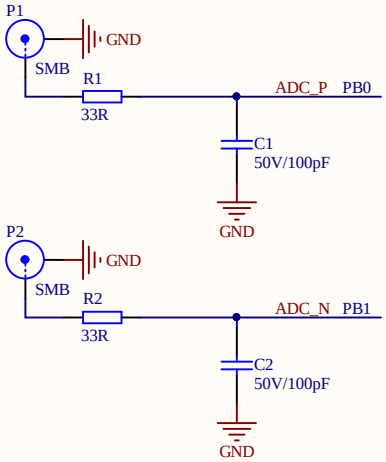
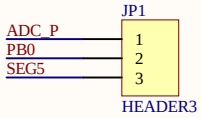
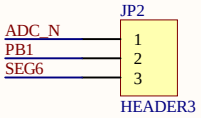
# Differential ADC




Short JP1(1,2)for ADC function
Short JP1(2,3)for SLCD function

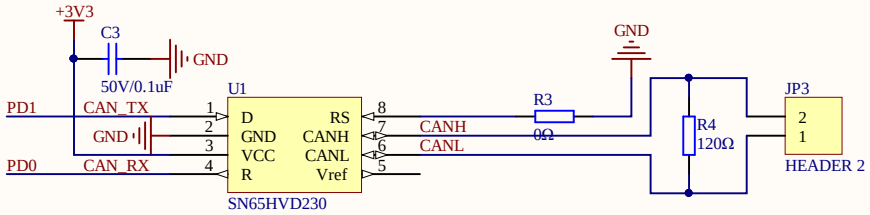



Short JP2(1,2)for ADC function
Short JP2(2,3)for SLCD function



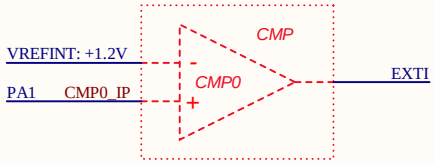

| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: ADC | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |

# CAN

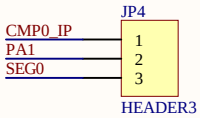



| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: CAN | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |

# CMP

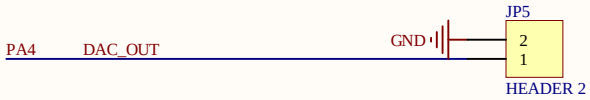



Short JP4(1,2)for CMP function
Short JP4(2,3)for SLCD function

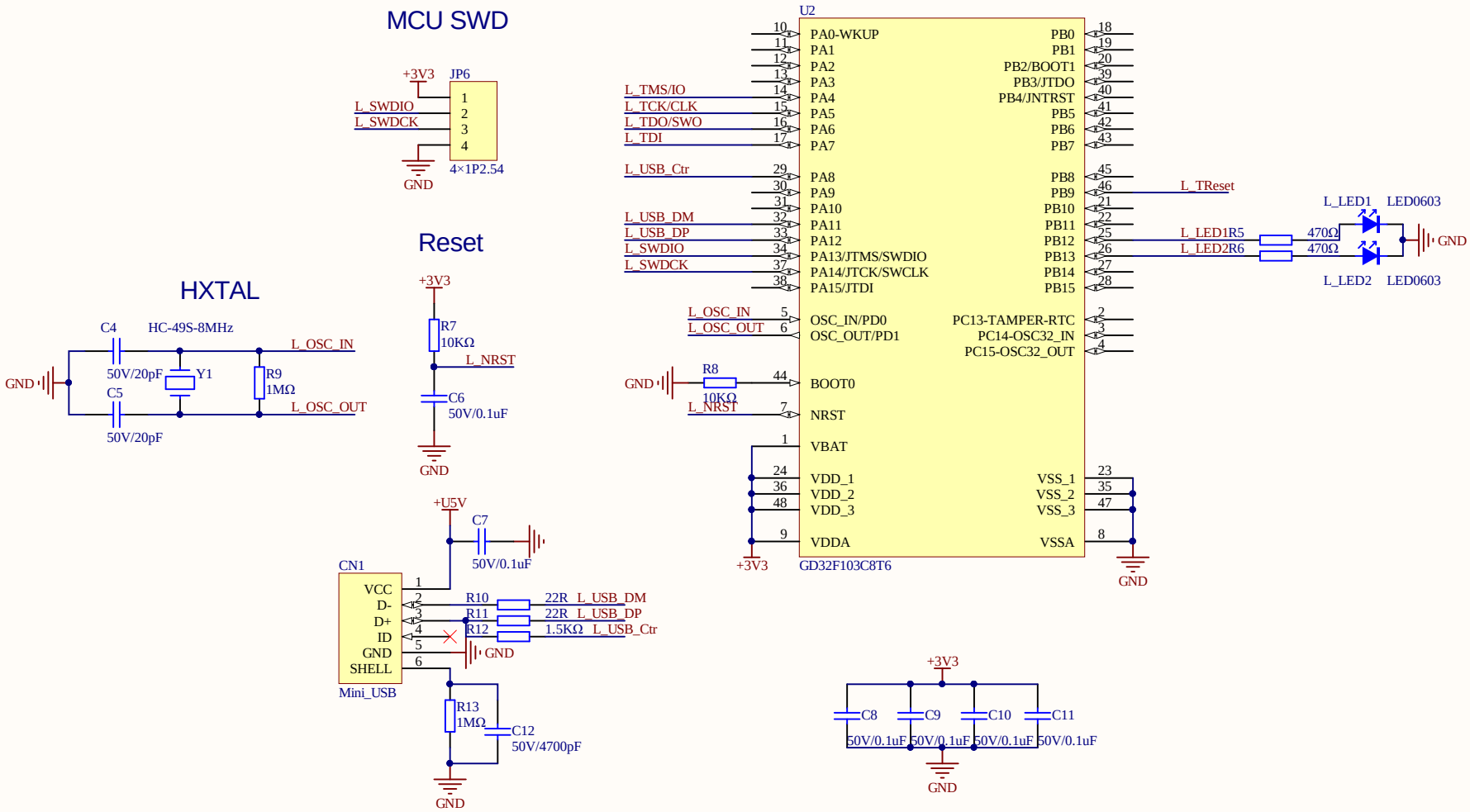



| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: CMP | | |
| Revision: | Data: 2023-5-22 | Author: peng.zhang |

# DAC

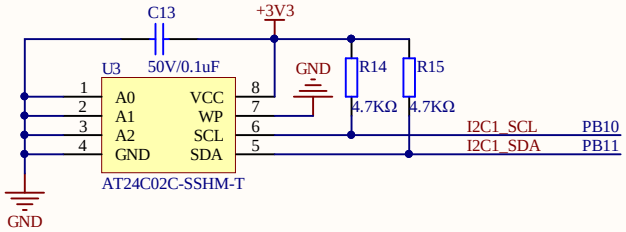



| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: DAC | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |

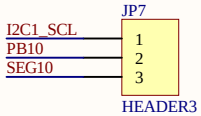



| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: GDLink | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |

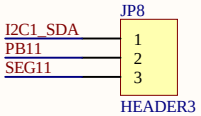
# I2C




Short JP7(1,2)for I2C function
Short JP7(2,3)for SLCD function

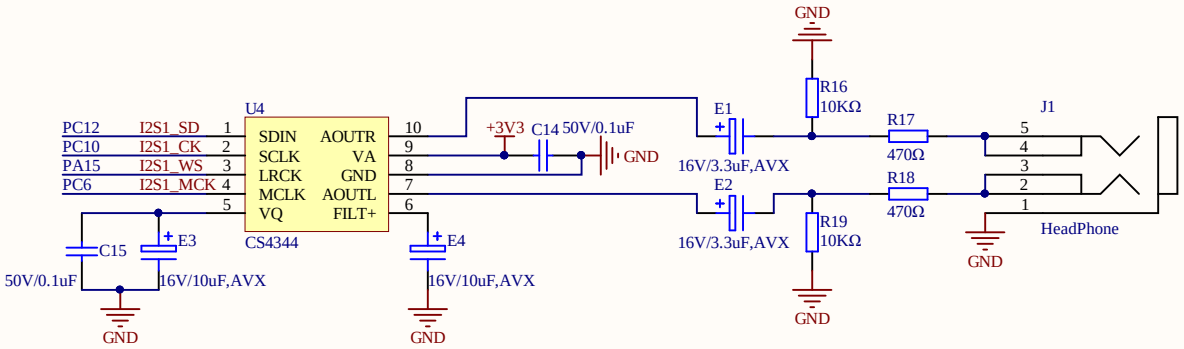



Short JP8(1,2)for I2C function
Short JP8(2,3)for SLCD function

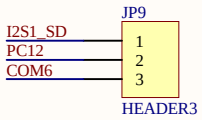



| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: I2C | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |

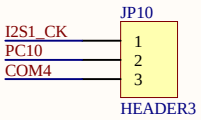
# I2S



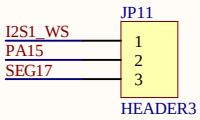

Short JP9(1,2)for I2S function
Short JP9(2,3)for SLCD function



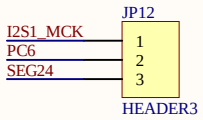

Short JP10(1,2)for I2S function
Short JP10(2,3)for SLCD function



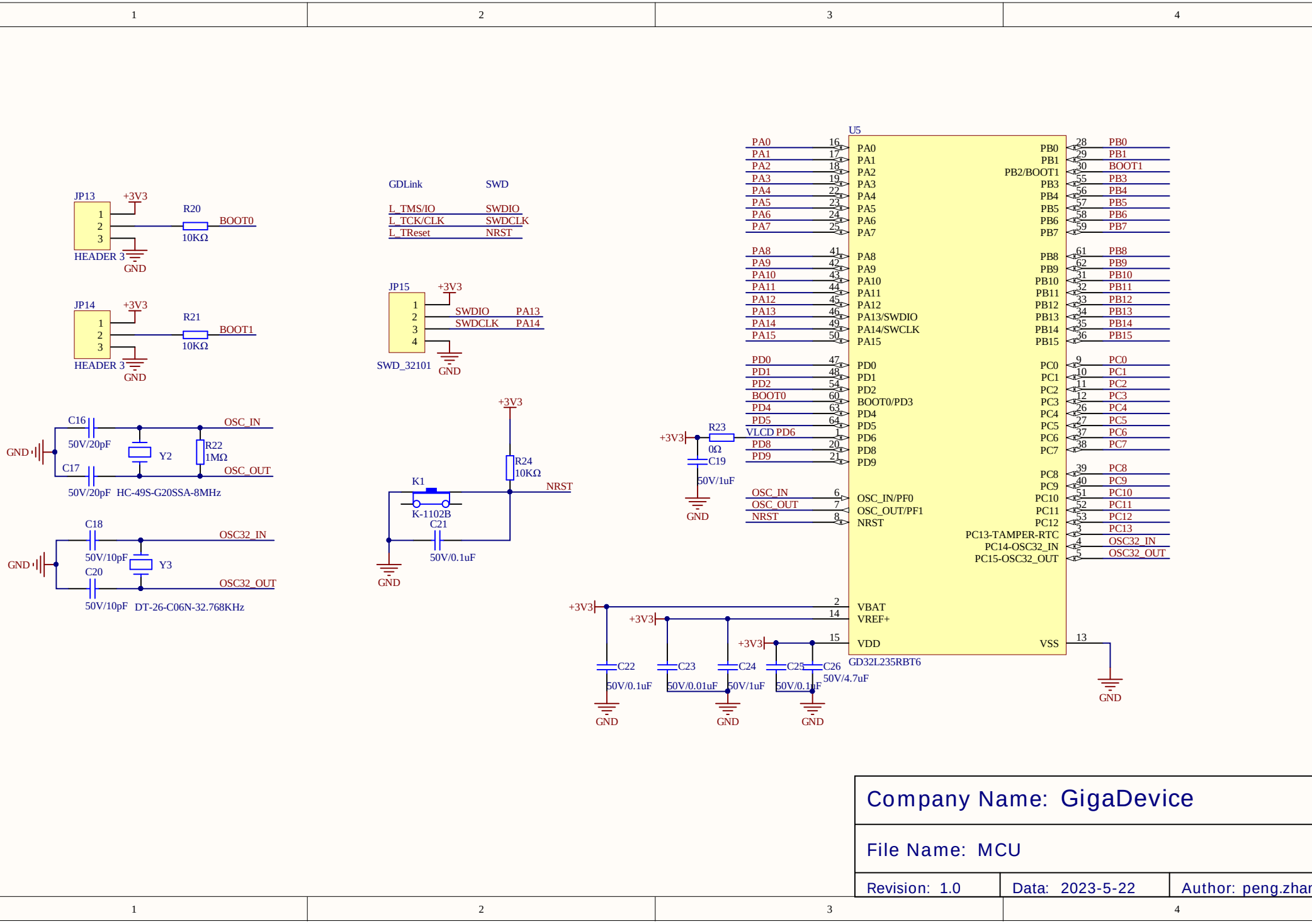

Short JP11(1,2)for I2S function
Short JP11(2,3)for SLCD function




Short JP12(1,2)for I2S function
Short JP12(2,3)for SLCD function



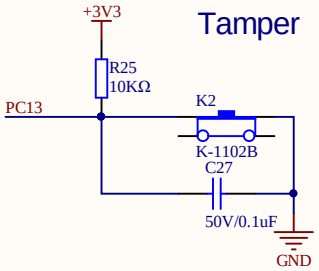

| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: I2S | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |



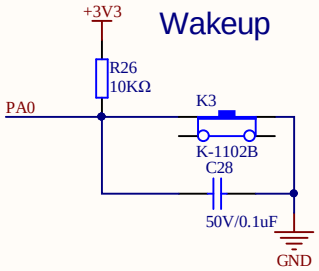

| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: MCU | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |

## Button KEY

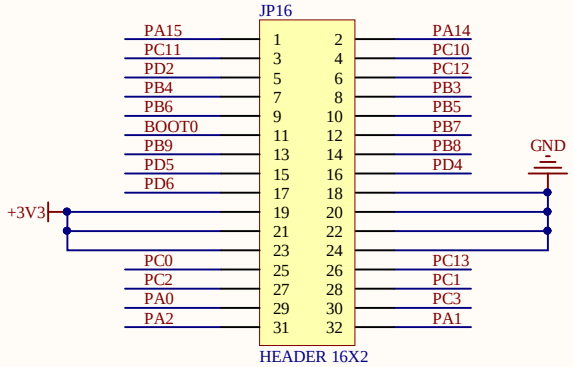
### Tamper



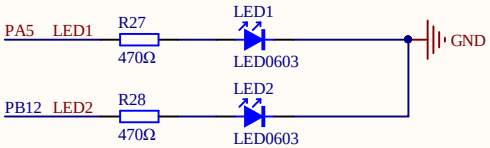

### Wakeup



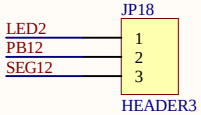

## Extention

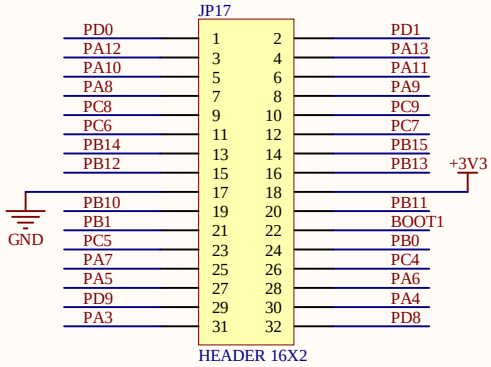



## LED



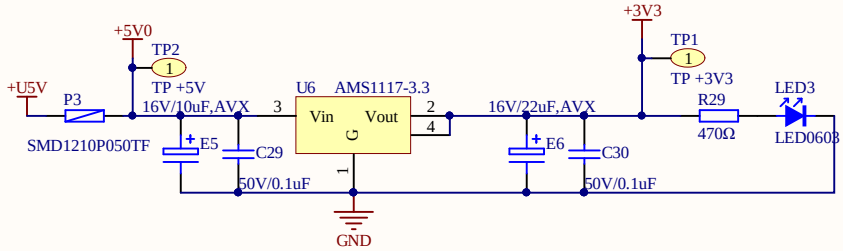

Short JP18(1,2)for LED function
Short JP18(2,3)for SLCD function




| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: Peripherals | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |

# POWER




| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: POWER | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |

# 8COM-32SEG

| | |
|---|---|
| PA8 | COM0 |
| PA9 | COM1 |
| PA10 | COM2 |
| PB9 | COM3 |
| PC10 | COM4 |
| PC11 | COM5 |
| PC12 | COM6 |
| PD2 | COM7 |

| | |
|---|---|
| PA1 | SEG0 |
| PA2 | SEG1 |
| PA3 | SEG2 |
| PA6 | SEG3 |
| PA7 | SEG4 |
| PB0 | SEG5 |
| PB1 | SEG6 |
| PB3 | SEG7 |
| PB4 | SEG8 |
| PB5 | SEG9 |
| PB10 | SEG10 |
| PB11 | SEG11 |
| PB12 | SEG12 |
| PB13 | SEG13 |
| PB14 | SEG14 |
| PB15 | SEG15 |
| PB8 | SEG16 |
| PA15 | SEG17 |
| PC0 | SEG18 |
| PC1 | SEG19 |
| PC2 | SEG20 |
| PC3 | SEG21 |
| PC4 | SEG22 |
| PC5 | SEG23 |
| PC6 | SEG24 |
| PC7 | SEG25 |
| PC8 | SEG26 |
| PC9 | SEG27 |
| PD4 | SEG28 |
| PD5 | SEG29 |
| PD8 | SEG30 |
| PD9 | SEG31 |

PA1 are AFIOs please refer to CMP schematic for right config

PB10 are AFIOs please refer to I2C schematic for right config
PB11 are AFIOs please refer to I2C schematic for right config

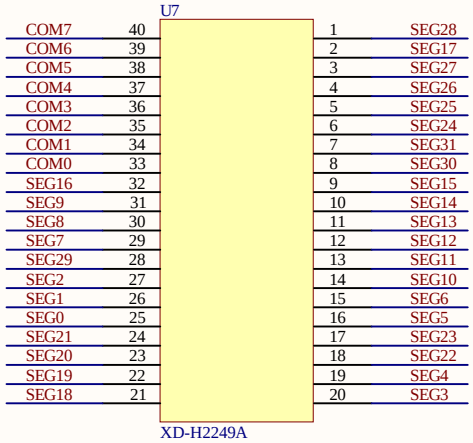
PC12 are AFIOs please refer to I2S schematic for right config
PC10 are AFIOs please refer to I2S schematic for right config
PA15 are AFIOs please refer to I2S schematic for right config
PC6 are AFIOs please refer to I2S schematic for right config

PA2 are AFIOs please refer to USART schematic for right config
PA3 are AFIOs please refer to USART schematic for right config

PA6 are AFIOs please refer to SPI schematic for right config
PA7 are AFIOs please refer to SPI schematic for right config
PD8 are AFIOs please refer to SPI schematic for right config
PD9 are AFIOs please refer to SPI schematic for right config

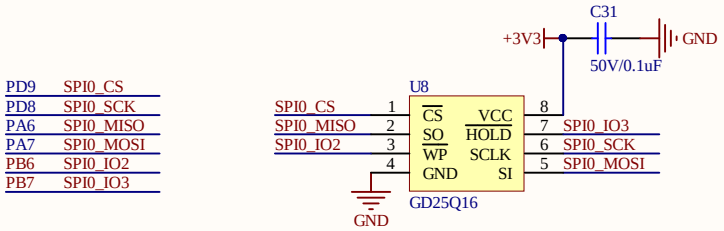
PB0 are AFIOs please refer to ADC schematic for right config
PB1 are AFIOs please refer to ADC schematic for right config

PB12 are AFIOs please refer to Peripherals schematic for right config

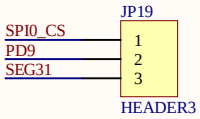



| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: SLCD | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |

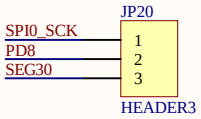
# SPI



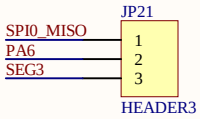

Short JP19(1,2)for SPI function
Short JP19(2,3)for SLCD function



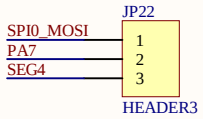

Short JP20(1,2)for SPI function
Short JP20(2,3)for SLCD function




Short JP21(1,2)for SPI function
Short JP21(2,3)for SLCD function

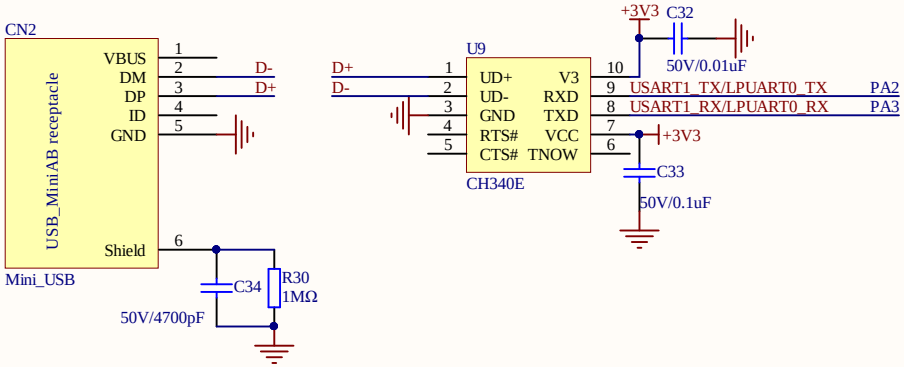


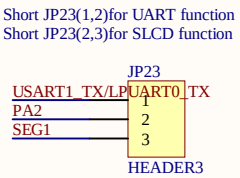

Short JP22(1,2)for SPI function
Short JP22(2,3)for SLCD function

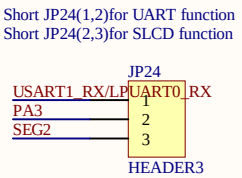



| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: SPI | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |

# USART To USB

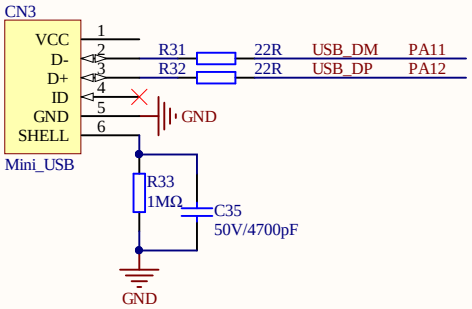


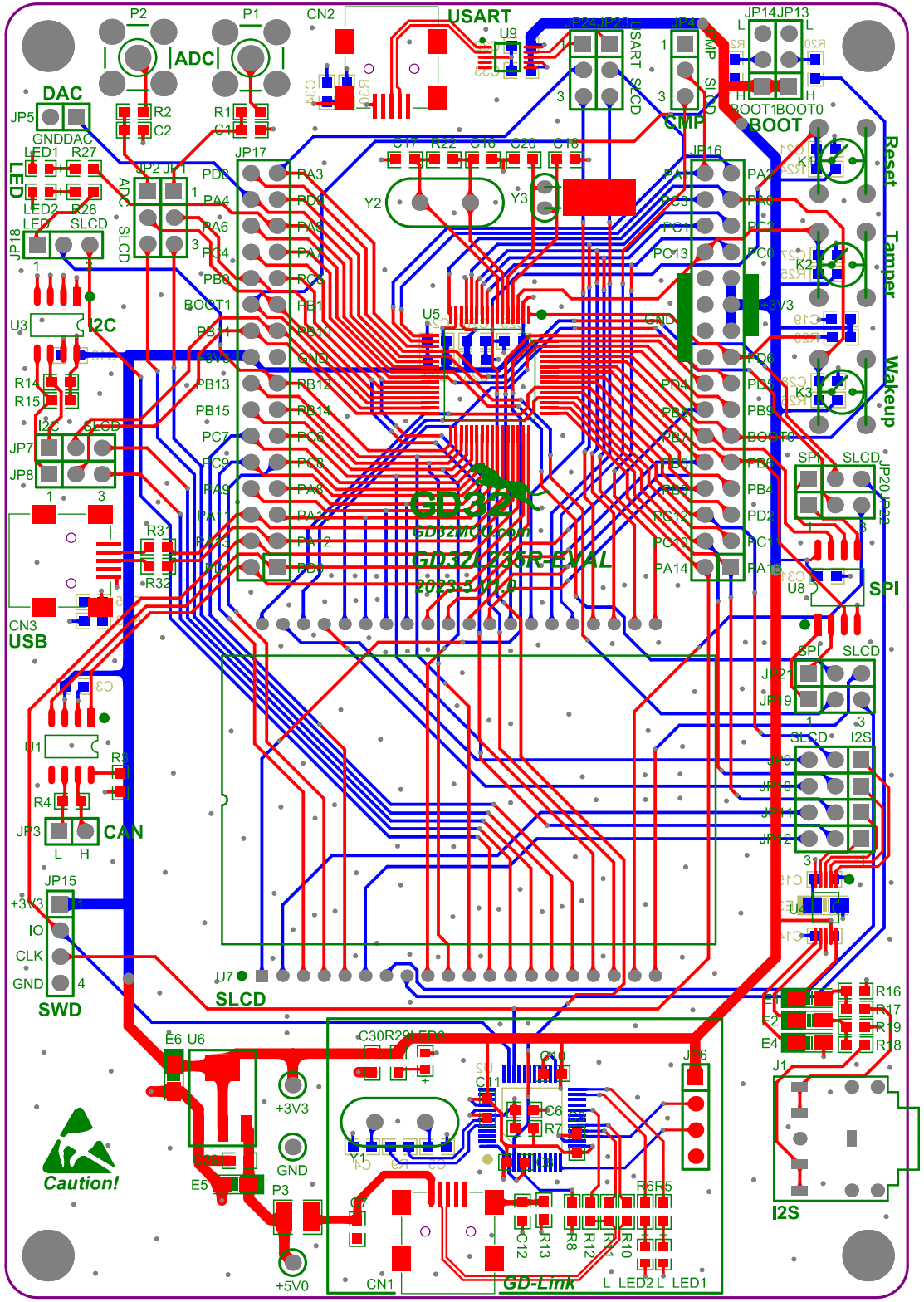




| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: USART/LPUART | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |

# USB




| | | |
|---|---|---|
| Company Name: GigaDevice | | |
| File Name: USB | | |
| Revision: 1.0 | Data: 2023-5-22 | Author: peng.zhang |


GD32
GD32MCU.com
GD32L233R-EVAL
2023-5-V1.0
USART
CMP
BOOT
Reset
Tamper
Wakeup
ADC
DAC
LED
I2C
SPI
USB
CAN
SWD
SLCD
I2S
GD-Link
Caution!
+3V3
+5V0
GND