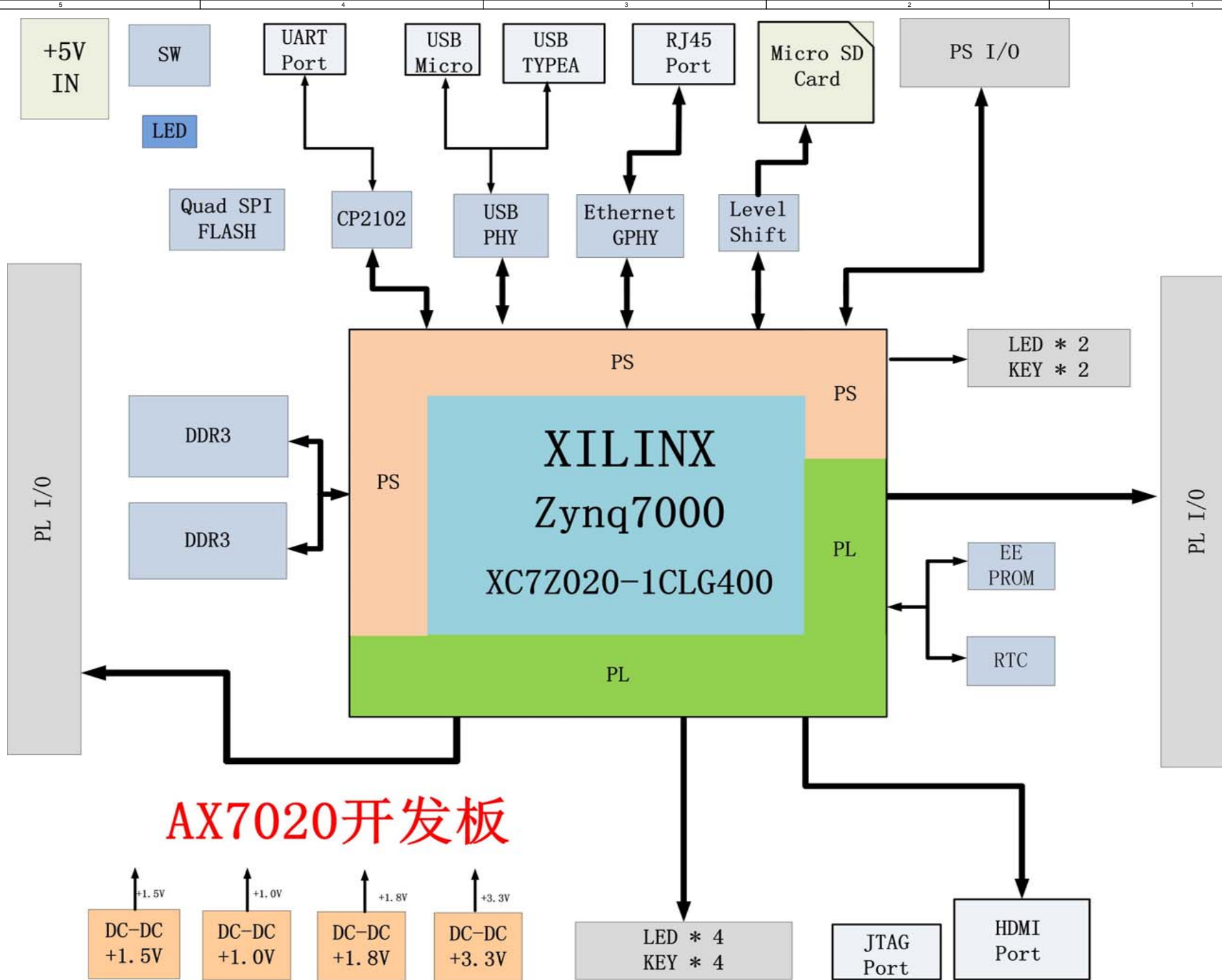


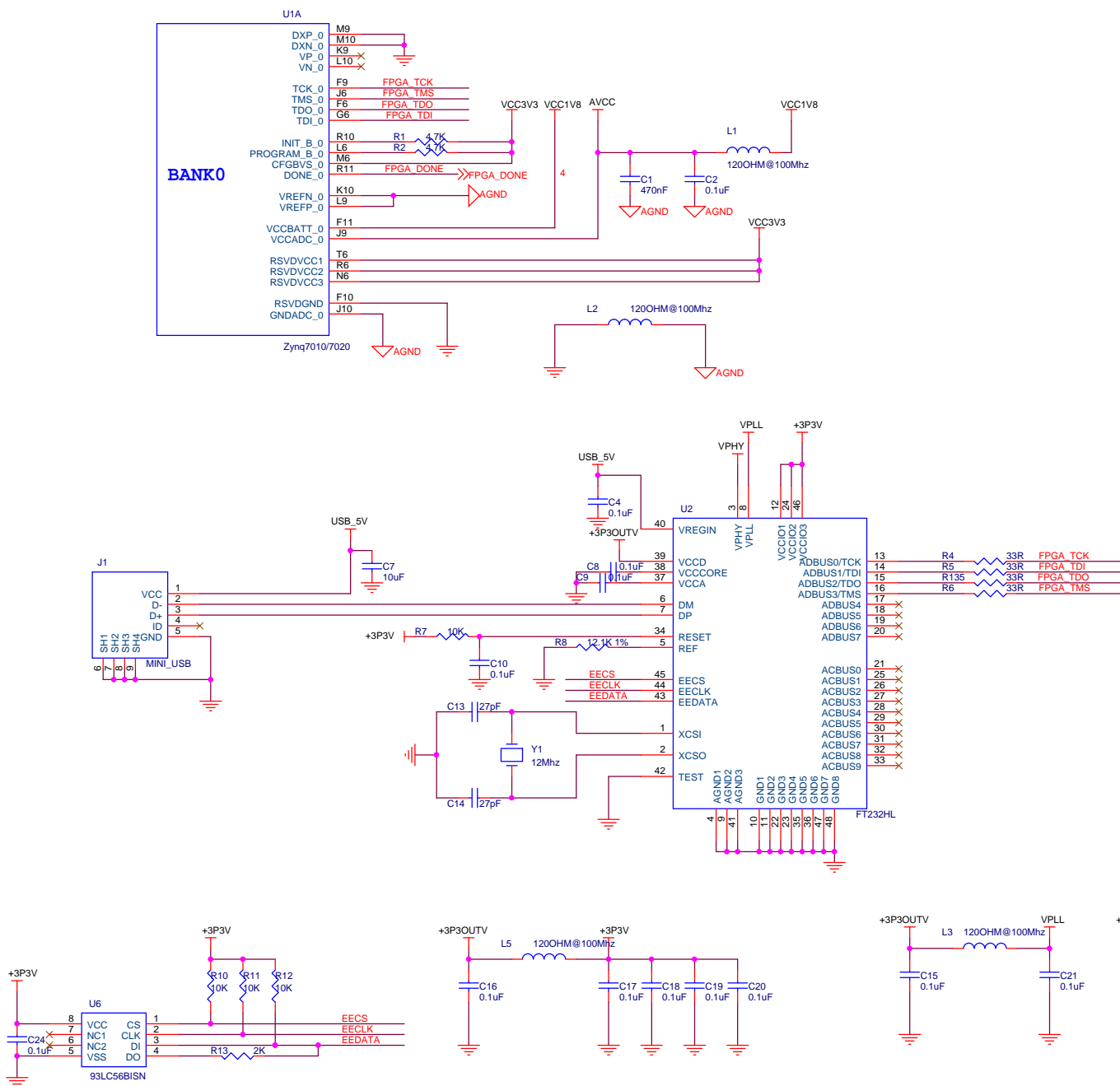
REV	Description	Date
V1.0	First Release	2016-7-12

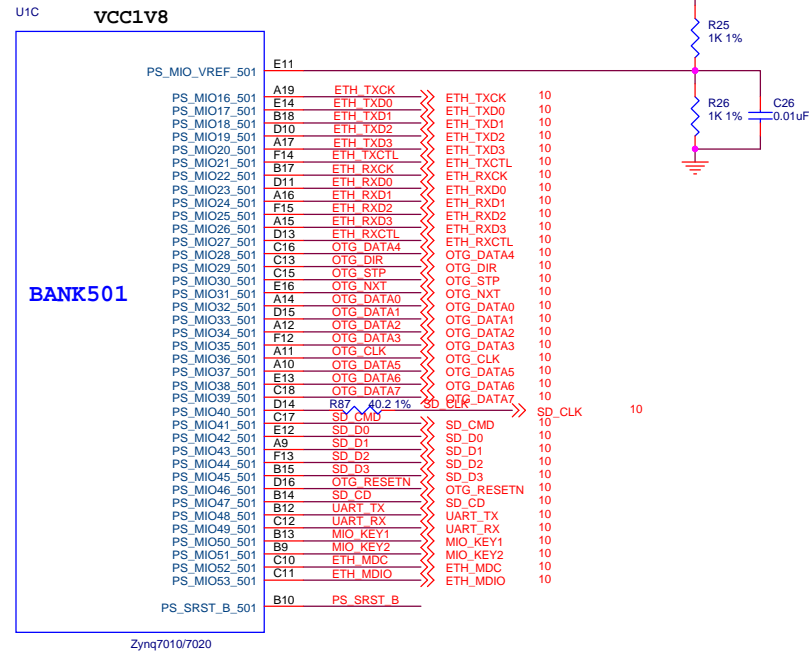
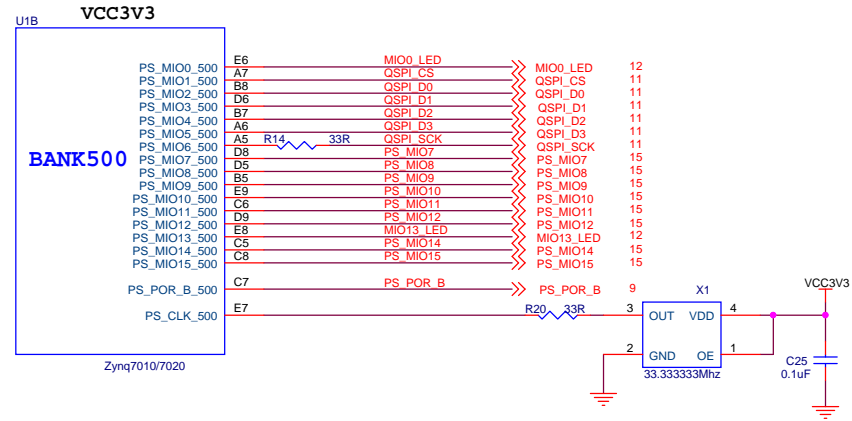
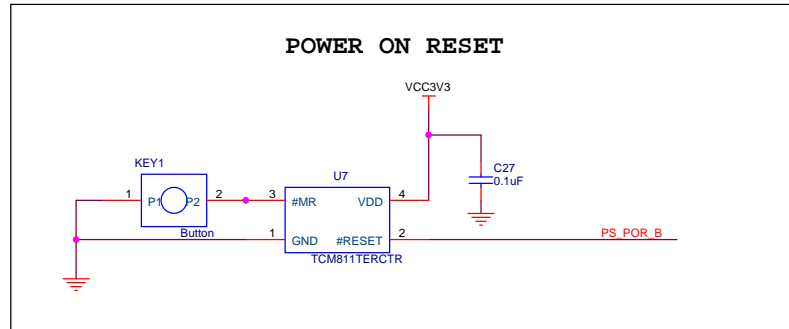
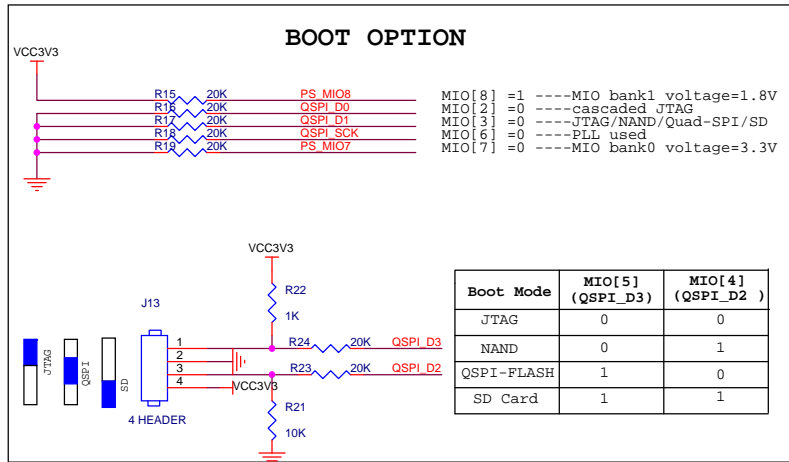
# AX7010/AX7020 Schematics

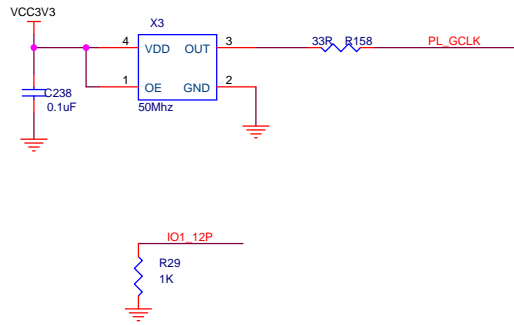
## 黑金ZYNQ硬件平台

Page Number	Description
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Page04	Zynq-7000 MIO Config
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11 RTC\_SCLK  
11 EEPROM\_I2C\_SCL  
15 IO1\_15P  
15 IO1\_14N  
15 IO1\_12P  
15 IO1\_12N  
15 IO1\_13P  
15 IO1\_13N  
15 IO1\_11N  
15 IO1\_2P  
15 IO1\_2N  
15 IO1\_3P  
15 IO1\_3N  
15 IO1\_5P  
15 IO1\_5N  
15 IO1\_9P  
15 IO1\_9N  
15 IO1\_4P  
15 IO1\_4N

### VCC3V3 BANK34

IO\_0\_34  
IO\_25\_34  
IO\_L11P\_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\_T2\_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

U14  
U15  
U18  
U19  
N18  
P19  
N20  
P20  
T20  
U20  
V20  
W20  
Y18  
Y19  
V16  
W16  
R16  
R17  
T17  
R18  
V18  
W18  
W19  
N17  
P18  
P15  
P16  
IO1\_7P  
IO1\_7N  
PL\_GCLK  
EEPROM\_I2C\_SDA  
HDMI\_CLK\_P  
HDMI\_CLK\_N  
HDMI\_D2\_P  
HDMI\_D2\_N  
HDMI\_D1\_P  
HDMI\_D1\_N  
HDMI\_D0\_P  
HDMI\_D0\_N  
HDMI\_CEC  
HDMI\_HPD  
HDMI\_OUT\_EN  
HDMI\_SDA  
KEY4  
KEY3  
HDMI\_SCL  
IO1\_10P  
IO1\_10N  
IO1\_1P  
IO1\_1N  
IO1\_6P  
IO1\_6N  
IO1\_8P  
IO1\_8N

Zynq7010/7020

### VCC3V3 BANK13 (Z7020 Only)

IO\_L6N\_T0\_VREF\_13  
IO\_L11P\_T1\_SRCC\_13  
IO\_L11N\_T1\_SRCC\_13  
IO\_L12P\_T1\_MRCC\_13  
IO\_L12N\_T1\_MRCC\_13  
IO\_L13P\_T2\_MRCC\_13  
IO\_L13N\_T2\_MRCC\_13  
IO\_L14P\_T2\_SRCC\_13  
IO\_L14N\_T2\_SRCC\_13  
IO\_L15P\_T2\_DQS\_13  
IO\_L15N\_T2\_DQS\_13  
IO\_L16P\_T2\_13  
IO\_L16N\_T2\_13  
IO\_L17P\_T2\_13  
IO\_L17N\_T2\_13  
IO\_L18P\_T2\_13  
IO\_L18N\_T2\_13  
IO\_L19P\_T3\_13  
IO\_L19N\_T3\_VREF\_13  
IO\_L20P\_T3\_13  
IO\_L20N\_T3\_13  
IO\_L21P\_T3\_DQS\_13  
IO\_L21N\_T3\_DQS\_13  
IO\_L22P\_T3\_13  
IO\_L22N\_T3\_13

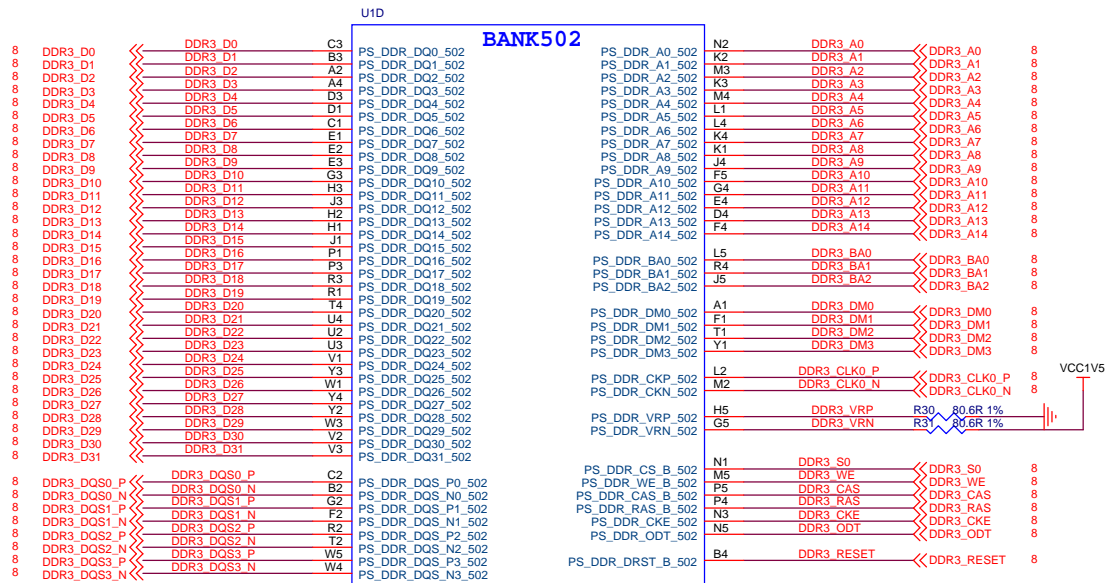
Zynq7010/7020

### VCCIO BANK35

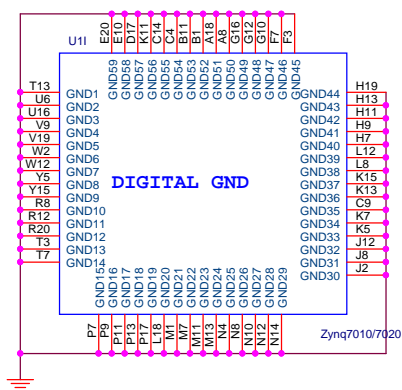
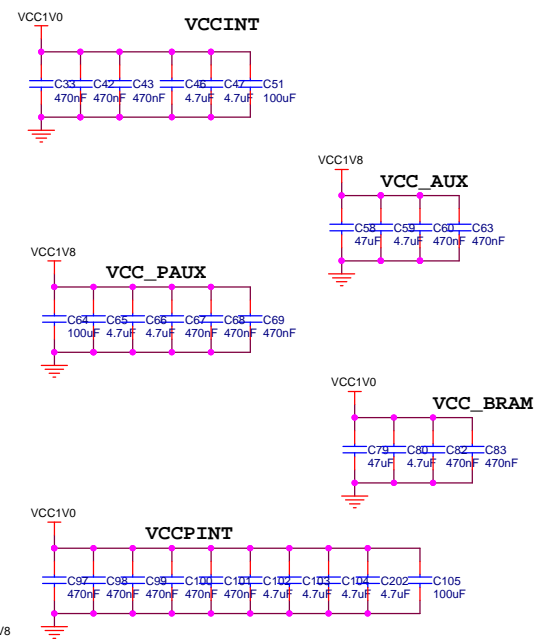
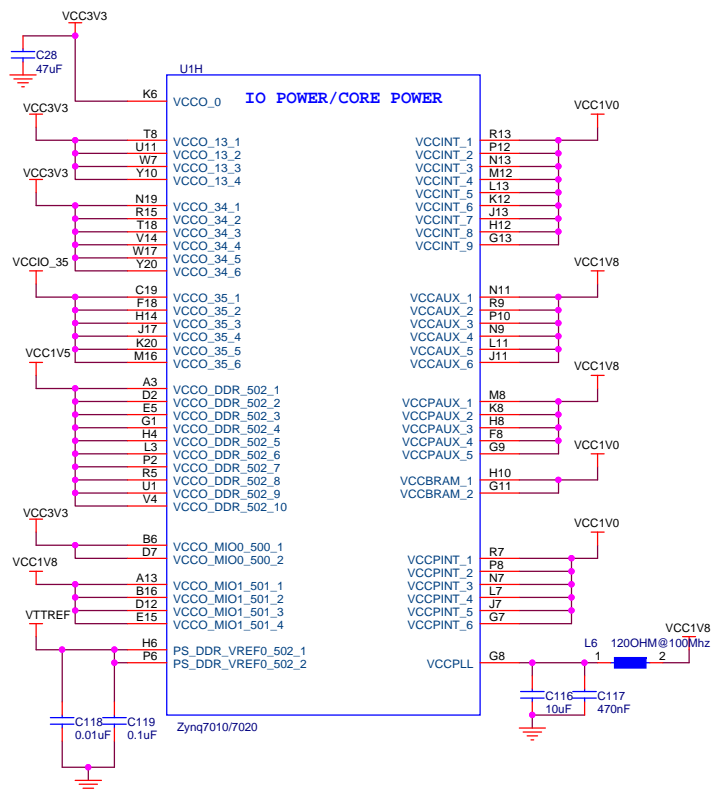
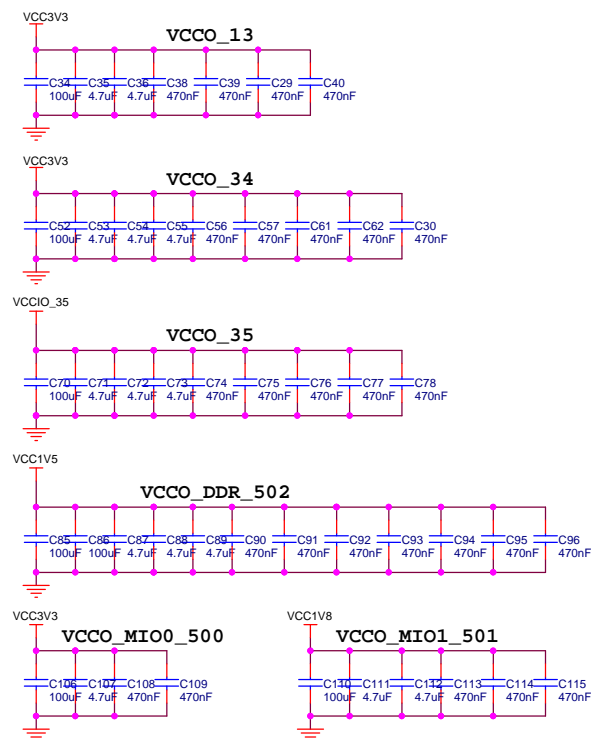
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IO\_25\_35  
IO\_L11P\_T0\_AD0P\_35  
IO\_L11N\_T0\_AD0N\_35  
IO\_L12P\_T0\_AD8P\_35  
IO\_L12N\_T0\_AD8N\_35  
IO\_L3P\_T0\_DQS\_AD1P\_35  
IO\_L3N\_T0\_DQS\_AD1N\_35  
IO\_L4P\_T0\_35  
IO\_L4N\_T0\_35  
IO\_L5P\_T0\_AD9P\_35  
IO\_L5N\_T0\_AD9N\_35  
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

L16  
L17  
K17  
K18  
H16  
H17  
J18  
H18  
F19  
F20  
G17  
G18  
J20  
H20  
G19  
G20  
H15  
G15  
K14  
J14  
N15  
N16  
L14  
M14  
M15  
K16  
J16  
IO2\_10P  
IO2\_10N  
IO2\_7P  
IO2\_7N  
IO2\_15P  
IO2\_15N  
IO2\_4P  
IO2\_4N  
IO2\_2P  
IO2\_2N  
IO2\_14P  
IO2\_14N  
IO2\_9P  
IO2\_9N  
IO2\_3P  
IO2\_3N  
IO2\_16P  
IO2\_16N  
IO2\_17P  
IO2\_17N  
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KEY2  
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RTC\_RESET  
LED1  
LED2  
LED3  
LED4

Zynq7010/7020

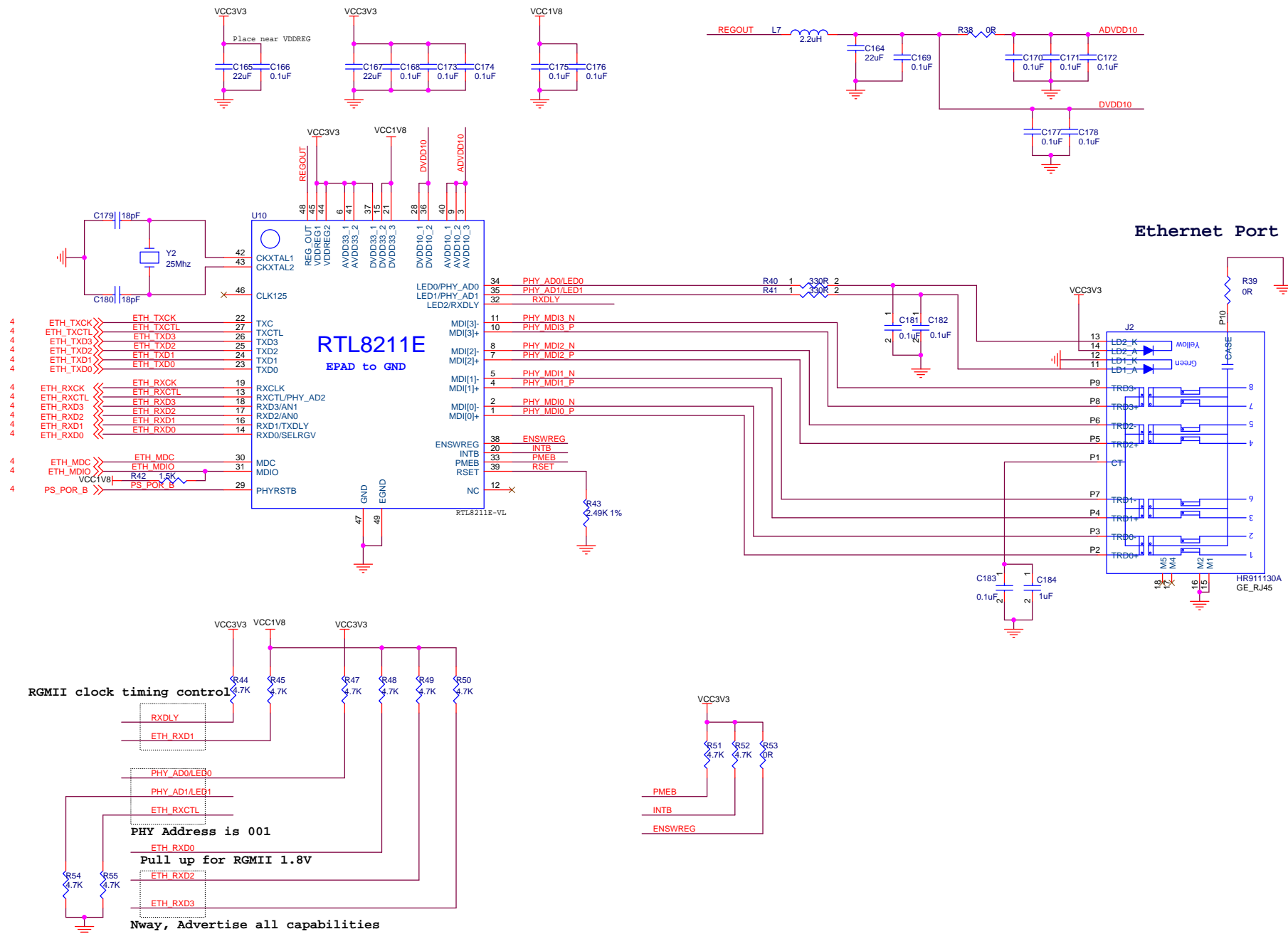


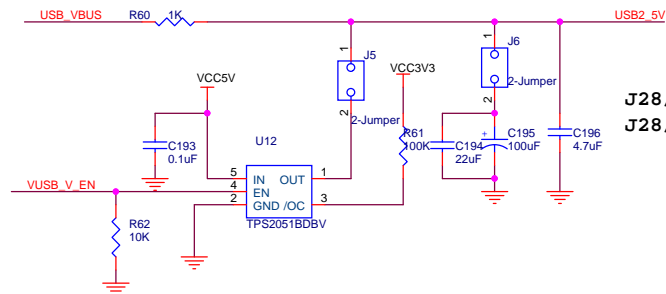
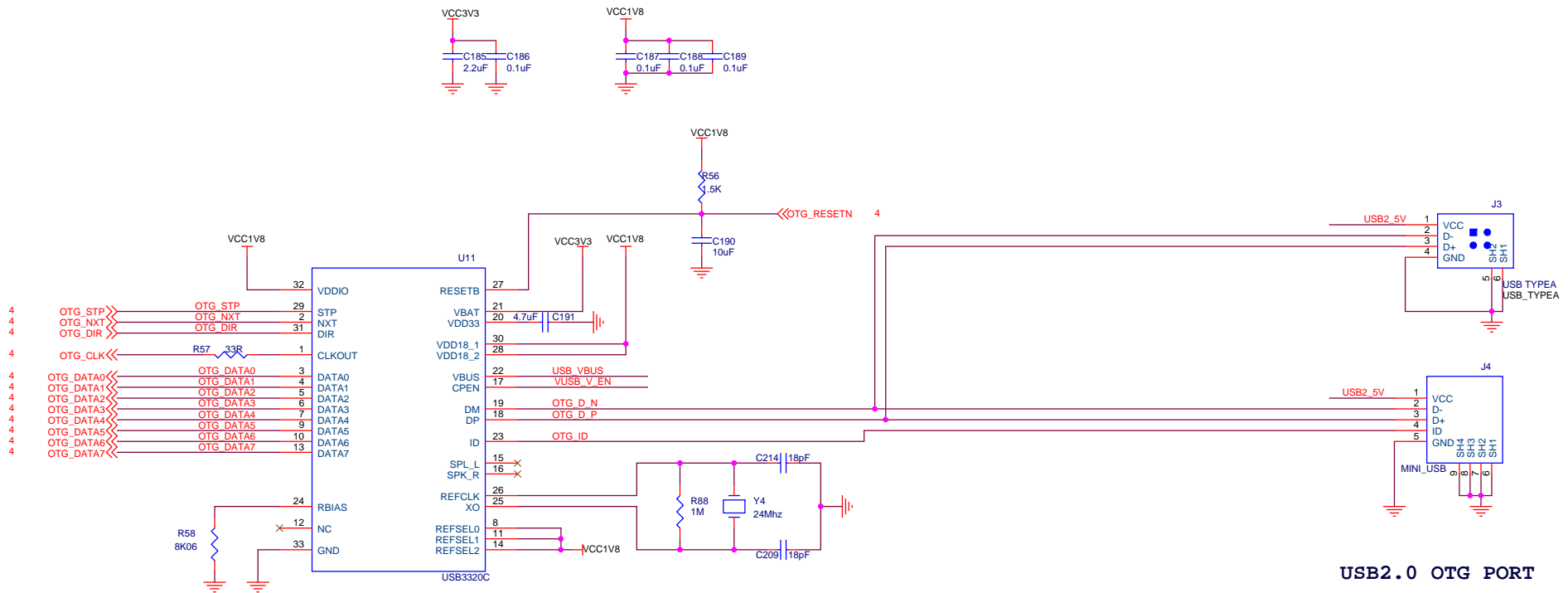
Zynq7010/7020

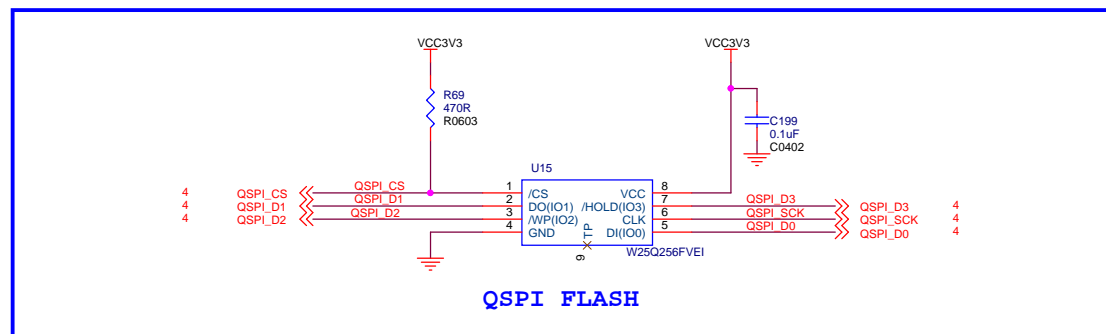
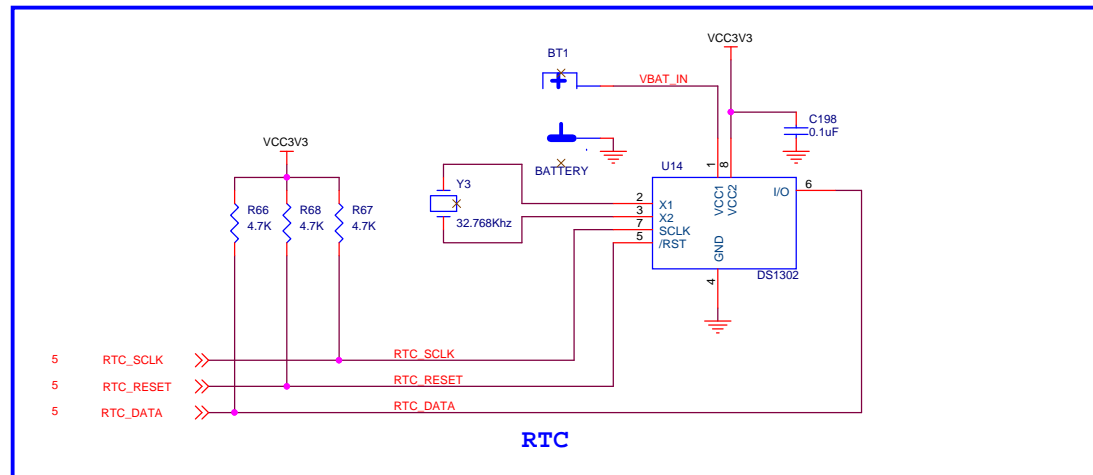
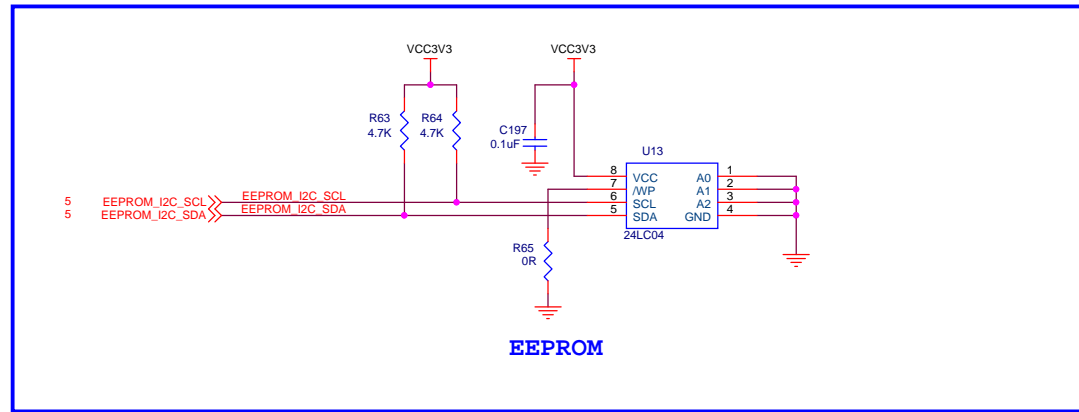


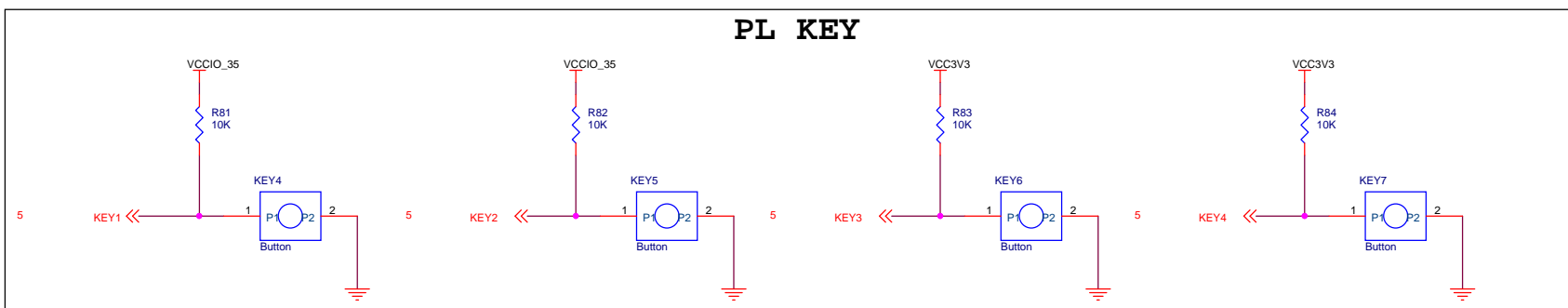
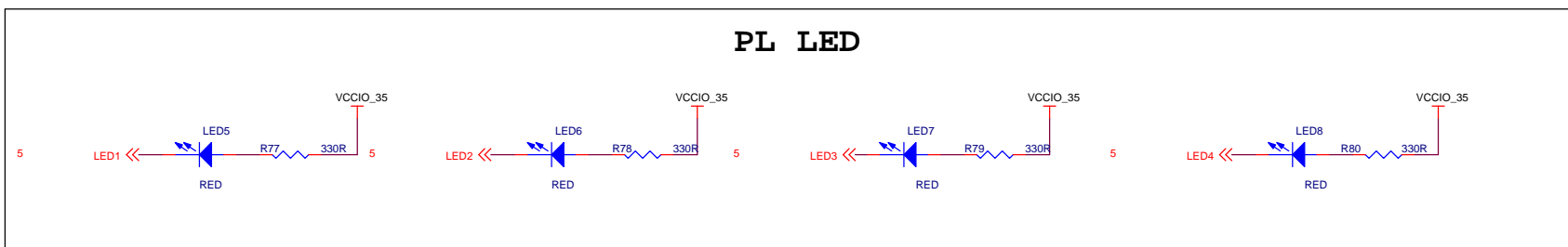
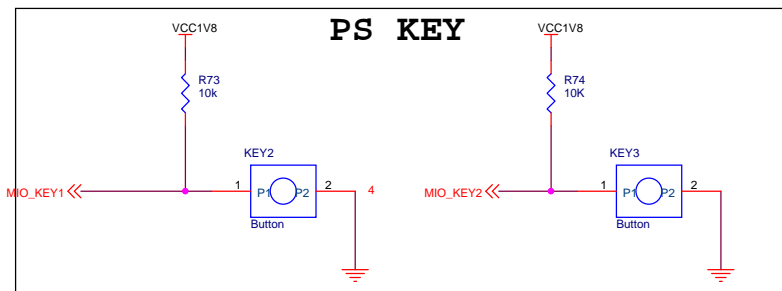
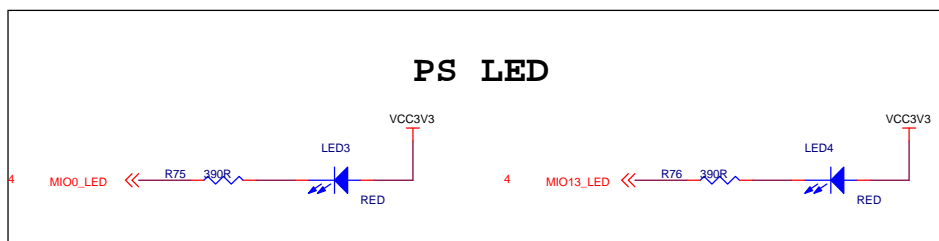
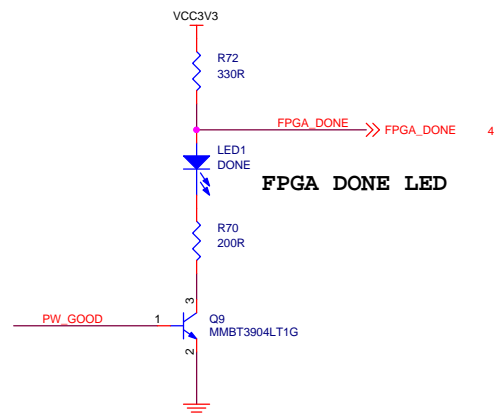
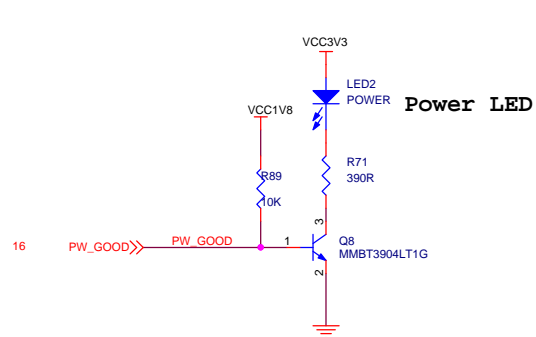




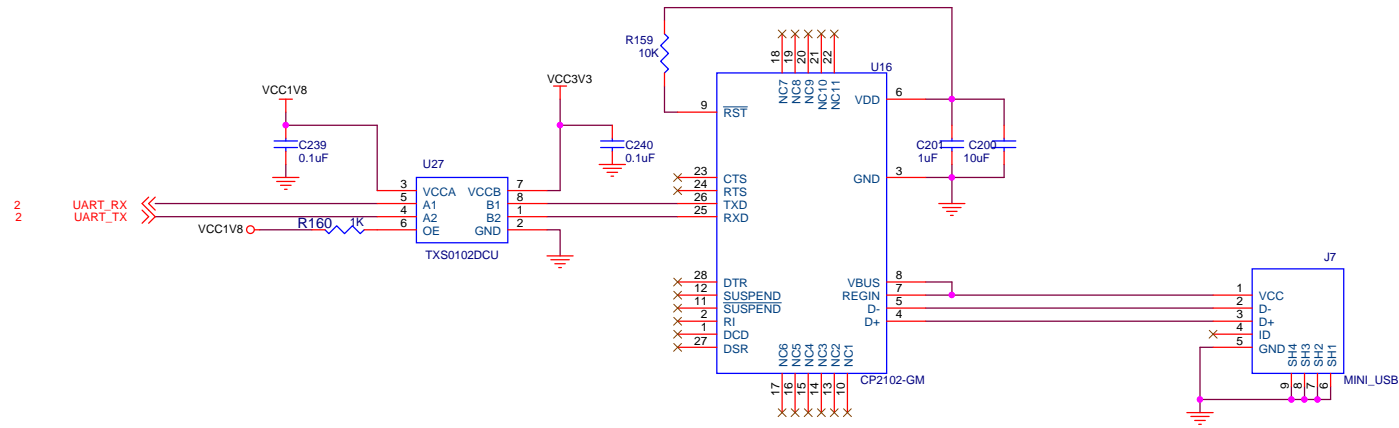




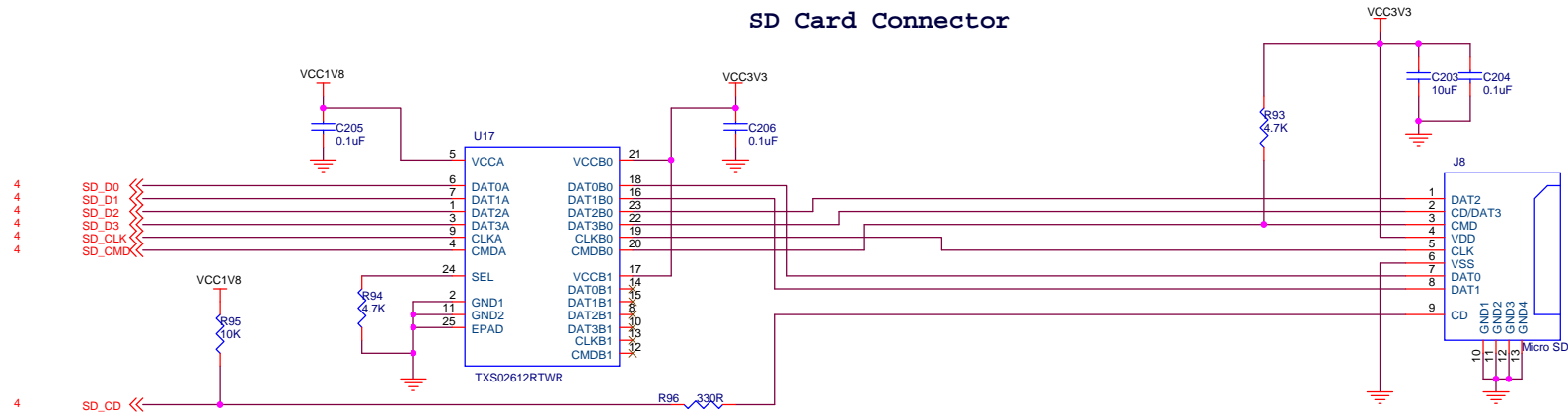


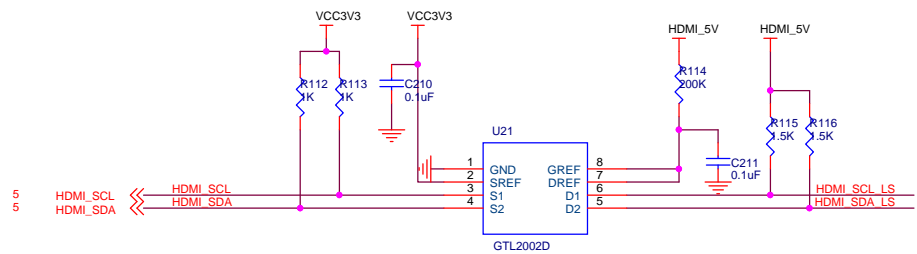
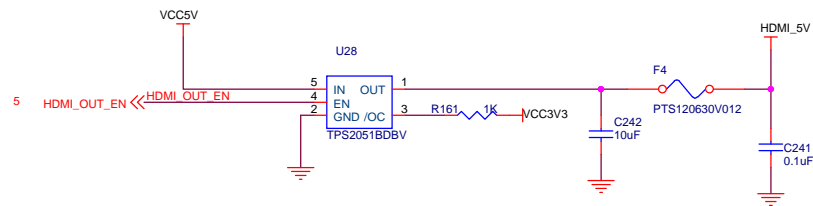
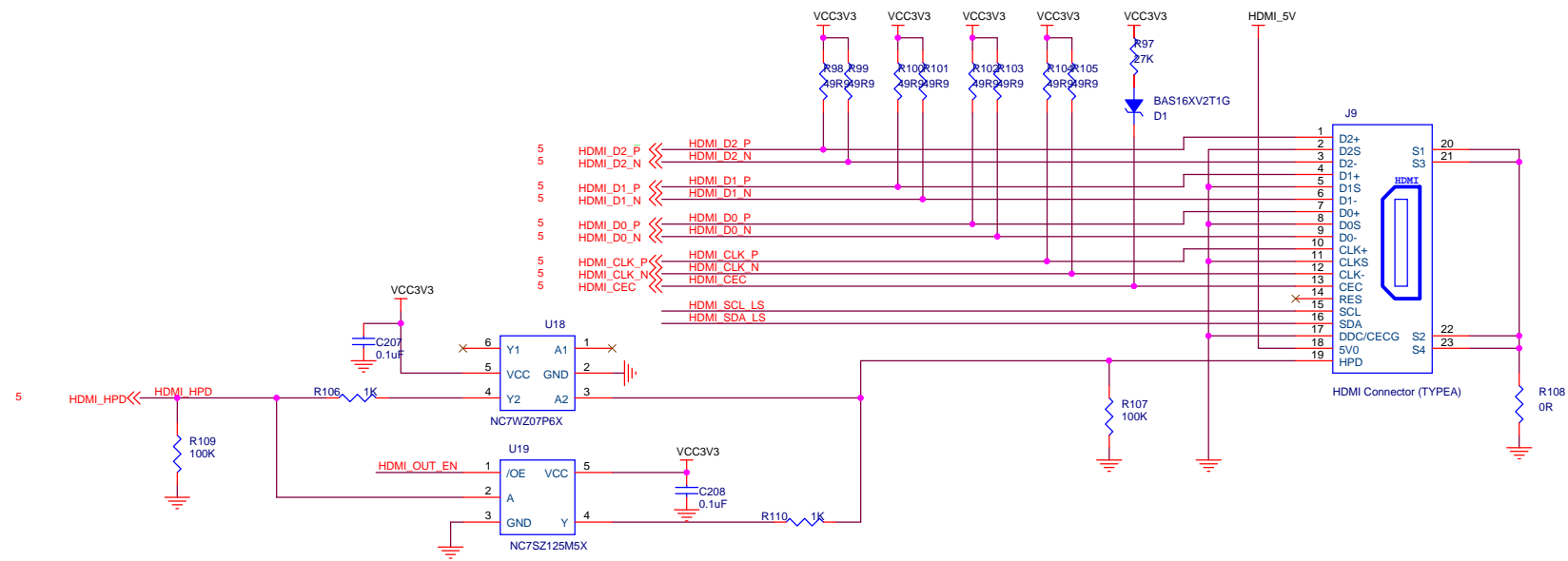


## USB Uart



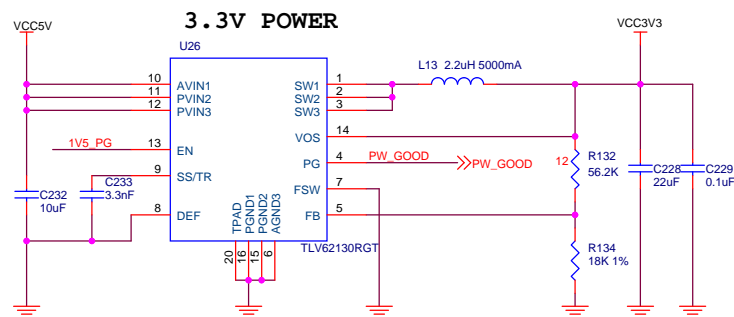
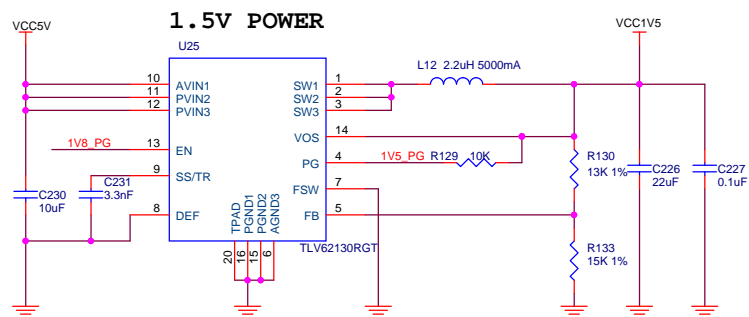
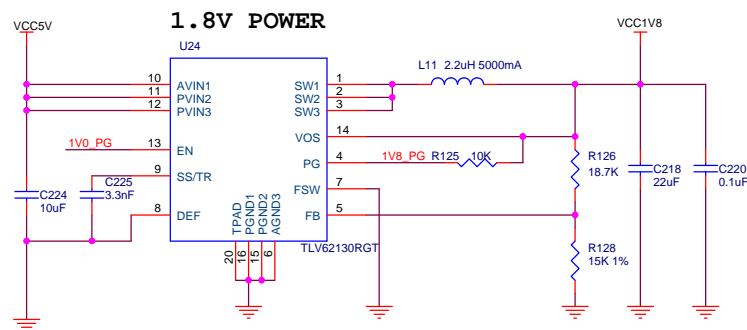
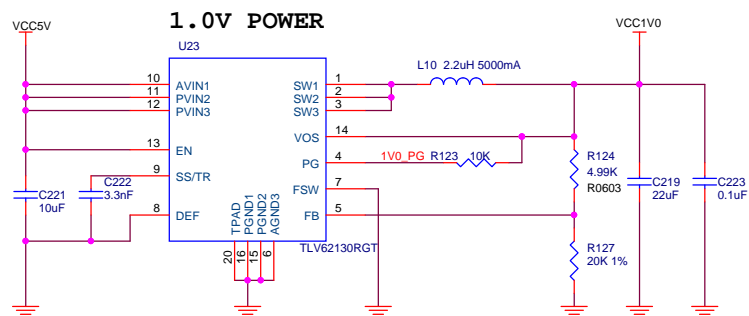
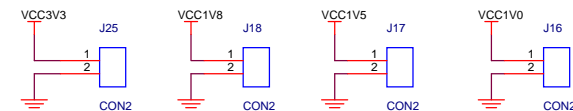
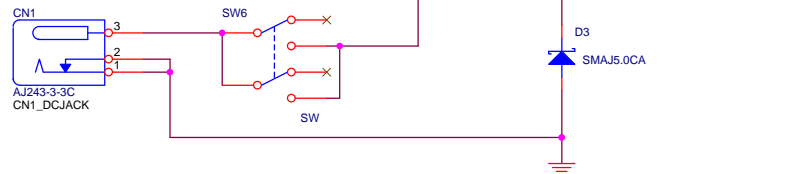
## SD Card Connector







## 5V/2A AC Adapter



## Power On Sequence:

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

