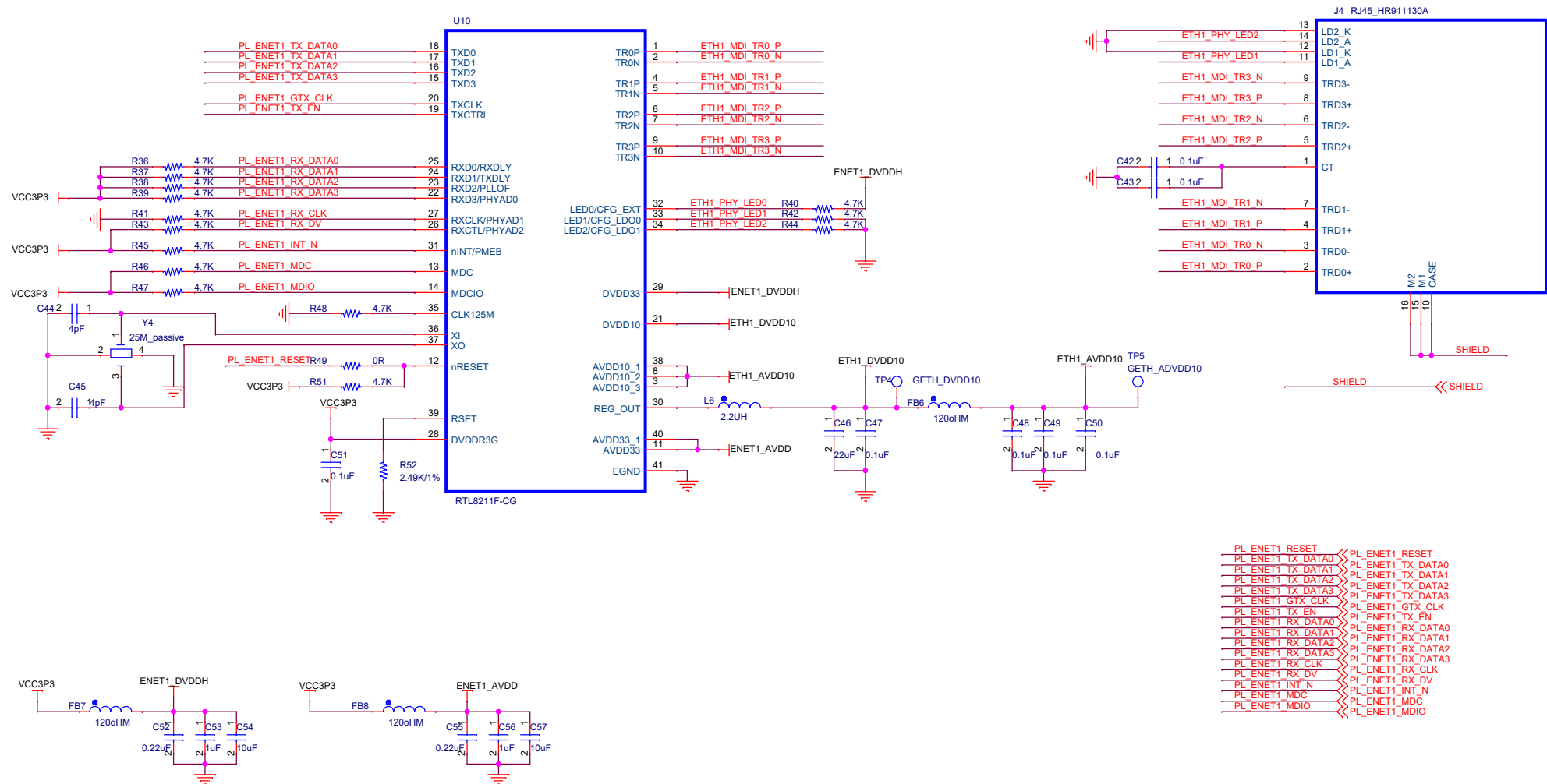


PL ETH

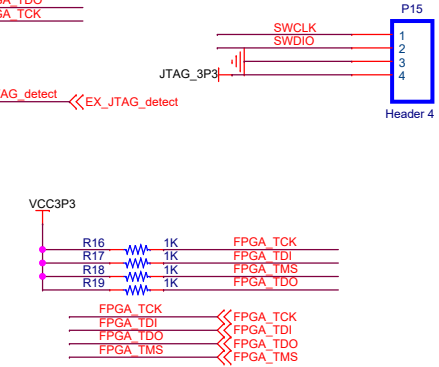
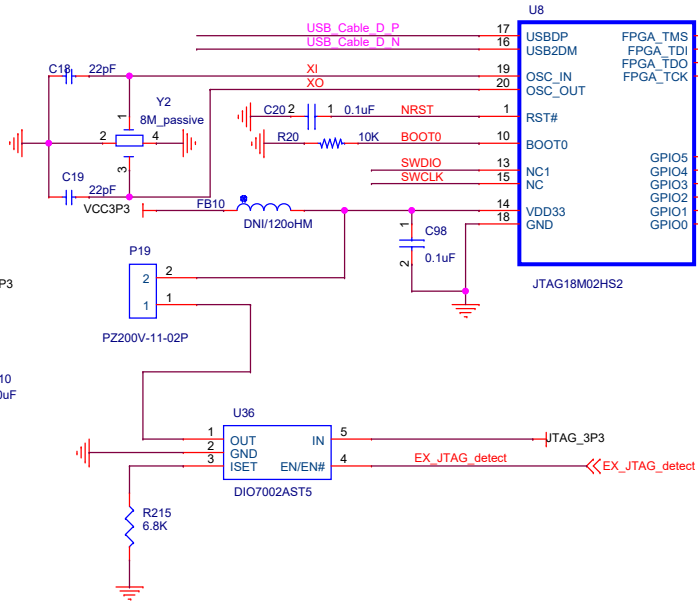
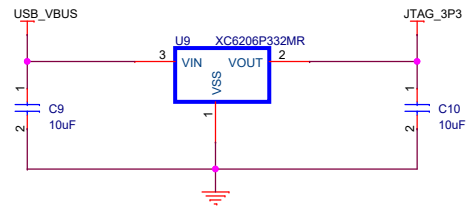
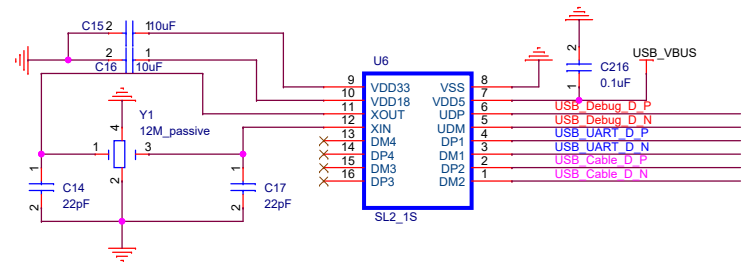
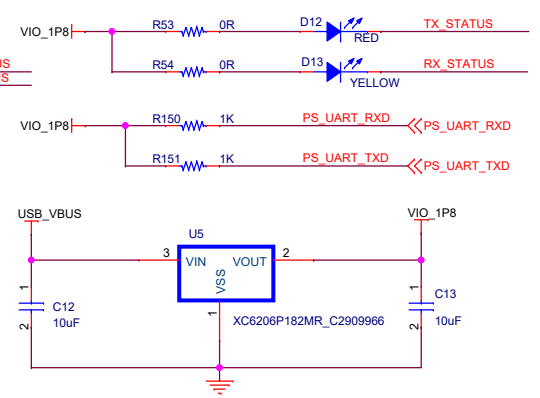
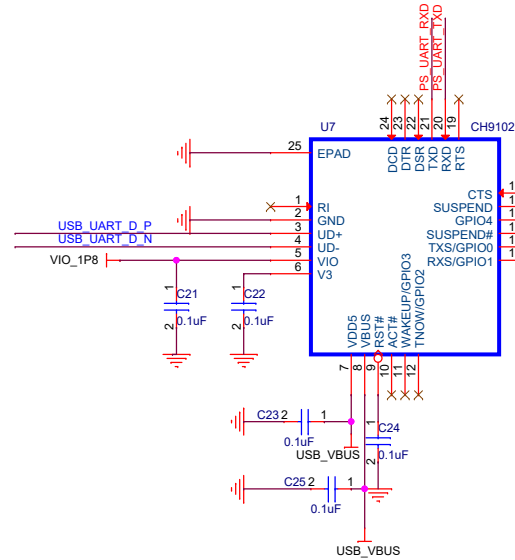
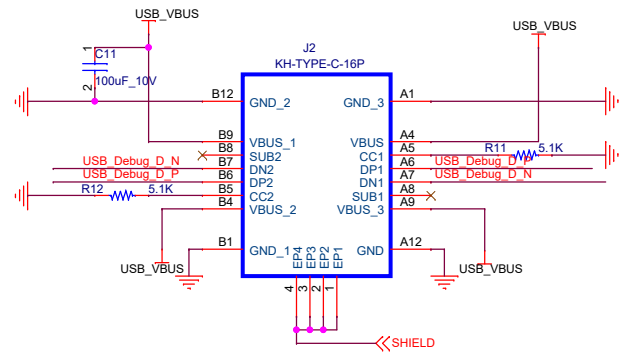


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AC820-CB			
Size A3	Document Number 03_PL_ETH	Rev 03_PL_ETH	
Date:	Wednesday, June 19, 2024	Sheet	3 of 3

USB Type-C-->USB HUB

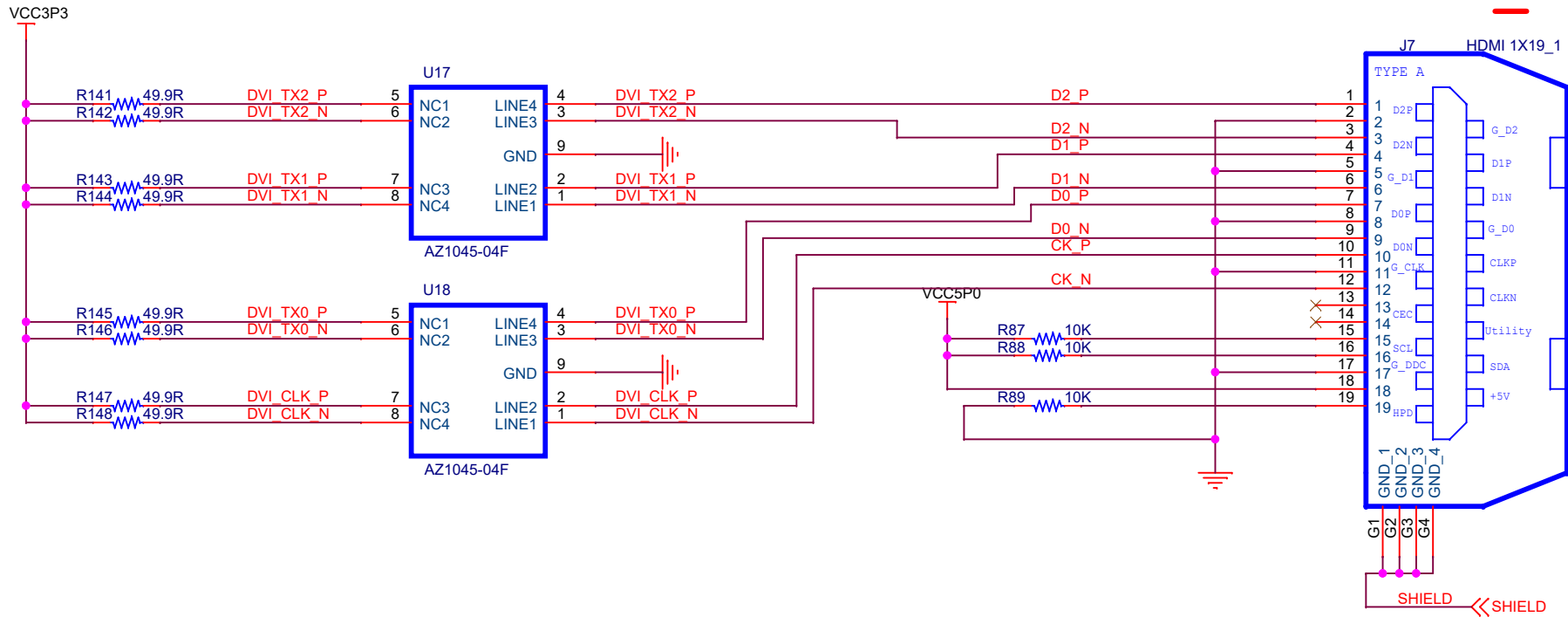
-->UART

-->JTAG



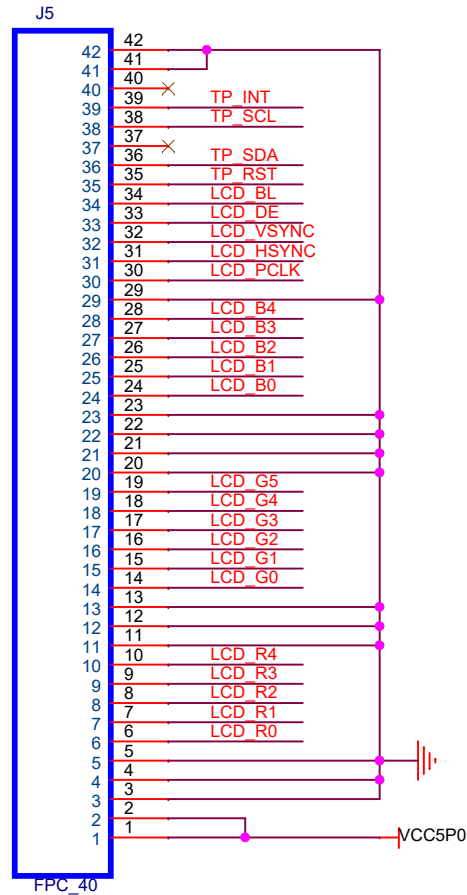
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AC820-CB			
Size	Document Number		Rev
A3	04_Debug_Port		04_Debug_Port
Date:	Wednesday, June 19, 2024		Sheet 4 of 4

DVI TX2 P
DVI TX2 N
DVI TX1 P
DVI TX1 N
DVI TX0 P
DVI TX0 N
DVI CLK P
DVI CLK N



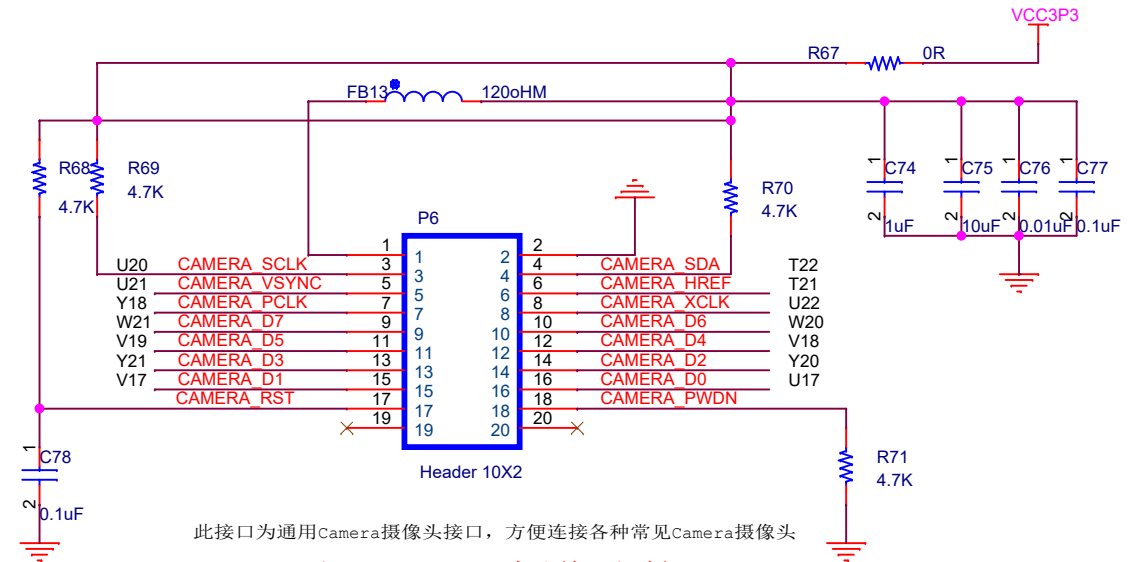
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AC820-CB		
Size	Document Number	Rev
A4	06_HDMI_2	06_HDMI_2
Date:	Wednesday, June 19, 2024	Sheet 6 of 6

LCD



翻盖下接40P 0.5mm FPC排线座

CAMARE

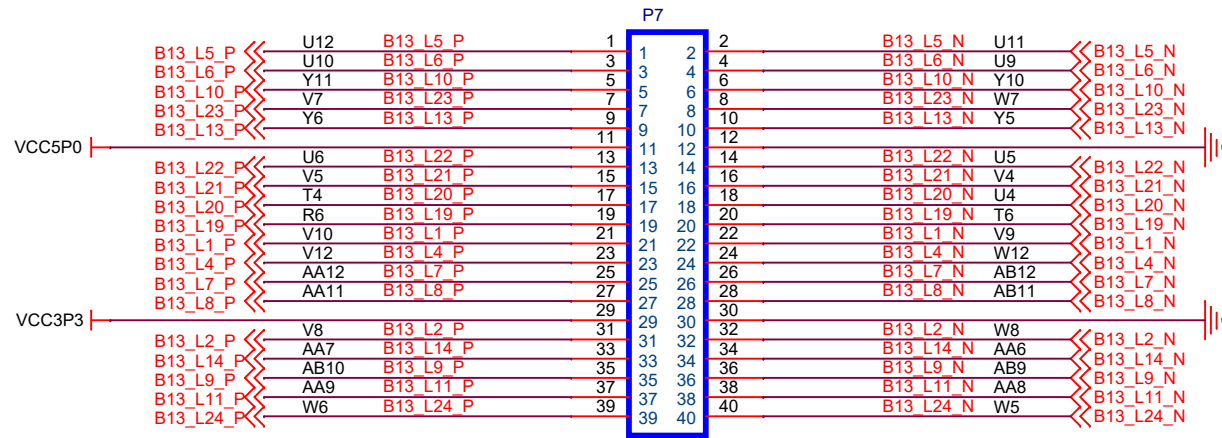


此接口为通用Camera摄像头接口，方便连接各种常见Camera摄像头

通用Camera摄像头接口

HDMI_B0	HDMI_B0	LCD_B0	LCD_B0	CAMERA_D0	CAMERA_D0
HDMI_B1	HDMI_B1	LCD_B1	LCD_B1	CAMERA_D1	CAMERA_D1
HDMI_B2	HDMI_B2	LCD_B2	LCD_B2	CAMERA_D2	CAMERA_D2
HDMI_B3	HDMI_B3	LCD_B3	LCD_B3	CAMERA_D3	CAMERA_D3
HDMI_B4	HDMI_B4	LCD_B4	LCD_B4	CAMERA_D4	CAMERA_D4
HDMI_G0	HDMI_G0	LCD_G0	LCD_G0	CAMERA_D5	CAMERA_D5
HDMI_G1	HDMI_G1	LCD_G1	LCD_G1	CAMERA_D6	CAMERA_D6
HDMI_G2	HDMI_G2	LCD_G2	LCD_G2	CAMERA_D7	CAMERA_D7
HDMI_G3	HDMI_G3	LCD_G3	LCD_G3	CAMERA_SDA	CAMERA_SDA
HDMI_G4	HDMI_G4	LCD_G4	LCD_G4	CAMERA_SCLK	CAMERA_SCLK
HDMI_G5	HDMI_G5	LCD_G5	LCD_G5	CAMERA_PCLK	CAMERA_PCLK
HDMI_R0	HDMI_R0	LCD_R0	LCD_R0	CAMERA_HREF	CAMERA_HREF
HDMI_R1	HDMI_R1	LCD_R1	LCD_R1	CAMERA_VSYNC	CAMERA_VSYNC
HDMI_R2	HDMI_R2	LCD_R2	LCD_R2	CAMERA_XCLK	CAMERA_XCLK
HDMI_R3	HDMI_R3	LCD_R3	LCD_R3	TP_INT	TP_INT
HDMI_R4	HDMI_R4	LCD_R4	LCD_R4	TP_SCL	TP_SCL
HDMI_PCLK	HDMI_PCLK	LCD_PCLK	LCD_PCLK	TP_SDA	TP_SDA
HDMI_DE	HDMI_DE	LCD_DE	LCD_DE	TP_RST	TP_RST
HDMI_HSYNC	HDMI_HSYNC	LCD_HSYNC	LCD_HSYNC	LCD_BL	LCD_BL
HDMI_VSYNC	HDMI_VSYNC	LCD_VSYNC	LCD_VSYNC		

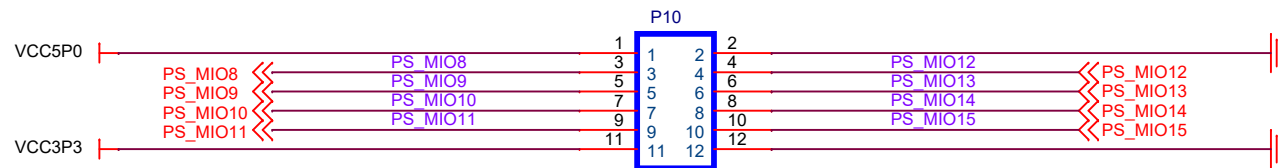
Title		
AC820-CB		
Size	Document Number	Rev
A4	07_LCD&CMOS	07_LCD&CMOS
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Header 20X2

此接口为通用标准扩展接口，兼容友晶DE2开发板扩展口

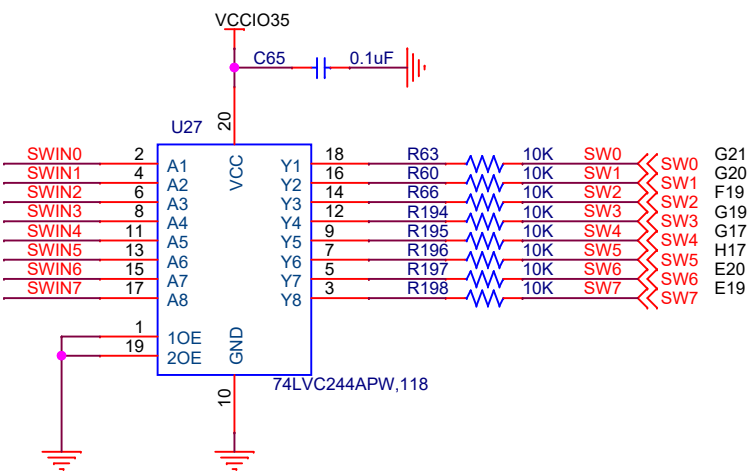
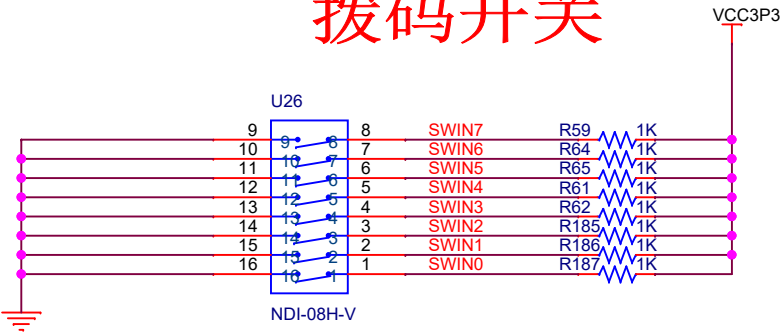
兼容DE2的通用扩展接口



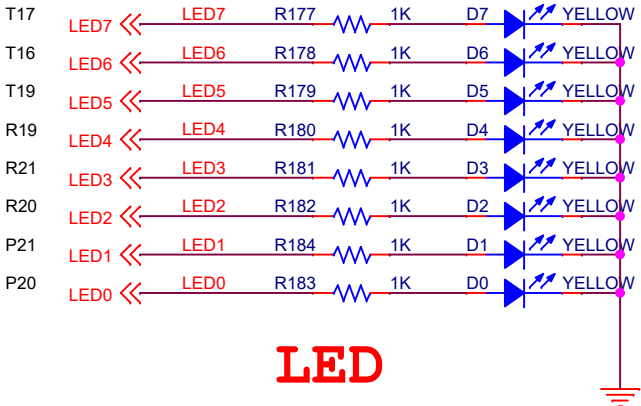
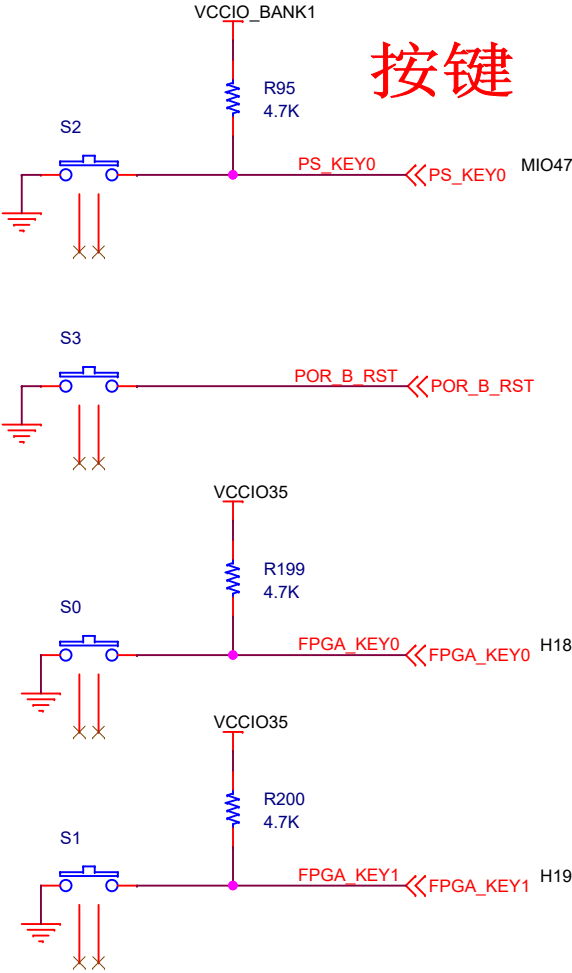
Header 6X2

Title		
AC820-CB		
Size	Document Number	Rev
A4	08_LVDS&GPIO	08_LVDS&GPIO
Date:	Thursday, June 20, 2024	Sheet 8 of 8

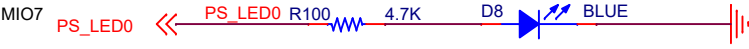
拨码开关



按键

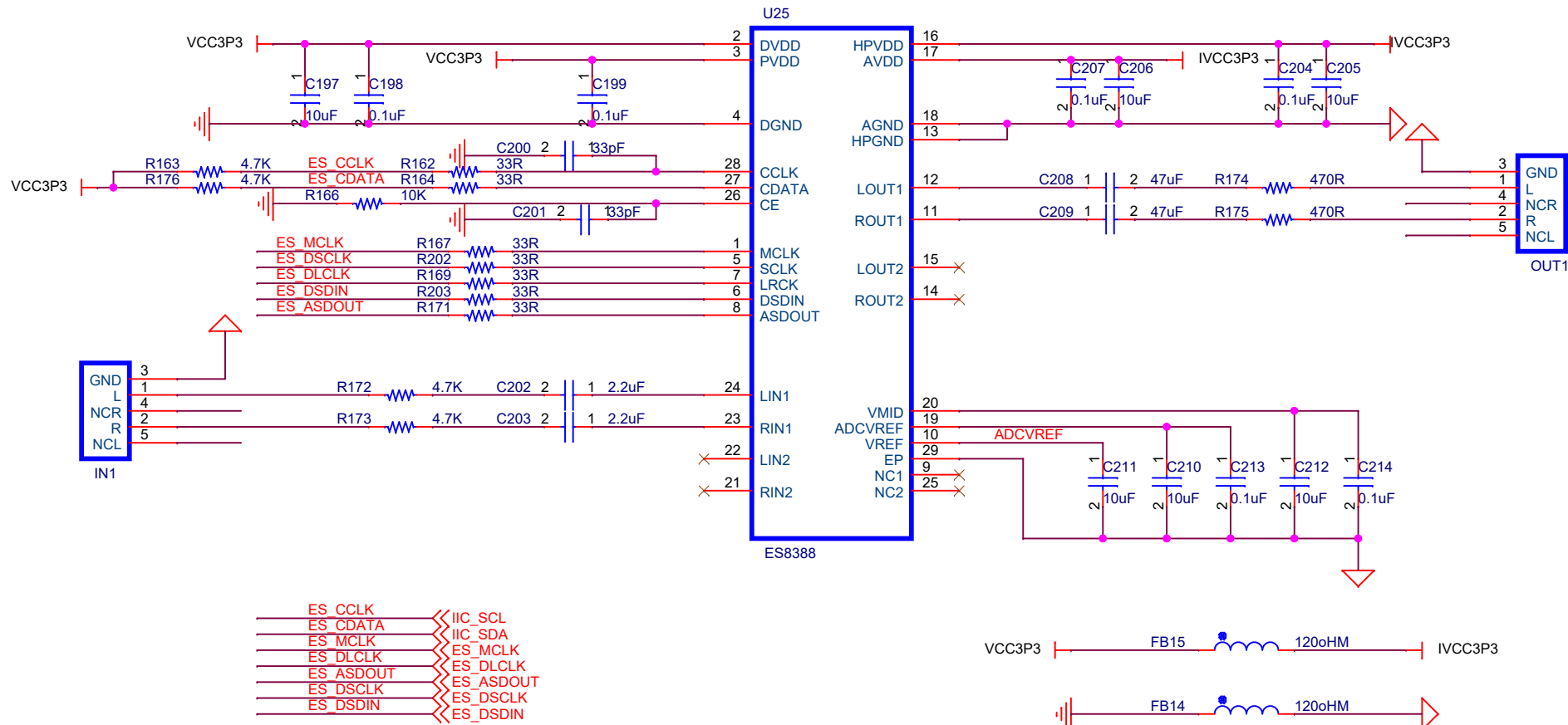


LED



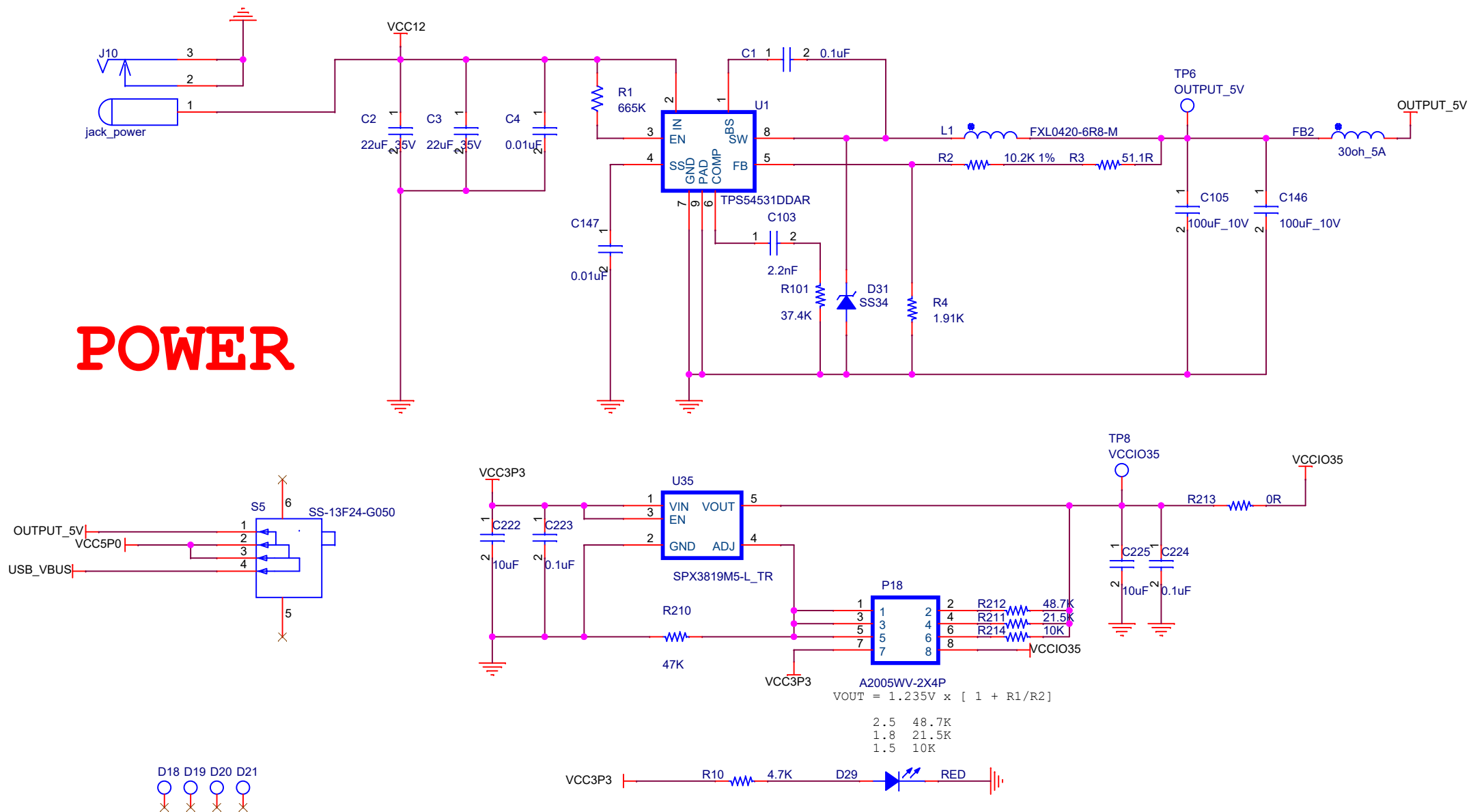
Title		
AC820-CB		
Size	Document Number	Rev
A4	09_LED&SWITCH	09_LED&SWITCH
Date:	Wednesday, June 19, 2024	Sheet 9 of 9

音频编解码器



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AC820-CB		
Size	Document Number	Rev
A4	11_Audio	11
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POWER



Title		
AC820-CB		
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A4	12_POWER	12_POWER
Date:	Wednesday, June 19, 2024	Sheet 12 of 12

FMC-LA25 P
FMC-LA25 N
FMC-LA29 P
FMC-LA29 N
FMC-LA31 P
FMC-LA31 N
FMC-LA33 P
FMC-LA33 N
FMC-CLK0 P
FMC-CLK0 N
FMC-CLK0 P
FMC-CLK0 N
FMC-LA02 P
FMC-LA02 N
FMC-LA02 P
FMC-LA02 N
FMC-LA04 P
FMC-LA04 N
FMC-LA07 P
FMC-LA07 N
FMC-LA11 P
FMC-LA11 N
FMC-LA15 P
FMC-LA15 N
FMC-LA19 P
FMC-LA19 N
FMC-LA32 P
FMC-LA32 N
PS_POR_B
FMC-PRSNT

FMC-LA25 P
FMC-LA25 N
FMC-LA29 P
FMC-LA29 N
FMC-LA31 P
FMC-LA31 N
FMC-LA33 P
FMC-LA33 N
FMC-CLK0 P
FMC-CLK0 N
FMC-CLK0 P
FMC-CLK0 N
FMC-LA02 P
FMC-LA02 N
FMC-LA02 P
FMC-LA02 N
FMC-LA04 P
FMC-LA04 N
FMC-LA07 P
FMC-LA07 N
FMC-LA11 P
FMC-LA11 N
FMC-LA15 P
FMC-LA15 N
FMC-LA19 P
FMC-LA19 N
FMC-LA32 P
FMC-LA32 N
PS_POR_B
FMC-PRSNT

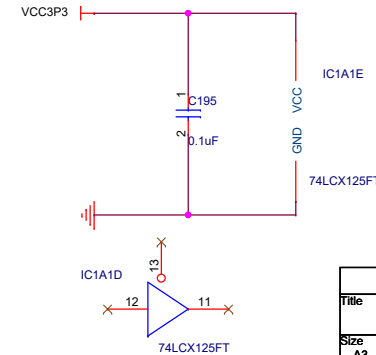
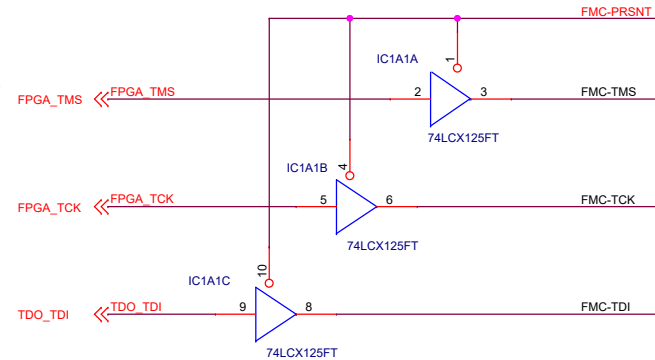
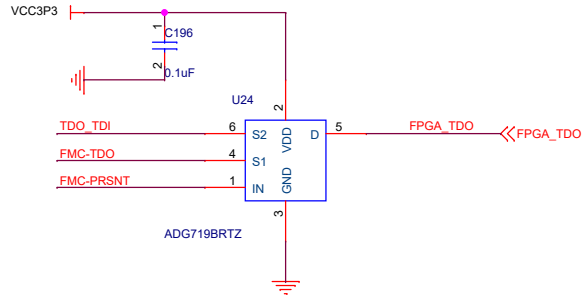
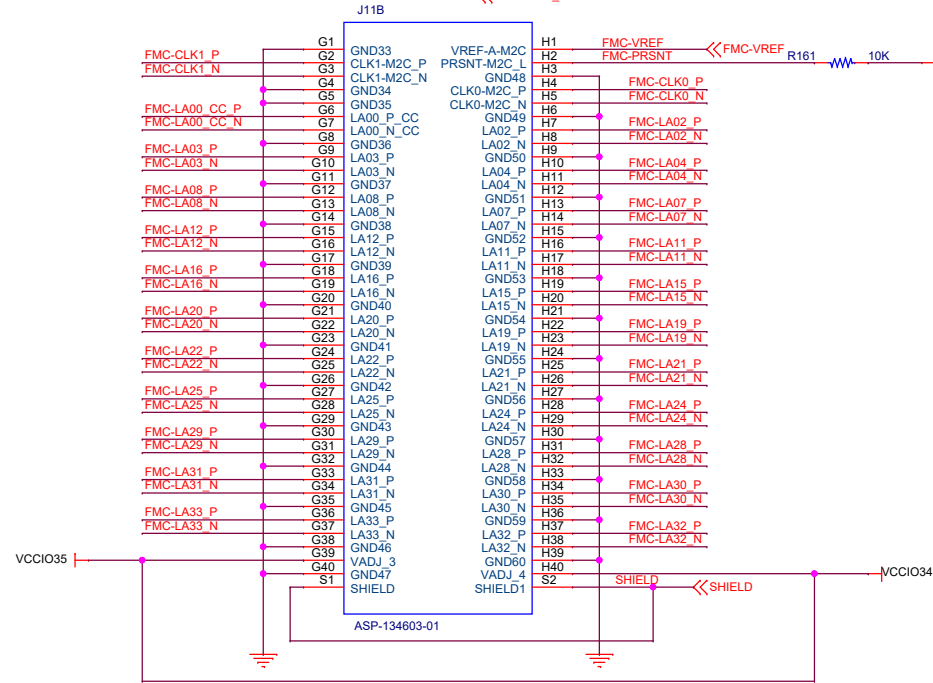
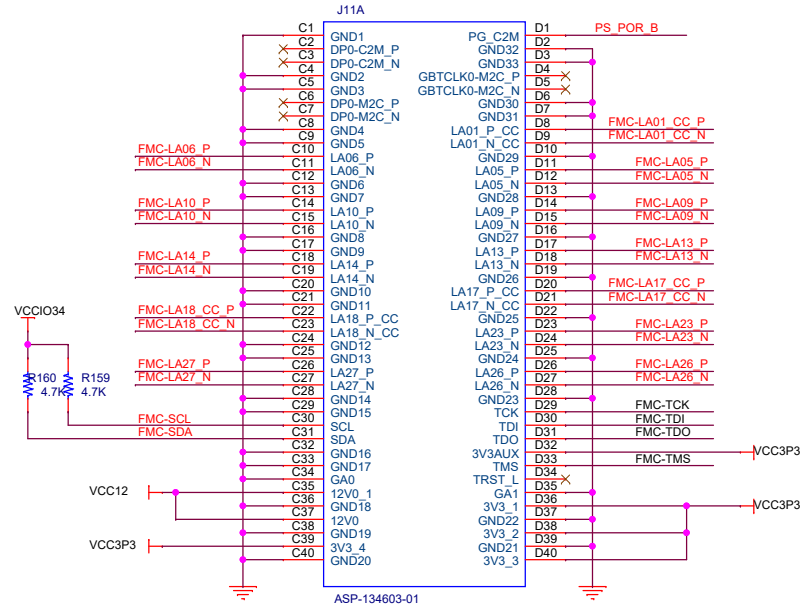
FMC-LA23 P
FMC-LA23 N
FMC-LA26 P
FMC-LA26 N
FMC-CLK1 P
FMC-CLK1 N
FMC-LA00 CC P
FMC-LA00 CC N
FMC-LA03 P
FMC-LA03 N
FMC-LA08 P
FMC-LA08 N
FMC-LA12 P
FMC-LA12 N
FMC-LA16 P
FMC-LA16 N
FMC-LA20 P
FMC-LA20 N
FMC-LA21 P
FMC-LA21 N
FMC-LA30 P
FMC-LA30 N
FMC-SCL
FMC-SDA

FMC-LA23 P
FMC-LA23 N
FMC-LA26 P
FMC-LA26 N
FMC-CLK1 P
FMC-CLK1 N
FMC-LA00 CC P
FMC-LA00 CC N
FMC-LA03 P
FMC-LA03 N
FMC-LA08 P
FMC-LA08 N
FMC-LA12 P
FMC-LA12 N
FMC-LA16 P
FMC-LA16 N
FMC-LA20 P
FMC-LA20 N
FMC-LA21 P
FMC-LA21 N
FMC-LA30 P
FMC-LA30 N
FMC-SCL
FMC-SDA

FMC-LA06 P
FMC-LA06 N
FMC-LA10 P
FMC-LA10 N
FMC-LA14 P
FMC-LA14 N
FMC-LA18 CC P
FMC-LA18 CC N
FMC-LA27 P
FMC-LA27 N
FMC-LA01 CC P
FMC-LA01 CC N
FMC-LA05 P
FMC-LA05 N
FMC-LA09 P
FMC-LA09 N
FMC-LA13 P
FMC-LA13 N
FMC-LA17 CC P
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FMC-LA24 P
FMC-LA24 N
FMC-LA28 P
FMC-LA28 N
FMC-LA22 P
FMC-LA22 N

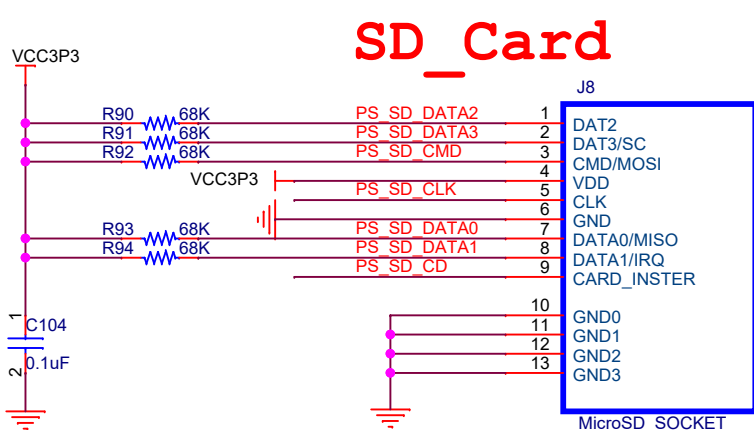
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FMC-LA27 P
FMC-LA27 N
FMC-LA01 CC P
FMC-LA01 CC N
FMC-LA05 P
FMC-LA05 N
FMC-LA09 P
FMC-LA09 N
FMC-LA13 P
FMC-LA13 N
FMC-LA17 CC P
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FMC-LA28 P
FMC-LA28 N
FMC-LA22 P
FMC-LA22 N

FMC



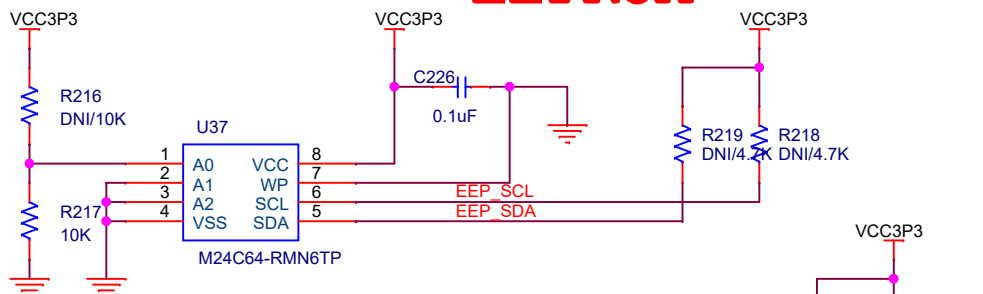
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Size	Document Number	13_FMC
Date:	Wednesday, June 19, 2024	Sheet 13 of 13

SD_Card

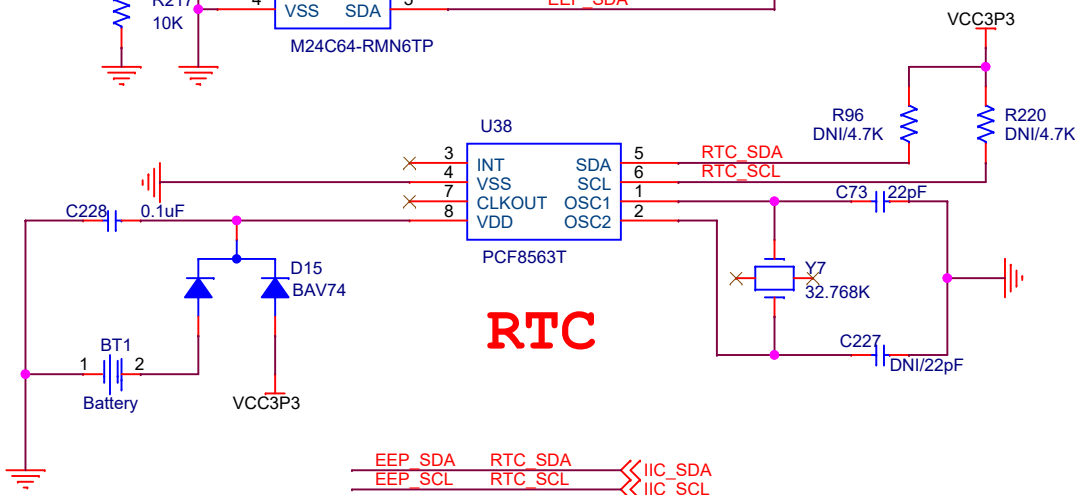


PS_SD_DATA0 <-> PS_SD_DATA0
PS_SD_DATA1 <-> PS_SD_DATA1
PS_SD_DATA2 <-> PS_SD_DATA2
PS_SD_DATA3 <-> PS_SD_DATA3
PS_SD_CLK <-> PS_SD_CLK
PS_SD_CMD <-> PS_SD_CMD
PS_SD_CD <-> PS_SD_CD

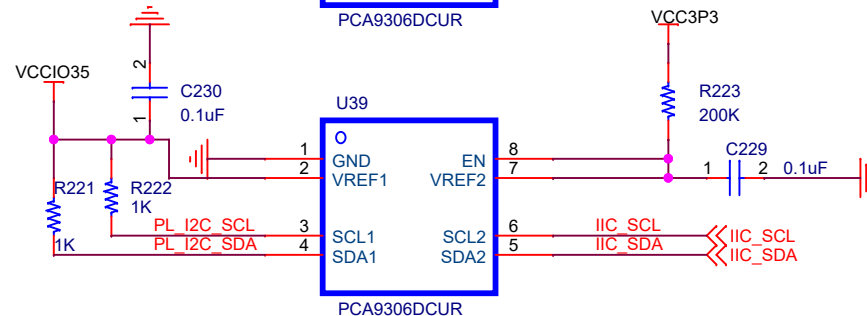
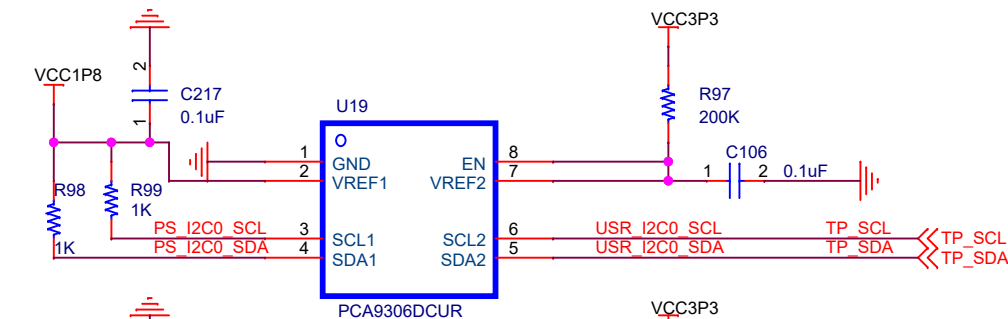
EEPROM



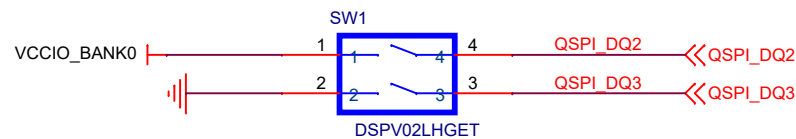
RTC



EEP_SDA <-> RTC_SDA <-> IIC_SDA
EEP_SCL <-> RTC_SCL <-> IIC_SCL



PS_I2C0_SCL <-> PS_I2C0_SCL
PS_I2C0_SDA <-> PS_I2C0_SDA
USR_I2C0_SCL <-> USR_I2C0_SCL
USR_I2C0_SDA <-> USR_I2C0_SDA
PL_I2C_SCL <-> PL_I2C_SCL
PL_I2C_SDA <-> PL_I2C_SDA



启动模式配置

Title		
AC820-CB		
Size	Document Number	Rev
A4	14_SD&I2C	14_SD&I2C
Date:	Wednesday, June 19, 2024	Sheet 14 of 14