

12345678

POWER

File: POWER.kicad_sch

DAPLINK

File: DAPLINK.kicad_sch

USB

File: USB.kicad_sch

MOTOR & CAN

File: MOTOR & CAN.kicad_sch

MCU_PWR

File: MCU_PWR.kicad_sch

CAMERA & DISPLAY

File: CAMERA & DISPLAY.kicad_sch

MEMORY

File: MEMORY.kicad_sch

EXT INTERFACE

File: EXT INTERFACE.kicad_sch

MCU_PORTS

File: MCU_PORTS.kicad_sch

GIG ENET0

File: GIG ENET0.kicad_sch

IMU & MAG

File: IMU & MAG.kicad_sch

OB_DEVICE

File: OB_DEVICE.kicad_sch


GIG ENET1

File: GIG ENET1.kicad_sch

WIFI & SDCARD

File: WIFI & SDCARD.kicad_sch

Titan Board



Author: MikeZhang
<https://www.rt-thread.org/>

Sheet: /
File: TITAN_KICAD.kicad_sch

Title: POWER

Size: A3Date: 2025-10-14Rev: HW:V1.1

KiCad E.D.A. 9.0.0Id: 1/15

A

B

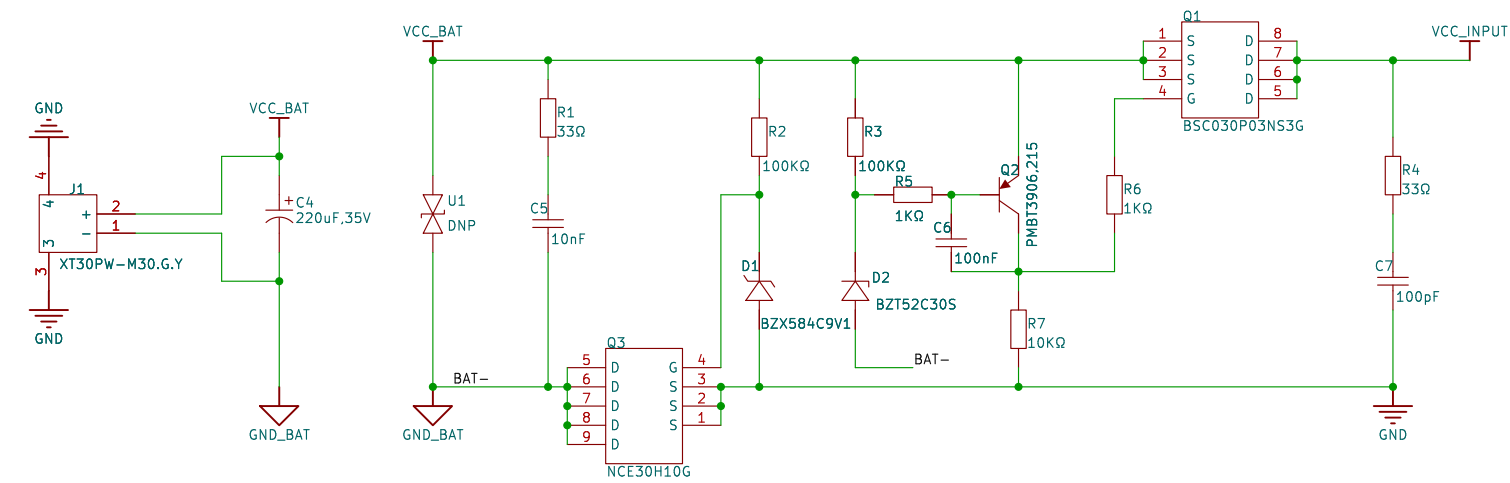
C

D

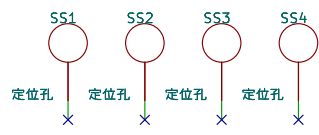
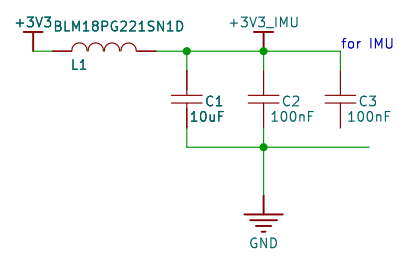
E

F

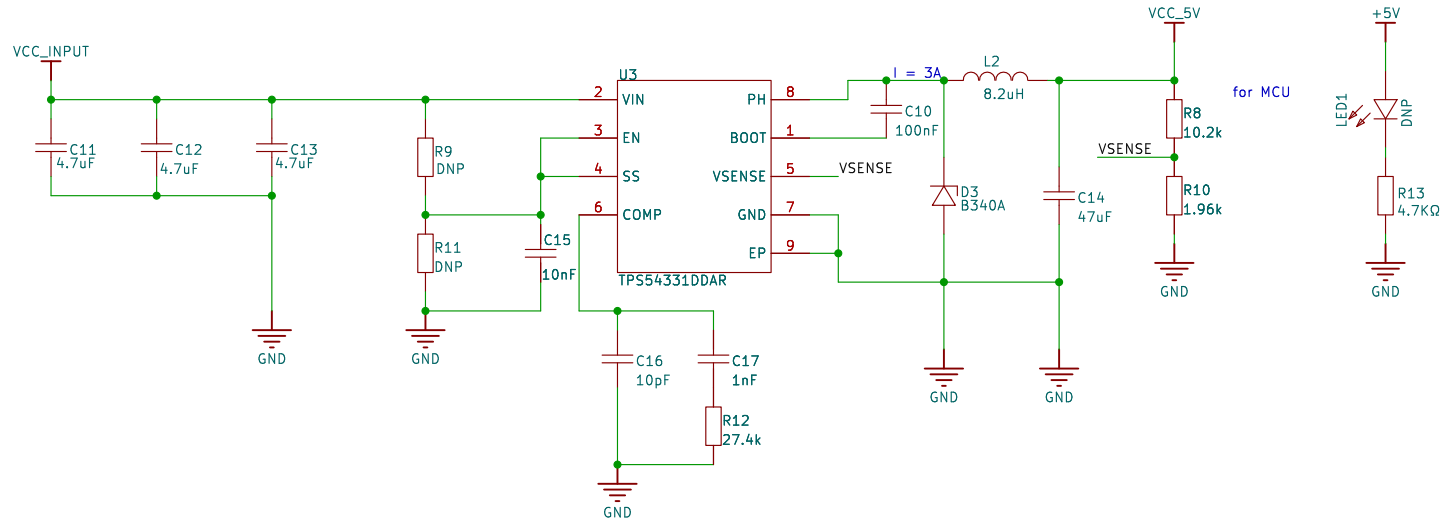
防反接, 缓启动



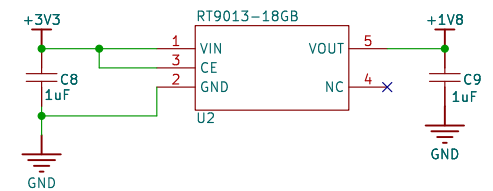
3.3V_IMU



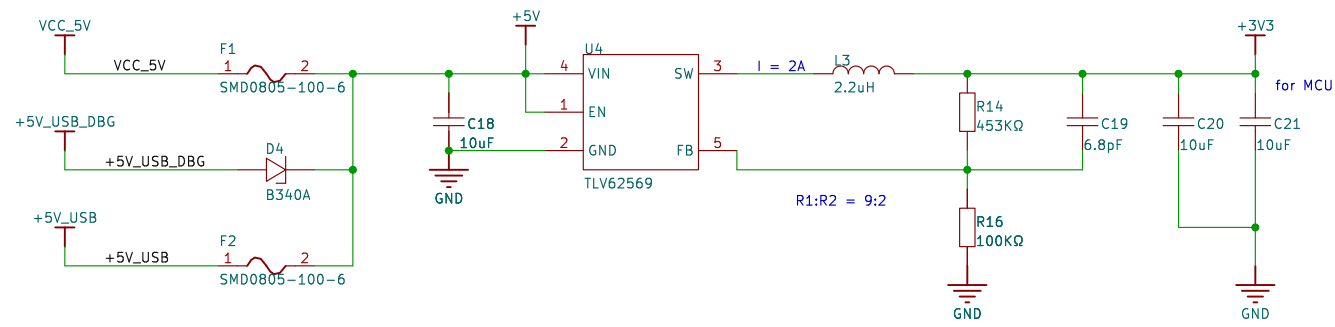
9~24V → 5V



3.3V → 1.8V



5V → 3.3V

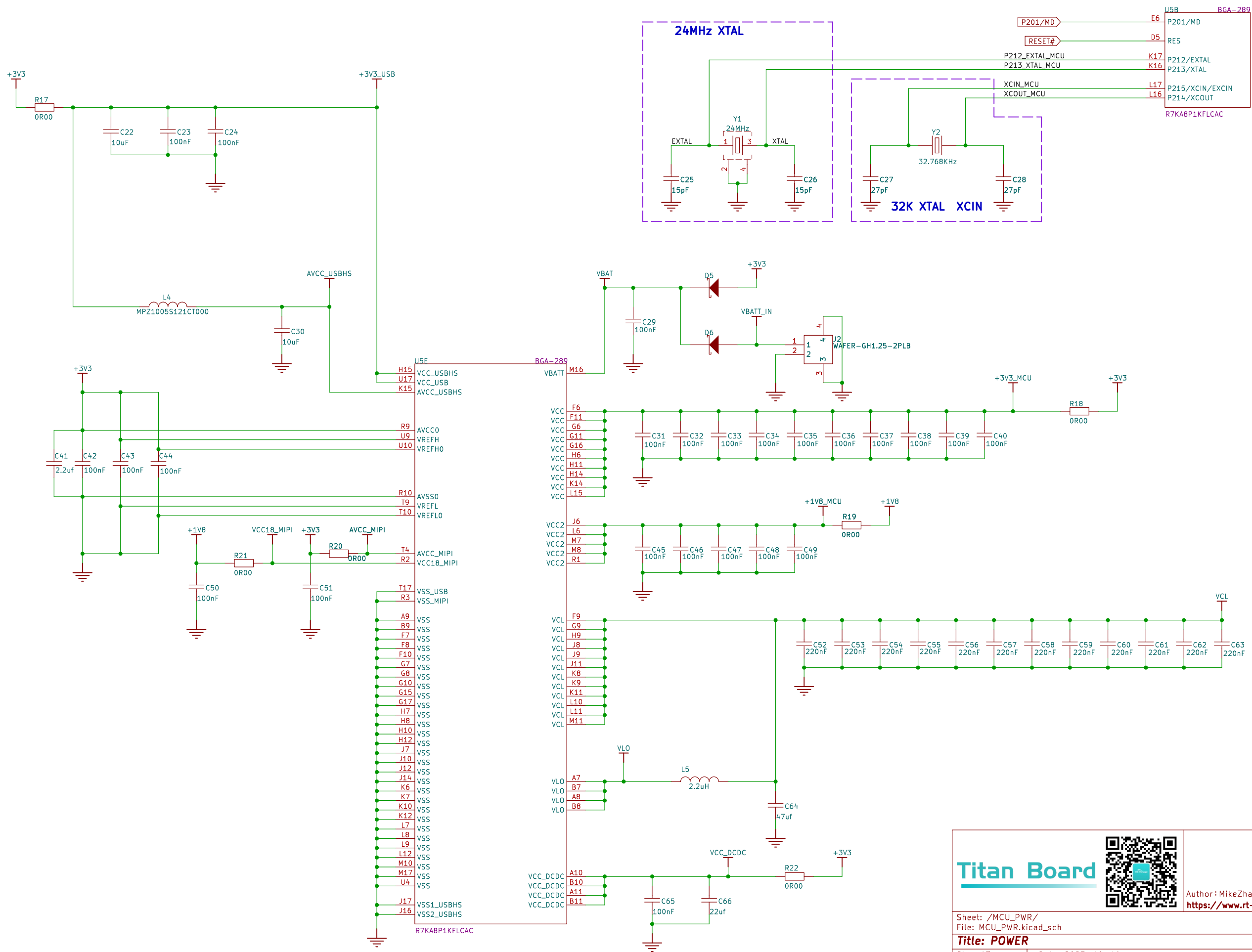




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Sheet: /POWER/ File: POWER.kicad_sch		
Title: POWER		
Size: A3	Date: 2025-10-14	Rev: HW:V1.1
KiCad E.D.A. 9.0.0		Id: 2/15

RA8P1 Microcontroller

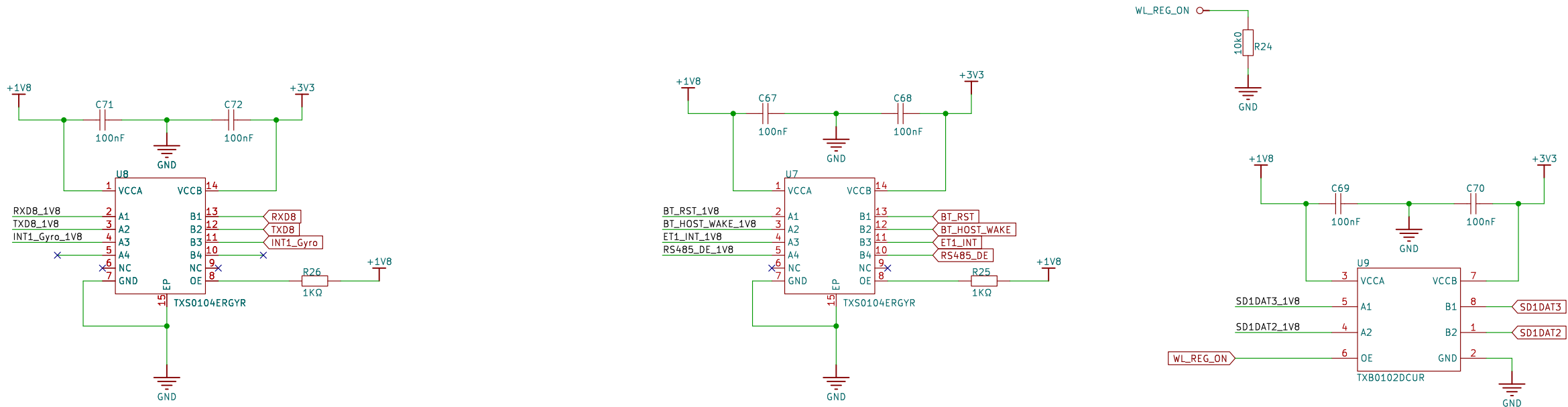


Titan Board

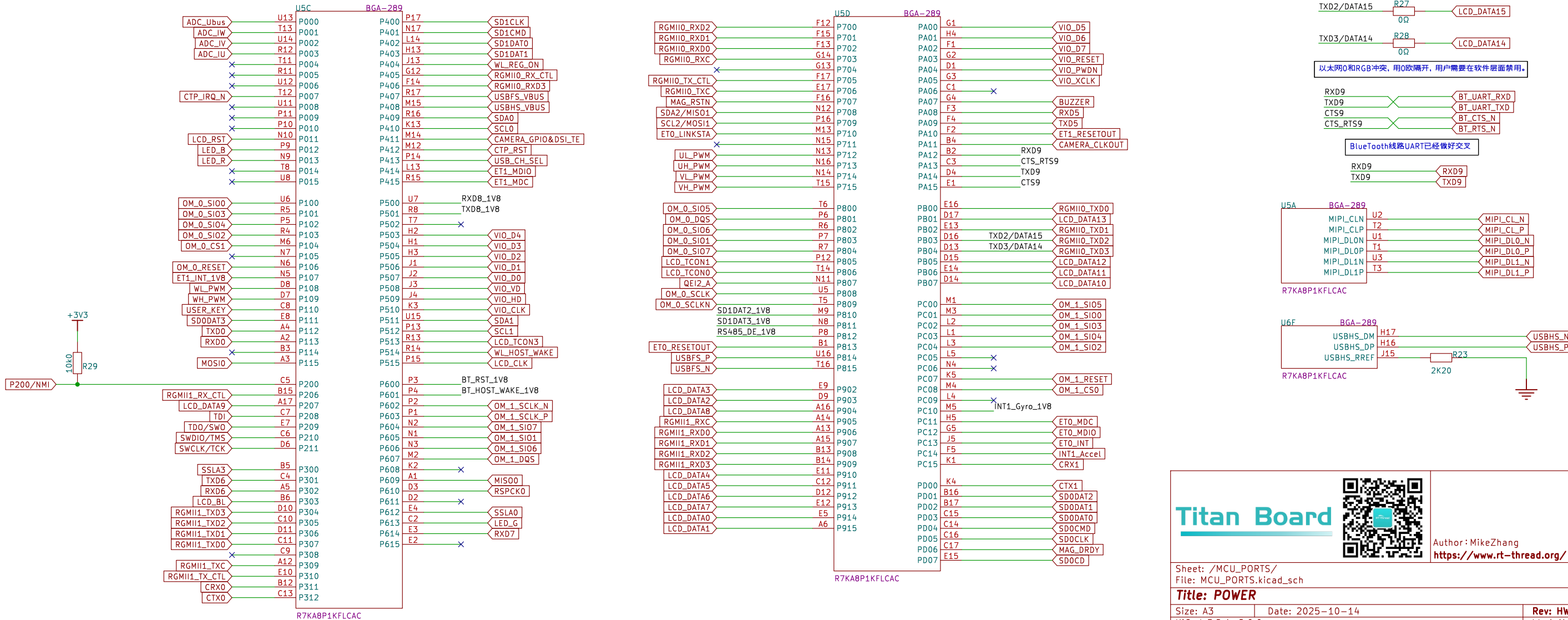


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电平转换1.8V→3.3V



RA8P1 Microcontroller



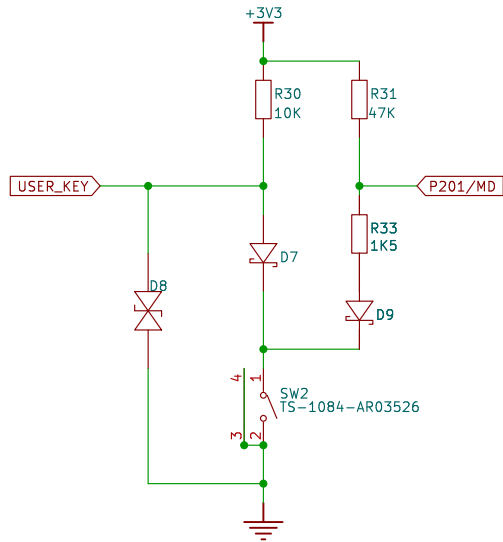
Titan Board



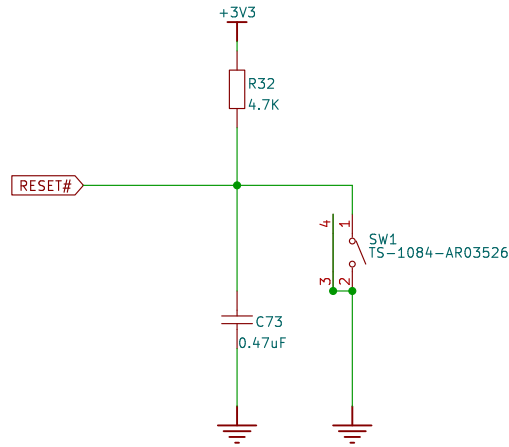
Author: MikeZhang
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Sheet: /MCU_PORTS/ File: MCU_PORTS.kicad_sch		
Title: POWER		
Size: A3	Date: 2025-10-14	Rev: HW:V1.1
KiCad E.D.A. 9.0.0		Id: 4/15

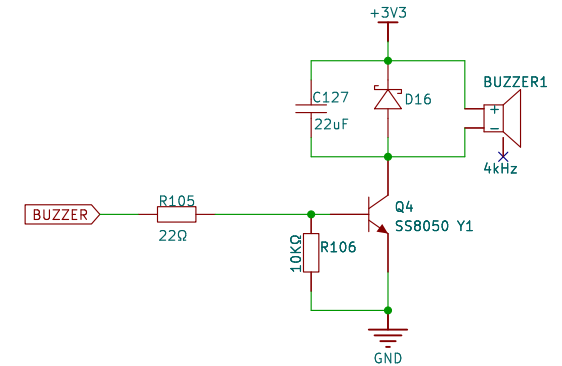
USER/BOOT BUTTON



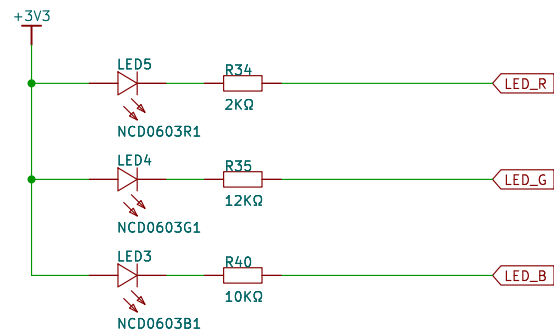
RESET PUSH-BUTTON



BUZZER



USER LEDS



Titan Board



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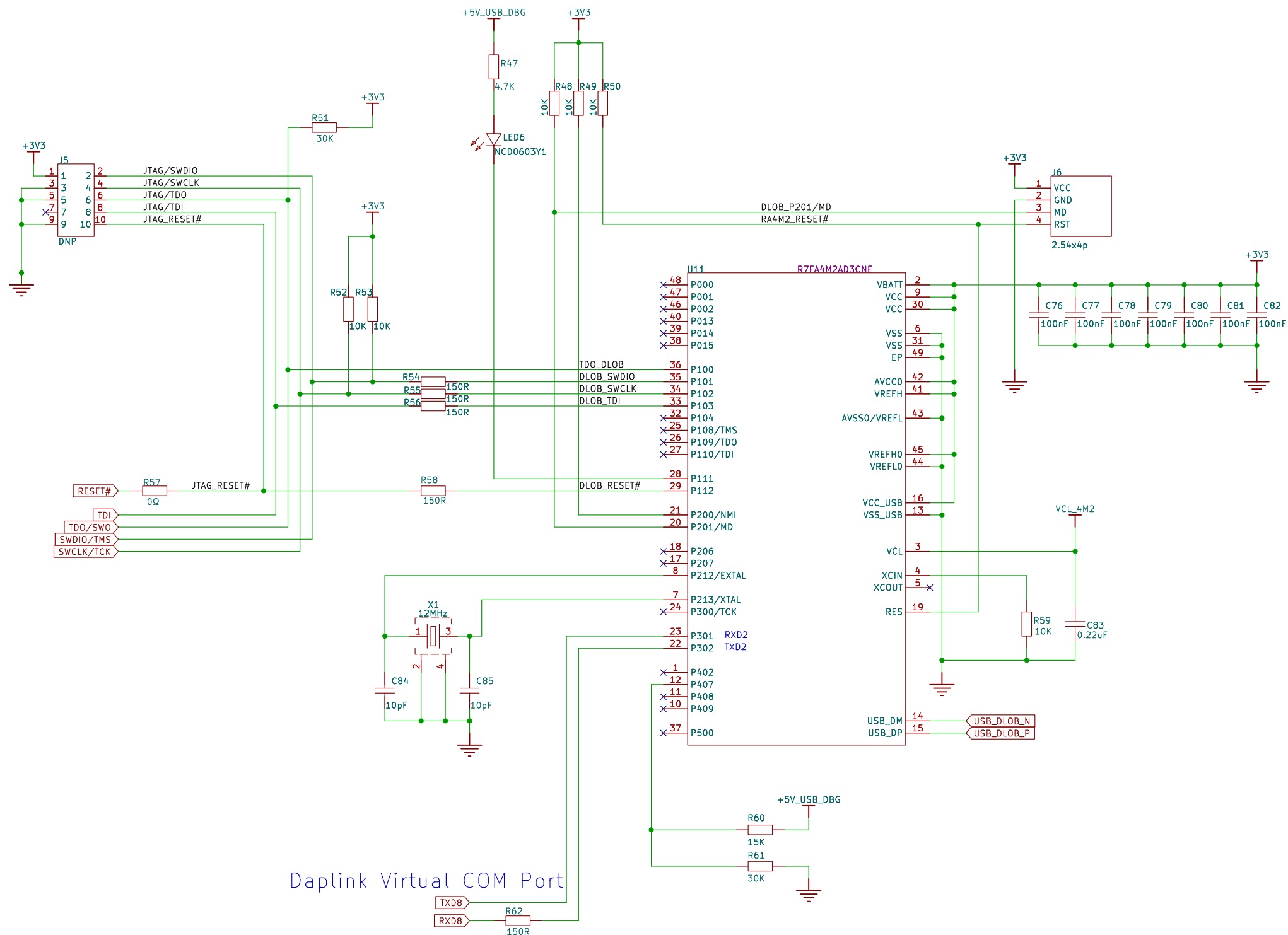
Sheet: /OB_DEVICE/
 File: OB_DEVICE.kicad_sch

Title: POWER

Size: A4 Date: 2025-10-14
 KiCad E.D.A. 9.0.0

Rev: HW:V1.1
 Id: 5/15

DAPLINK



Daplink Virtual COM Port

Titan Board



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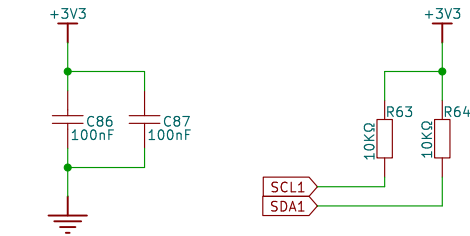
Sheet: /DAPLINK/
File: DAPLINK.kicad_sch

Title: POWER

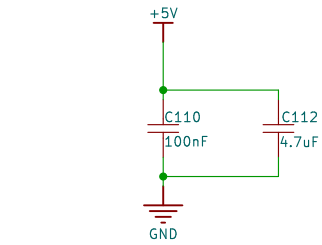
Size: A3 Date: 2025-10-14
KiCad E.D.A. 9.0.0

Rev: HW:V1.1
Id: 6/15

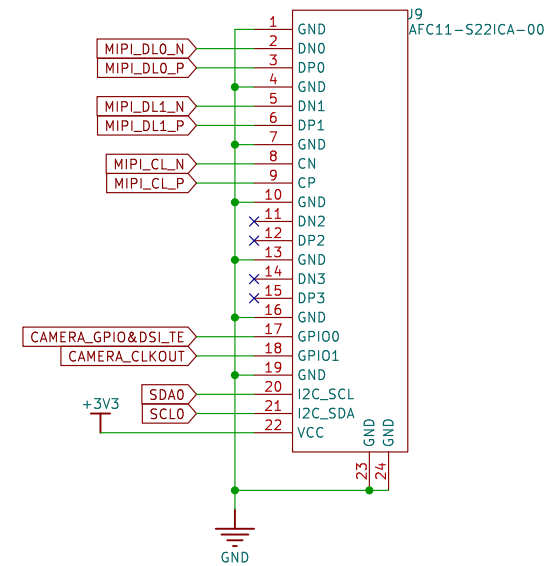
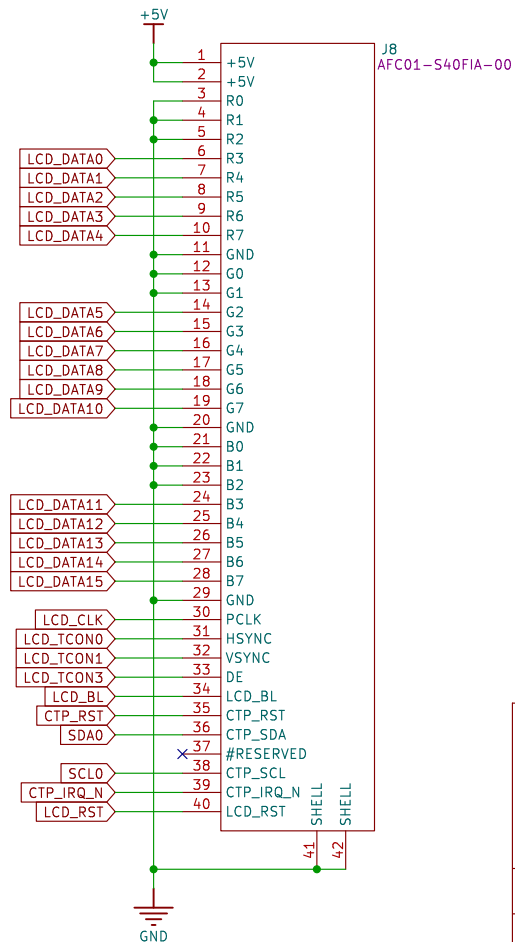
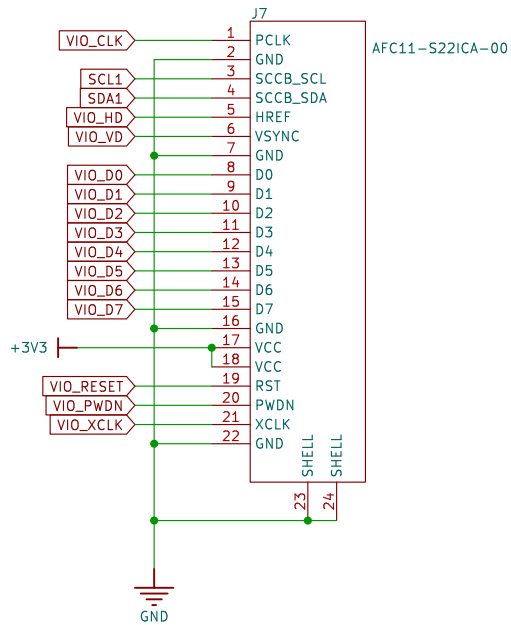
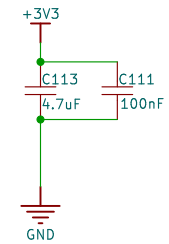
CEU



RGB565



MIPI DSI/CSI



Titan Board



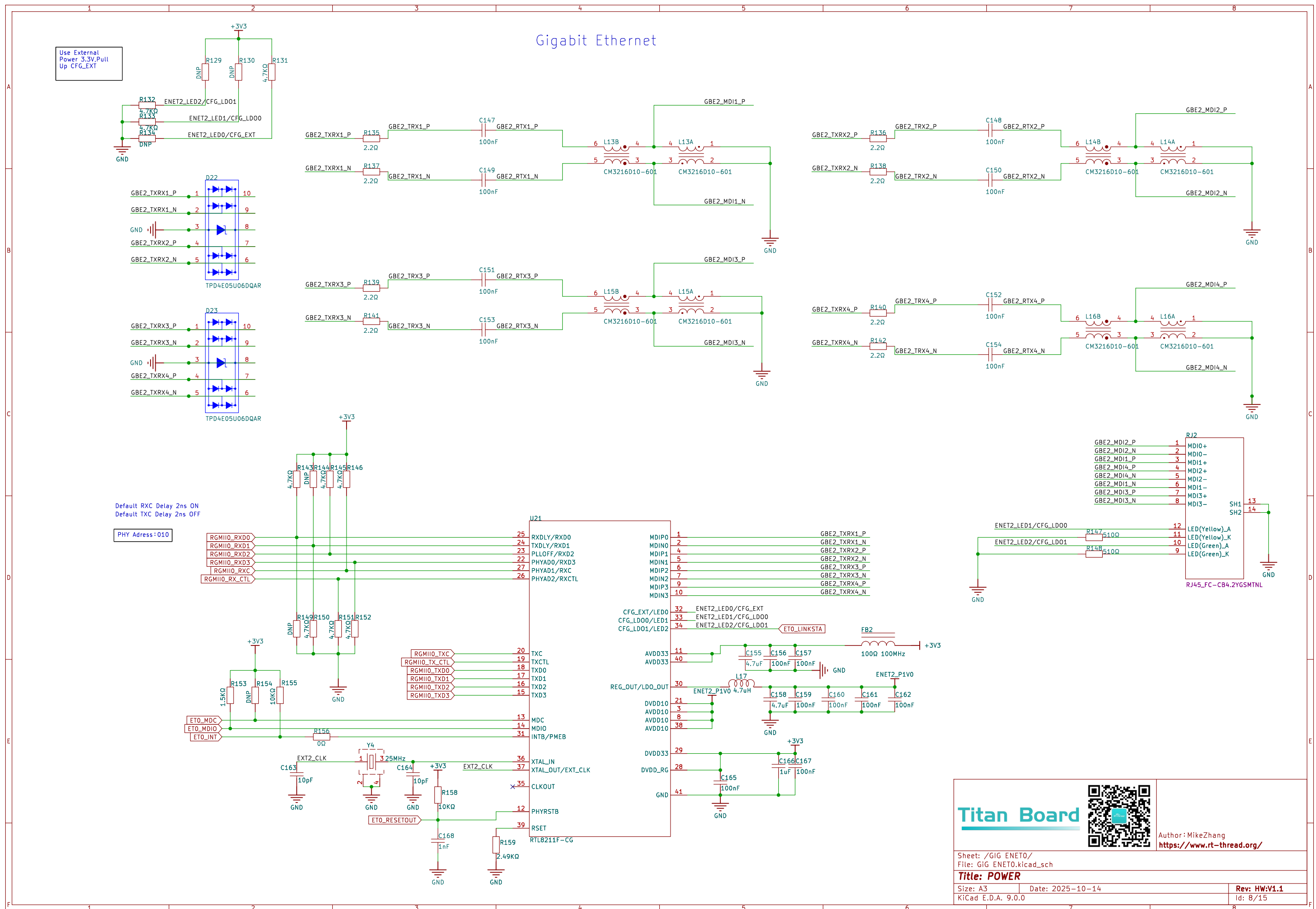
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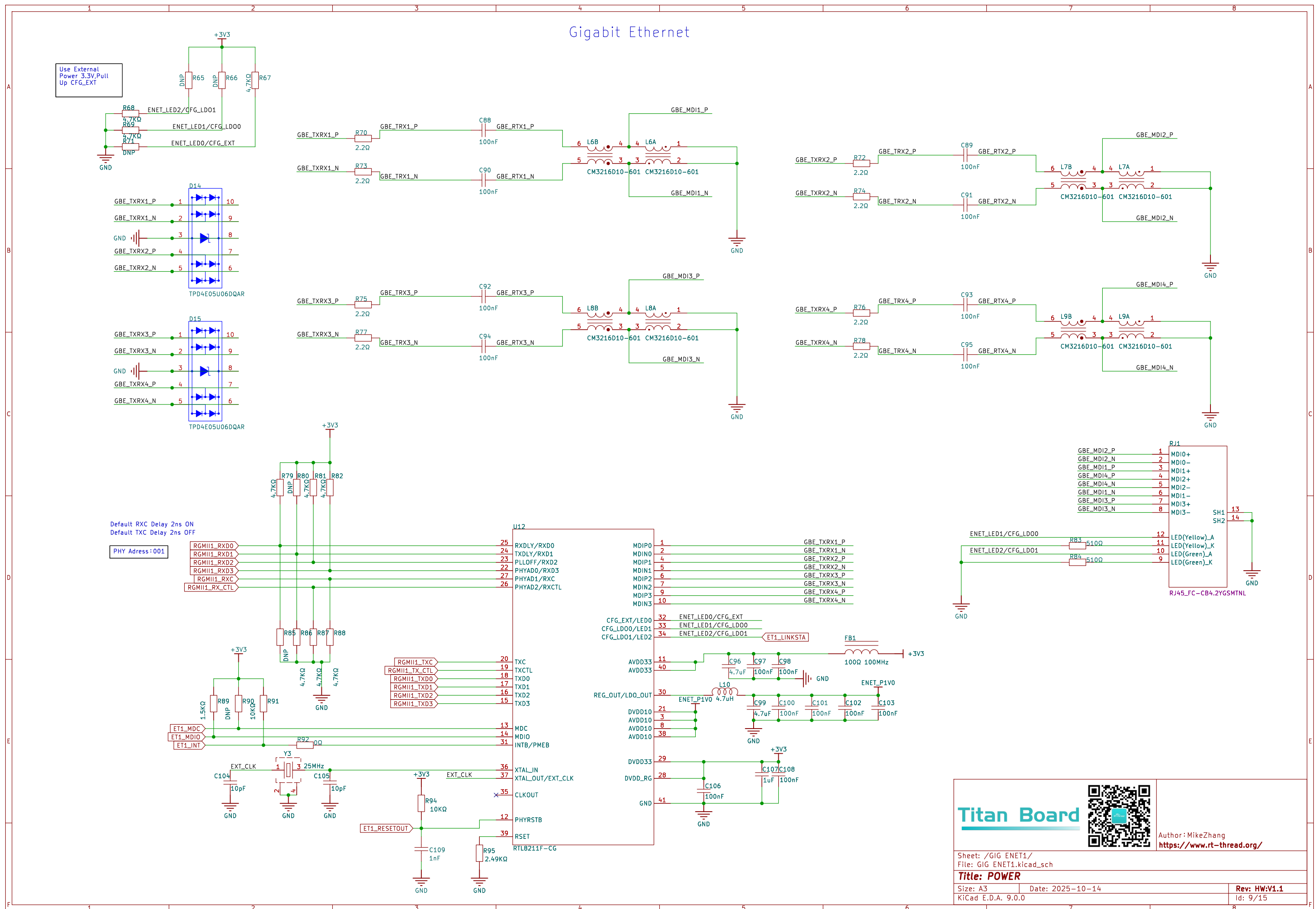
Sheet: /CAMERA & DISPLAY/
File: CAMERA & DISPLAY.kicad_sch

Title: POWER

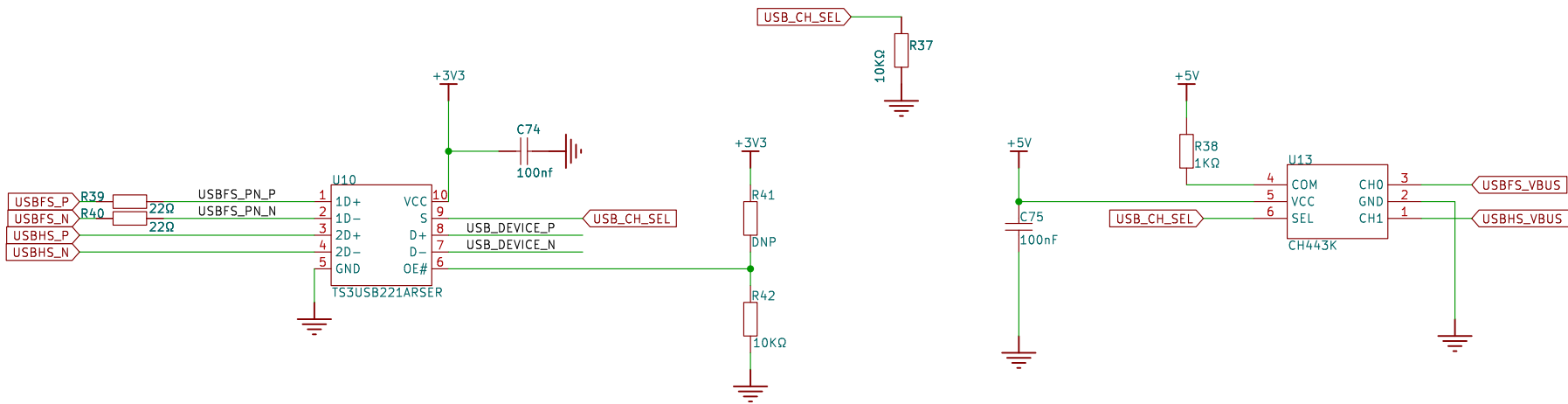
Size: A4 Date: 2025-10-14
KiCad E.D.A. 9.0.0

Rev: HW:V1.1
Id: 7/15

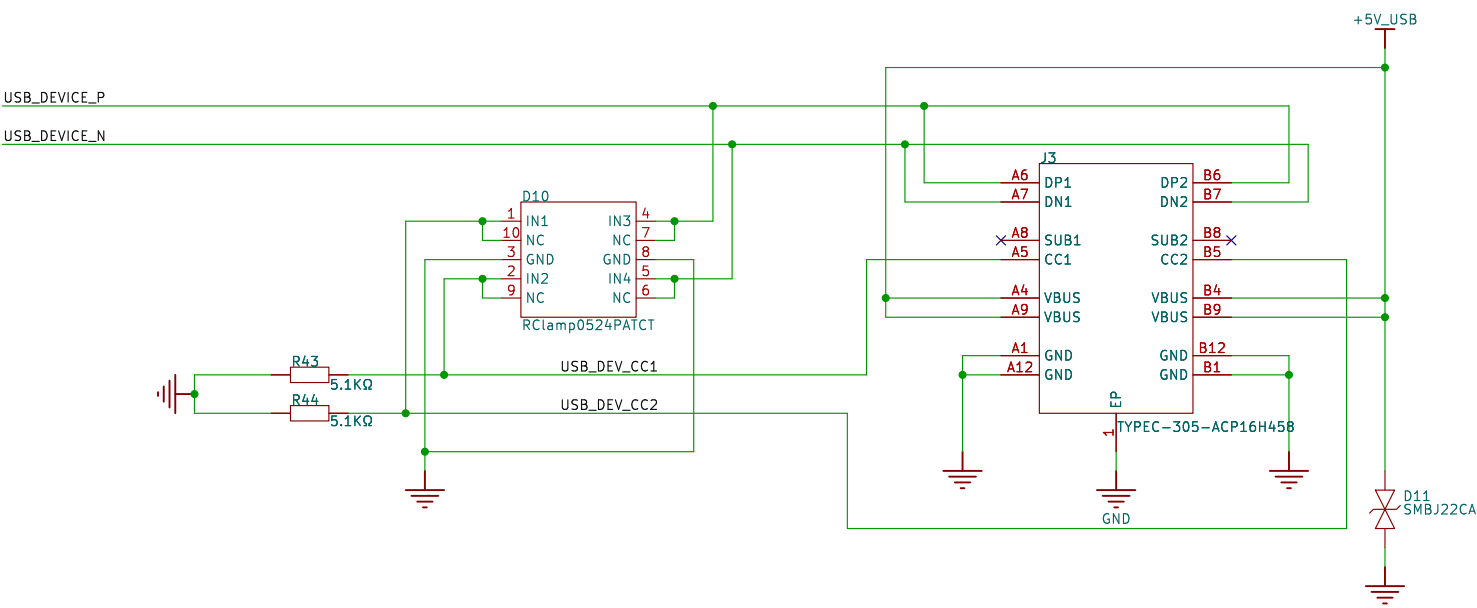




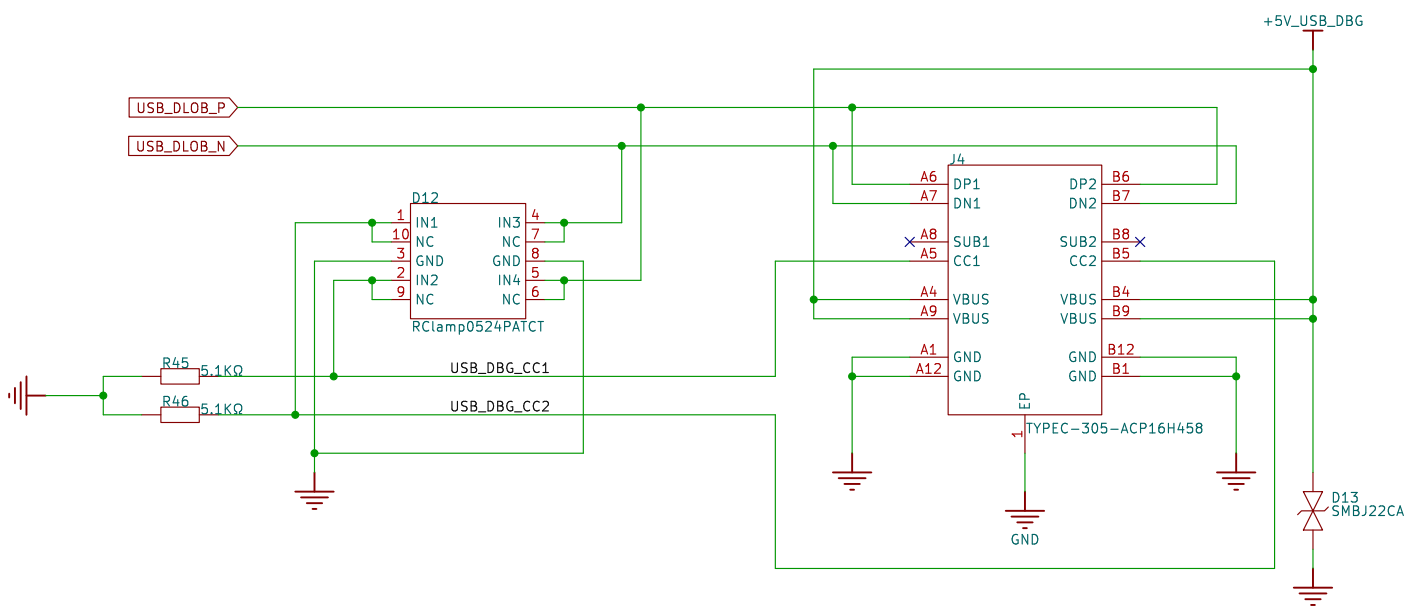
HS/FS SWITCH



USB DEVICE HS/FS



USB_DEBUG



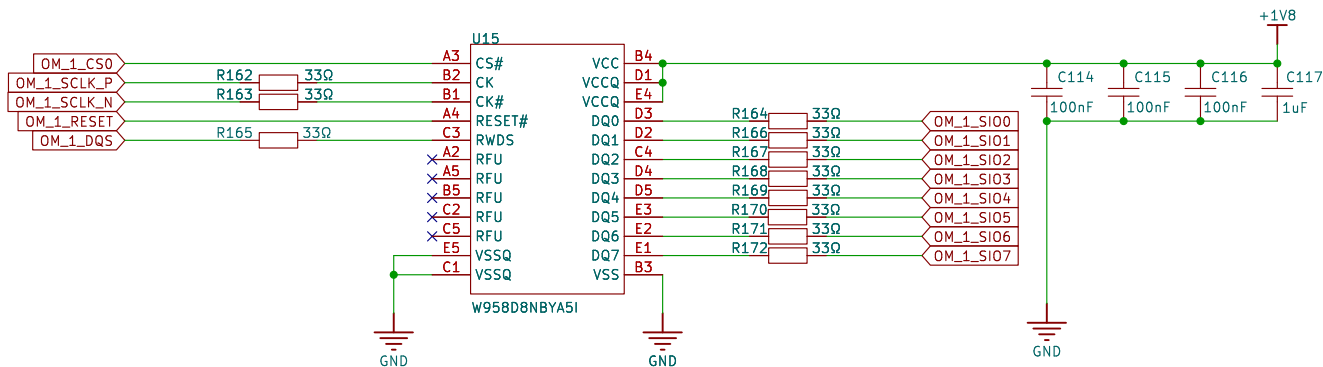
Titan Board



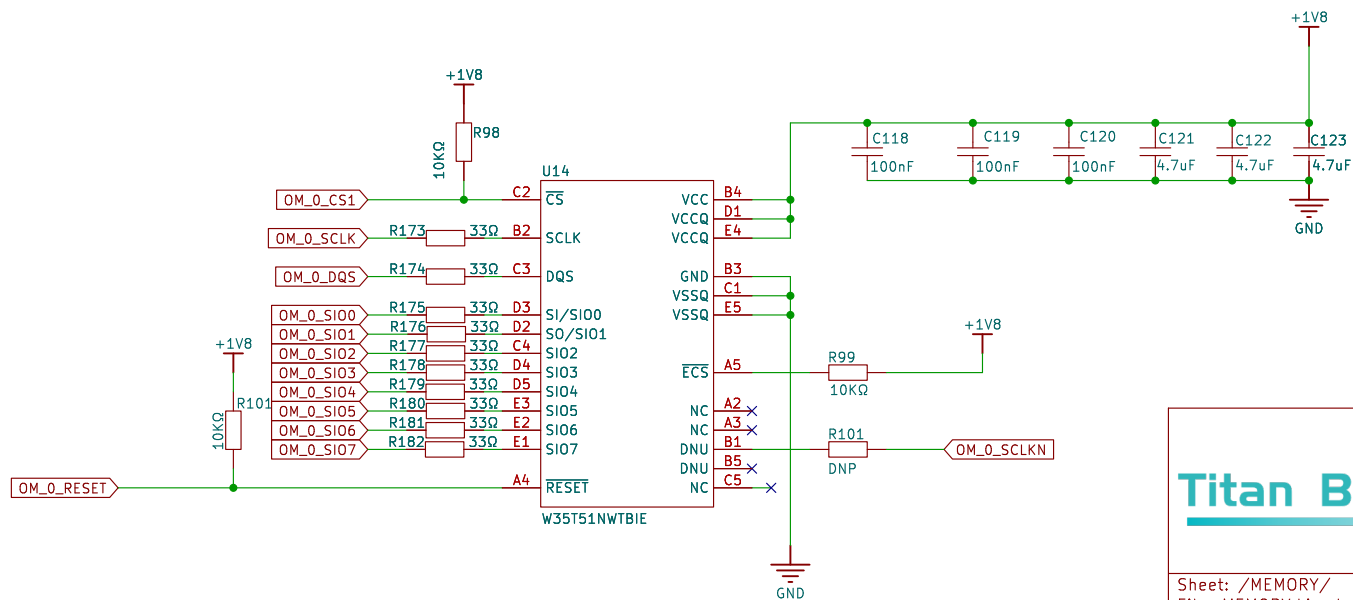
Author: MikeZhang
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Sheet: /USB/ File: USB.kicad_sch		
Title: POWER		
Size: A3	Date: 2025-10-14	Rev: HW:V1.1
KiCad E.D.A. 9.0.0		Id: 10/15

HYPER RAM



FLASH



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Sheet: /MEMORY/
 File: MEMORY.kicad_sch

Title: POWER

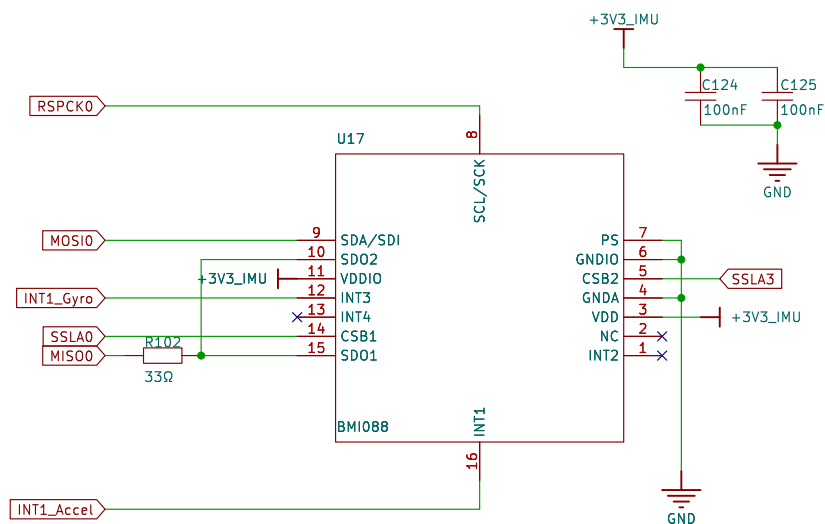
Size: A4 Date: 2025-10-14

KiCad E.D.A. 9.0.0

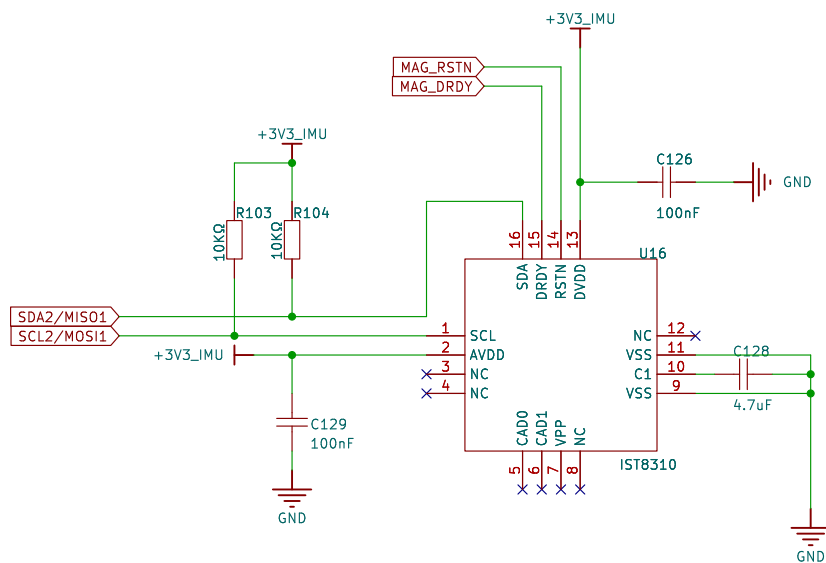
Rev: HW:V1.1

Id: 11/15

IMU



MAG

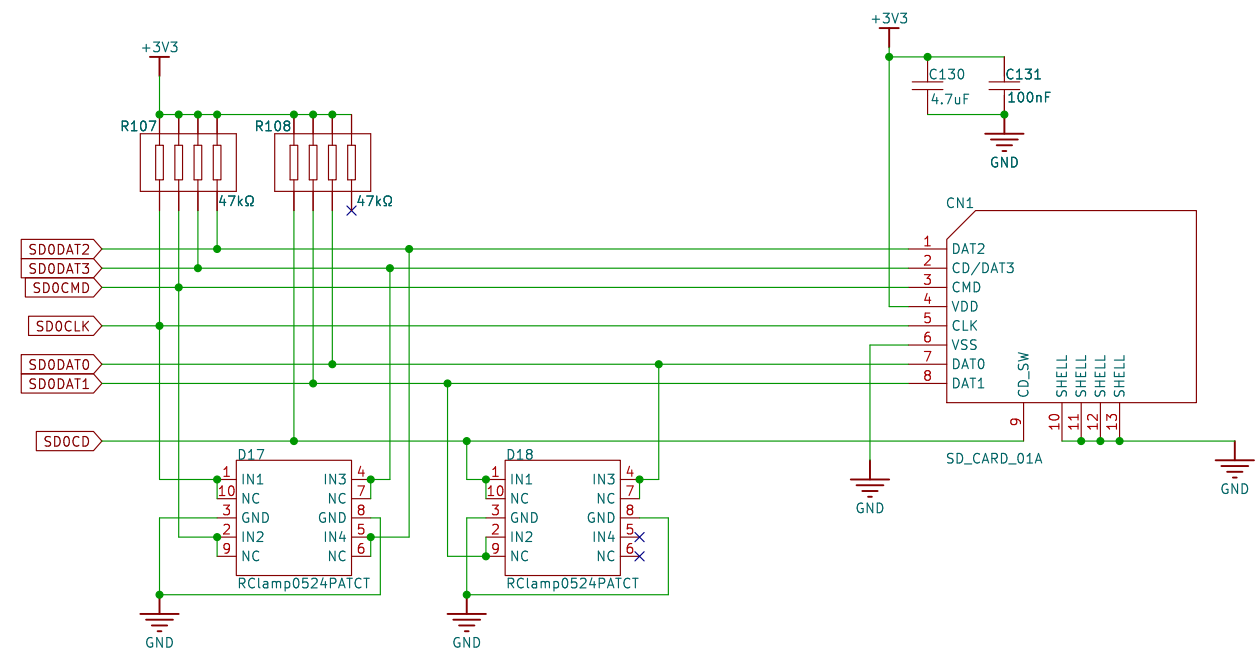




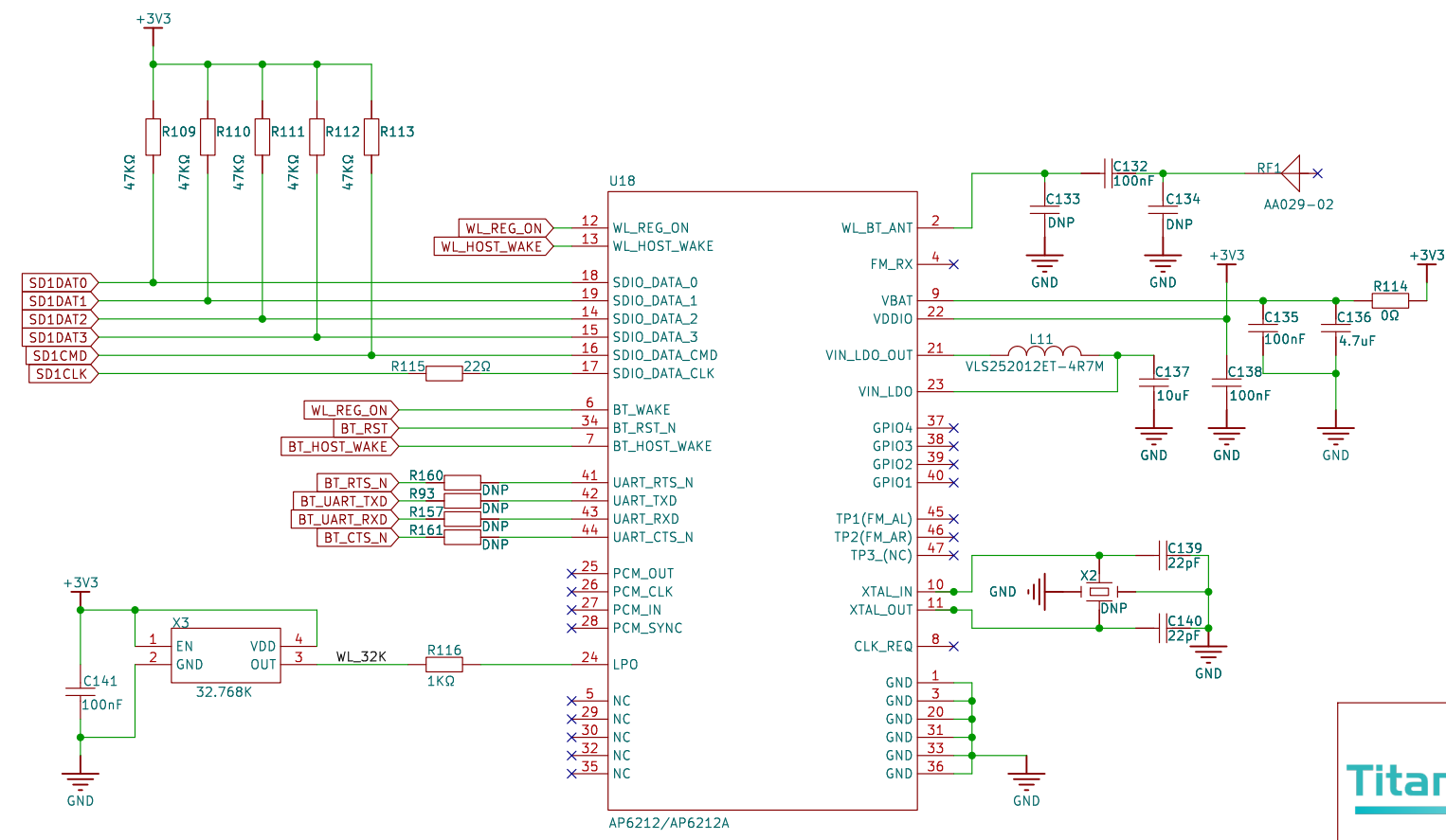

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Sheet: /IMU & MAG/	
File: IMU & MAG.kicad_sch	
Title: POWER	
Size: A4	Date: 2025-10-14
KiCad E.D.A. 9.0.0	Rev: HW:V1.1
	Id: 12/15

SD_CARD



SDIO_WIFI

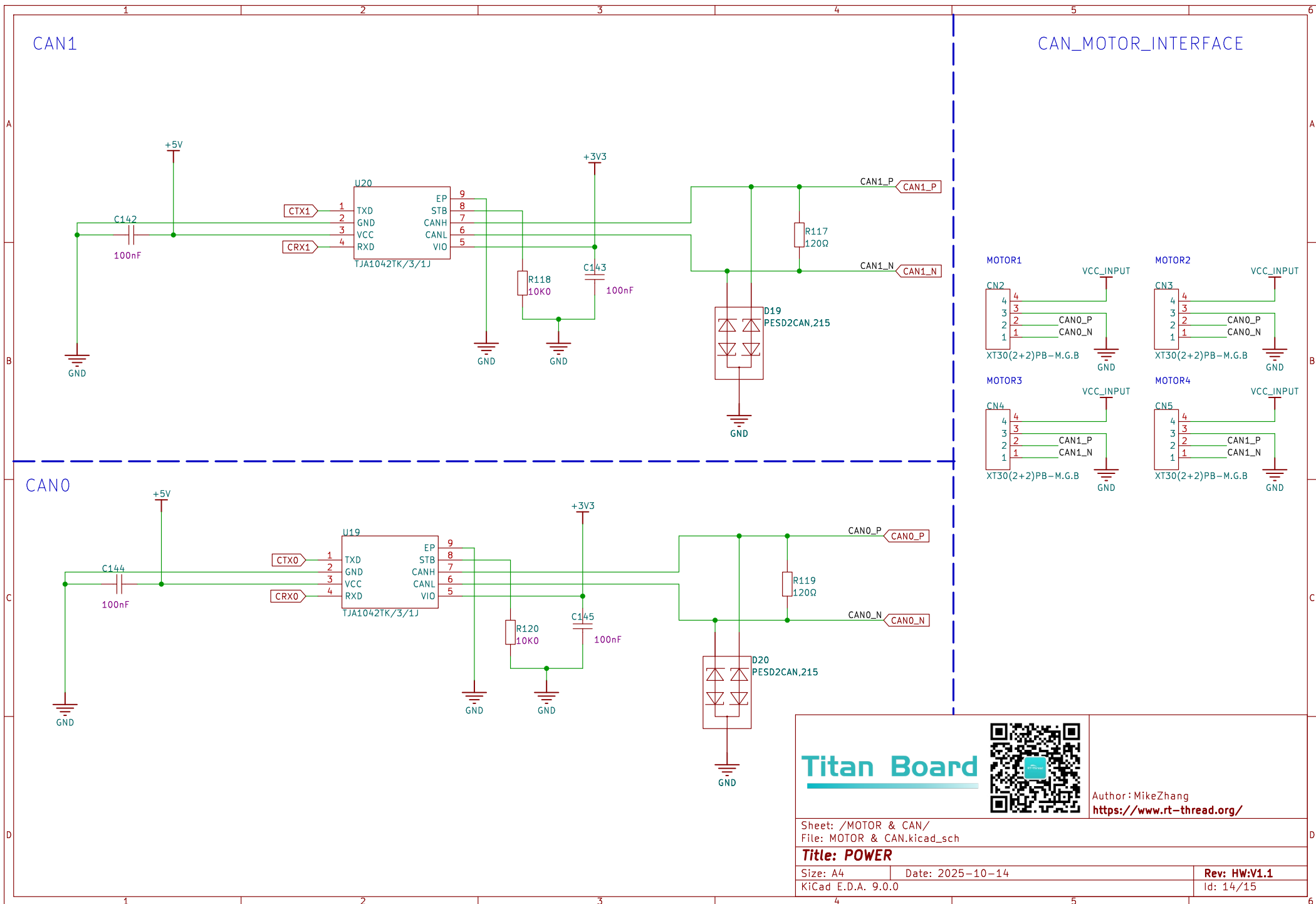


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Sheet: /WIFI & SDCARD/ File: WIFI & SDCARD.kicad_sch		
Title: POWER		
Size: A3	Date: 2025-10-14	Rev: HW:V1.1
KiCad E.D.A. 9.0.0		Id: 13/15



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Sheet: /MOTOR & CAN/
File: MOTOR & CAN.kicad_sch

Title: POWER

Size: A4 Date: 2025-10-14
KiCad E.D.A. 9.0.0

Rev: HW:V1.1
Id: 14/15

