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A

A

Designator
BANK0.SchDoc



Designator
BANK34_35.SchDoc



Designator
BANK500_501.SchDoc



Designator
BANK502.SchDoc



Designator
DDR3.SchDoc



Designator
ETH.SchDoc



Designator
FLASH.SchDoc



Designator
HDMI.SchDoc



Designator
IO_LED.SchDoc



Designator
POWER.SchDoc



Designator
USB.SchDoc



Designator
ZYNQ_POWER.SchDoc



B

B

C

C

D

D

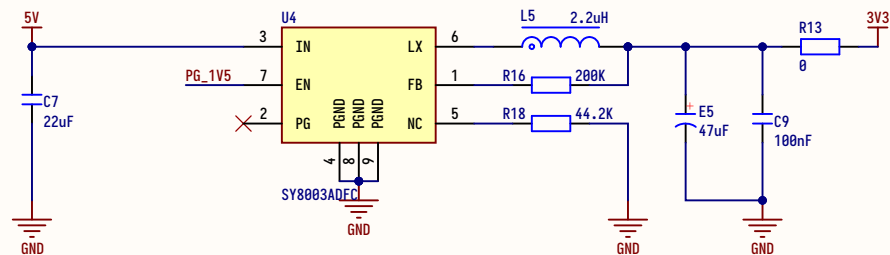
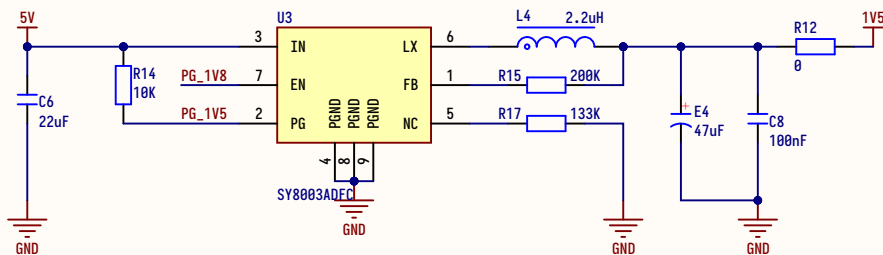
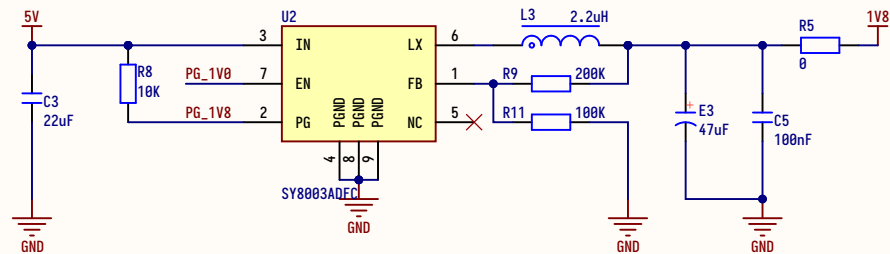
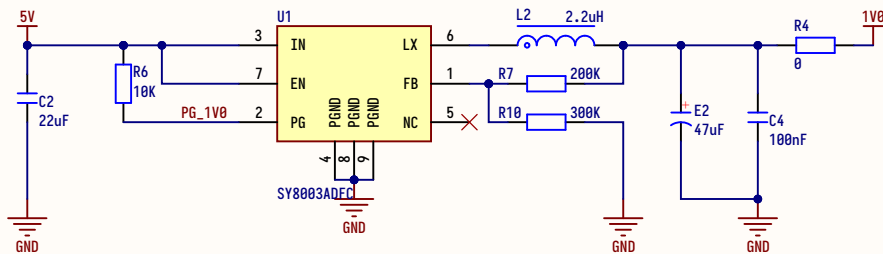
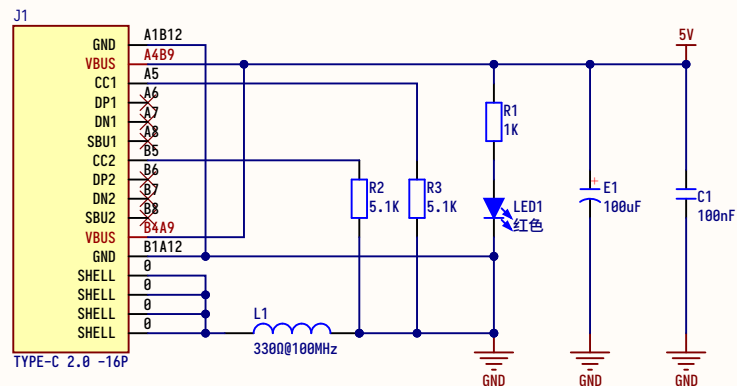
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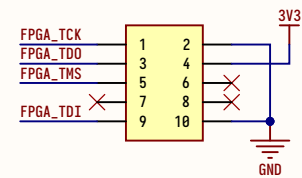
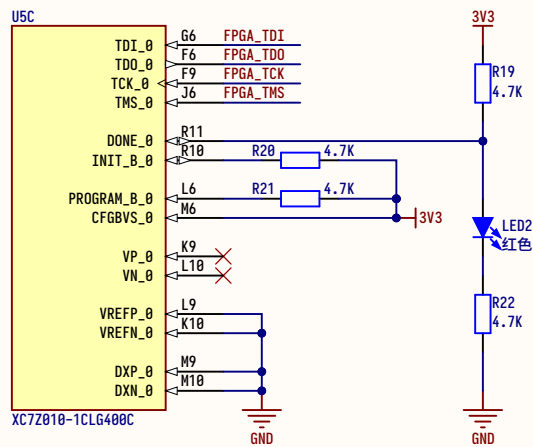
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USA

BANK 34

IO_0_34
IO_L1P_T0_34
IO_L1N_T0_34
IO_L2P_T0_34
IO_L2N_T0_34
IO_L3P_T0_DQS_PUDC_B_34
IO_L3N_T0_DQS_34
IO_L4P_T0_34
IO_L4N_T0_34
IO_L5P_T0_34
IO_L5N_T0_34
IO_L6P_T0_34
IO_L6N_T0_VREF_34
IO_L7P_T1_34
IO_L7N_T1_34
IO_L8P_T1_34
IO_L8N_T1_34
IO_L9P_T1_DQS_34
IO_L9N_T1_DQS_34
IO_L10P_T1_34
IO_L10N_T1_34
IO_L11P_T1_SRCC_34
IO_L11N_T1_SRCC_34
IO_L12P_T1_MRCC_34
IO_L12N_T1_MRCC_34
IO_L13P_T2_MRCC_34
IO_L13N_T2_MRCC_34
IO_L14P_T2_SRCC_34
IO_L14N_T2_SRCC_34
IO_L15P_T2_DQS_34
IO_L15N_T2_DQS_34
IO_L16P_T2_34
IO_L16N_T2_34
IO_L17P_T2_34
IO_L17N_T2_34
IO_L18P_T2_34
IO_L18N_T2_34
IO_L19P_T3_34
IO_L19N_T3_VREF_34
IO_L20P_T3_34
IO_L20N_T3_34
IO_L21P_T3_DQS_34
IO_L21N_T3_DQS_34
IO_L22P_T3_34
IO_L22N_T3_34
IO_L23P_T3_34
IO_L23N_T3_34
IO_L24P_T3_34
IO_L24N_T3_34
IO_25_34

R19
T11
T10
T12
U12
U13
V13
V12
W13
T14
T15
P14
R14
Y16
Y17
W14
Y14
T16
U17
V15
W15
U14
U15
U18
U19
N18
P19
N20
P20
T20
U20
V20
W20
Y18
Y19
V16
W16
R16
R17
T17
R18
V17
V18
W19
N17
P18
P15
P16
T19

FPGA_PL_LED1
FPGA_PL_LED2
FPGA_GPIO34_3P
FPGA_PL_LED3
FPGA_PL_LED4
FPGA_GPIO34_8_P
FPGA_GPIO34_8_N
FPGA_GPIO34_9_P
FPGA_GPIO34_9_N
FPGA_GPIO34_10_P
FPGA_GPIO34_10_N
FPGA_GPIO34_11_P
FPGA_GPIO34_11_N
FPGA_GPIO34_12_P
FPGA_GPIO34_12_N
FPGA_GPIO34_13_P
FPGA_GPIO34_13_N
FPGA_GPIO34_14_P
FPGA_GPIO34_14_N
FPGA_GPIO34_15_P
FPGA_GPIO34_15_N
FPGA_GPIO34_16_P
FPGA_GPIO34_16_N
FPGA_GPIO34_17_P
FPGA_GPIO34_17_N
FPGA_GPIO34_18_P
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FPGA_GPIO34_19_P
FPGA_GPIO34_19_N
FPGA_GPIO34_20_P
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FPGA_GPIO34_21_P
FPGA_GPIO34_21_N
FPGA_GPIO34_22_P
FPGA_GPIO34_22_N
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FPGA_GPIO34_24_N



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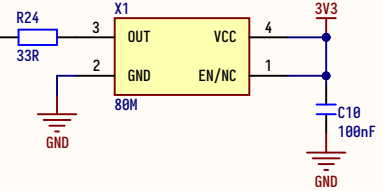
USB

BANK 35

IO_0_35
IO_L1P_T0_AD0P_35
IO_L1N_T0_AD0N_35
IO_L2P_T0_AD0P_35
IO_L2N_T0_AD0N_35
IO_L3P_T0_DQS_AD1P_35
IO_L3N_T0_DQS_AD1N_35
IO_L4P_T0_35
IO_L4N_T0_35
IO_L5P_T0_AD9P_35
IO_L5N_T0_AD9N_35
IO_L6P_T0_35
IO_L6N_T0_VREF_35
IO_L7P_T1_AD2P_35
IO_L7N_T1_AD2N_35
IO_L8P_T1_AD10P_35
IO_L8N_T1_AD10N_35
IO_L9P_T1_DQS_AD3P_35
IO_L9N_T1_DQS_AD3N_35
IO_L10P_T1_AD11P_35
IO_L10N_T1_AD11N_35
IO_L11P_T1_SRCC_35
IO_L11N_T1_SRCC_35
IO_L12P_T1_MRCC_35
IO_L12N_T1_MRCC_35
IO_L13P_T2_MRCC_35
IO_L13N_T2_MRCC_35
IO_L14P_T2_AD4P_SRCC_35
IO_L14N_T2_AD4N_SRCC_35
IO_L15P_T2_DQS_AD12P_35
IO_L15N_T2_DQS_AD12N_35
IO_L16P_T2_35
IO_L16N_T2_35
IO_L17P_T2_AD5P_35
IO_L17N_T2_AD5N_35
IO_L18P_T2_AD13P_35
IO_L18N_T2_AD13N_35
IO_L19P_T3_35
IO_L19N_T3_VREF_35
IO_L20P_T3_AD6P_35
IO_L20N_T3_AD6N_35
IO_L21P_T3_DQS_AD14P_35
IO_L21N_T3_DQS_AD14N_35
IO_L22P_T3_AD7P_35
IO_L22N_T3_AD7N_35
IO_L23P_T3_35
IO_L23N_T3_35
IO_L24P_T3_AD15P_35
IO_L24N_T3_AD15N_35
IO_25_35

G14
C20
B20
B19
A20
E17
D18
D19
D20
E18
E19
F16
F17
M19
M20
M17
M18
L19
L20
K19
J19
L16
L17
K17
K18
H16
H17
J18
H18
F19
F20
G17
G18
J20
H20
G19
G20
H15
G15
K14
J14
N15
N16
L14
L15
M14
M15
K16
J16
J15

HDMI_DATA1_P
HDMI_DATA1_N
HDMI_DATA2_P
HDMI_DATA2_N
HDMI_DATA0_P
HDMI_DATA0_N
HDMI_OUT_EN
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PL_CLK_50M
HDMI_CLK_P
HDMI_CLK_N
FPGA_I2C_SDA2
FPGA_I2C_SCL2



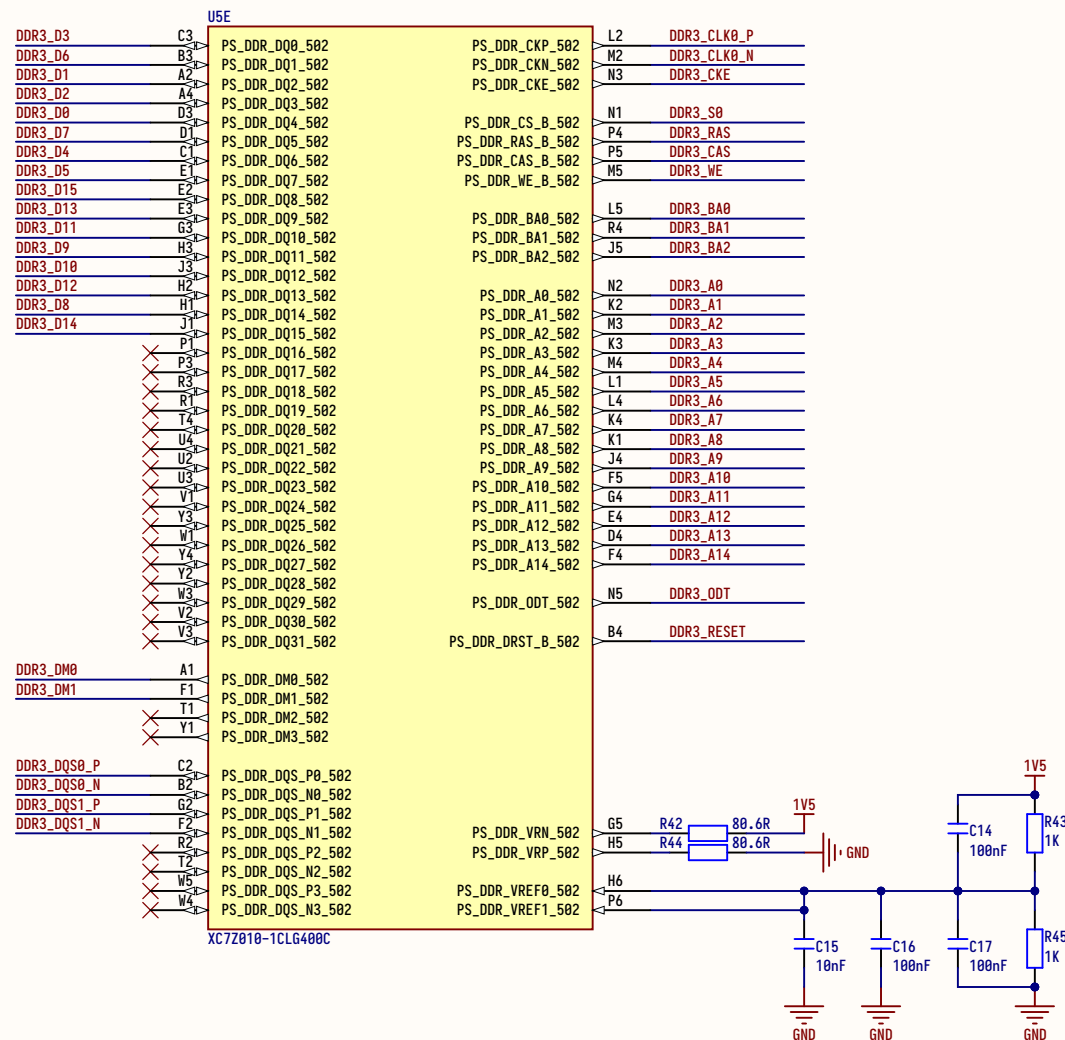
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U5I

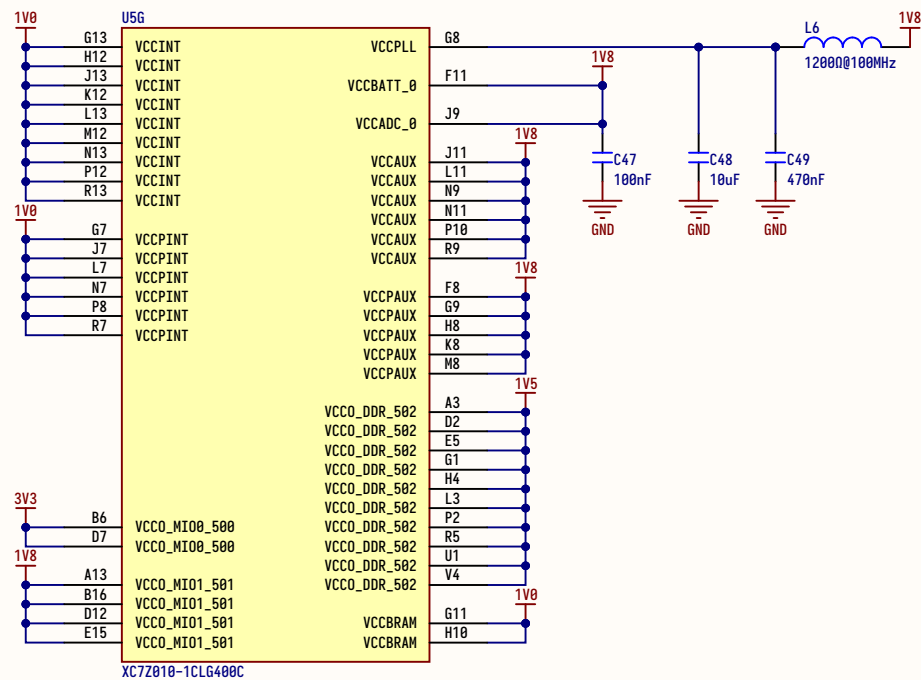
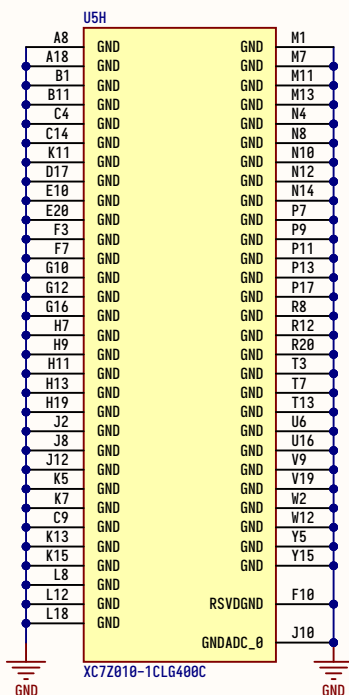
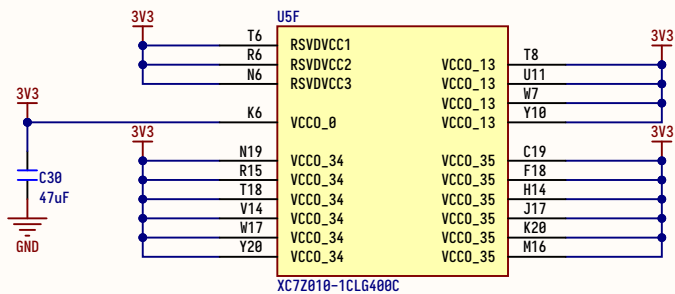
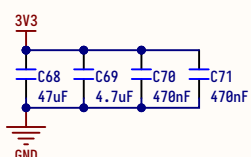
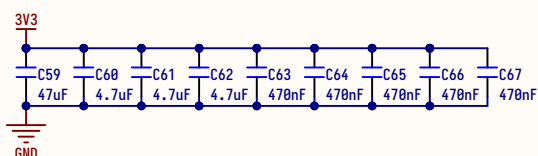
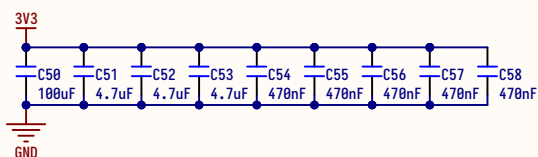
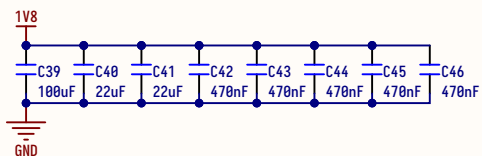
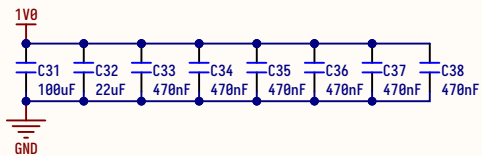
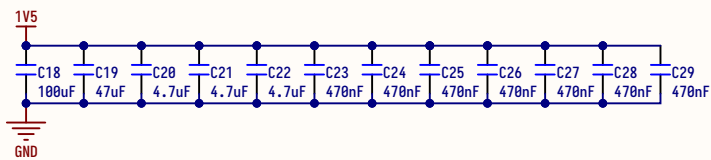
T5
T9
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U7
U8
U9
U10
V5
V6
V7
V8
V10
NC
NC
NC
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NC
NC
NC
NC
NC
NC
NC
V11
W6
W8
W9
W10
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Y7
Y8
Y9
Y11
Y12
Y13

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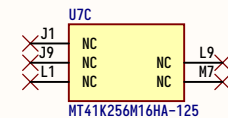
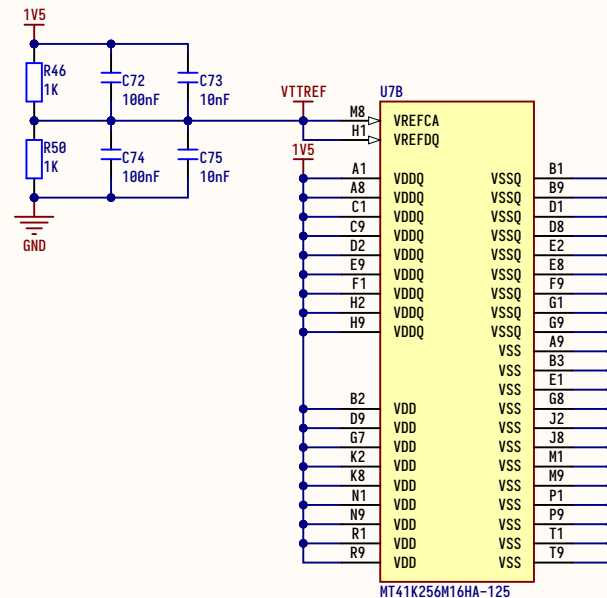
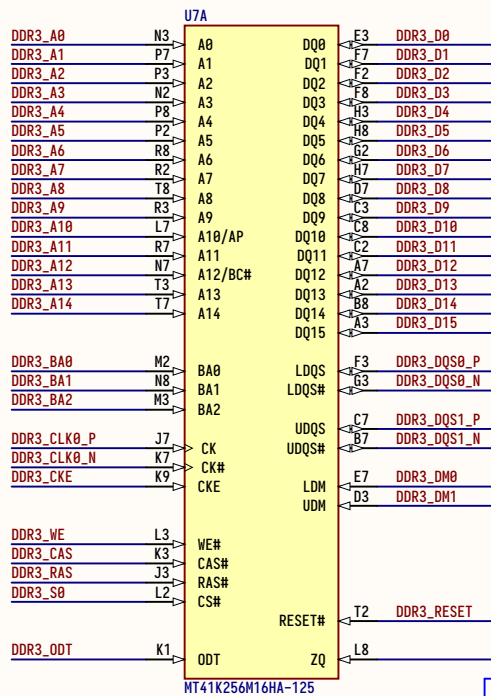
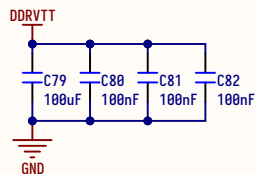
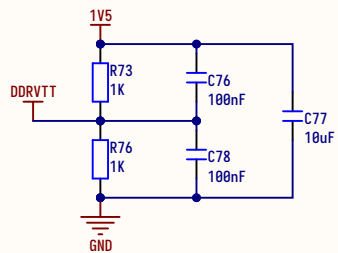
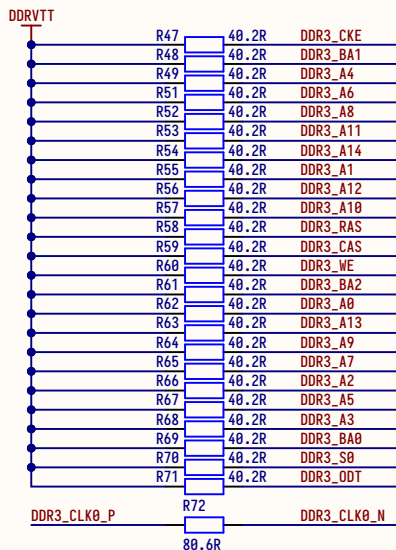
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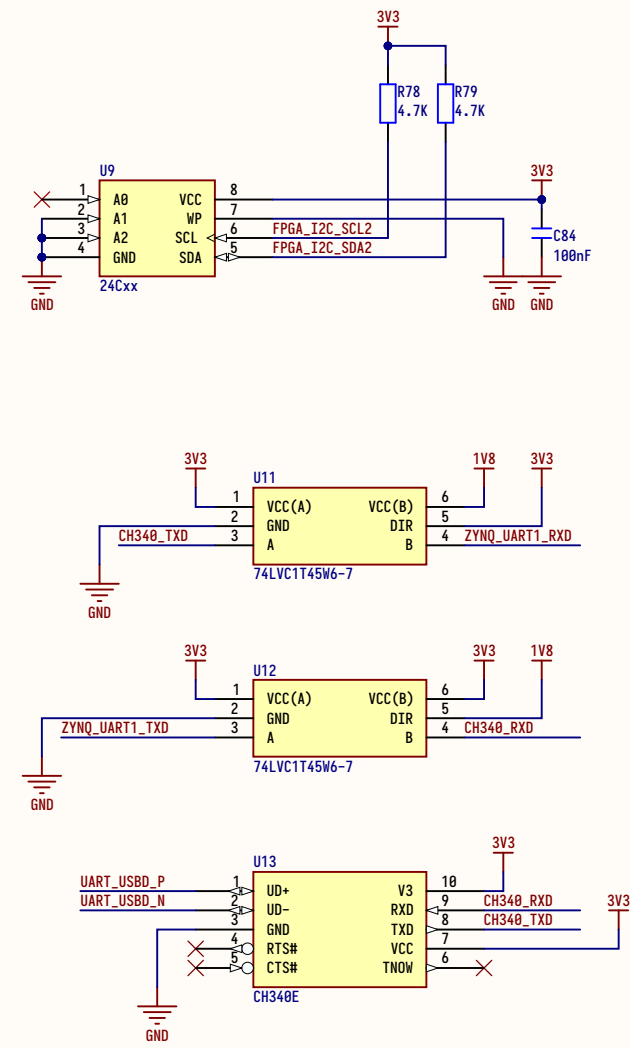
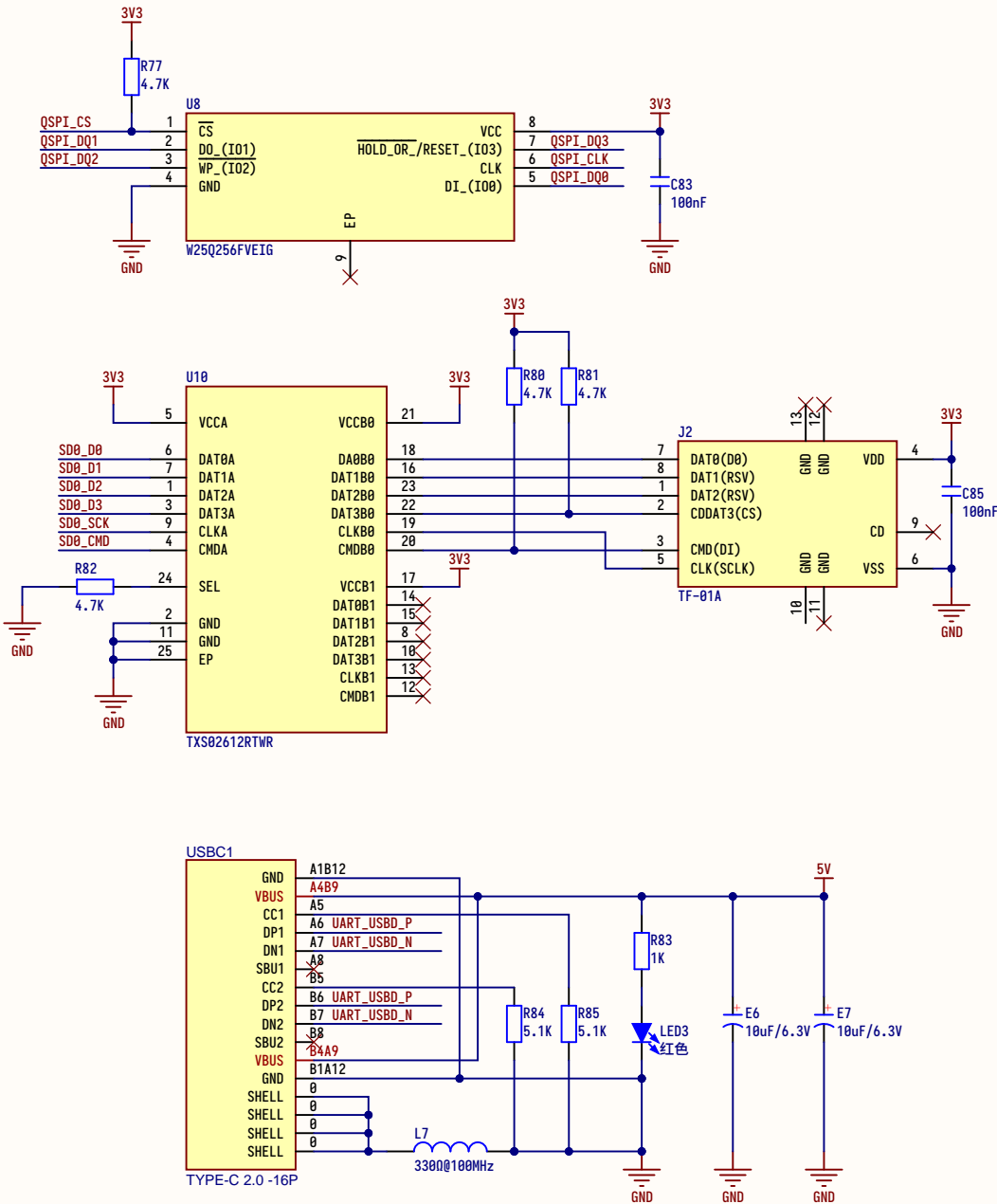
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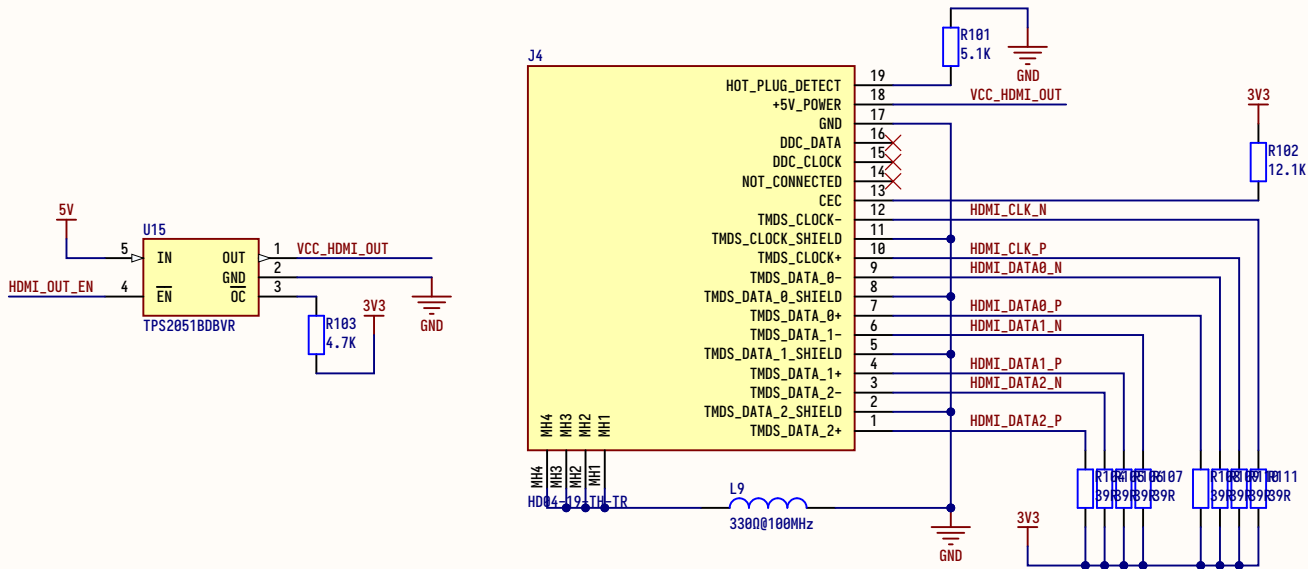
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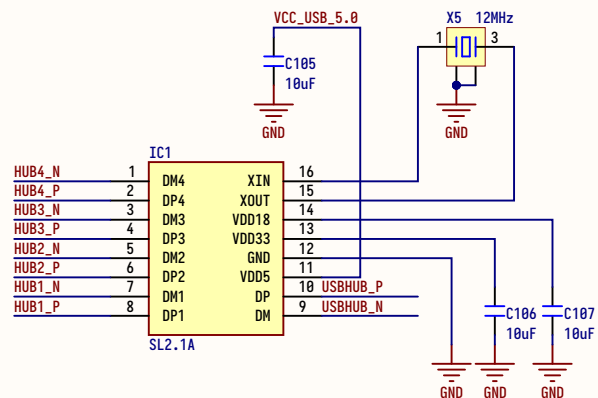
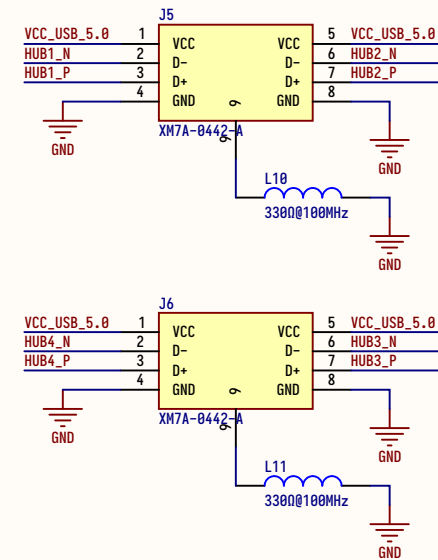
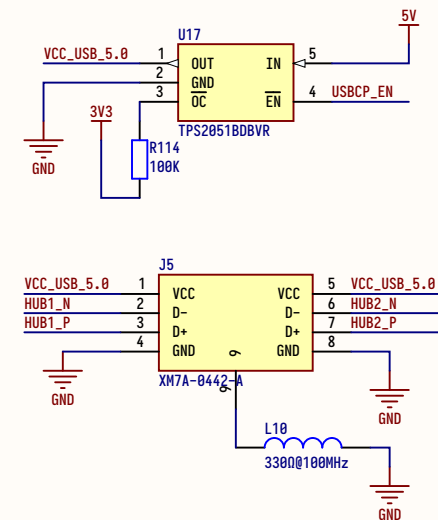
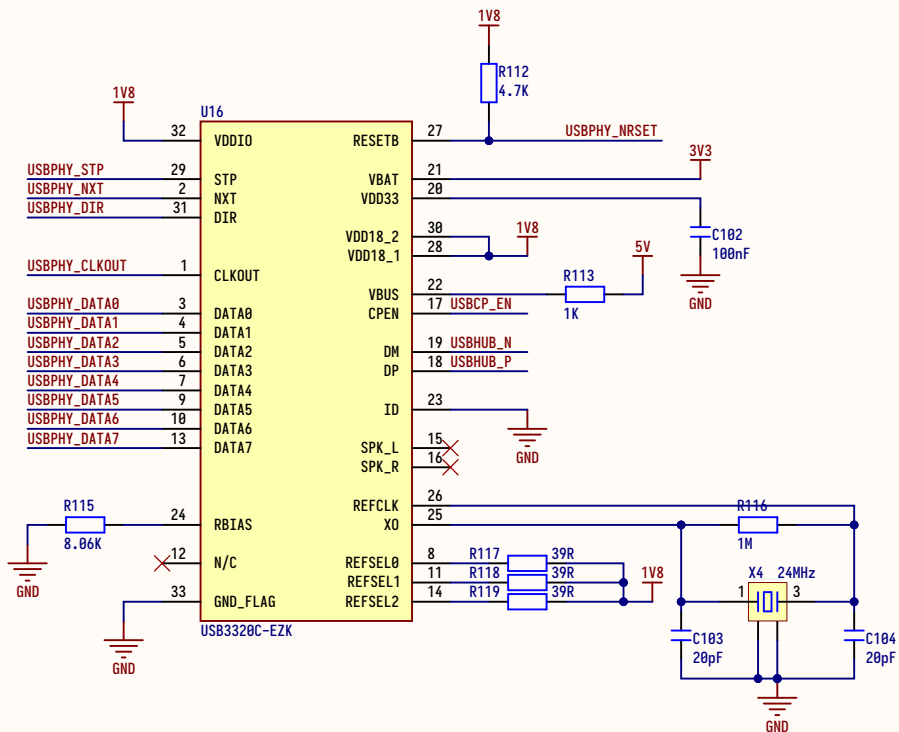
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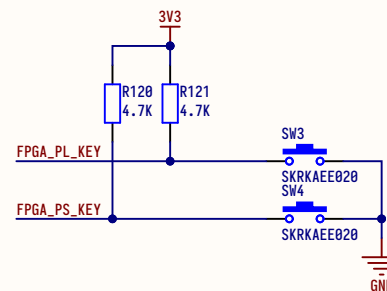
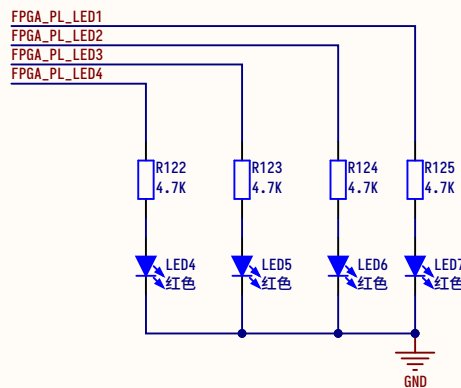
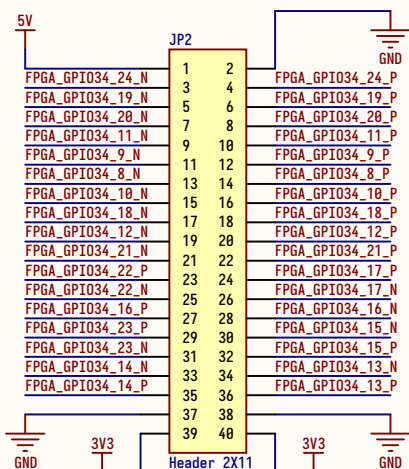
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100nF	无极性贴片电容	C1, C4, C5, C8, C9, C10, C11, C13, C14, C16, C17, C47, C72, C74, C76, C78, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C91, C92, C93, C95, C96, C99, C102	C 0402_L	C	33
22uF	无极性贴片电容	C2, C3, C6, C7, C32, C40, C41	C 0805_L	C	7
10nF	无极性贴片电容	C12, C15, C73, C75	C 0402_L	C	4
100uF	无极性贴片电容	C18, C31, C39, C50, C79	C 0805_L	C	5
47uF	无极性贴片电容	C19, C30, C59, C68	C 0805_L	C	4
4.7uF	无极性贴片电容	C20, C21, C22, C51, C52, C53, C60, C61, C62, C69	C 0603_L	C	10
470nF	无极性贴片电容	C23, C24, C25, C26, C27, C28, C29, C33, C34, C35, C36, C37, C38, C42, C43, C44, C45, C46, C49, C54, C55, C56, C57, C58, C63, C64, C65, C66, C67, C70, C71	C 0805_L	C	31
10uF	无极性贴片电容	C48, C77, C105, C106, C107	C 0603_L	C	5
1uF	无极性贴片电容	C90, C94, C97, C98	C 0402_L	C	4
20pF	无极性贴片电容	C100, C101, C103, C104	C 0805_L	C	4
100uF	贴片铝电容	E1	CD A(3216)	C-CD	1
47uF	贴片铝电容	E2, E3, E4, E5	CD A(3216)	C-CD	4
10uF/6.3V	贴片铝电容	E6, E7	CD A(3216)	C-CD	2
SL2.1A	Integrated Circuit	IC1	SOP16N_L	SL2.1A	1
TYPE-C 2.0 - 16P	USB2.0_Type-C_16Pin母座	J1, USB_C1	USB-C-SMD_16P	USB2.0_Type-C_16Pin	2
TF-01A	TF卡座	J2	TF01A	TF-01A	1
HR911130A	千兆以太网带变压器	J3	HR911130A	HR911130A	1
HD04-19-TH-TR	HDMI接口	J4	HD0419THTR	HD04-19-TH-TR	1
XM7A-0442-A	USB2.0-A双层	J5, J6	XM7A0442A	XM7A-0442-A	2
Header 5x2	5*2排插件	P1	IDC2.54-L1-2x5P	Header 5x2	1
Header 2X11	20*2排插件	P2	IDC2.54-L1-2x20P	Header 20x2	1
330Q@100MHz	小功率贴片电感	L1, L7, L8, L9, L10, L11	L 0805	L	6
2.2uH	贴片功率电感	L2, L3, L4, L5	CD52	L-CD	4
1200Q@100MHz	小功率贴片电感	L6	L 0805	L	1
红色	贴片LED	LED1, LED2, LED3, LED4, LED5, LED6, LED7	LED 0805G	LED-SMD	7
1K	贴片电阻	R1, R23, R29, R31, R43, R45, R46, R50, R73, R76, R83, R87, R113	R 0402_L	R	13
5.1K	贴片电阻	R2, R3, R84, R85, R101	R 0402_L	R	5
0	贴片电阻	R4, R5, R12, R13	R 0603_L	R	4
10K	贴片电阻	R6, R8, R14, R28, R41	R 0402_L	R	5
200K	贴片电阻	R7, R9, R15, R16	R 0805_L	R	4
300K	贴片电阻	R10	R 0805_L	R	1
100K	贴片电阻	R11, R114	R 0805_L	R	2
133K	贴片电阻	R17	R 0805_L	R	1
44.2K	贴片电阻	R18	R 0805_L	R	1
4.7K	贴片电阻	R19, R20, R21, R22, R35, R36, R39, R75, R77, R78, R79, R80, R81, R82, R86, R88, R89, R90, R91, R92, R93, R94, R95, R96, R99, R103, R112, R120, R121, R122, R123, R124, R125	R 0402_L	R	33
33R	贴片电阻	R24, R25, R34, R40	R 0805_L	R	4
20K	贴片电阻	R26, R27, R30, R32, R33, R37, R38	R 0805_L	R	7
80.6R	贴片电阻	R42, R44, R72	R 0805_L	R	3
40.2R	贴片电阻	R47, R48, R49, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71	R 0805_L	R	24
240R	贴片电阻	R74, R97, R98	R 0805_L	R	3
2.49K	贴片电阻	R100	R 0402_L	R	1
12.1K	贴片电阻	R102	R 0805_L	R	1
39R	贴片电阻	R104, R105, R106, R107, R108, R109, R110, R111, R117, R118, R119	R 0805_L	R	11
8.06K	贴片电阻	R115	R 0402_L	R	1
1M	贴片电阻	R116	R 0402_L	R	1
DSIC02LSGET	2路拨动开关	SW1	SOP25-4P930X445-4N	DSIC02LSGET	1
SKRKAEE020	2*9x3.9轻触开关	SW2, SW3, SW4	SKRKAEE020	SKRKAEE020	3
SY8003ADFC	开关电源	U1, U2, U3, U4	SON50P200X200X6.5-9N	SY8003ADFC	4
XC7Z010-1CLG400C	ZYNQ7000芯片	U5	CLG400	XC7Z010-1CLG400C	1
MAX8911TNG	电压检测器芯片	U6	SOT23-3L	MAX8911TNG	1
MT41K256M16HA-125	DDR3-16位数据-14位地址	U7	BGA96C80PX16_800X1300X120	MT41K256M16HA-125	1
W25Q256FVEIG	外置Flash	U8	SON127P800X600X80-9N-D	W25Q256FVEIG	1
24Cxx	外置EEPROM	U9	SOP8_L	24Cxx	1
TXS02612RTWR	SD/TF卡芯片	U10	CFN24.4x4_L	TXS02612RTWR	1
74LVC1T45W6-7	单向电平转换	U11, U12	SOT23-6L	74LVC1T45W6-7	2
CH340E	USB转串口	U13	MSOP10_L	CH340E	1
RTL8211E-VB-CG	以太网芯片	U14	QFN48 7X7_L	RTL8211E-VB-CG	1
TPS2051BD8VR	锂电池充电芯片	U15, U17	SOT23-5N	TPS2051BD8VR	2
USB3320C-EZK	USB集线器芯片	U16	QFN42 6x6_M	USB3320C-EZK	1
80M	4脚有源晶振	X1	OSC 1612-4P	XTAL-ACT-4P	1
33.333333MHz	4脚有源晶振	X2	OSC 1612-4P	XTAL-ACT-4P	1
26M	4脚无源晶振	X3	OSC 1612-4P	XTAL-4P	1
24MHz	4脚无源晶振	X4	OSC 1612-4P	XTAL-4P	1
12MHz	4脚无源晶振	X5	OSC 1612-4P	XTAL-4P	1