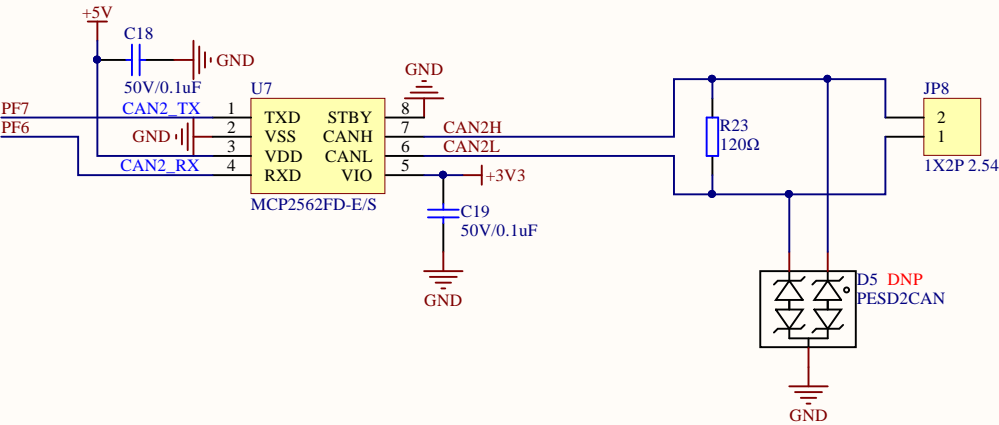


CAN



Company Name: GigaDevice

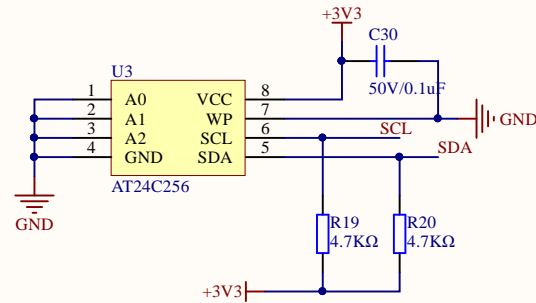
File Name: CAN

Revision: 1.0

Date: 2024-11

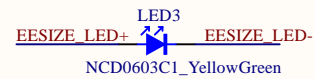
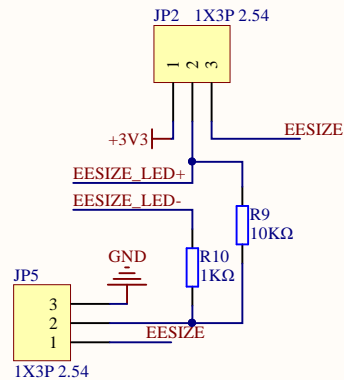
Author: jiawei.yuan

## EEPROM



Different sizes can be mounted

▲ I2C EEPROM Lower size Below  
16K (2K X 8)  
I2C EEPROM Higher size Above  
16K (2K X 8)



EESIZE	0	JP2,JP5(2&3)	EEPROM Size=1KB through 16KB
	1	JP2,JP5(1&2) <b>Default</b>	EEPROM Size=32KB through 512KB

Company Name: GigaDevice

File Name: EEPROM

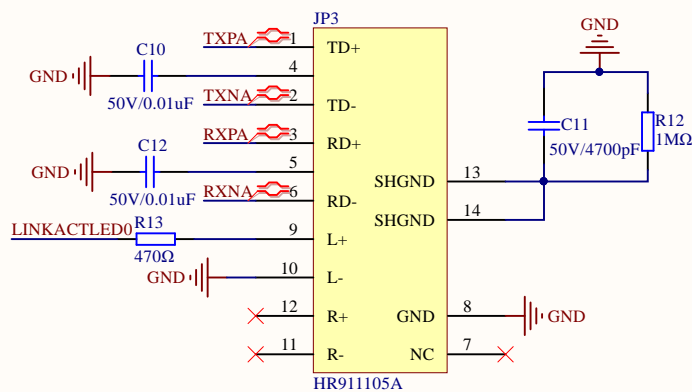
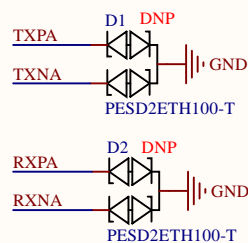
Revision: 1.0

Date: 2024-11

Author: Jiawei.Yuan

## ETHERNET

Port 0



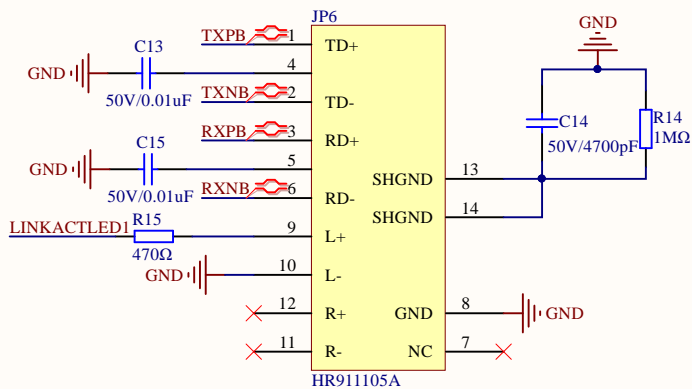
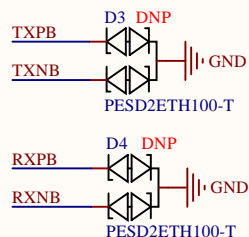
### Network Precautions

Please note that the internal PHY of GDETHC is a voltage-type PHY.

### Layout Precautions

The TXP/TXN and RXP/RXN traces should always be as short as possible. The individual trace impedance of TXP/TXN and RXP/RXN must be kept below 50 ohm, and the differential characteristic impedance of the pair must be 100 ohm.

Port 1



Company Name: GigaDevice

File Name: ETHERNET

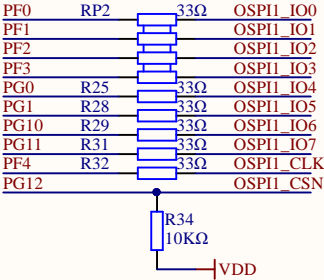
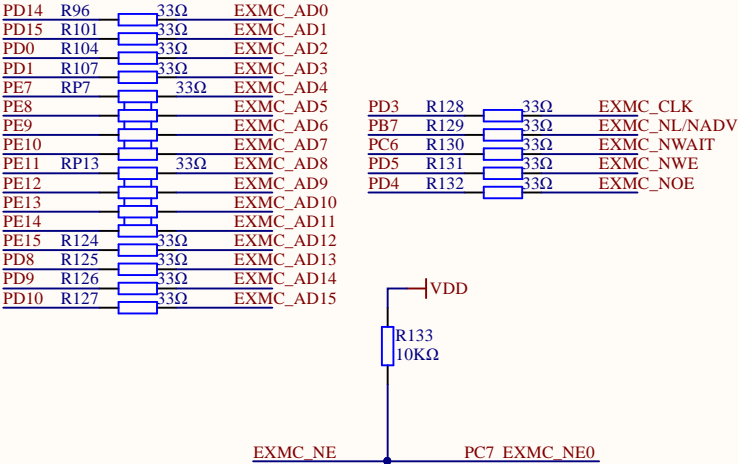
Revision: 1.0

Date: 2024-11

Author: jiawei.yuan

8/16bit EXMC

OSPI 8Bit



Company Name: GigaDevice

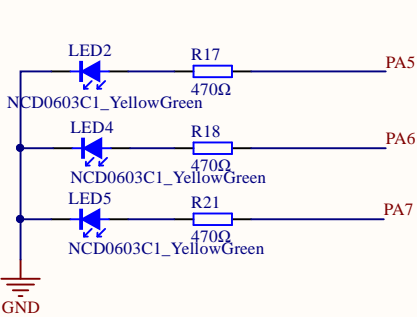
File Name: EXMC&OSPI

Revision: 1.0

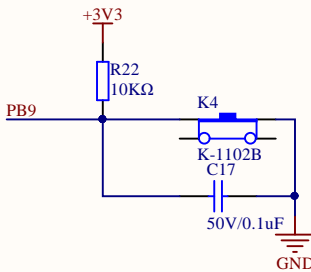
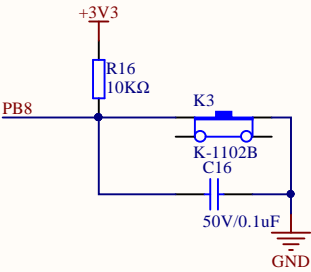
Date: 2024-11

Author: Jiawei.Yuan

LED



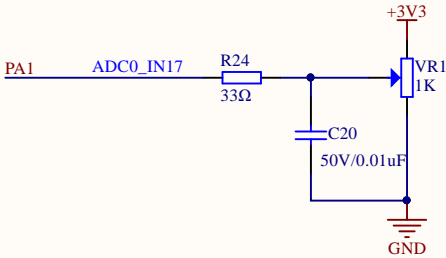
KEY



DAC



ADC



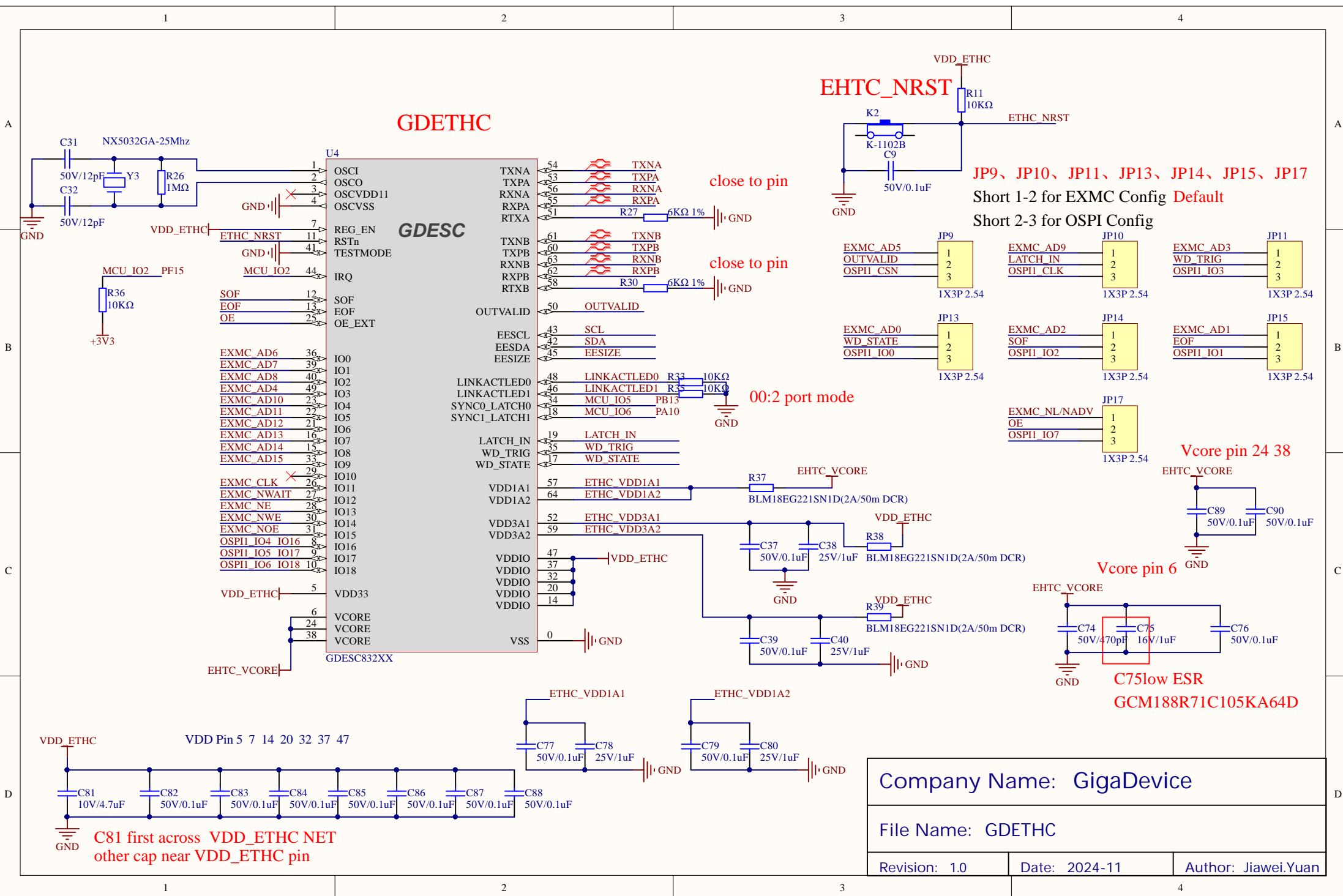
Company Name: GigaDevice

File Name: Extension

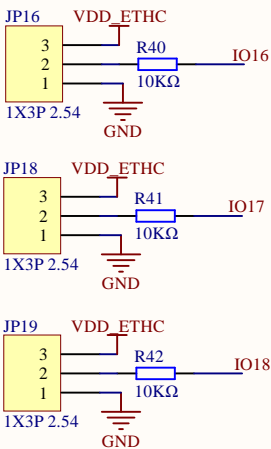
Revision: 1.0

Date: 2024-11

Author: jiawei.yuan



# GDETHCStrap



Signal Name	Logic	Connector	Strap
IO16	0	JP16(1&2)	SPI Mode
	1	JP16(2&3) <b>Default</b>	EXMC Mode
IO17	0	JP18(1&2) <b>Default</b>	LDO no Bypass
	1	JP18(2&3)	LDO Bypass
IO18	0	JP19(1&2) <b>Default</b>	No Reset delay
	1	JP19(2&3)	Open Reset delay

Company Name: GigaDevice

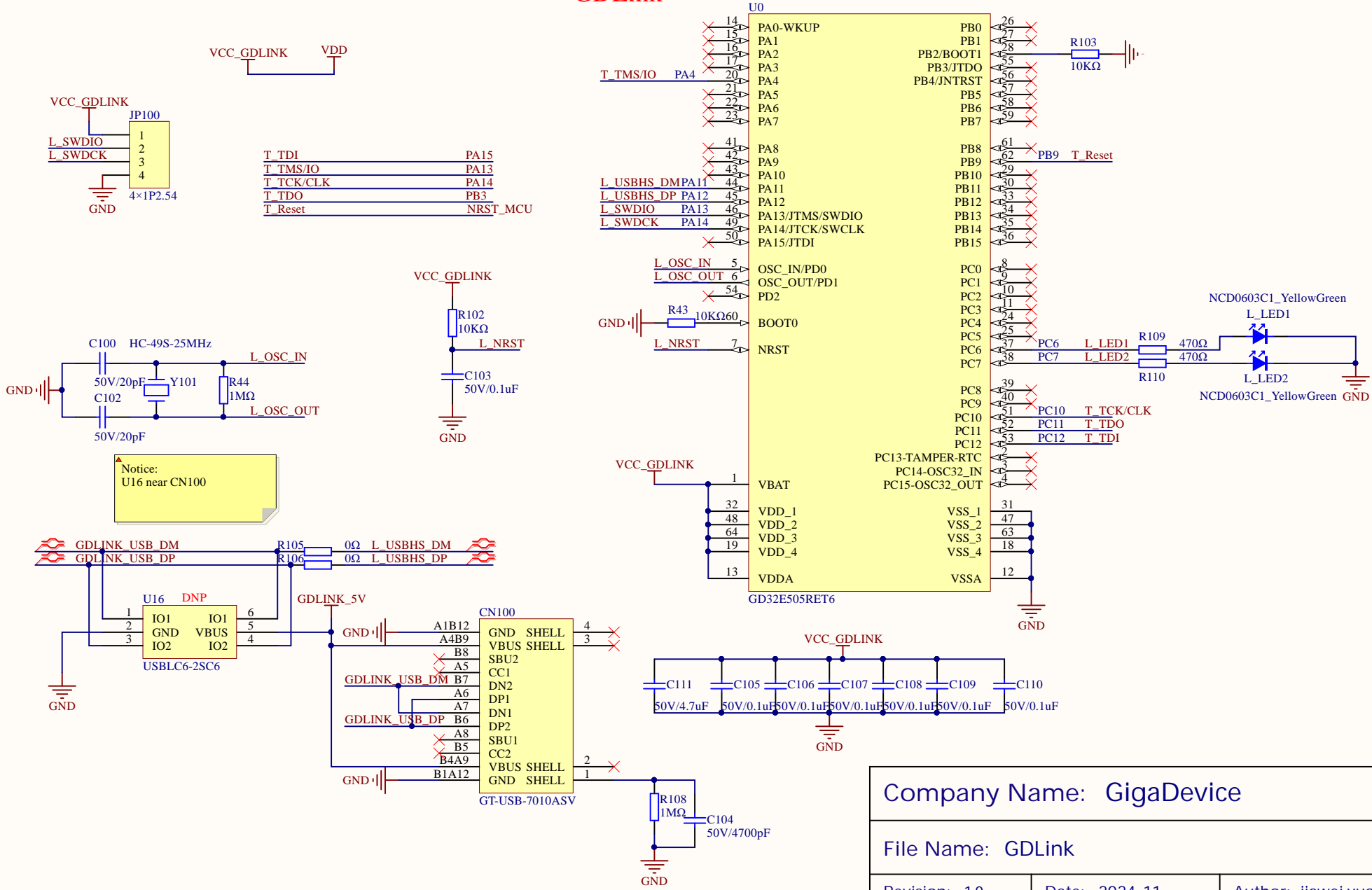
File Name: GDETHCStrap

Revision: 1.0

Date: 2024-11

Author: [jiawei.yuan](#)

GDLink



Company Name: GigaDevice

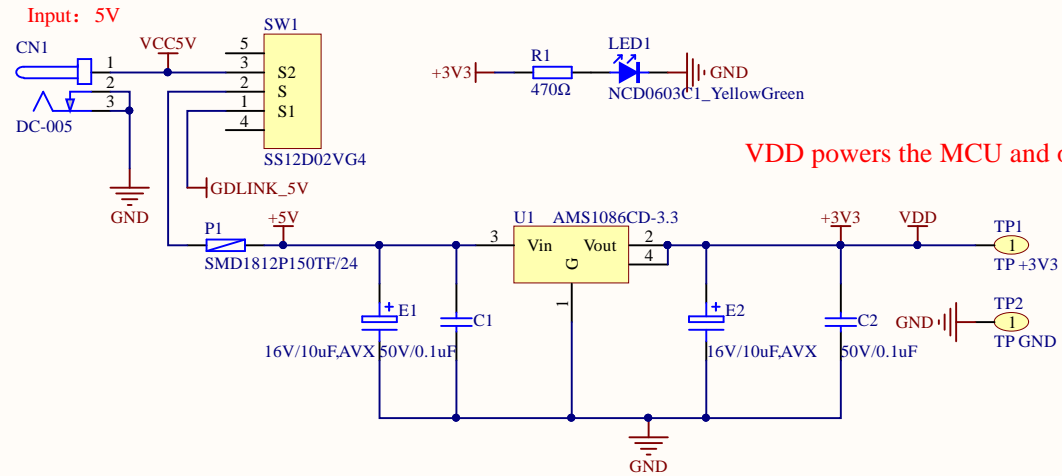
File Name: GDLink

Revision: 1.0      Date: 2024-11      Author: jiawei.yuan

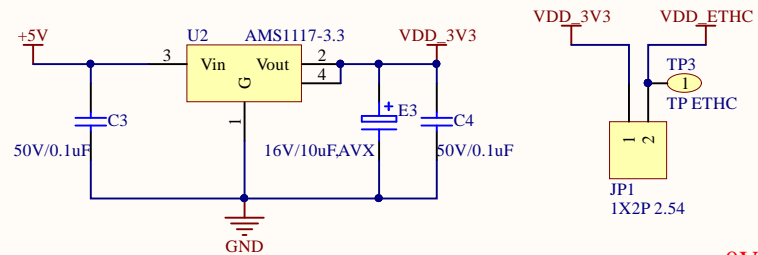




## Power

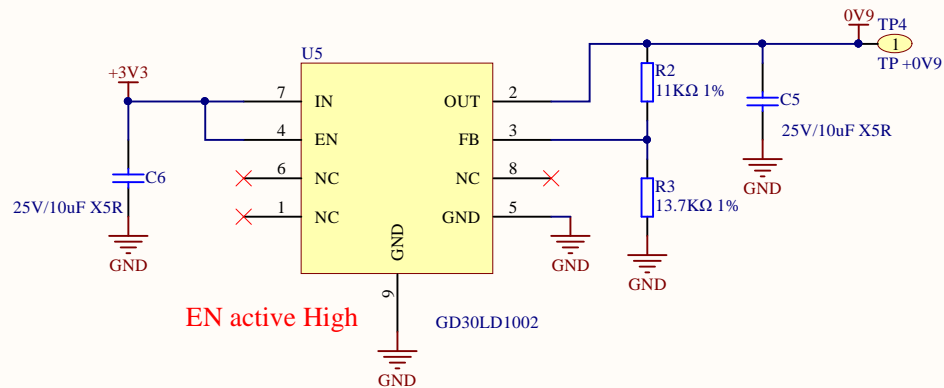


VDD\_ETHC powers the ETHC.  
Power Consumption Measurement



If you need to test the power consumption of GDETHC, please connect the multimeter in series to JP1.

0V9 powers the MCU BYPASS.



Company Name: GigaDevice

File Name: Power

Revision: 1.0

Date: 2024-11

Author: Jiawei.Yuan

