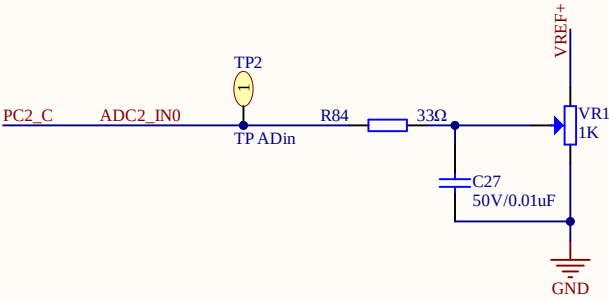
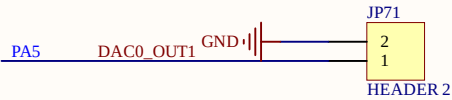


ADC



DAC



PA5-DAC0_OUT1 are AFIOs, please refer to TLI schematic for right config

Company Name: GigaDevice

File Name: AD&DA

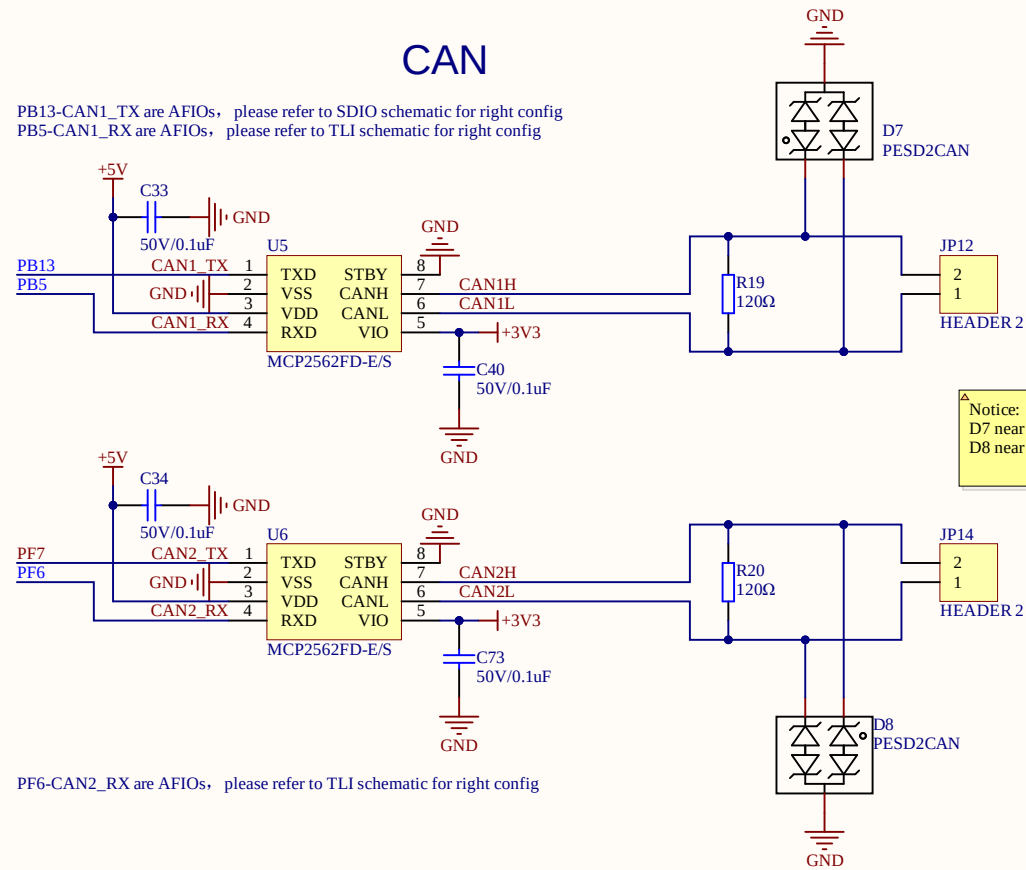
Revision: 2.2

Date: 2025-4

Author: jiawei.yuan

CAN

PB13-CAN1_TX are AFIOs, please refer to SDIO schematic for right config
PB5-CAN1_RX are AFIOs, please refer to TLI schematic for right config



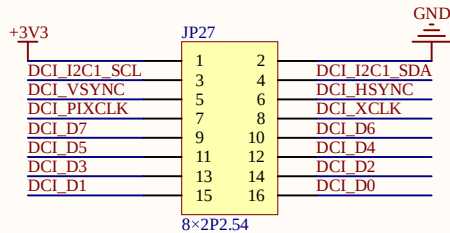
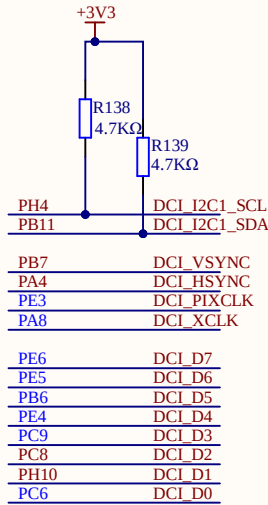
Company Name: GigaDevice

File Name: CAN

Revision: 2.2

Date: 2025-4

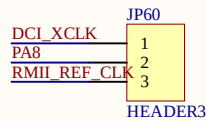
Author: jiawei.yuan



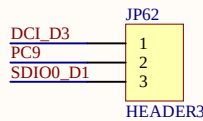
OV2640/OV5640

DCI_8bit, TLI and SDRAM can be used at the same time

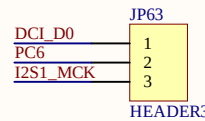
Short JP60(1,2)for DCI function
Short JP60(2,3)for ETH function



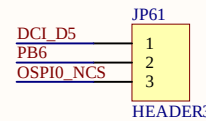
Short JP62(1,2)for DCI function
Short JP62(2,3)for SDIO function



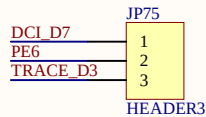
Short JP63(1,2)for DCI function
Short JP63(2,3)for I2S function



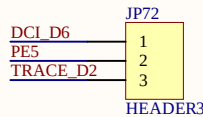
Short JP61(1,2)for DCI function
Short JP61(2,3)for OSPI function



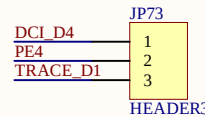
Short JP71(1,2)for DCI function
Short JP71(2,3)for TRACE function



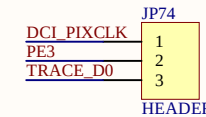
Short JP72(1,2)for DCI function
Short JP72(2,3)for TRACE function



Short JP73(1,2)for DCI function
Short JP73(2,3)for TRACE function



Short JP74(1,2)for DCI function
Short JP74(2,3)for TRACE function



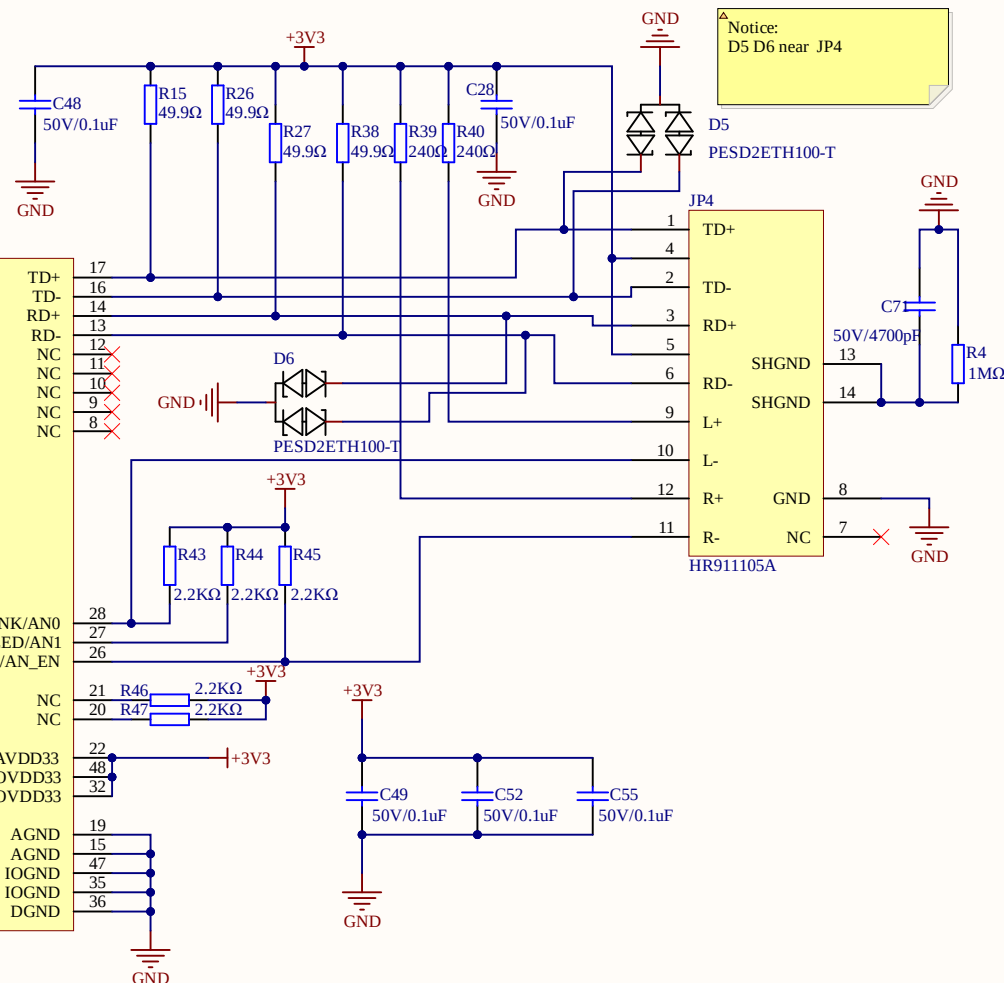
Company Name: GigaDevice

File Name: DCI

Revision: 2.2

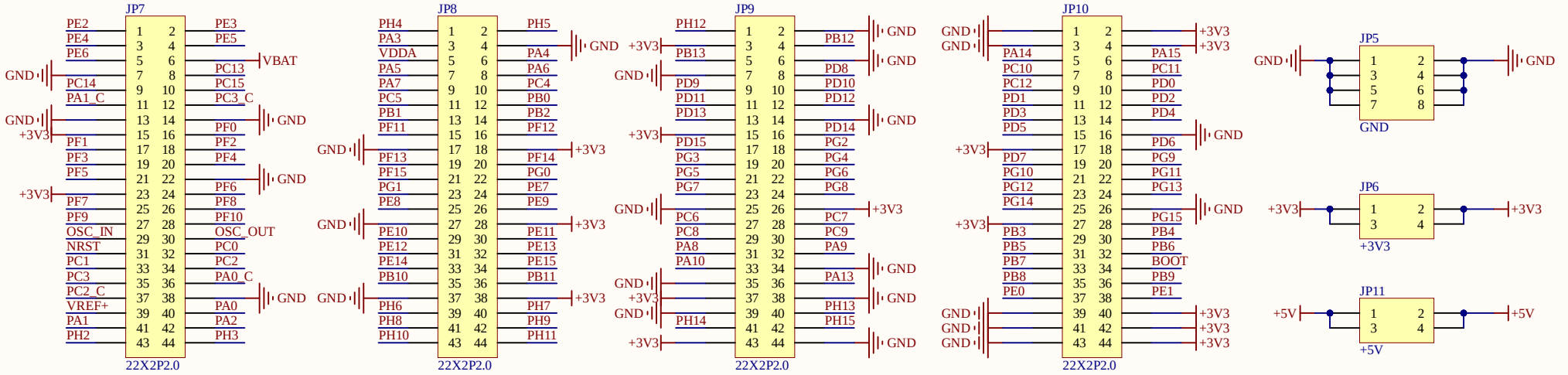
Date: 2025-4

Author: jiawei.yuan

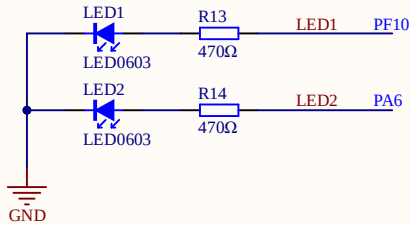


Author: jiawei.yuan

Extension Pin

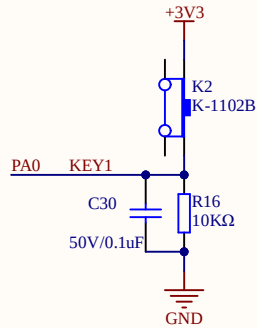


LED

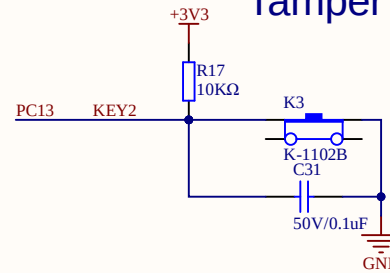


PF10-LED1 are AFIOs, please refer to TLI schematic for right config
PA6-LED2 are AFIOs, please refer to USB schematic for right config

Wakeup

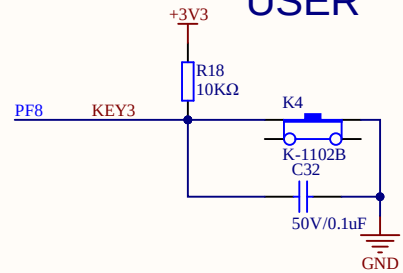


Tamper



PF8-KEY3 are AFIOs, please refer to TLI schematic for right config

USER



Company Name: GigaDevice

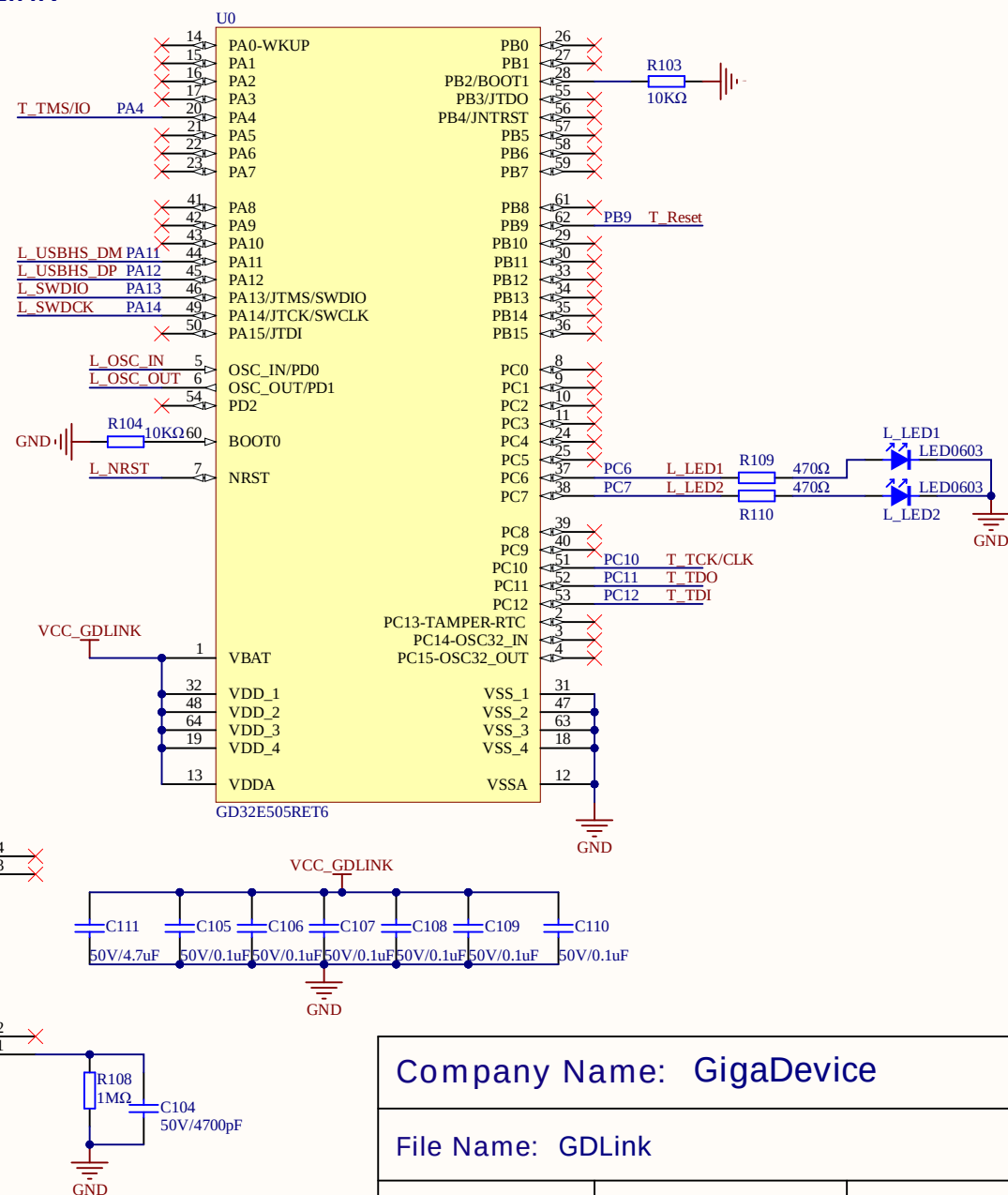
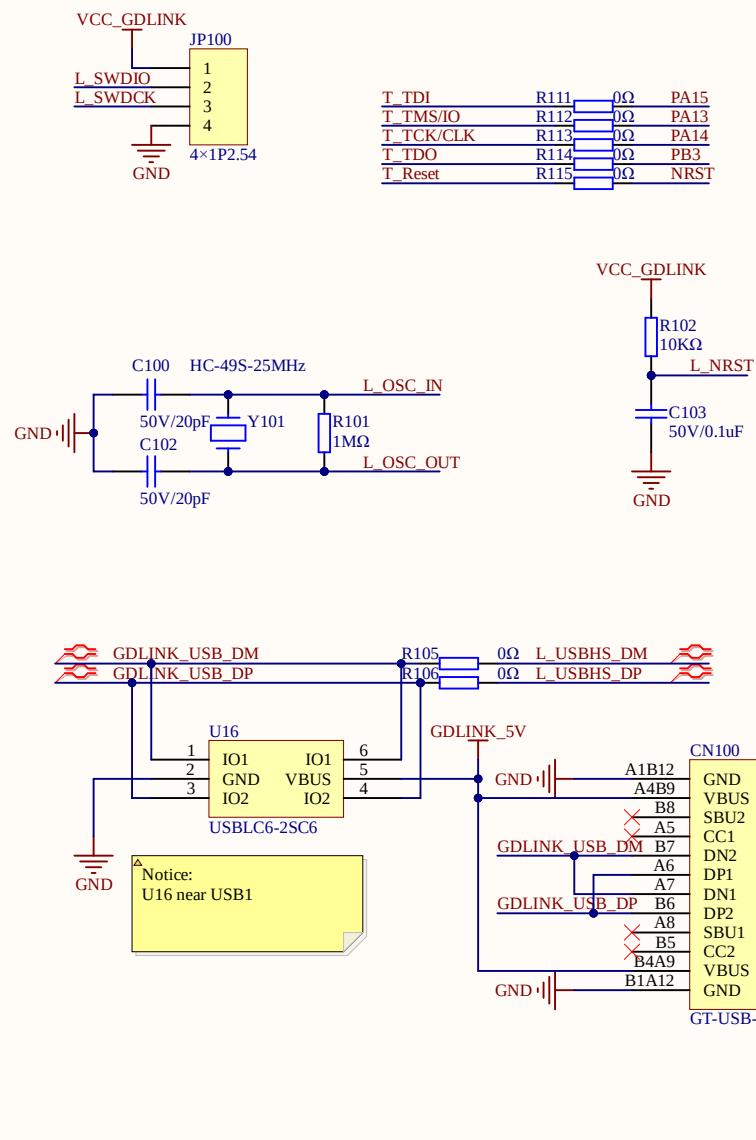
File Name: Extension

Revision: 2.2

Date: 2025-4

Author: jiawei.yuan

GDLink



Company Name: GigaDevice

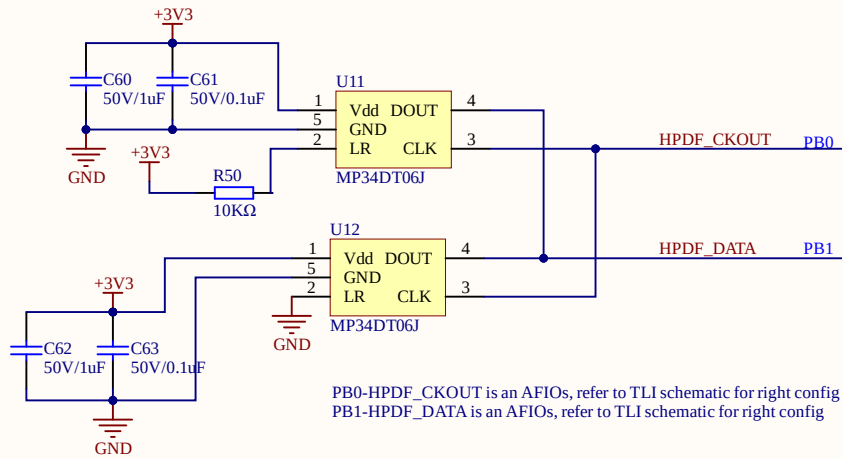
File Name: GDLink

Revision: 2.2

Date: 2025-4

Author: jiawei.yuan

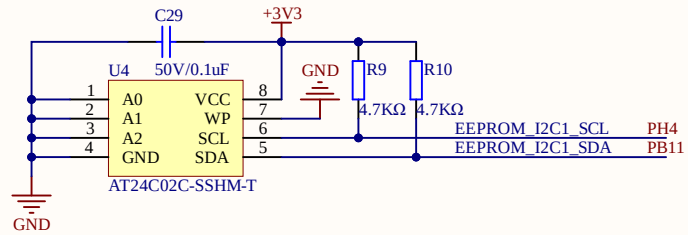
HPDF&PDM



PB0-HPDF_CKOUT is an AFIOs, refer to TLI schematic for right config
PB1-HPDF_DATA is an AFIOs, refer to TLI schematic for right config

Company Name: GigaDevice		
File Name: HPDF&PDM		
Revision: 2.2	Date: 2025-4	Author: jiawei.yuan

I2C



Company Name: GigaDevice

File Name: I2C

Revision: 2.2

Date: 2025-4

Author: jiawei.yuan

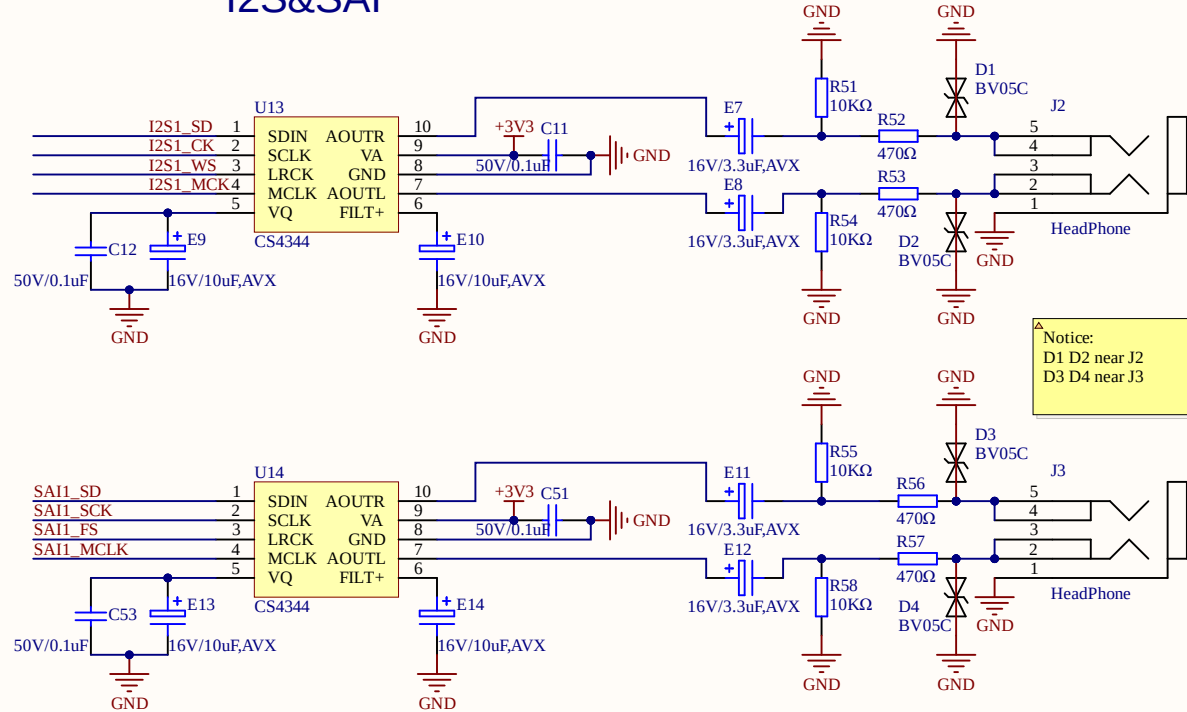
I2S&SAI

PC3 I2S1_SD
PD3 I2S1_CK
PB9 I2S1_WS
PC6 I2S1_MCK

PC3-I2S1_SD are AFIOs, please refer to SDRAM schematic for right config
PD3-I2S1_CK are AFIOs, please refer to TLI schematic for right config
PB9-I2S1_WS are AFIOs, please refer to TLI schematic for right config
PC6-I2S1_MCK are AFIOs, please refer to DCI schematic for right config

PG9 SAI1_FS
PH2 SAI1_SCK
PH3 SAI1_MCLK
PG10 SAI1_SD

PH2-SAI1_SCK are AFIOs, please refer to TLI schematic for right config
PH3-SAI1_MCLK are AFIOs, please refer to TLI schematic for right config
PG10-SAI1_SD are AFIOs, please refer to TLI schematic for right config



Company Name: GigaDevice

File Name: I2S&SAI

Revision: 2.2

Date: 2025-4

Author: jiawei.yuan

A

A

B

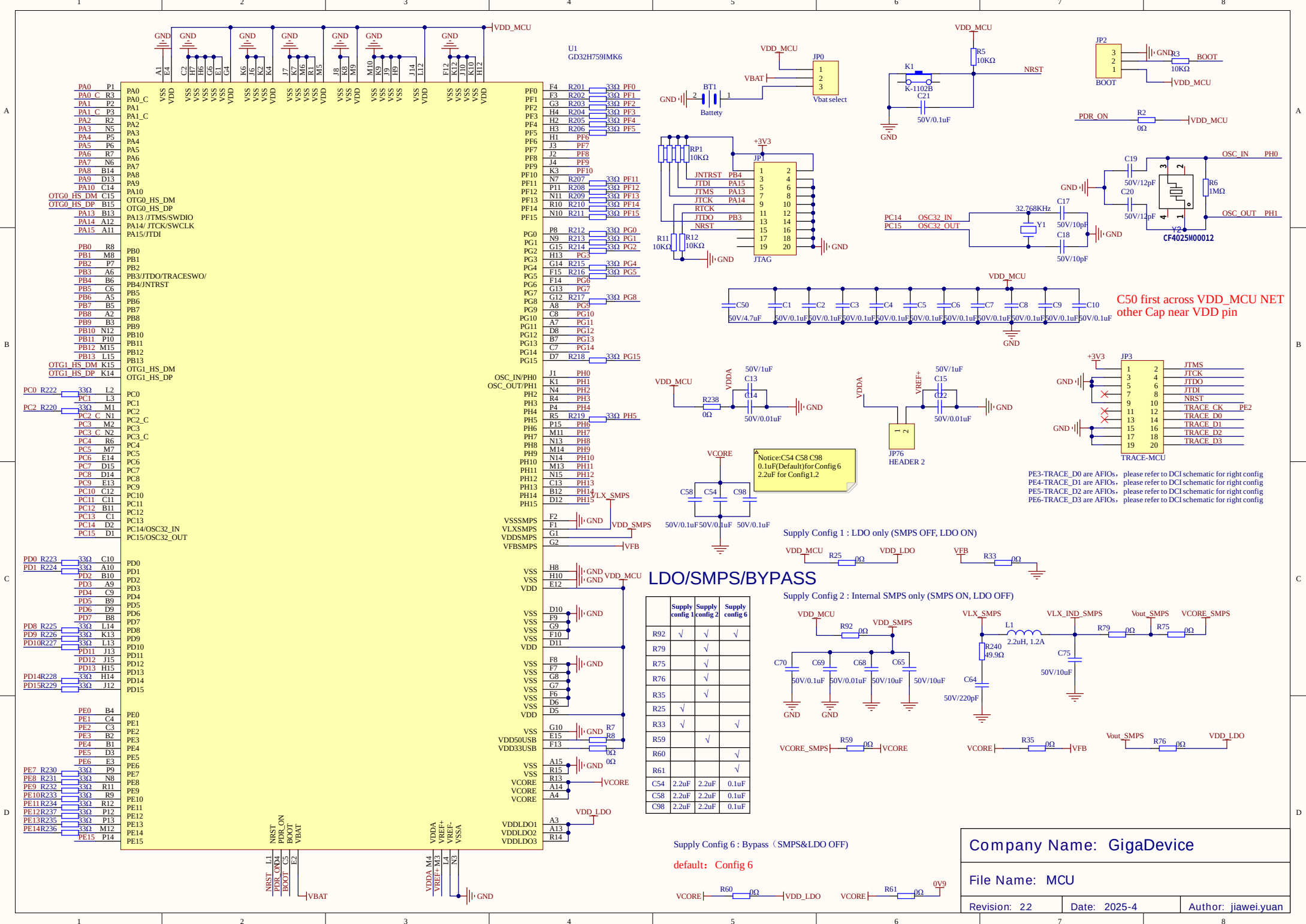
B

C

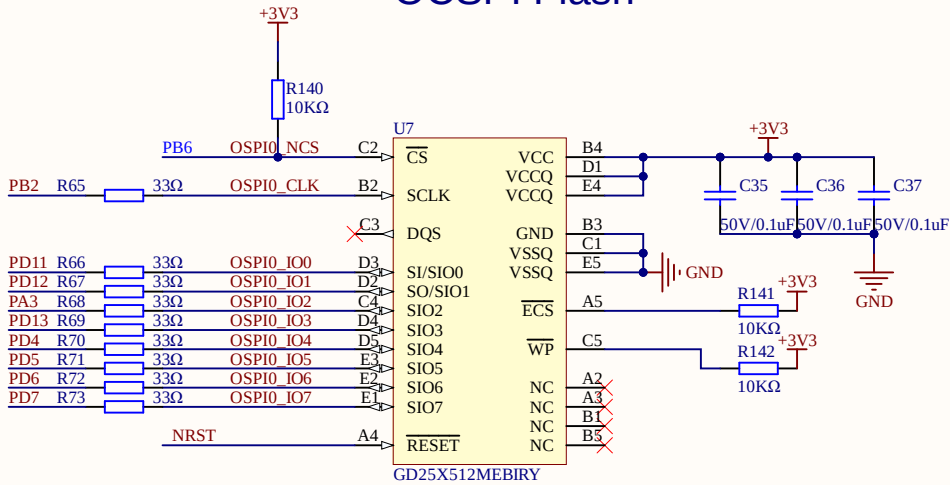
C

D

D



OCSPI Flash



PB6-OSPI0_NCS are AFIOs, please refer to DCI schematic for right config

Company Name: GigaDevice

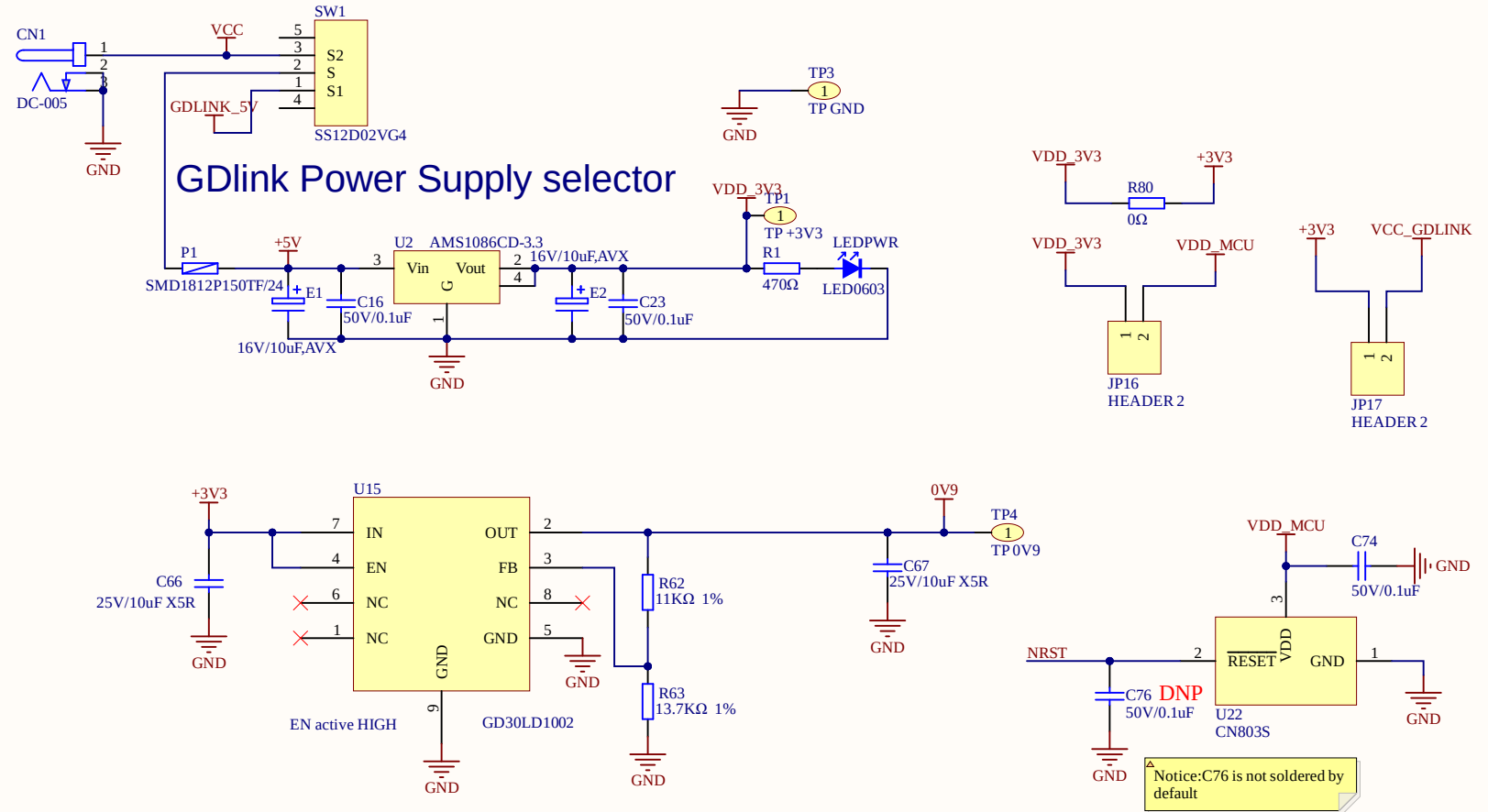
File Name: OSPI

Revision: 2.2

Date: 2025-4

Author: jiawei.yuan

POWER



Company Name: GigaDevice

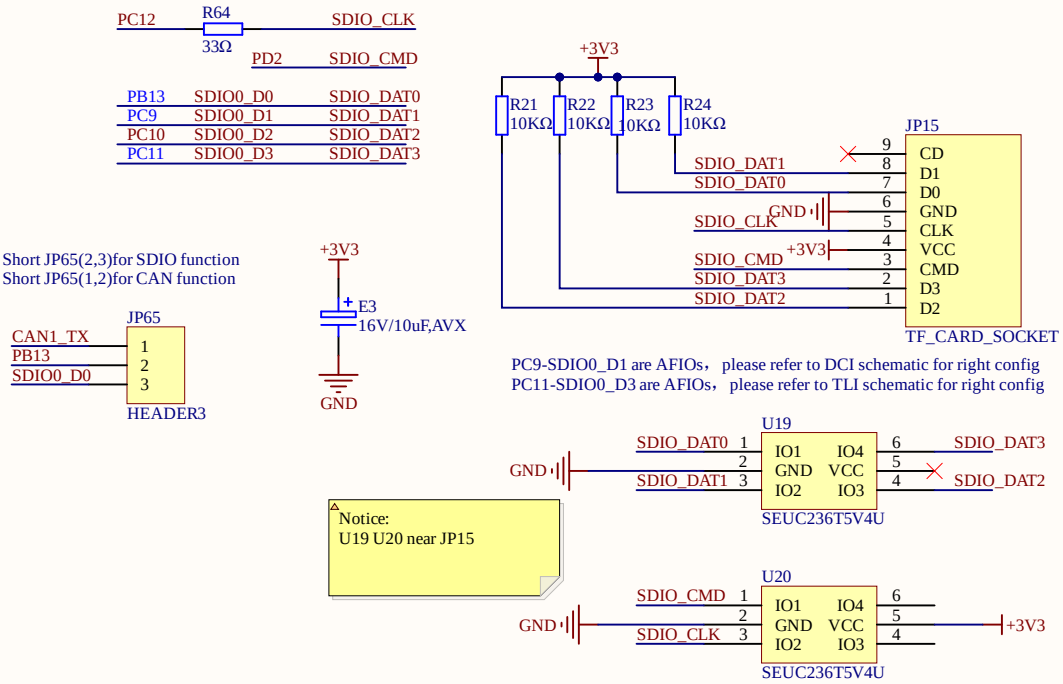
File Name: Power

Revision: 2.2

Date: 2025-4

Author: jiawei.yuan

SDIO



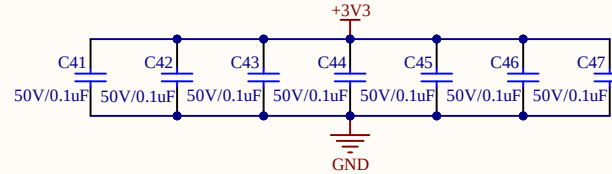
Company Name: GigaDevice

File Name: SDIO

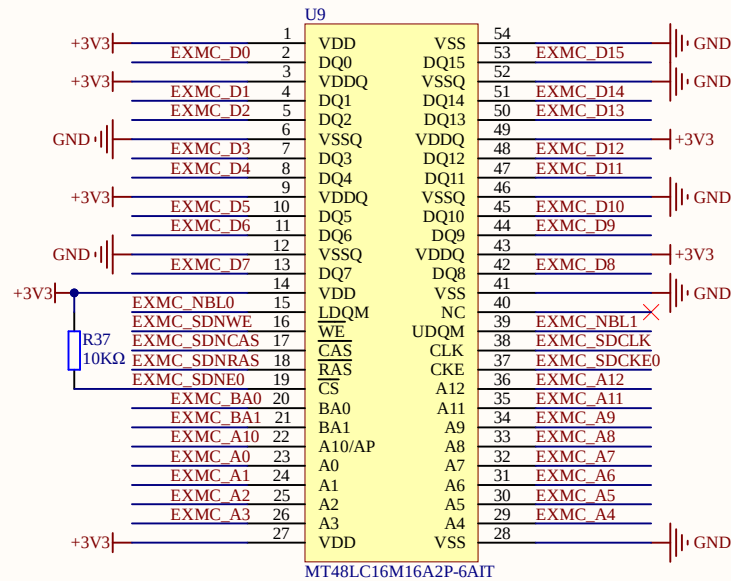
Revision: 2.2 Date: 2025-4 Author: jiawei.yuan

SDRAM

PF0	EXMC_A0
PF1	EXMC_A1
PF2	EXMC_A2
PF3	EXMC_A3
PF4	EXMC_A4
PF5	EXMC_A5
PF12	EXMC_A6
PF13	EXMC_A7
PF14	EXMC_A8
PF15	EXMC_A9
PG0	EXMC_A10
PG1	EXMC_A11
PG2	EXMC_A12



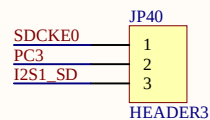
PD14	EXMC_D0
PD15	EXMC_D1
PD0	EXMC_D2
PD1	EXMC_D3
PE7	EXMC_D4
PE8	EXMC_D5
PE9	EXMC_D6
PE10	EXMC_D7
PE11	EXMC_D8
PE12	EXMC_D9
PE13	EXMC_D10
PE14	EXMC_D11
PC0	EXMC_D12
PD8	EXMC_D13
PD9	EXMC_D14
PD10	EXMC_D15



PE0	EXMC_NBL0
PE1	EXMC_NBL1
PG4	EXMC_BA0
PG5	EXMC_BA1
PG8	EXMC_SDCLK
PG15	EXMC_SDNCRAS
PF11	EXMC_SDNRAS
PC2	EXMC_SDNE0
PH5	EXMC_SDNWE

SDCKE0 PC3 R221 330Ω EXMC_SDCKE0

Short JP40(1,2) for SDRAM function
Short JP40(2,3) for I2S function



DCI_8bit, TLI and SDRAM can be used at the same time

Company Name: GigaDevice

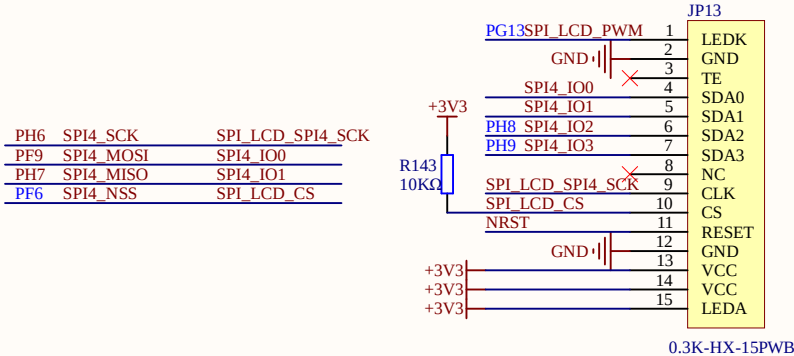
File Name: SDRAM

Revision: 2.2

Date: 2025-4

Author: jiawei.yuan

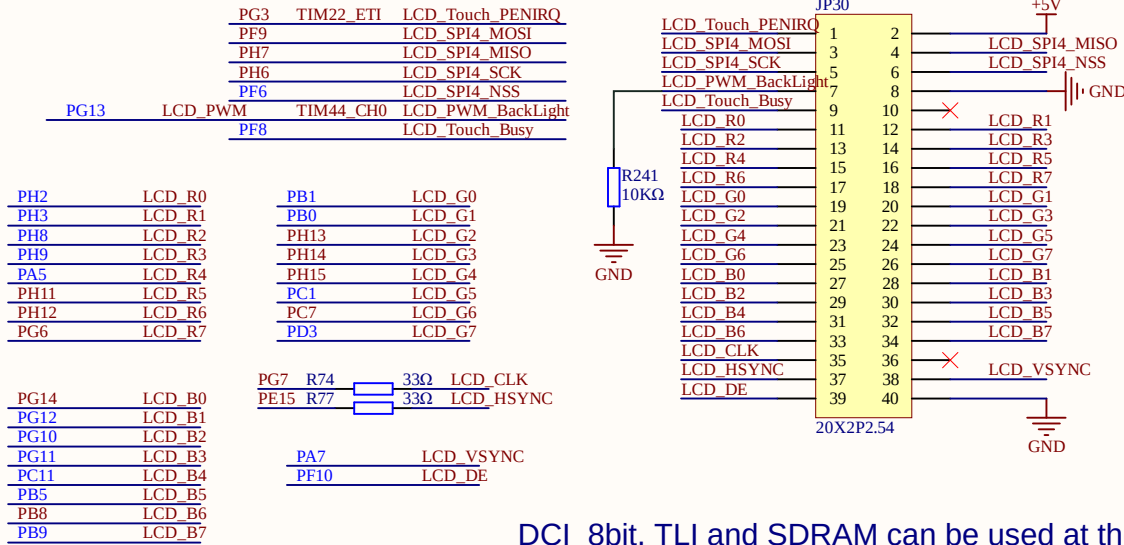
SPI_LCD



PF6-SPI4_NSS are AFIOs, please refer to TLI schematic for right config
PH8-SPI4_IO2 are AFIOs, please refer to TLI schematic for right config
PH9-SPI4_IO3 are AFIOs, please refer to TLI schematic for right config
PG13-SPI_LCD_PWM are AFIOs, please refer to TLI schematic for right config

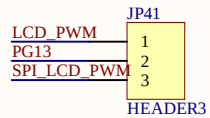
Company Name: GigaDevice		
File Name: SPI_LCD		
Revision: 2.2	Date: 2025-4	Author: jiawei.yuan

TLI

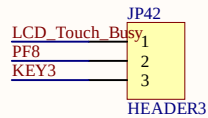


DCI_8bit, TLI and SDRAM can be used at the same time

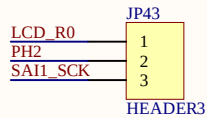
Short JP41(1,2)for TLI function
Short JP41(2,3)for SPI_LCD function



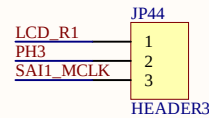
Short JP42(1,2)for TLI function
Short JP42(2,3)for KEY function



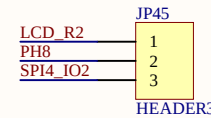
Short JP43(1,2)for TLI function
Short JP43(2,3)for SAI function



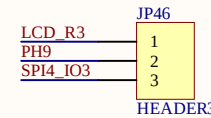
Short JP44(1,2)for TLI function
Short JP44(2,3)for SAI function



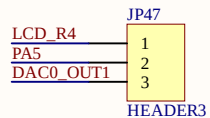
Short JP45(1,2)for TLI function
Short JP45(2,3)for SPI_LCD function



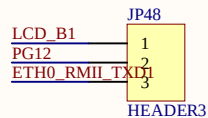
Short JP46(1,2)for TLI function
Short JP46(2,3)for SPI_LCD function



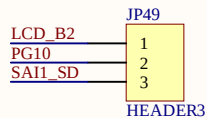
Short JP47(1,2)for TLI function
Short JP47(2,3)for DAC function



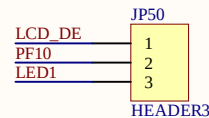
Short JP48(1,2)for TLI function
Short JP48(2,3)for ETH function



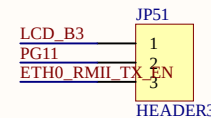
Short JP49(1,2)for TLI function
Short JP49(2,3)for SAI function



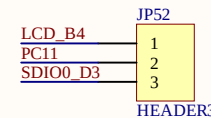
Short JP50(1,2)for TLI function
Short JP50(2,3)for LED function



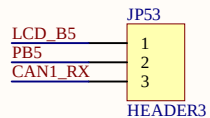
Short JP51(1,2)for TLI function
Short JP51(2,3)for ETH function



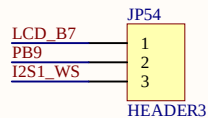
Short JP52(1,2)for TLI function
Short JP52(2,3)for SDIO function



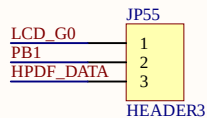
Short JP53(1,2)for TLI function
Short JP53(2,3)for CAN function



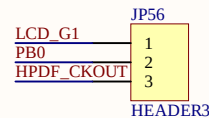
Short JP54(1,2)for TLI function
Short JP54(2,3)for I2S function



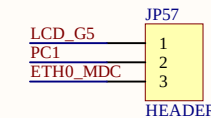
Short JP55(1,2)for TLI function
Short JP55(2,3)for HPDF function



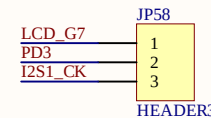
Short JP56(1,2)for TLI function
Short JP56(2,3)for HPDF function



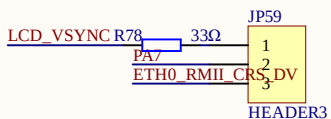
Short JP57(1,2)for TLI function
Short JP57(2,3)for ETH function



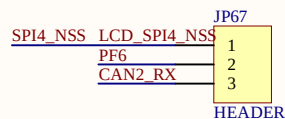
Short JP58(1,2)for TLI function
Short JP58(2,3)for I2S function



Short JP59(1,2)for TLI function
Short JP59(2,3)for ETH function



Short JP67(1,2)for TLI/SPI_LCD function
Short JP67(2,3)for CAN function



Company Name: GigaDevice

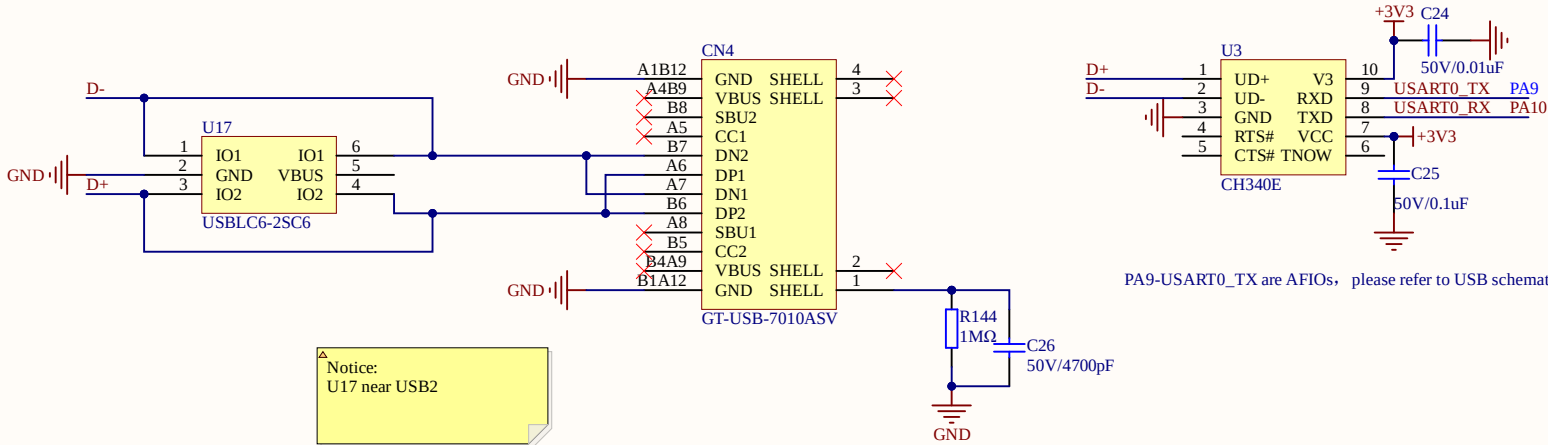
File Name: TLI

Revision: 2.2

Date: 2025-4

Author: jiawei.yuan

USART To USB



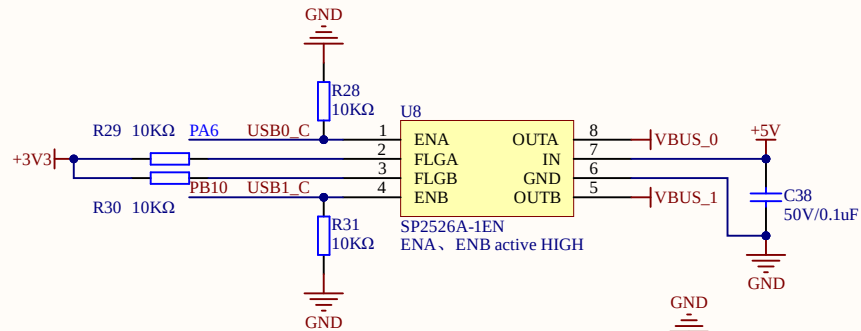
PA9-USART0_TX are AFIOs, please refer to USB schematic for right config

Company Name: GigaDevice

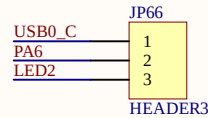
File Name: USART

Revision: 2.2 Date: 2025-4 Author: [jiawei.yuan](#)

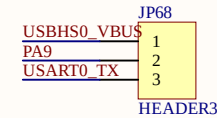
USB



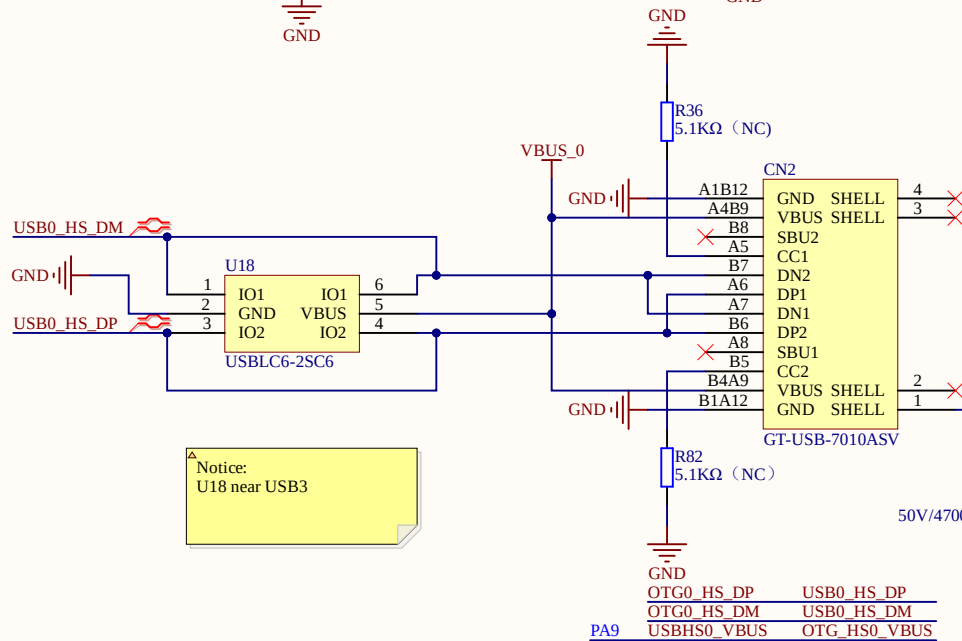
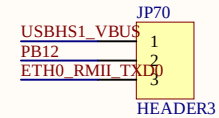
Short JP66(1,2)for USB function
Short JP66(2,3)for LED function



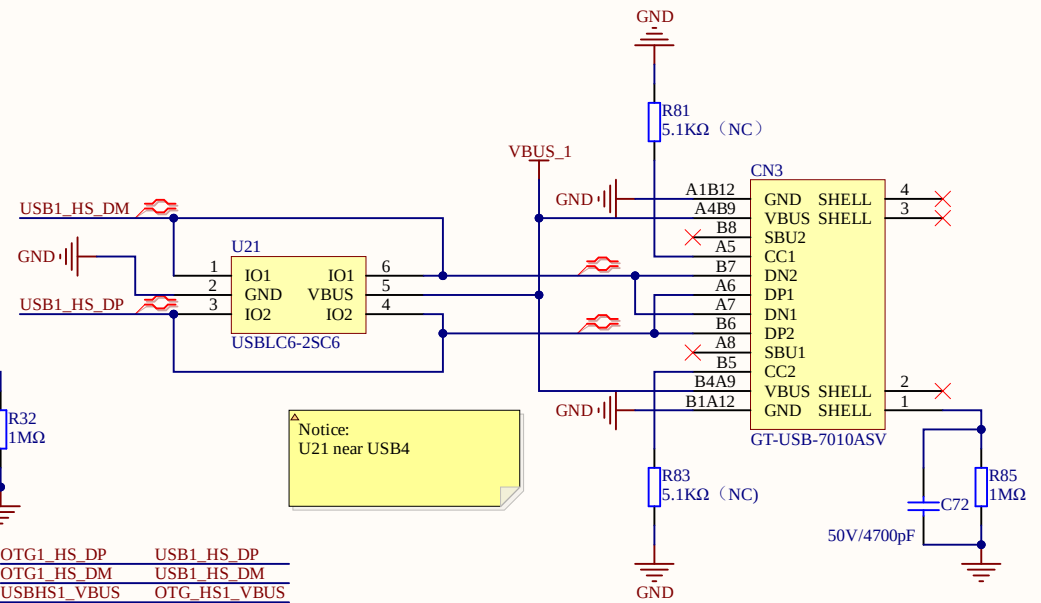
Short JP68(1,2)for USB function
Short JP68(2,3)for USART function



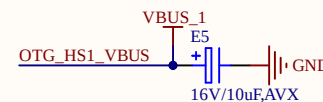
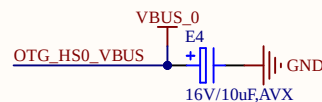
Short JP70(1,2)for USB function
Short JP70(2,3)for ETH function



PA9
USBHS0_VBUS
OTG_HS0_VBUS
USB0_HS_DP
USB0_HS_DM
OTG_HS0_VBUS



PB12
USBHS1_VBUS
OTG_HS1_VBUS
USB1_HS_DP
USB1_HS_DM
OTG_HS1_VBUS



Company Name: GigaDevice		
File Name: USB		
Revision: 2.2	Date: 2025-4	Author: jiawei.yuan

