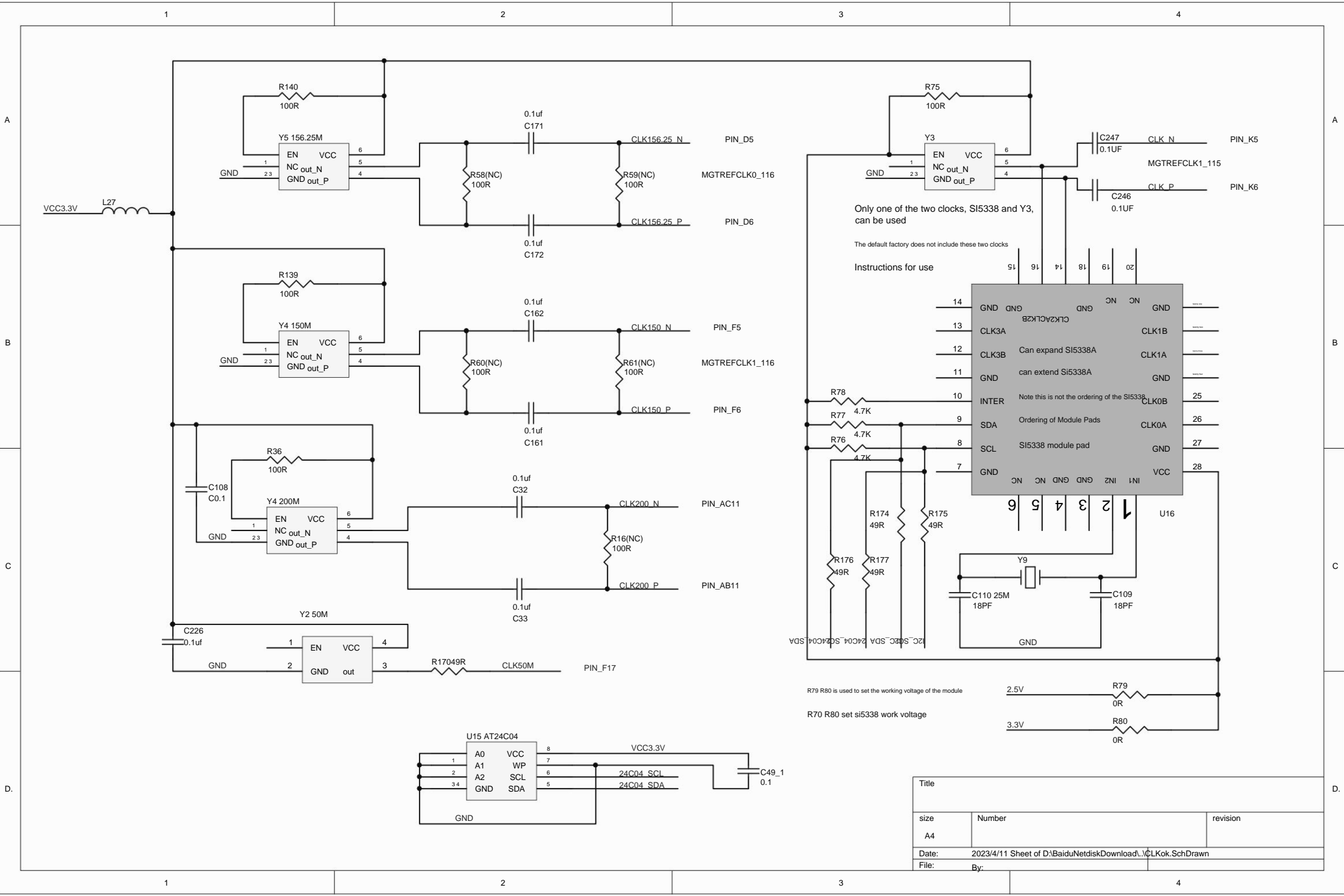
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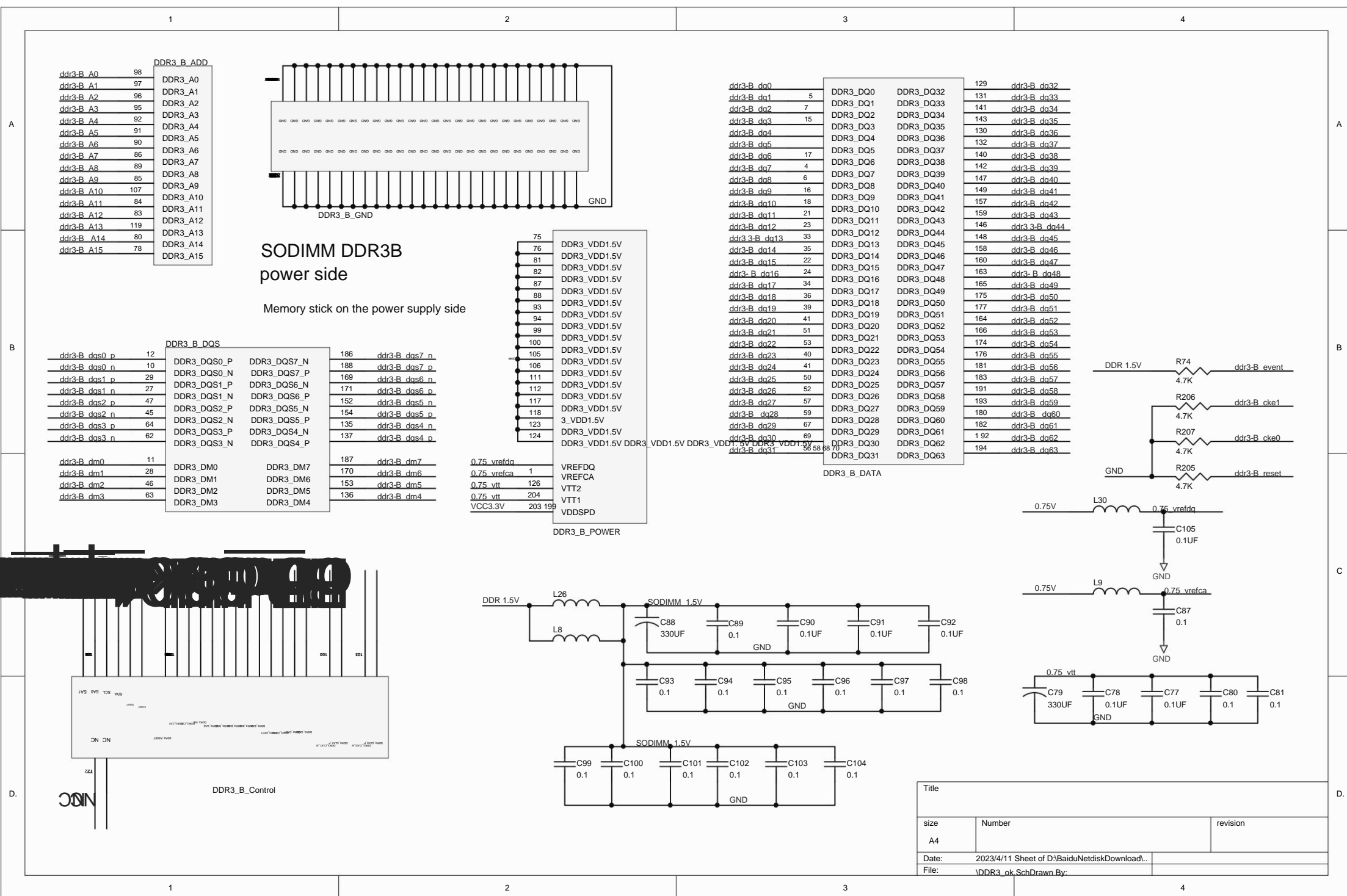
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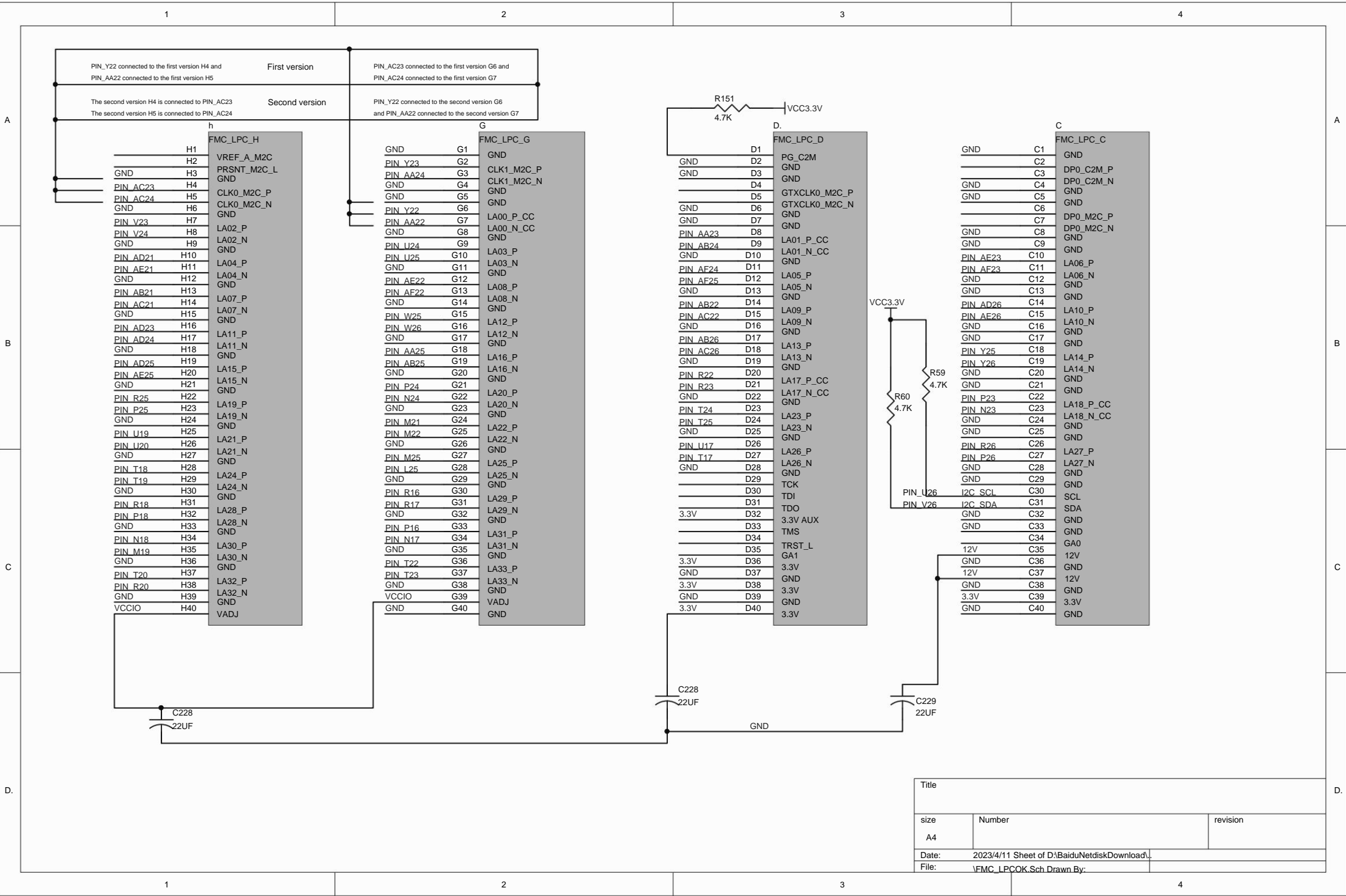
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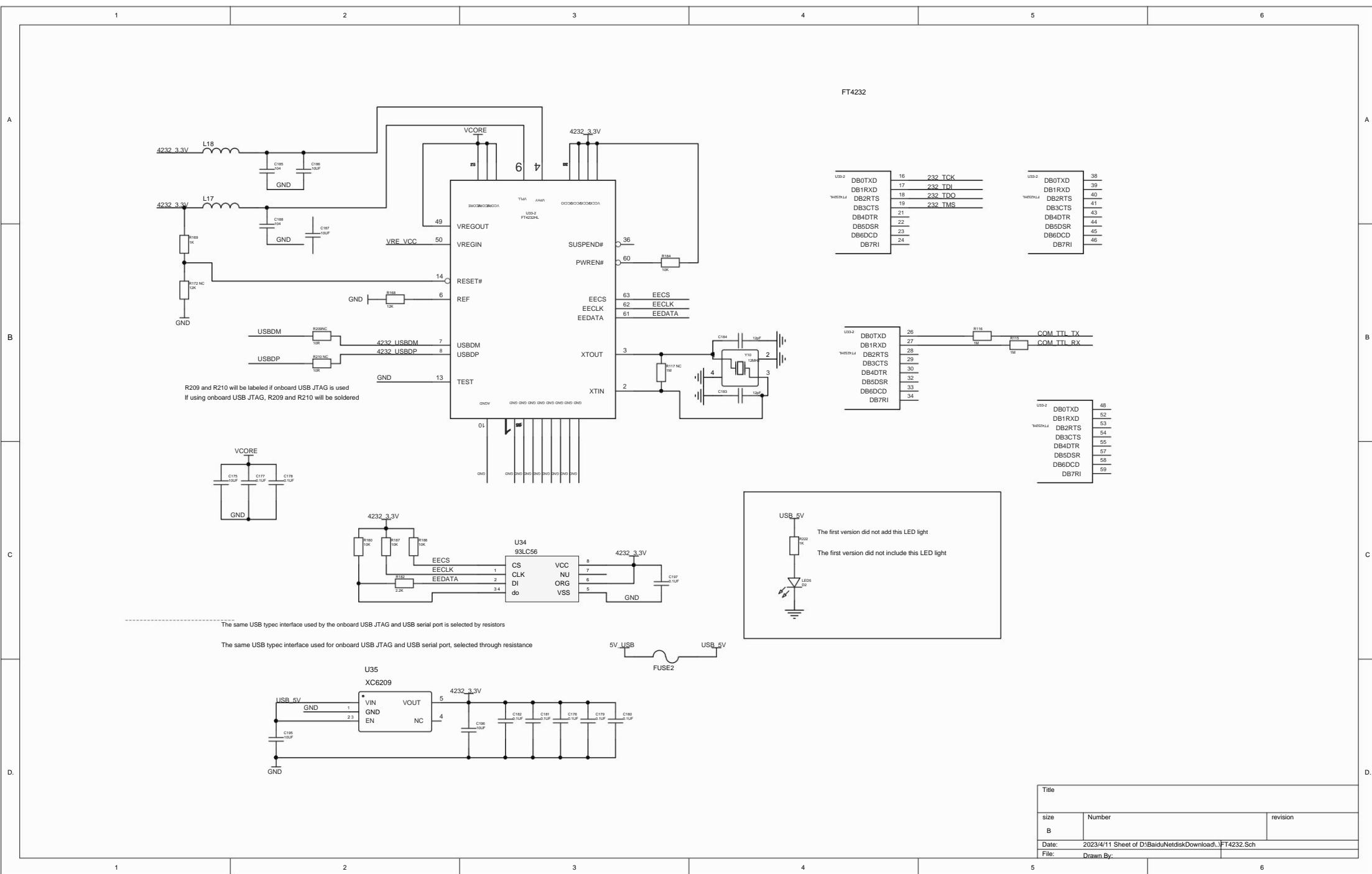
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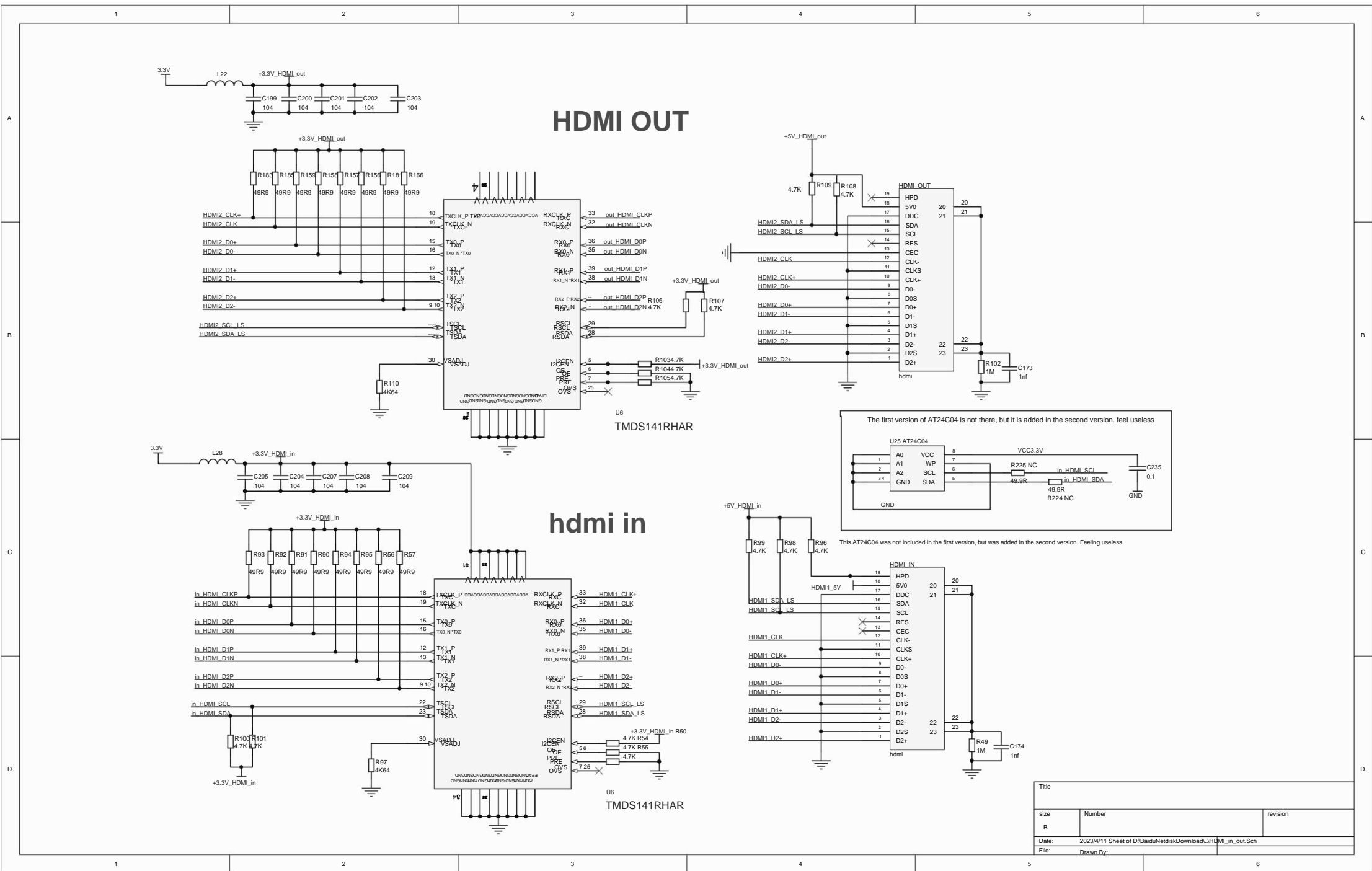
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**D.**



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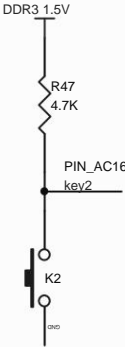
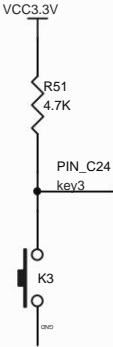
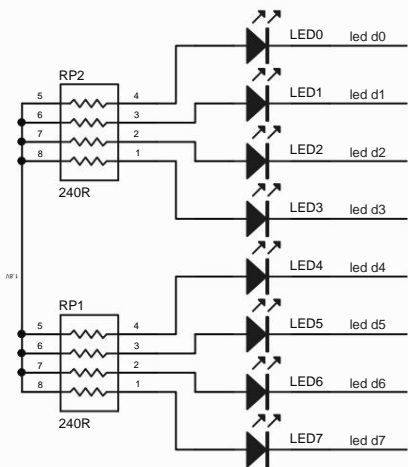
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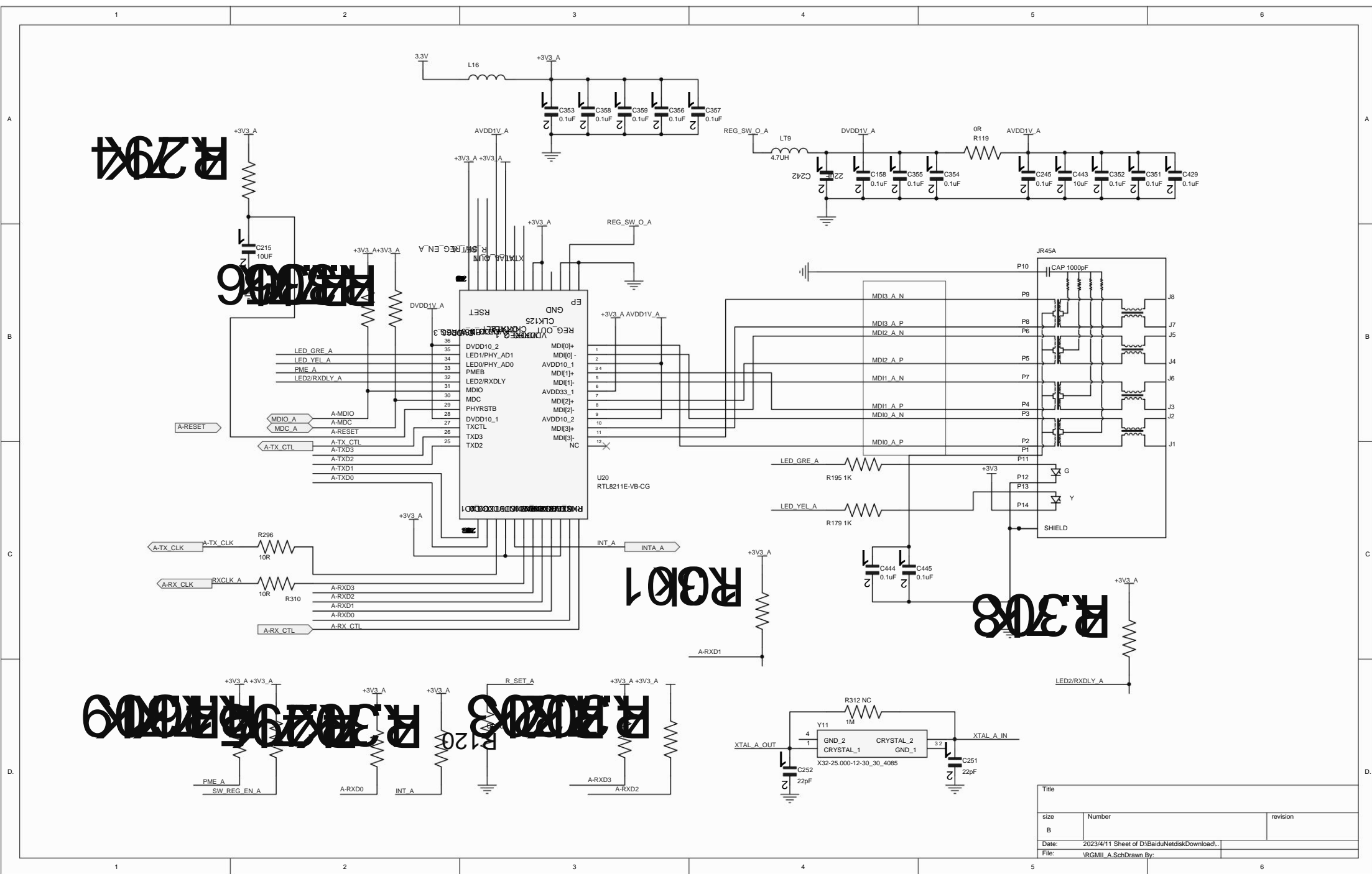
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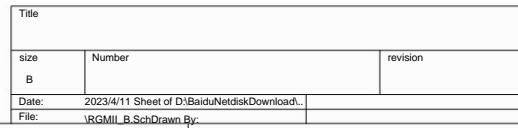
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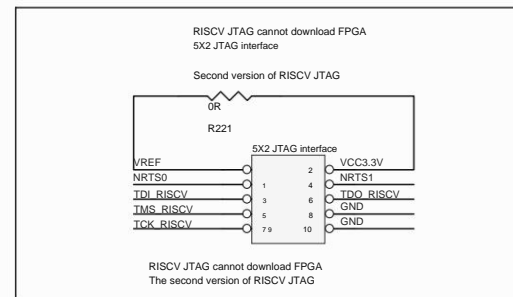
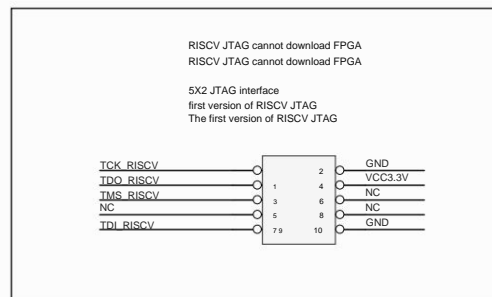
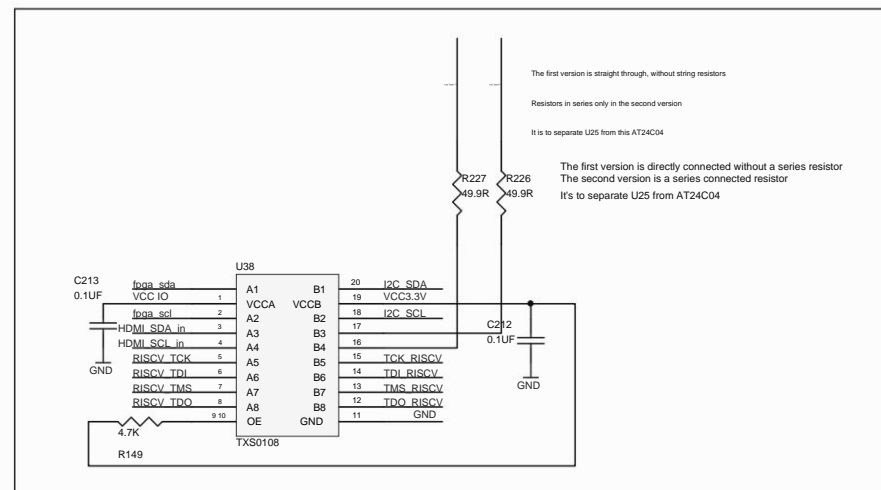
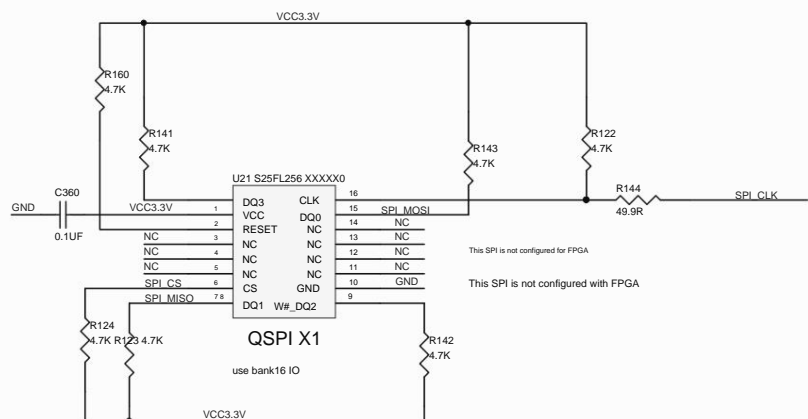
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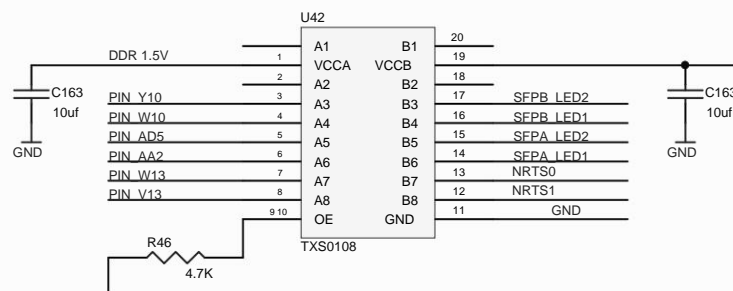
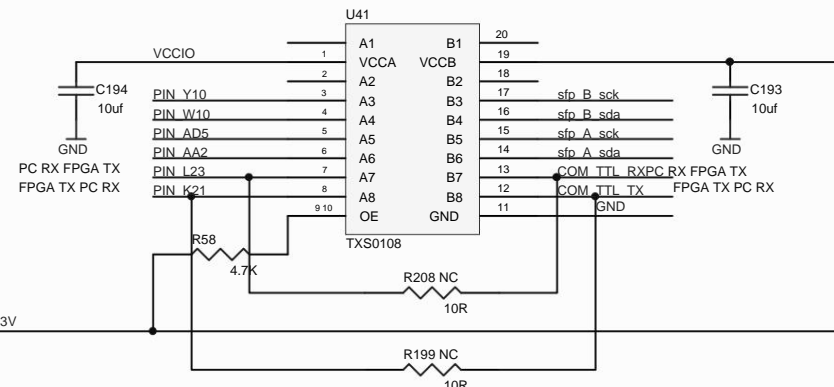
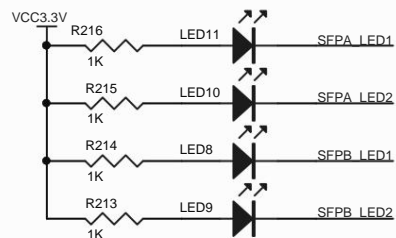
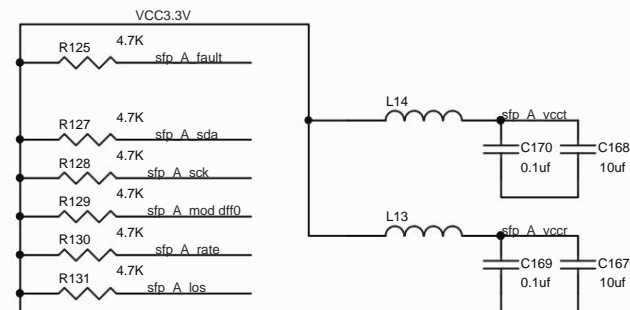
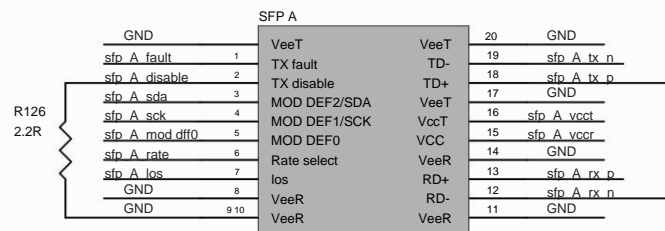
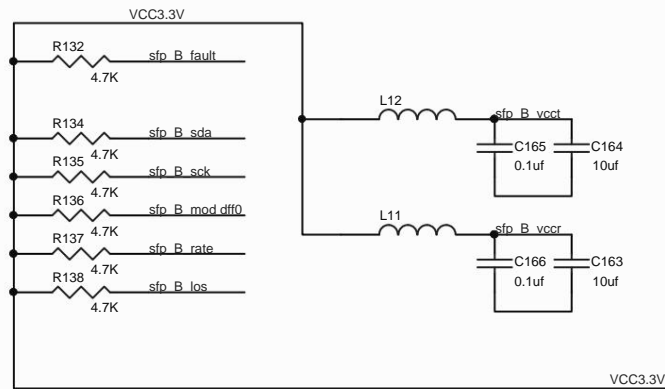
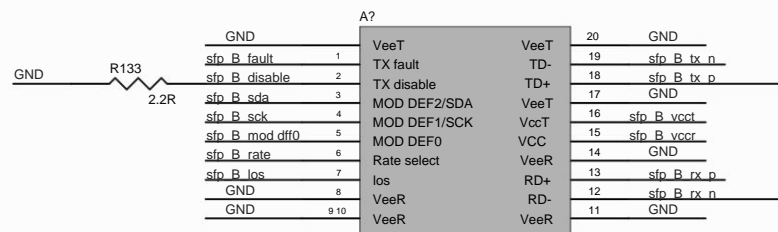
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