

Schematics of GD32 飞控-Base

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REV	Description	DATE	BY	NOTE
V1.0	First Draft	2022-08-31	AMOV	
V2.0	First Draft	2022-12-06	AMOV	

J1
DF12NB(3.0)-80DS-0.5V(51)

JTAG

GPS
MCU LED

USB

CAN

ADC

GPIO

SPI1

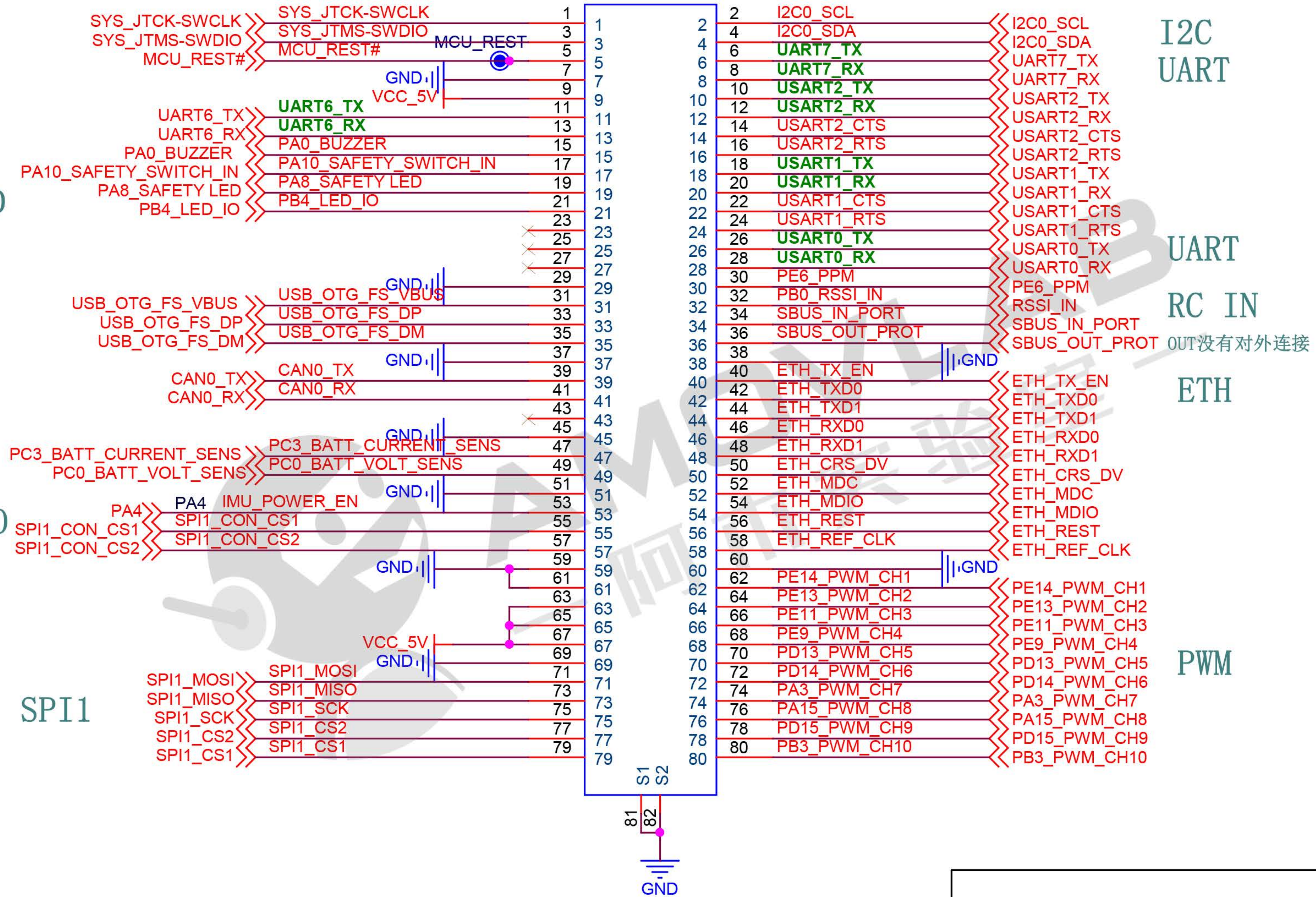
I2C
UART

UART

RC IN

ETH

PWM



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Title: 02-BTB-CONNECTOR

File: GD32_BASE

REV: V1.0

Create Date: Tuesday, August 23, 2022

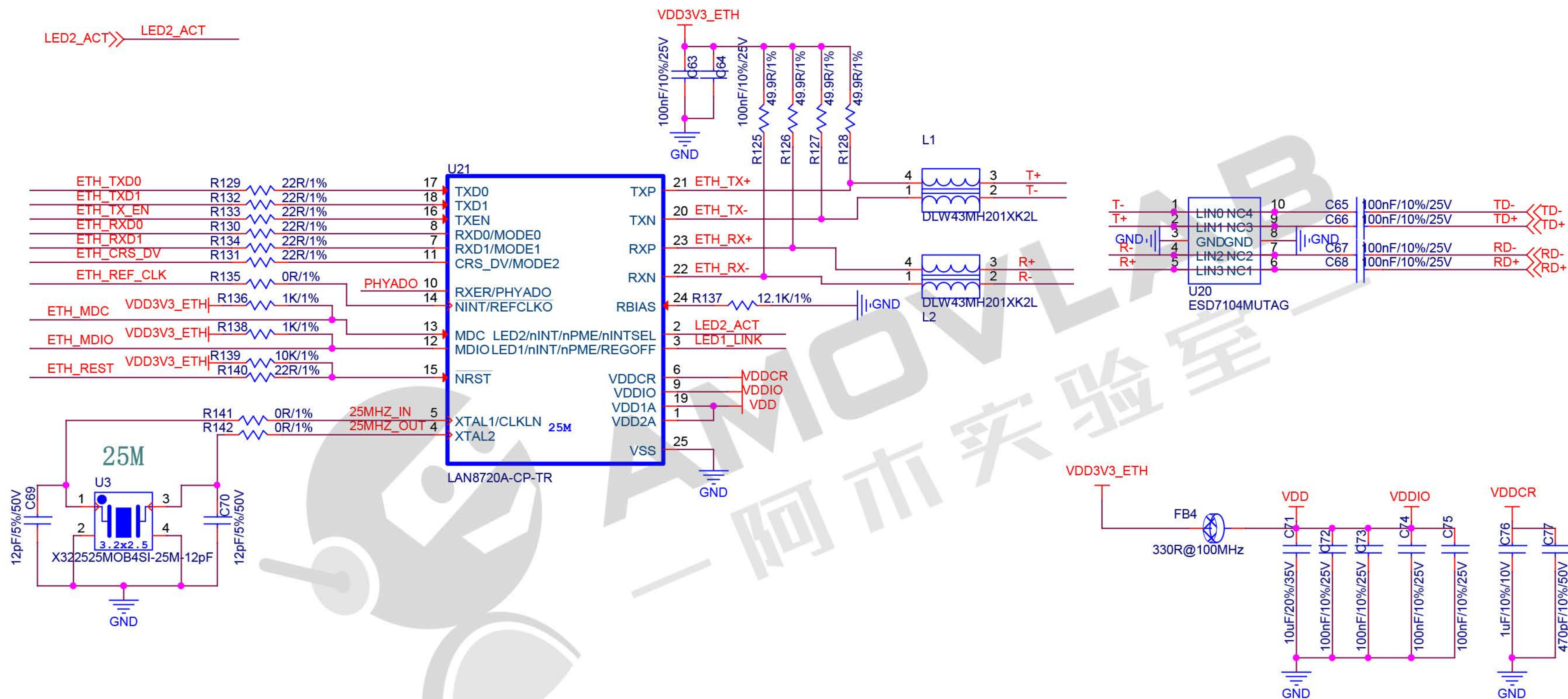
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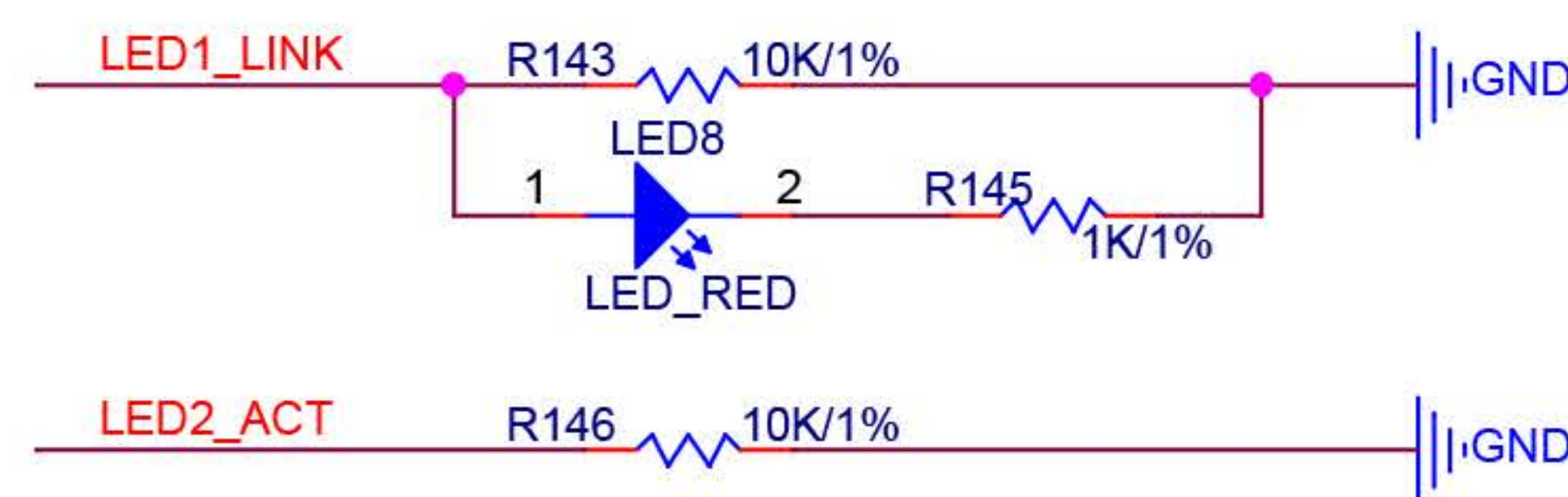
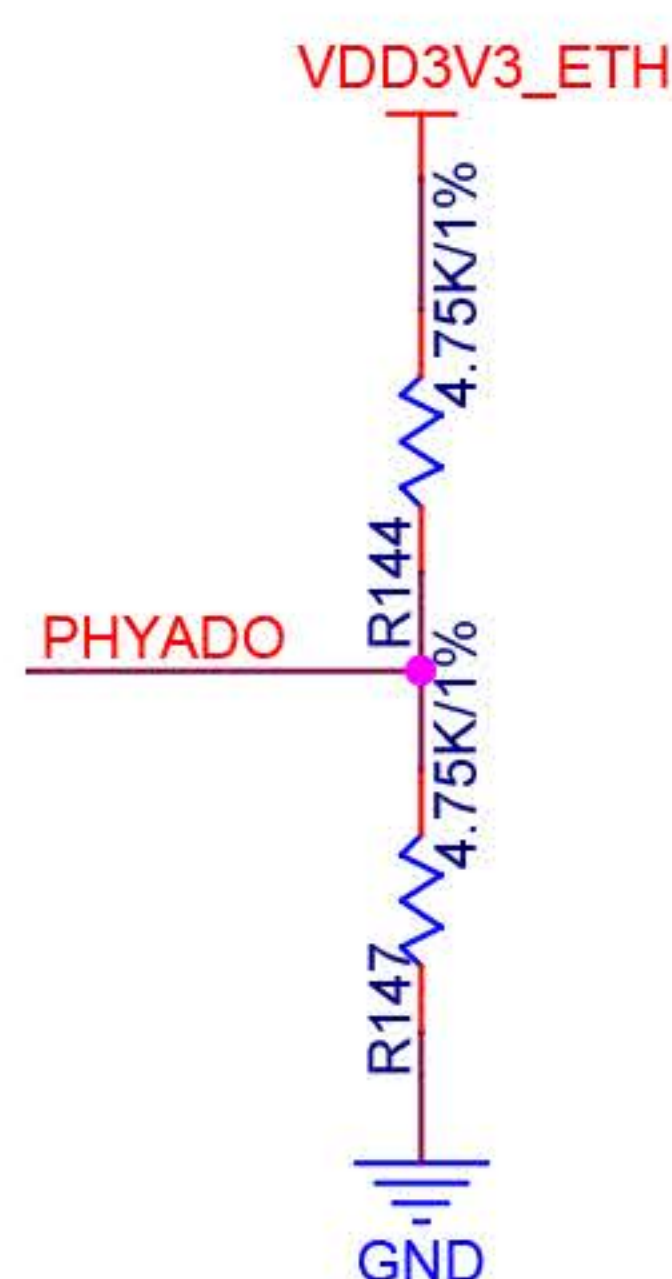
ETH_REST >> ETH_REST
ETH_REF_CLK >> ETH_REF_CLK
ETH_MDIO >> ETH_MDIO
ETH_MDC >> ETH_MDC
ETH_CRSDV >> ETH_CRSDV
ETH_RXD1 >> ETH_RXD1
ETH_RXD0 >> ETH_RXD0
ETH_TXD1 >> ETH_TXD1
ETH_TXD0 >> ETH_TXD0
ETH_TX_EN >> ETH_TX_EN

LED2_ACT >> LED2_ACT



PHY Address

LED Configuration

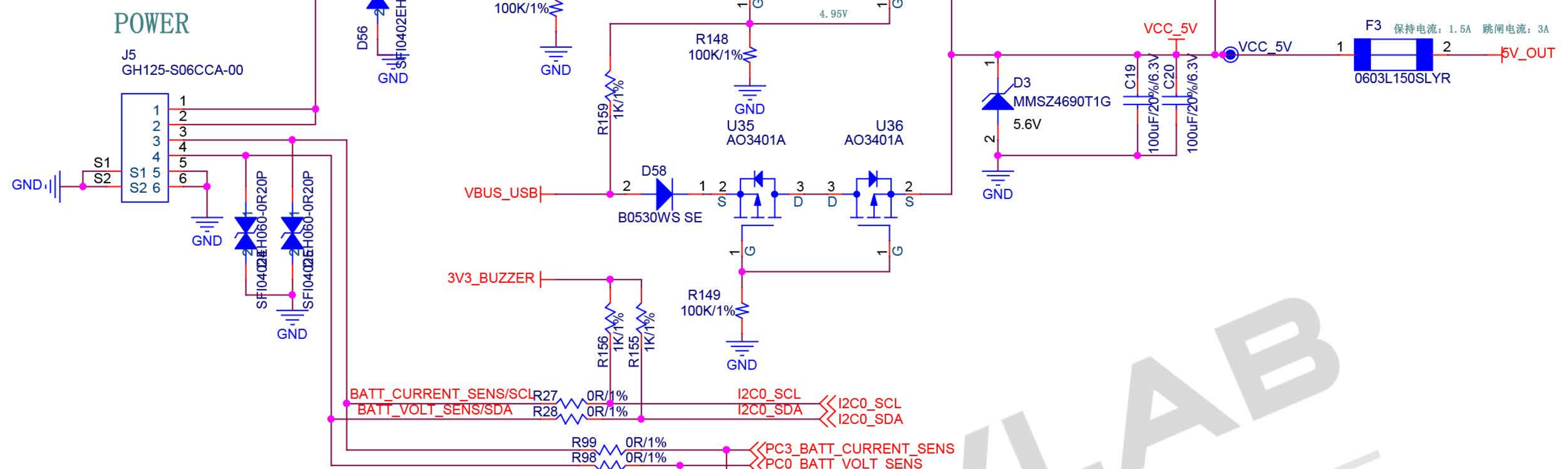


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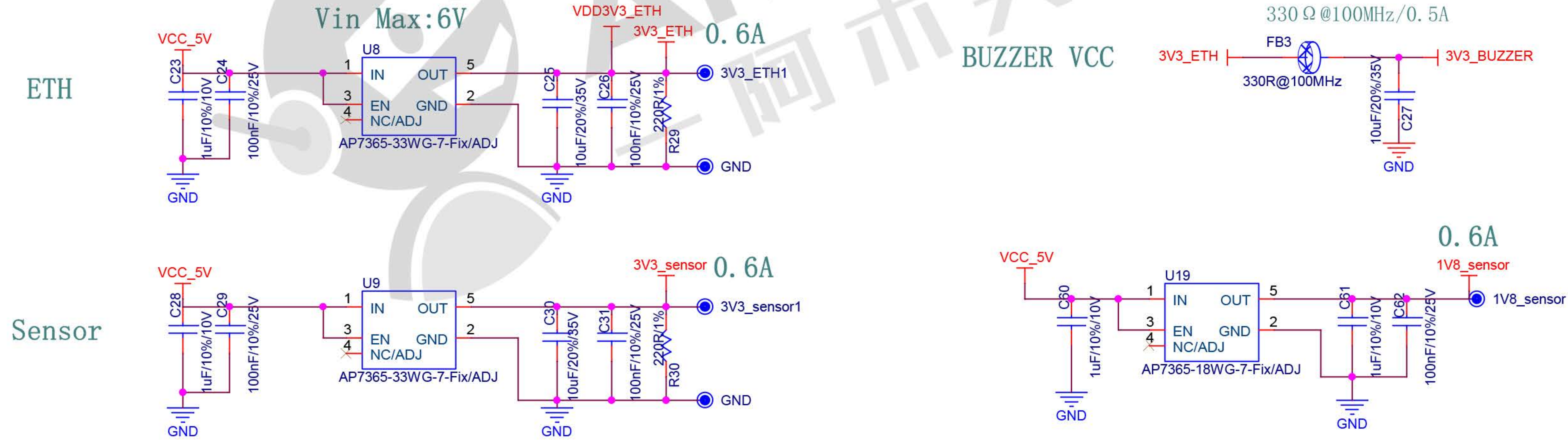
Title: 03-PHY	
File: GD32_BASE	REV: V1.0
Create Date: Tuesday, December 06, 2022	Page Num: 4
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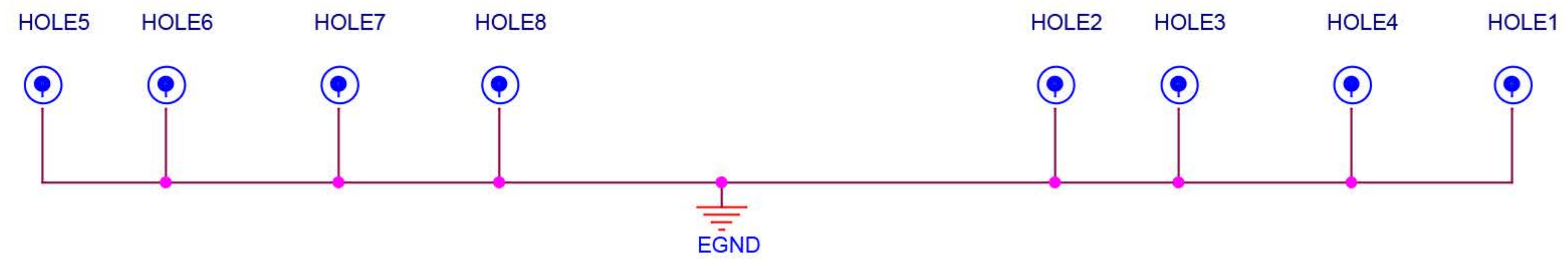
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电源采样使用电阻选焊的方案：
I2C采样：R27, R28
ADC采样：R98, R99 -----默认

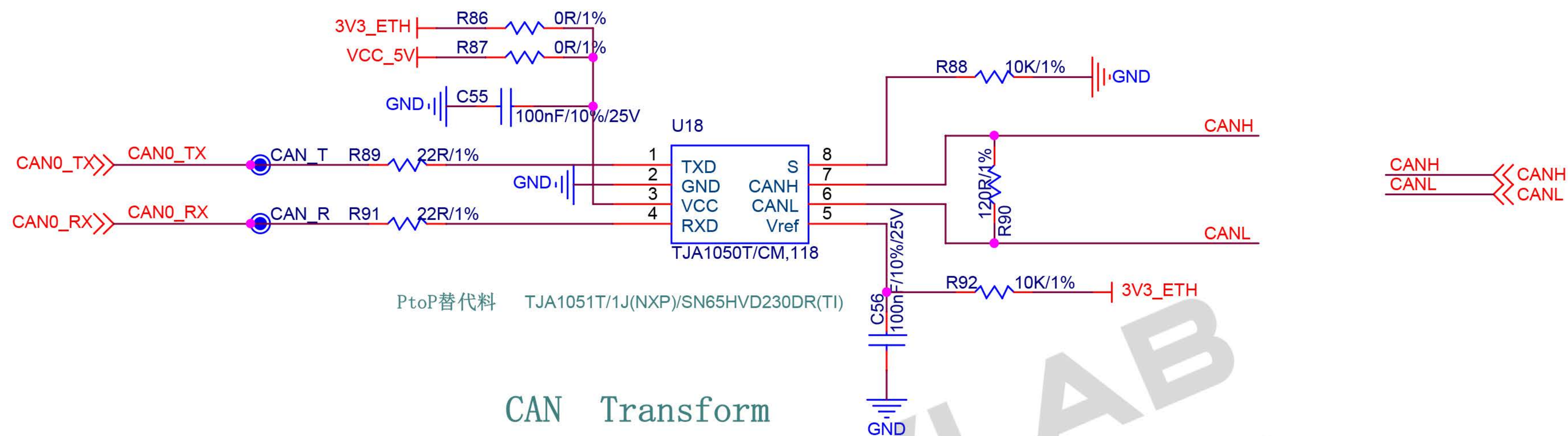


结构固定M1.5螺母



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Title: 05-POWER	
File: GD32_BASE	REV: V1.0
Create Date: Tuesday, August 23, 2022	Page Num: 6
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Title: 06-CAN

File: GD32_BASE

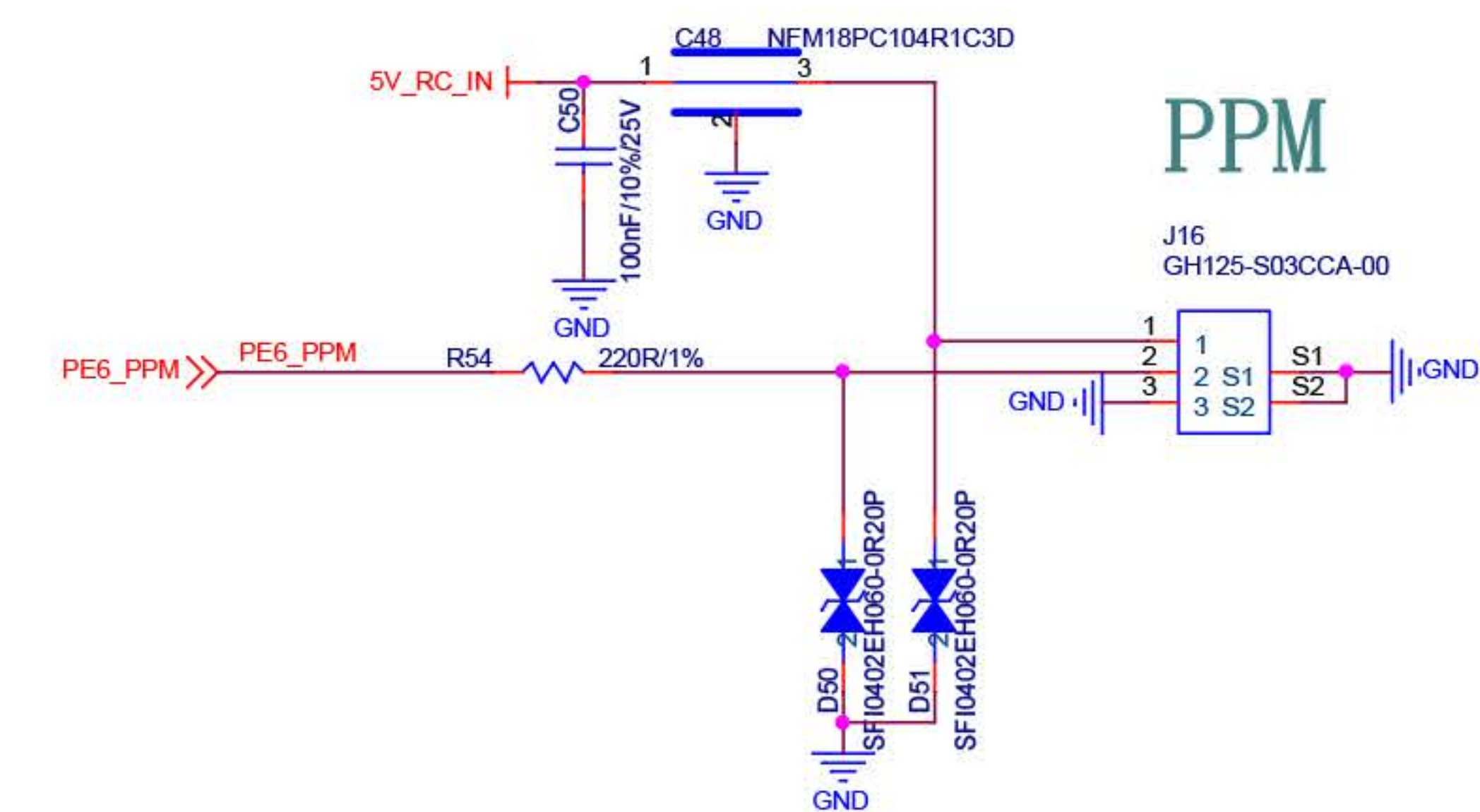
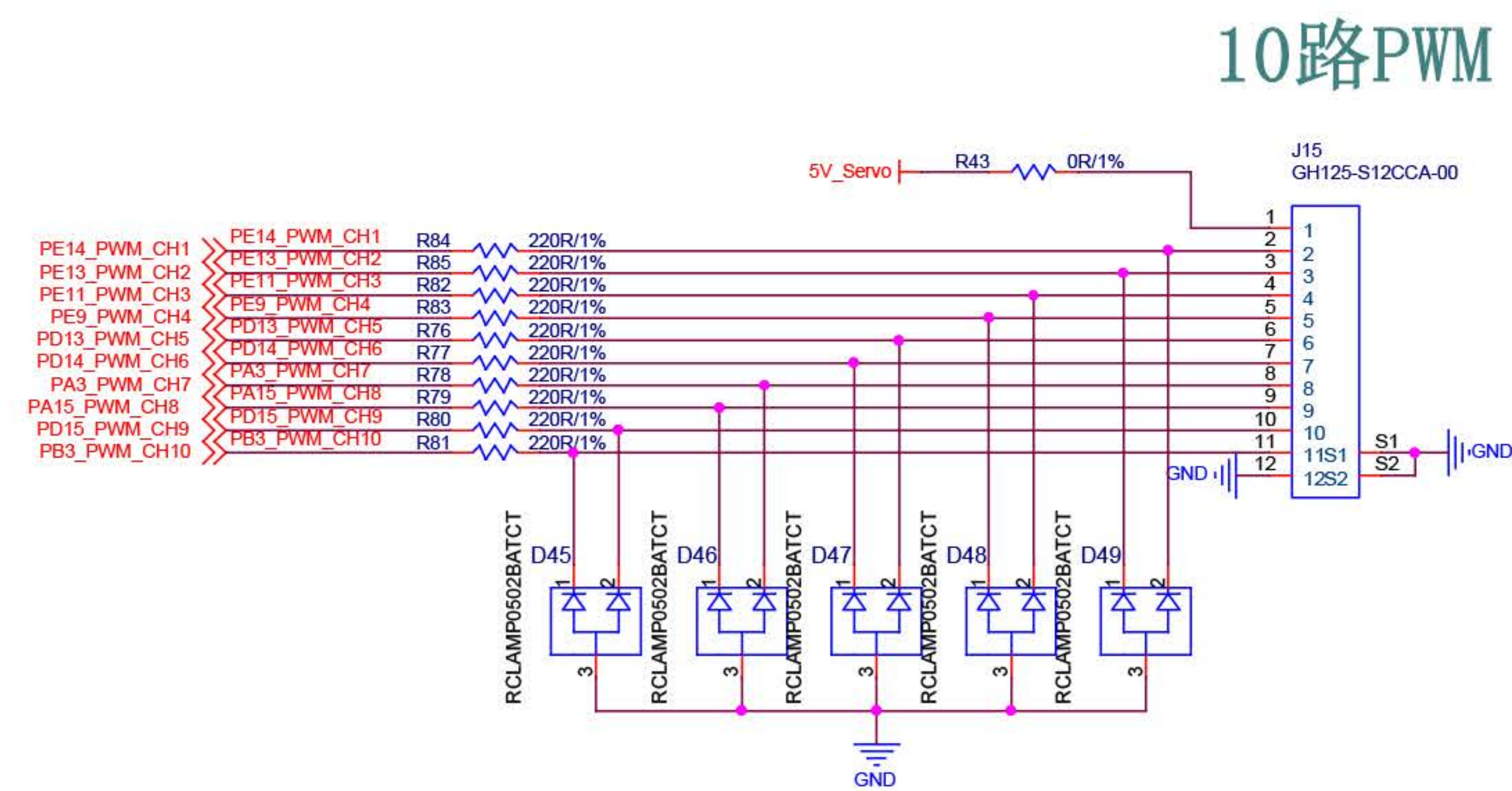
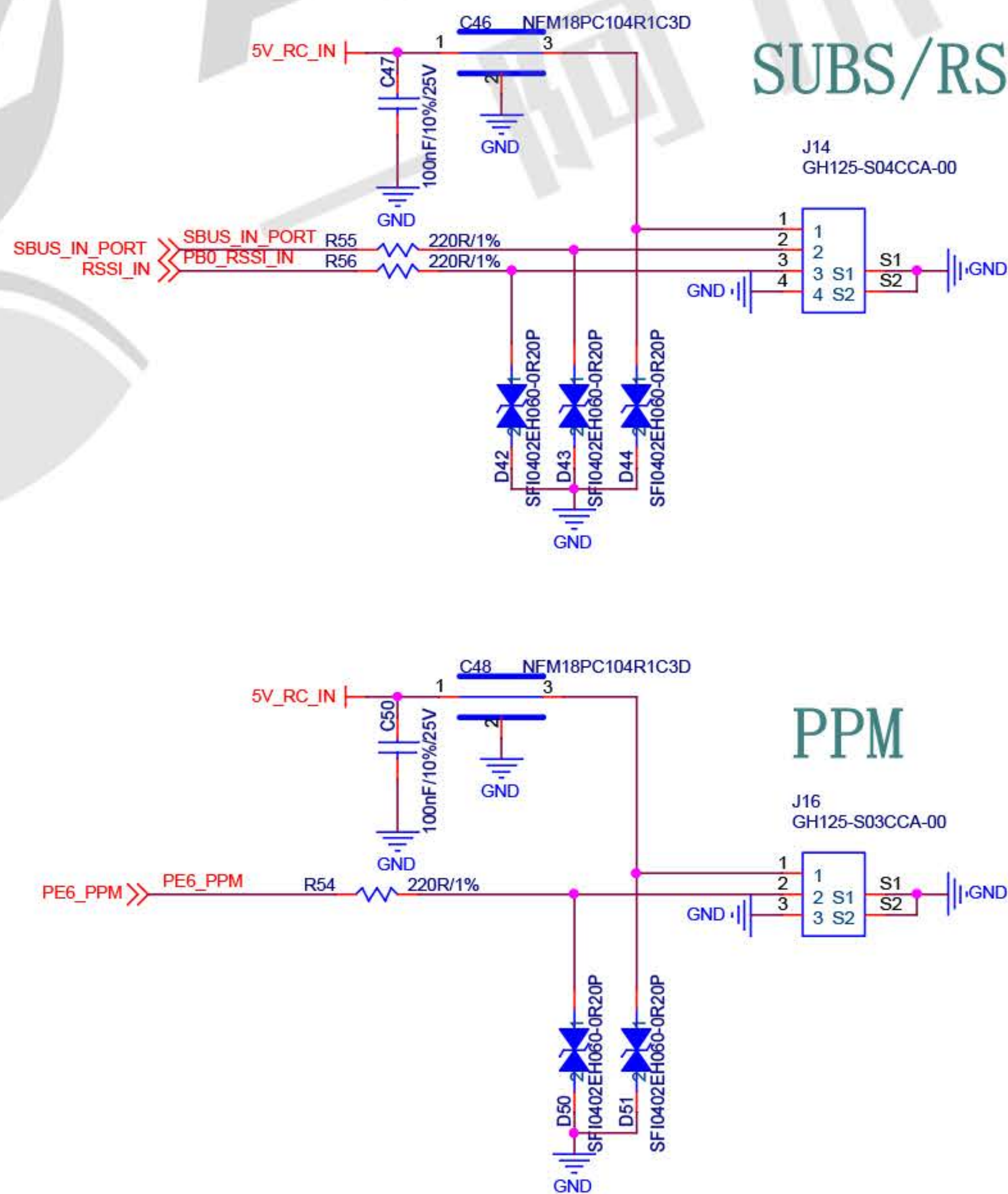
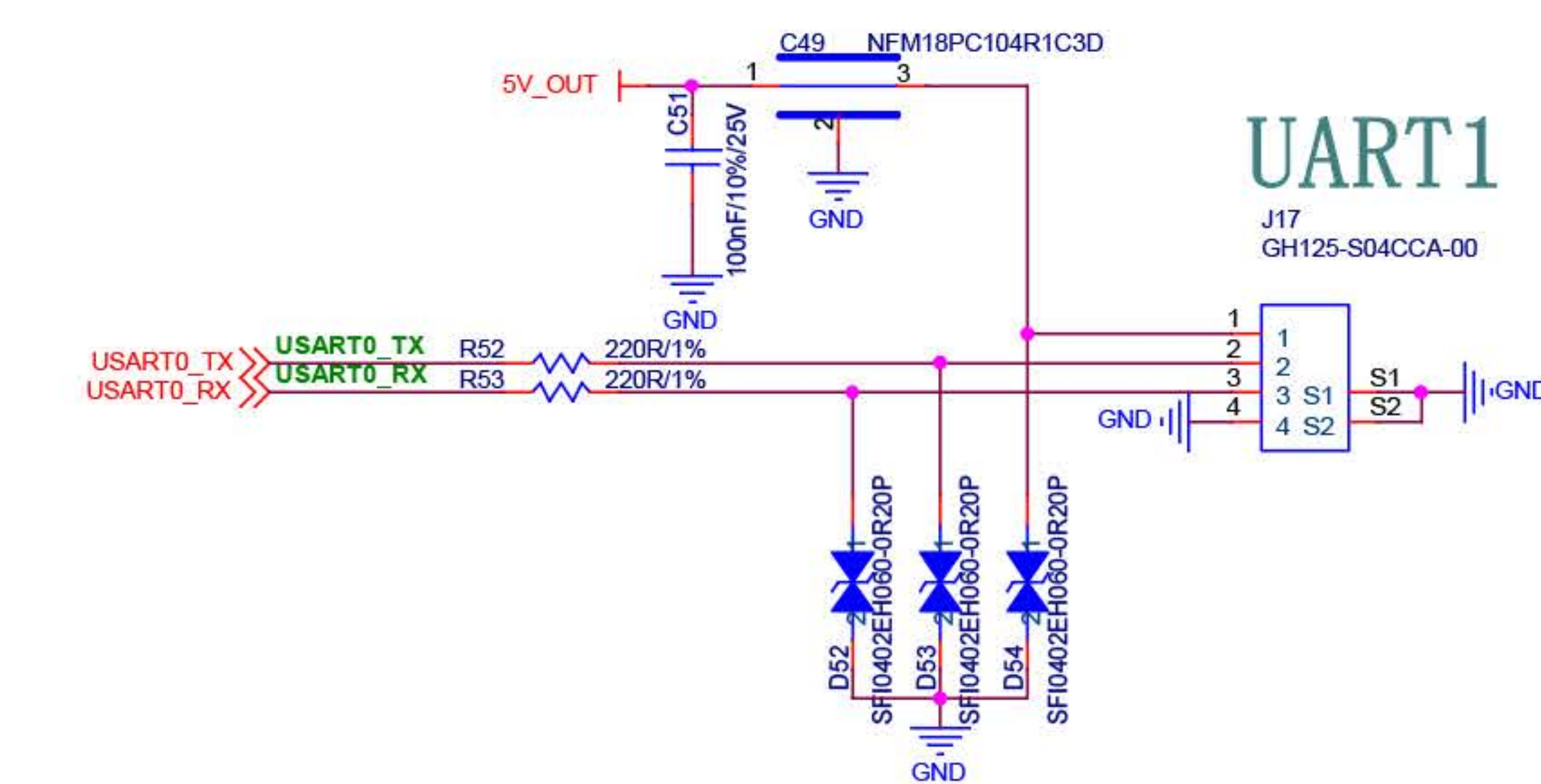
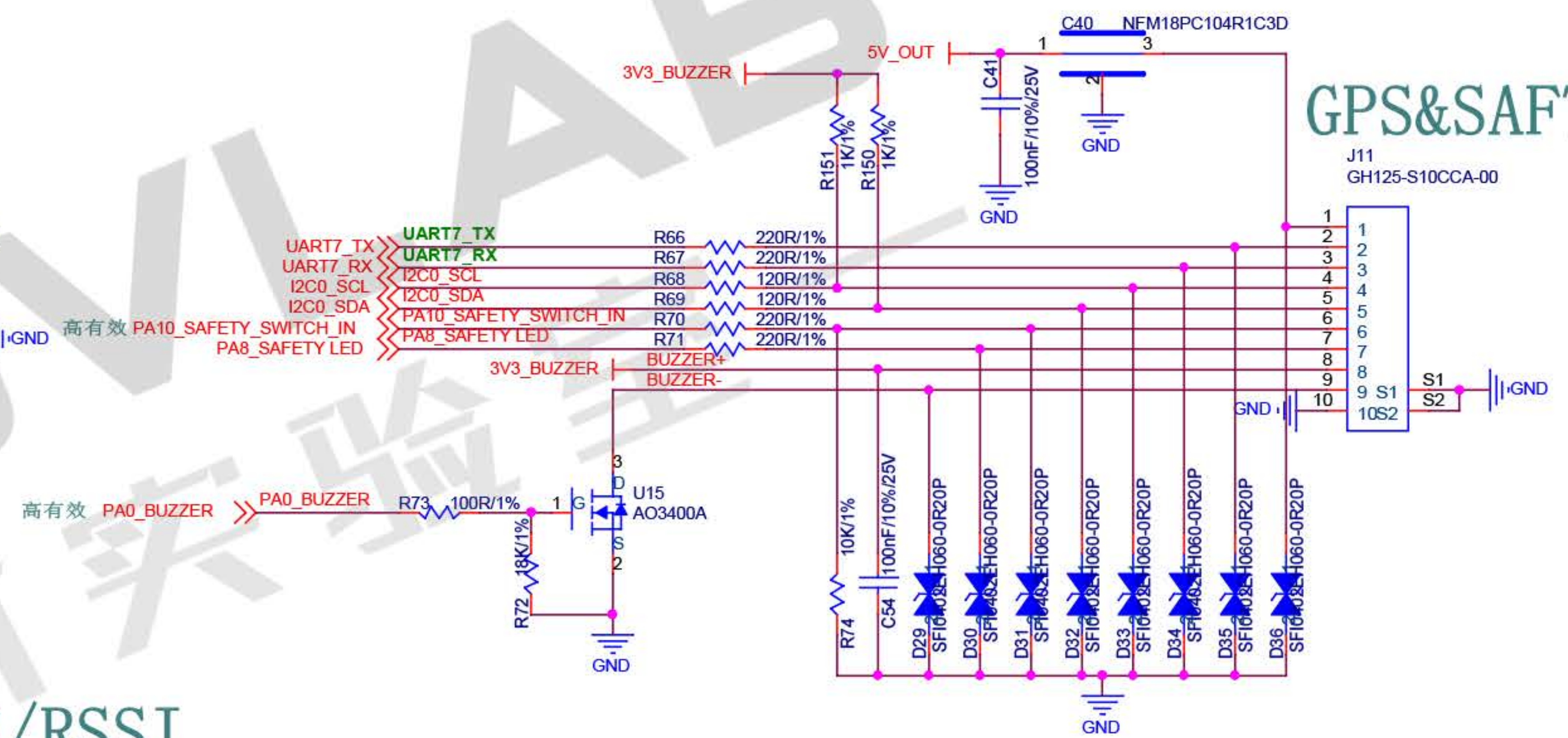
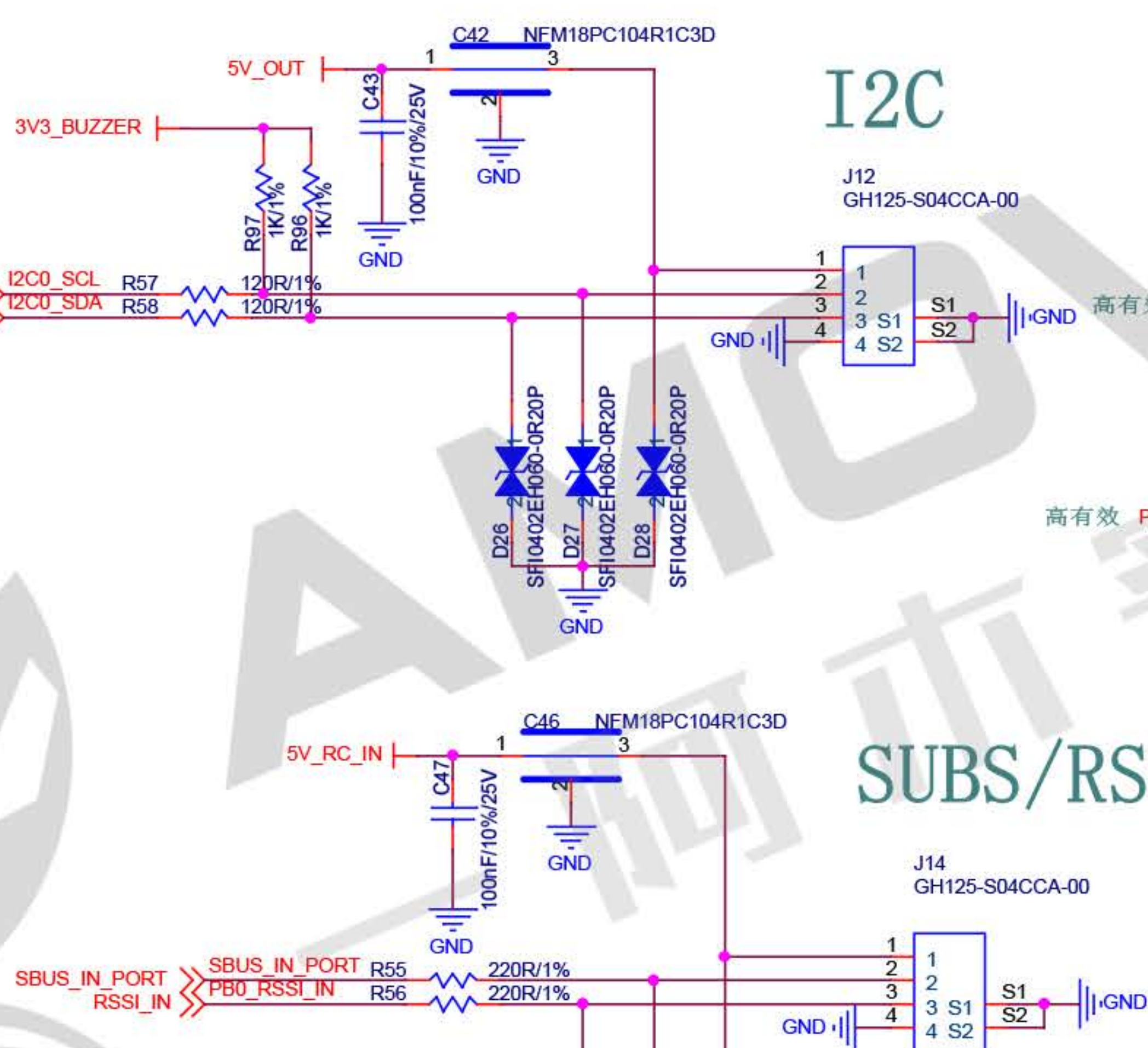
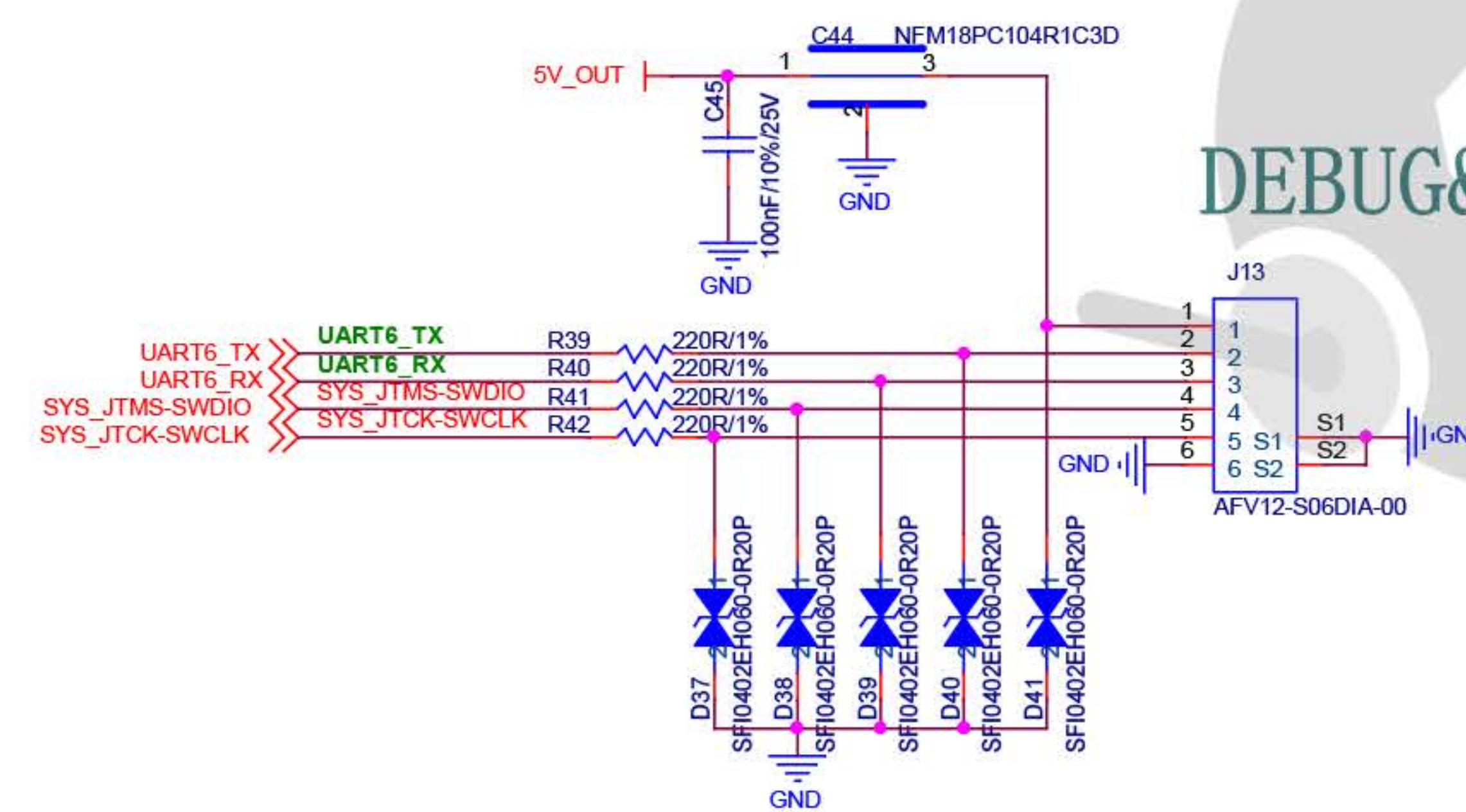
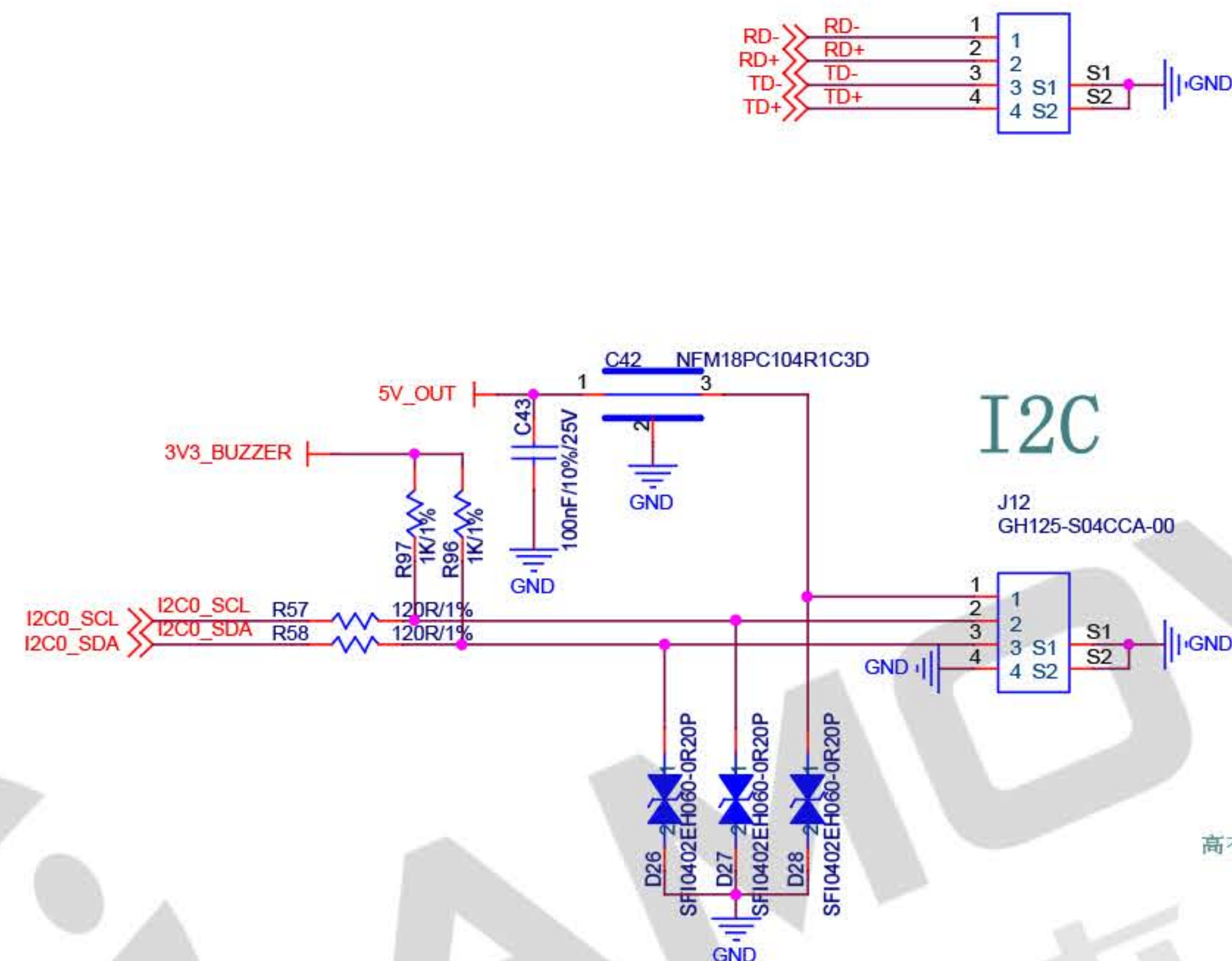
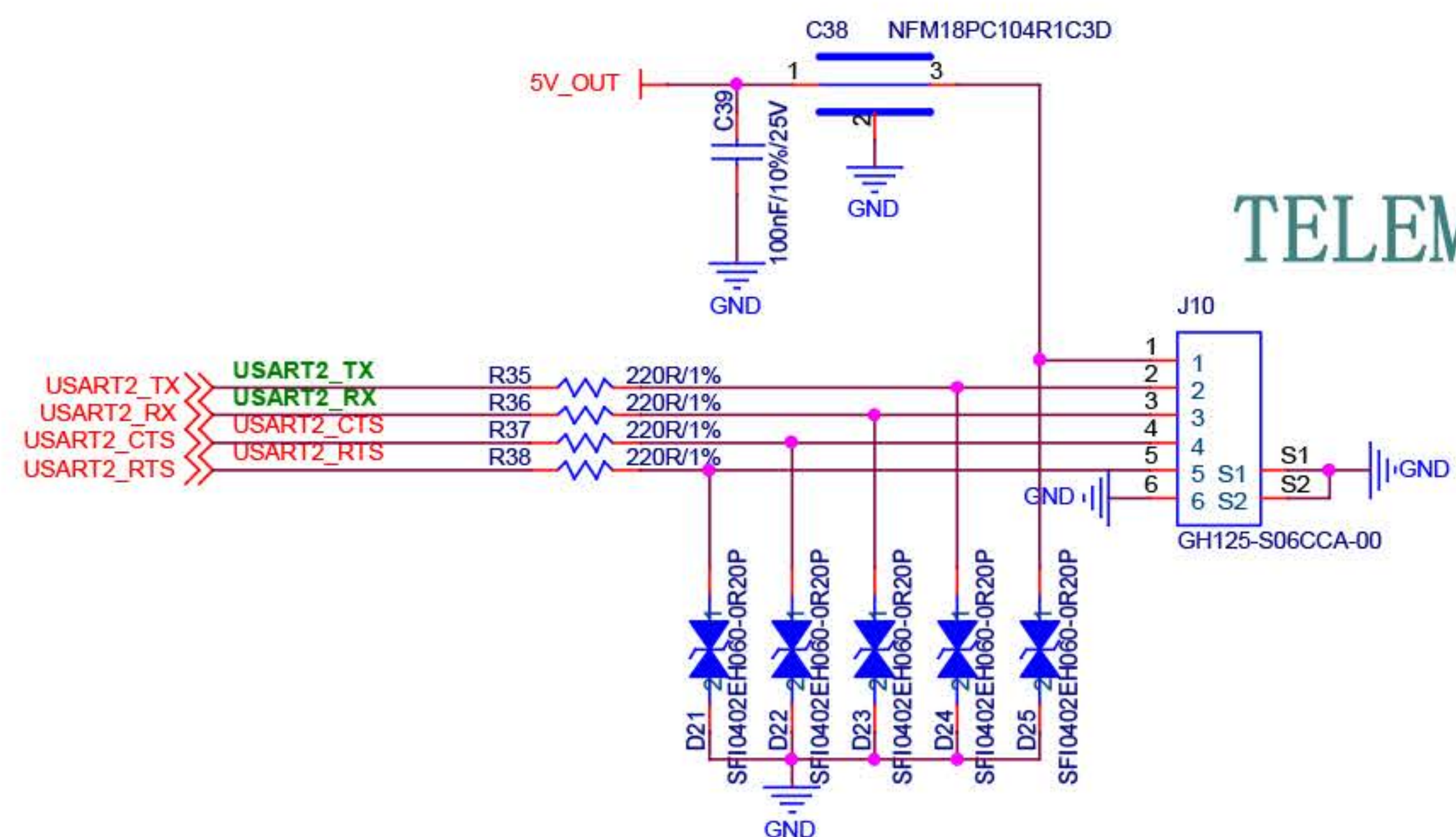
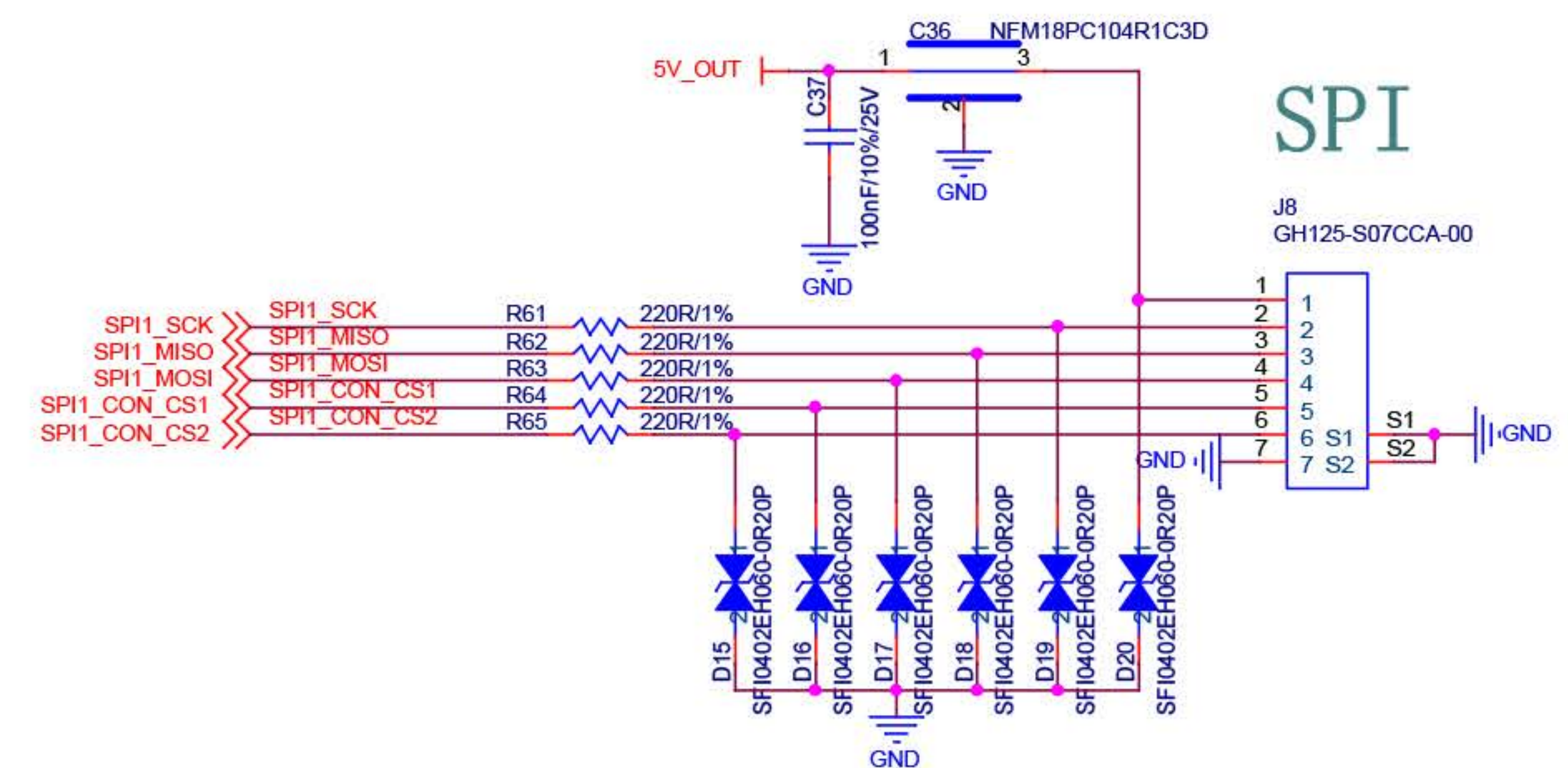
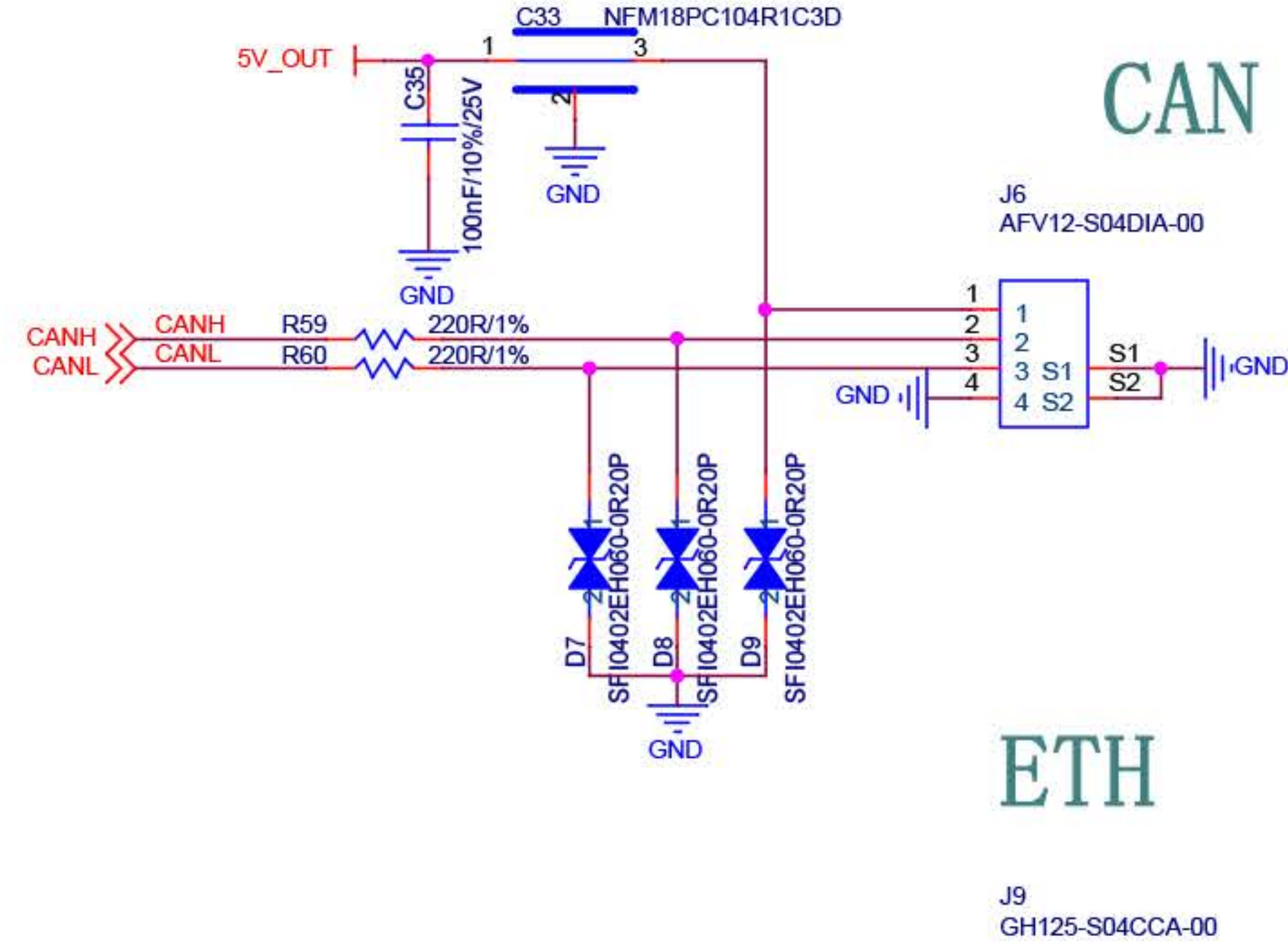
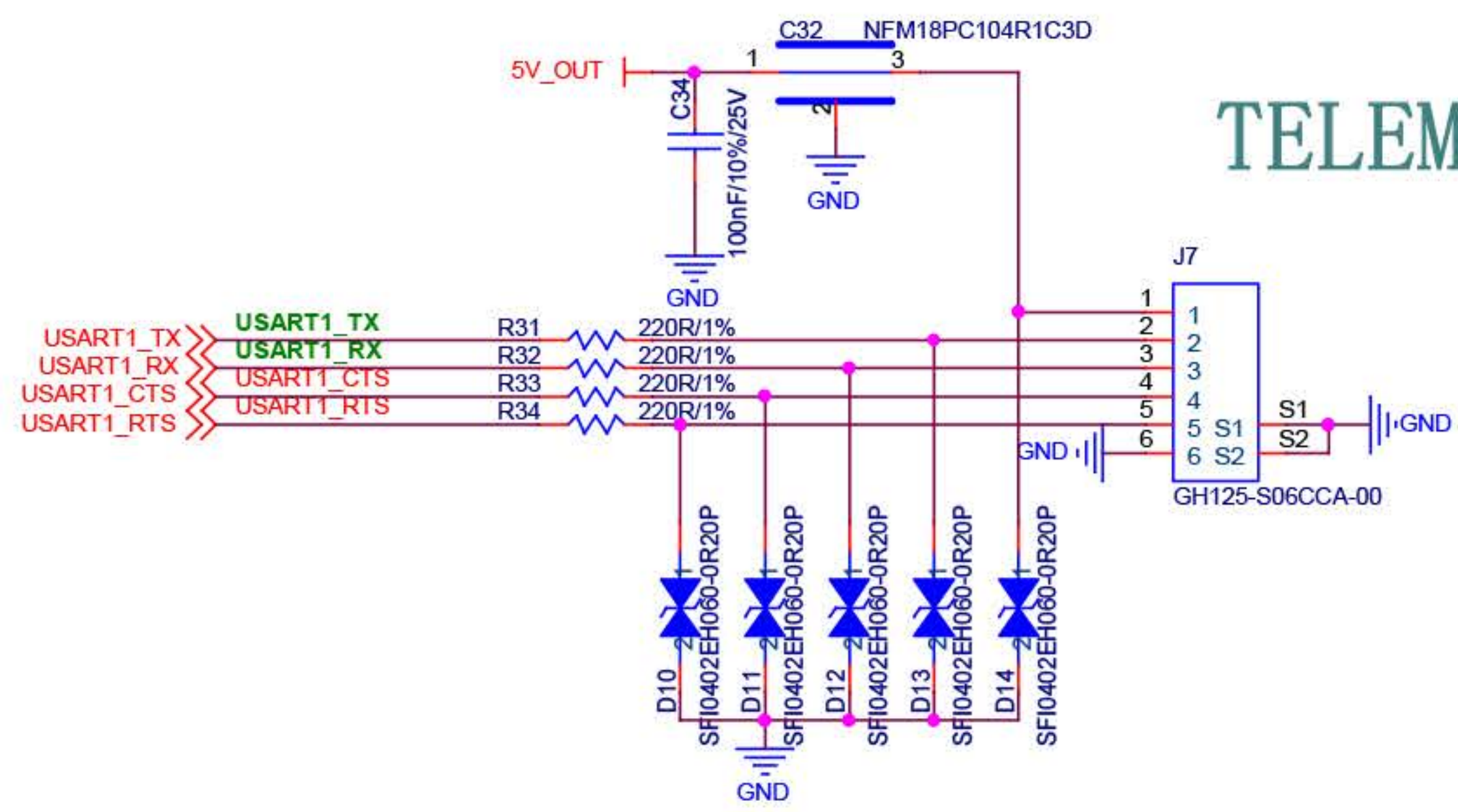
REV: V1.0

Create Date: Wednesday, August 31, 2022

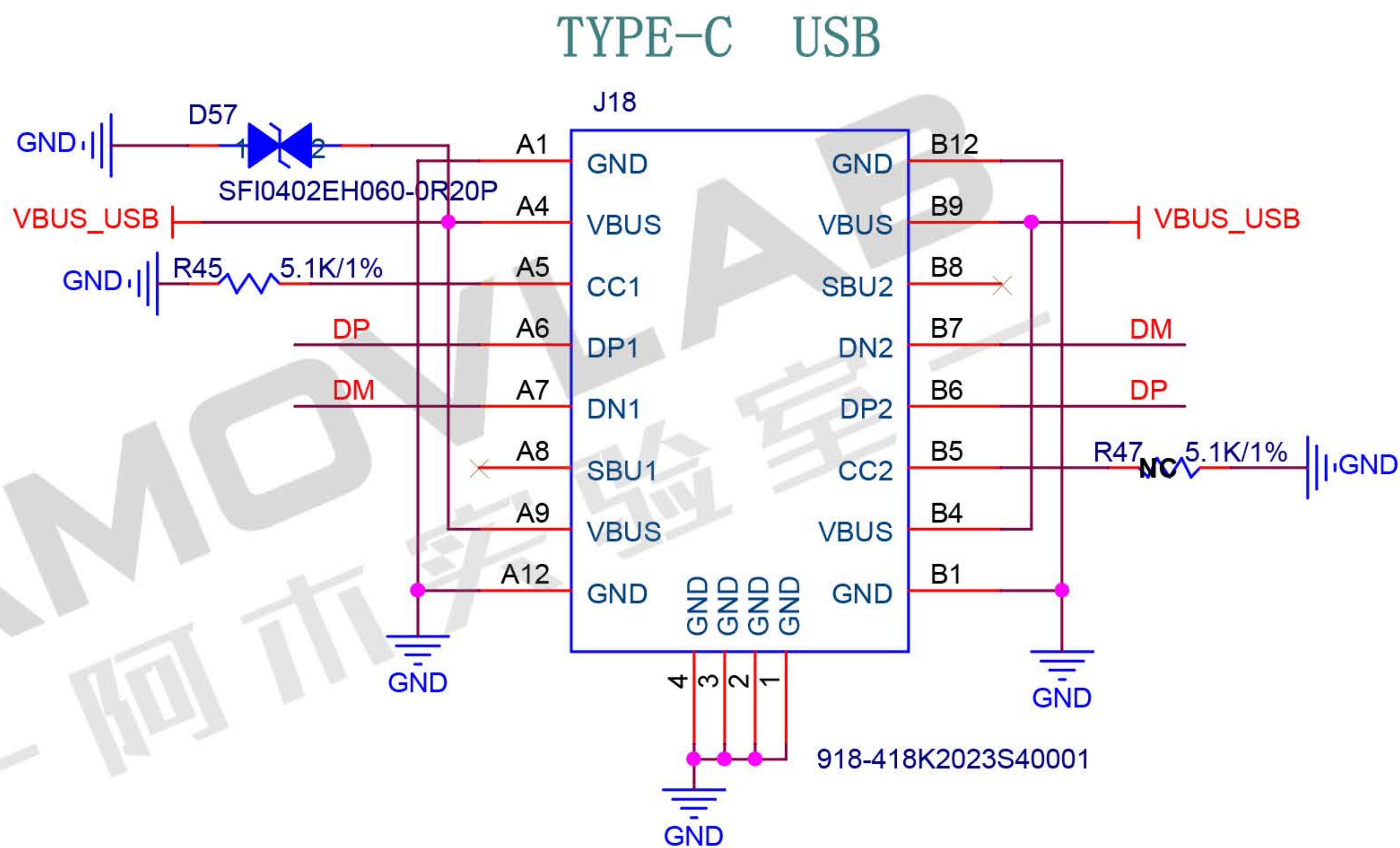
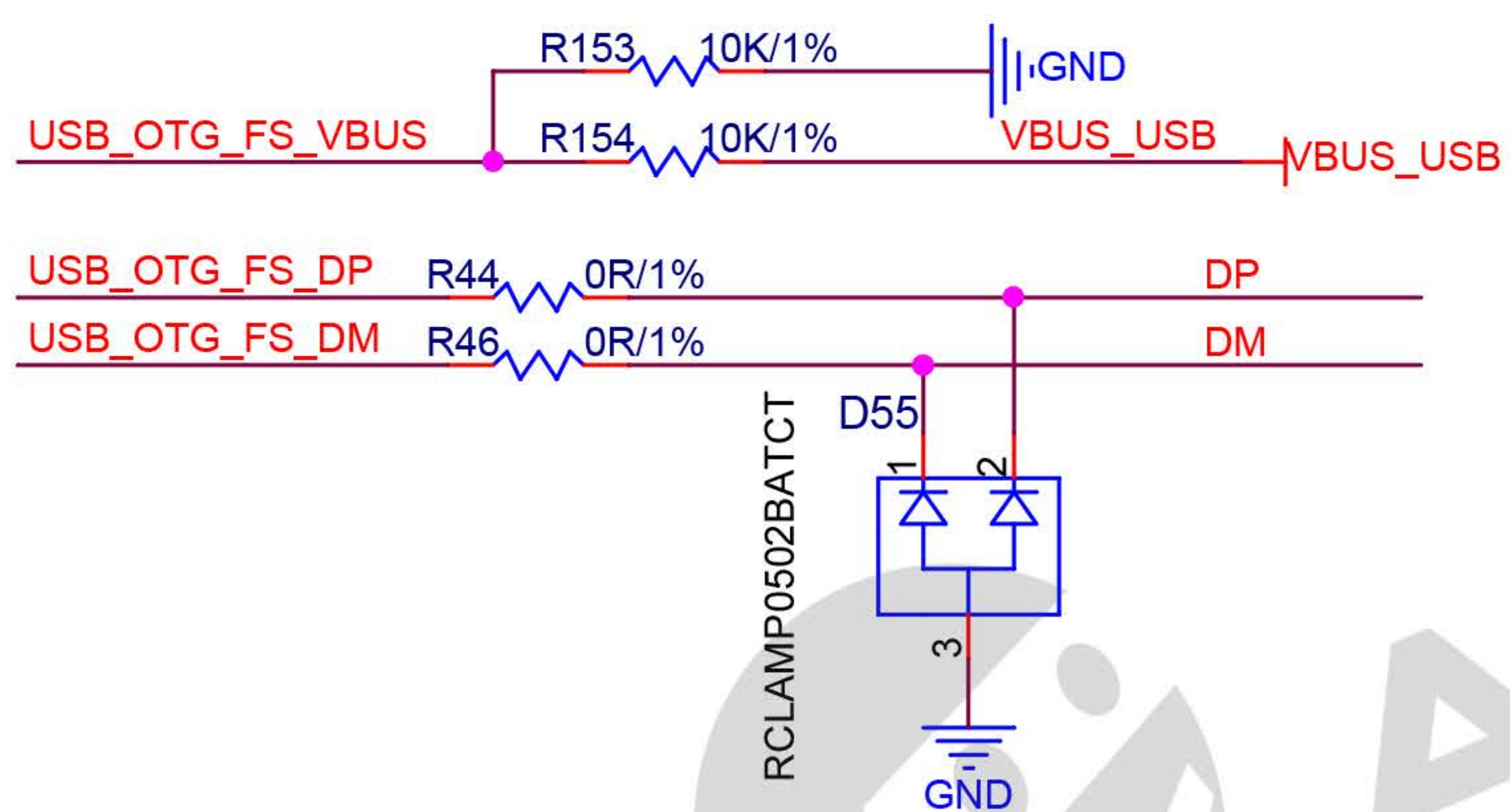
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USB_OTG_FS_DM << USB_OTG_FS_DM
USB_OTG_FS_DP << USB_OTG_FS_DP
USB_OTG_FS_VBUS << USB_OTG_FS_VBUS



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Title: 08-USB

File: GD32_BASE

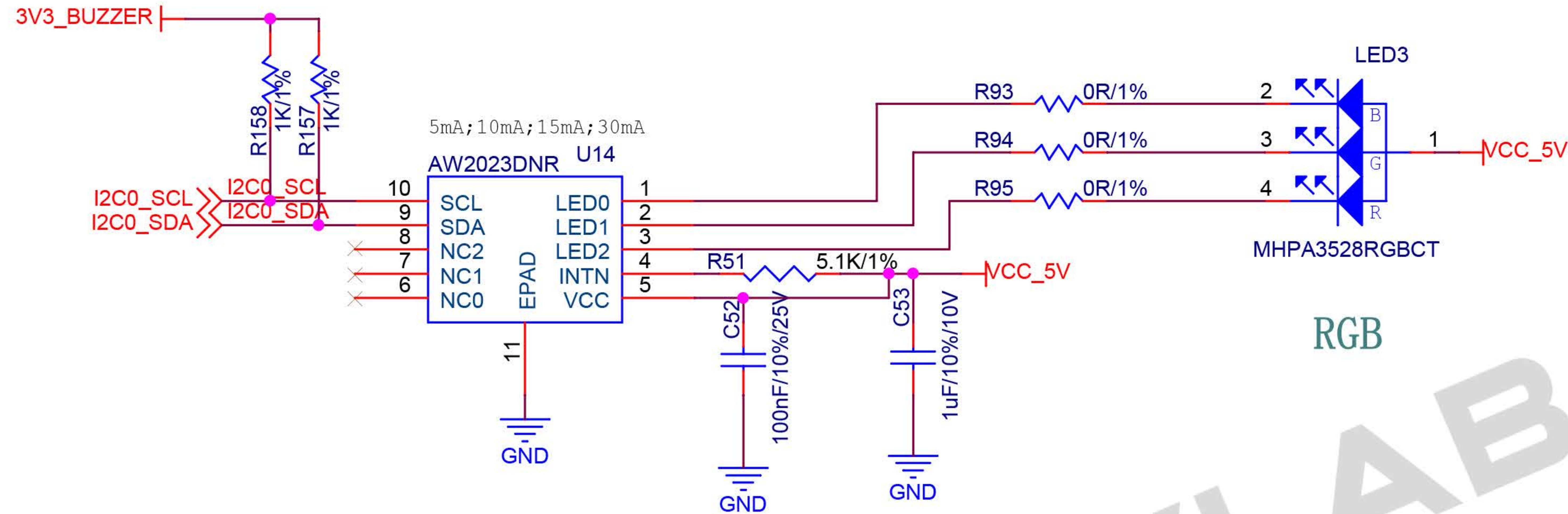
REV: V1.0

Create Date: Tuesday, August 23, 2022

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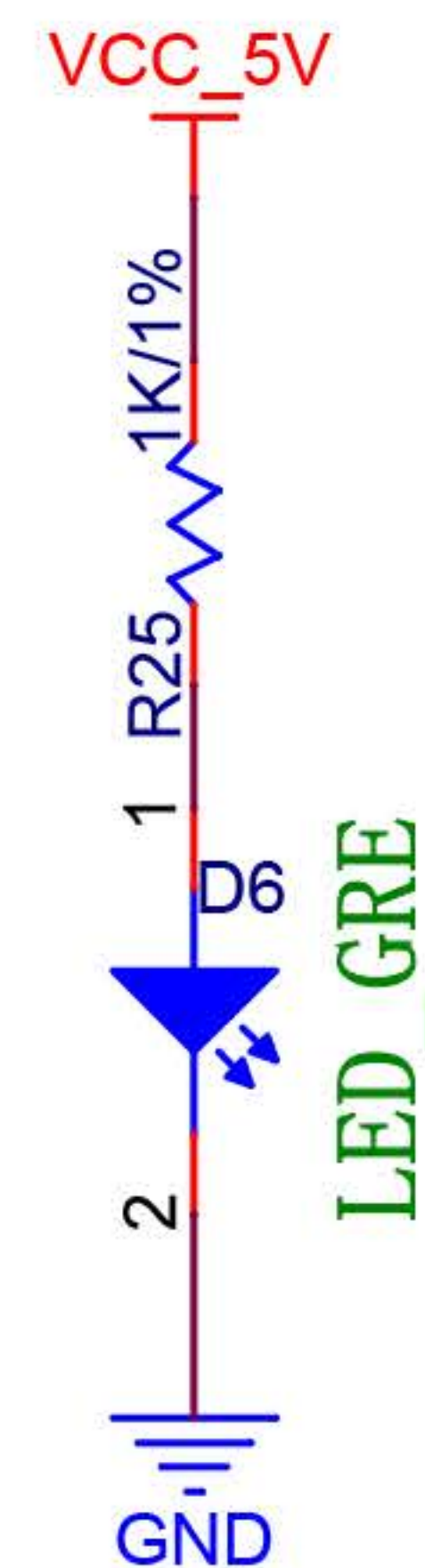
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RGB

POWER

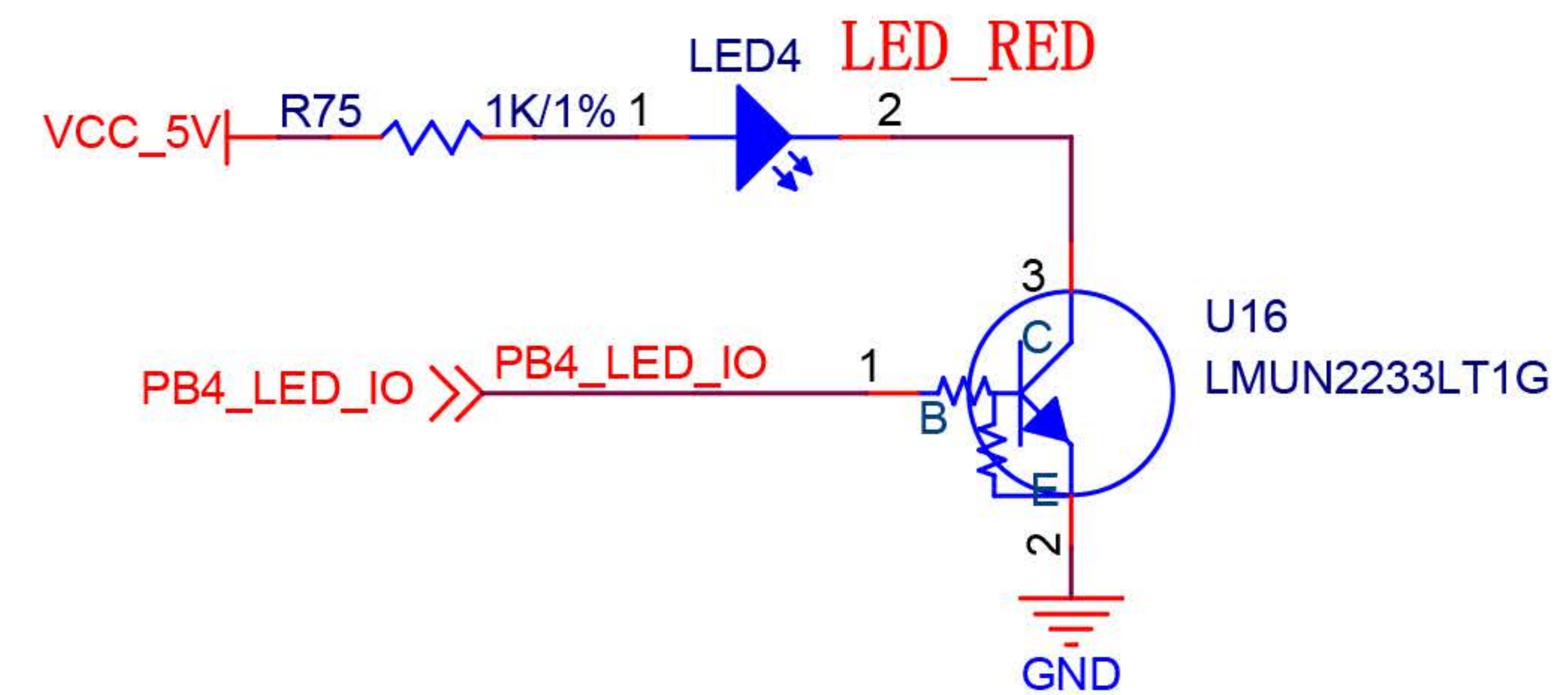


网口数据灯

LED_BULE



MCU 运行灯



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Title: 09-LED

File: GD32_BASE

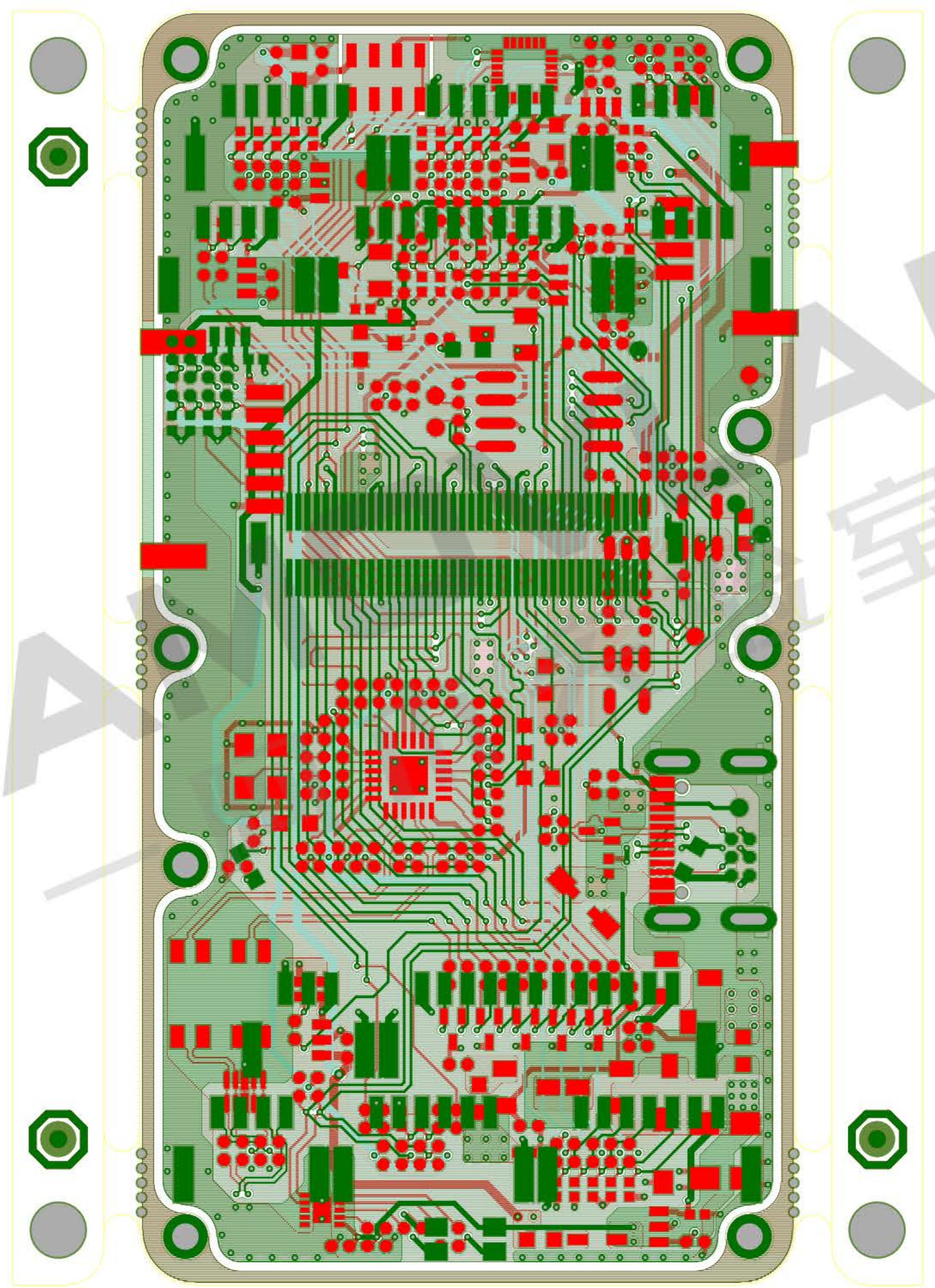
REV: V1.0

Create Date: Wednesday, August 24, 2022

Page Num: 10

Modify Date: Monday, March 06, 2023

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AB
宝一