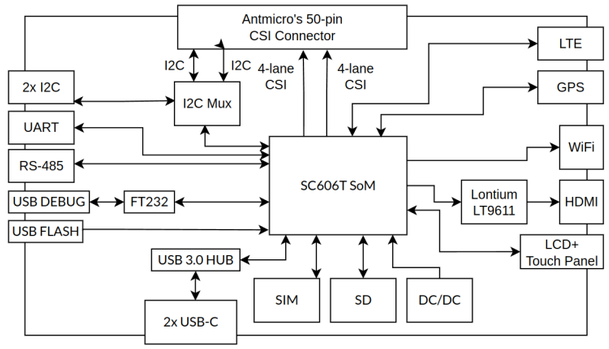
SC606T Baseboard



MP1
PCB_Spacer_M2
9774030243R
Wurth Elektronik

MP3
PCB_Spacer_M2
9774030243R
Wurth Elektronik

Logo N1
antmicro_logo

Logo N2
oshw_logo

SoM

File: som.kicad_sch

power supply

File: power_supply.kicad_sch

display module

File: display_module.kicad_sch

serial_and_cameras_interfaces

File: serial_and_cameras_interfaces.kicad_sch

USB_flash_debug

File: USB_flash_debug.kicad_sch

USB_HUB_Connectors

File: USB_HUB_Connectors.kicad_sch

peripherals

File: peripherals.kicad_sch

USB-PD

File: USB-PD.kicad_sch

MP2
PCB_Spacer_M2
9774030243R
Wurth Elektronik

MP4
PCB_Spacer_M2
9774030243R
Wurth Elektronik

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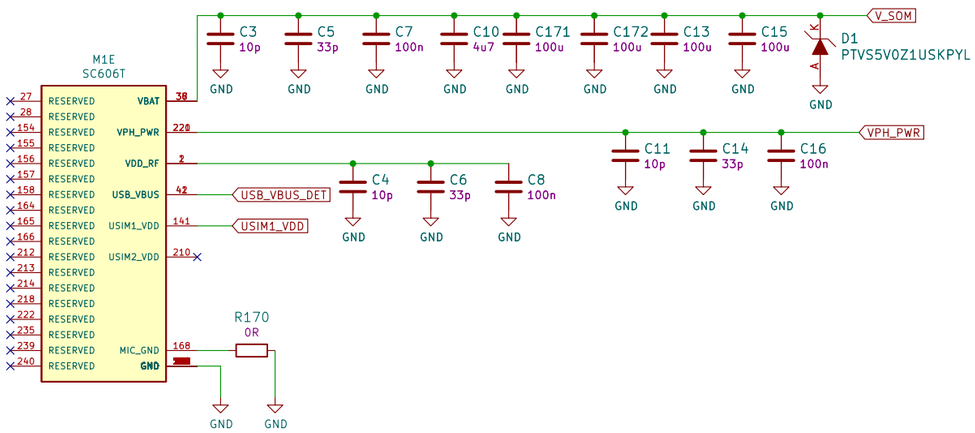
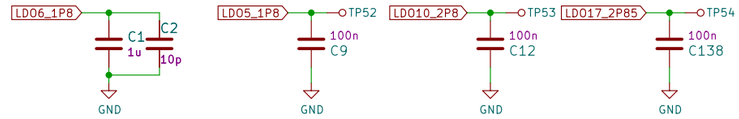
Sheet: /
File: sc606-baseboard.kicad_sch

Title: Snapdragon 625 Baseboard

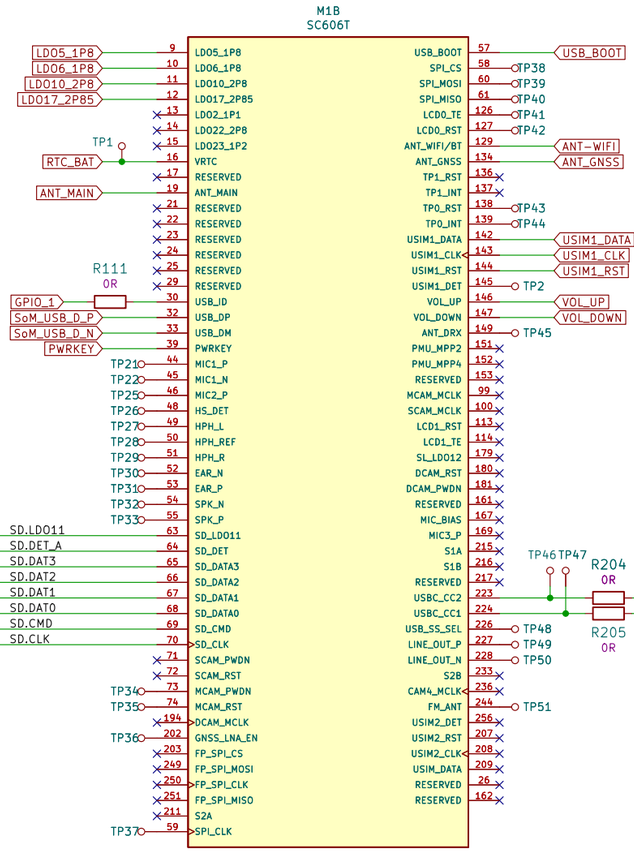
Size: A3	Date: 2022-05-10	**Rev: 1.0.1**
KiCad E.D.A.	eeschema 6.0.11-2627ca5db0-126-ubuntu22.04.1	Id: 1/9

Power

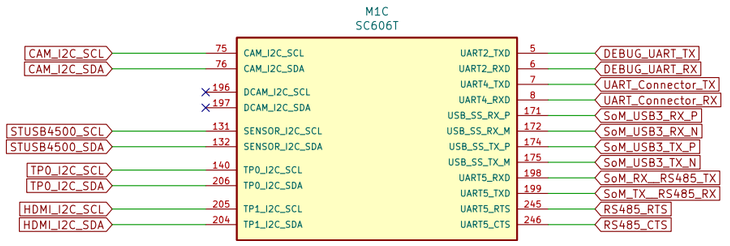




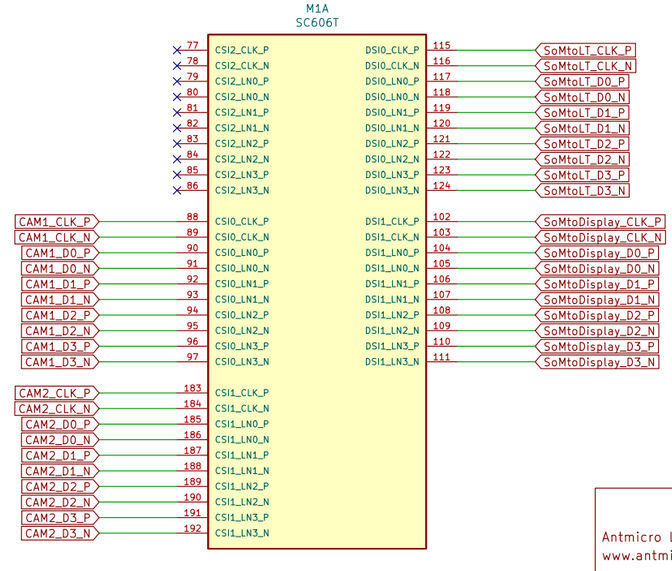
MISC



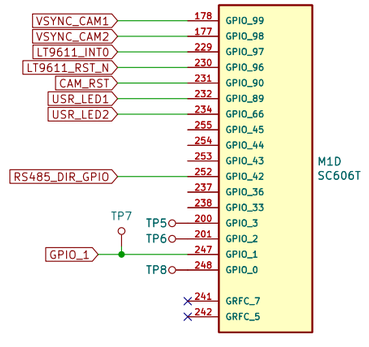
I2C, USB SS, UART



CSI, DSI



GPIO



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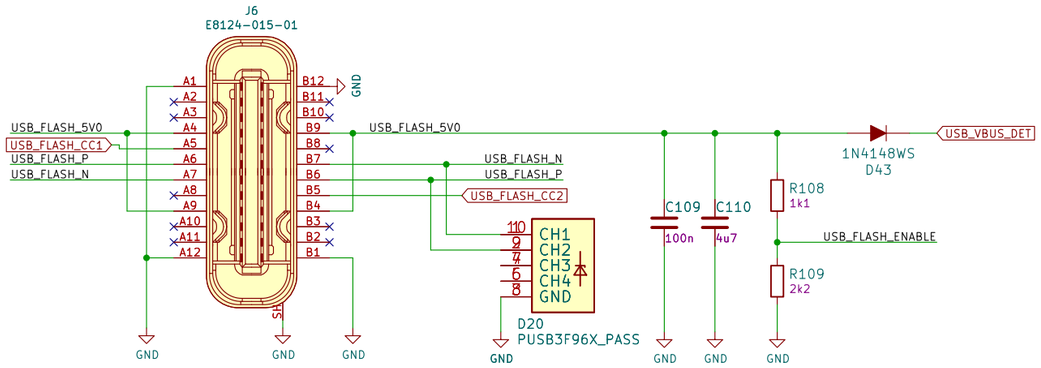
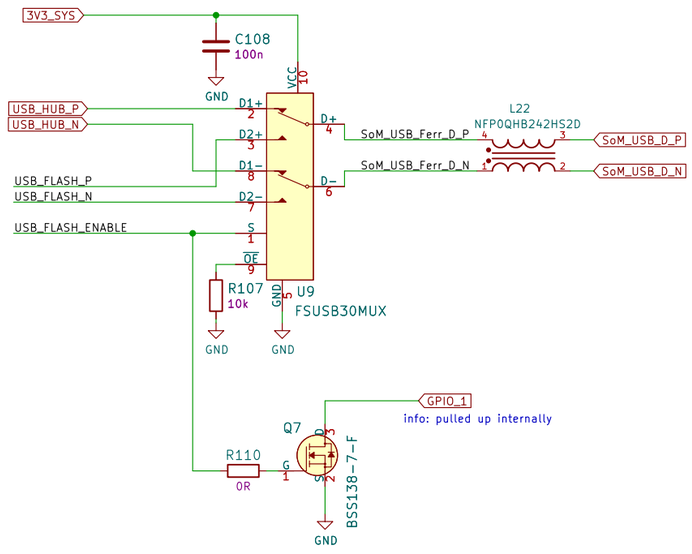
Sheet: /SoM/
File: som.kicad_sch

Title: Snapdragon 625 Baseboard

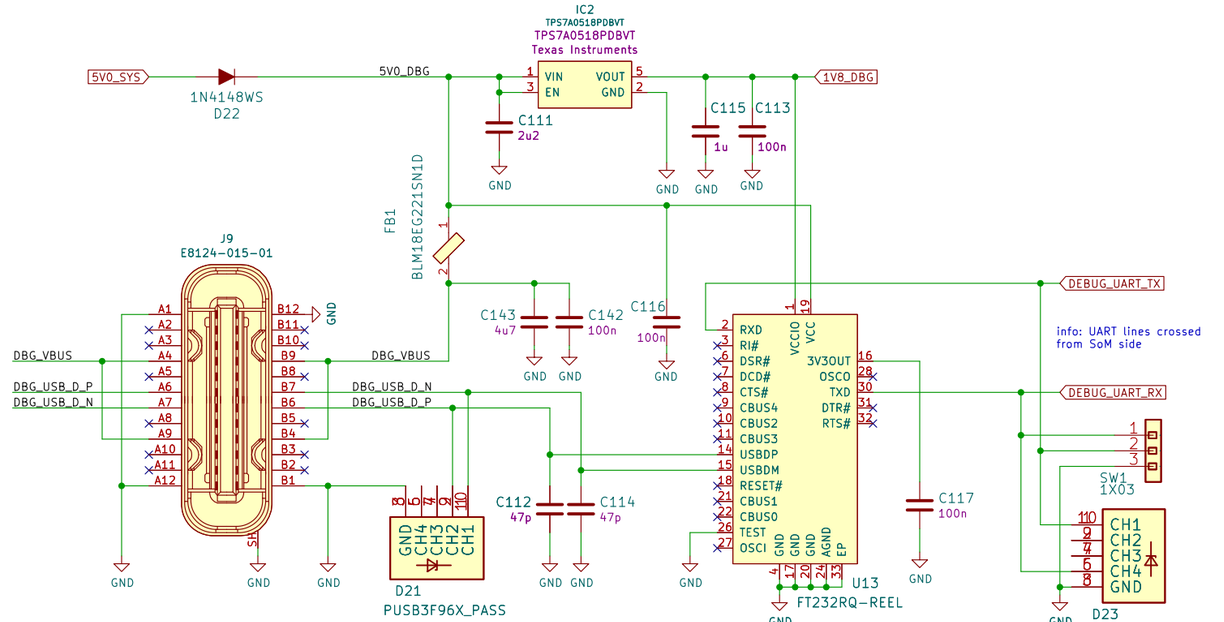
Size: A3	Date: 2022-05-10	**Rev: 1.0.1**
KiCad E.D.A.	eeschema 6.0.11-2627ca5db0-126-ubuntu22.04.1	Id: 2/9

USB SoM flashing IF





Debug UART



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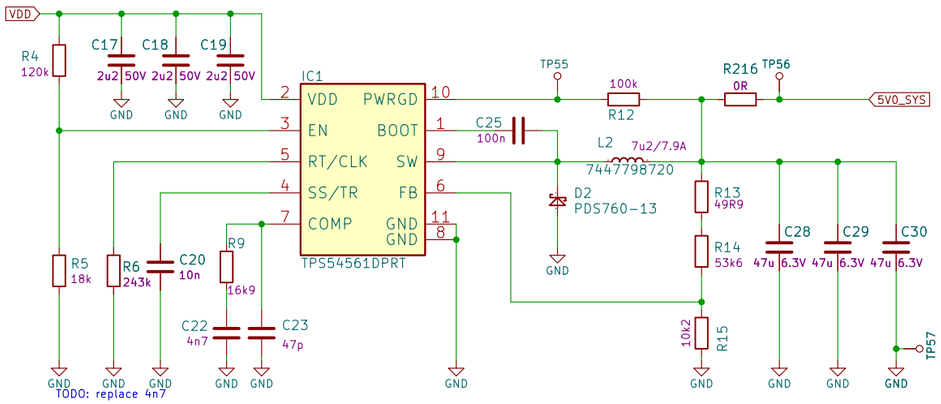
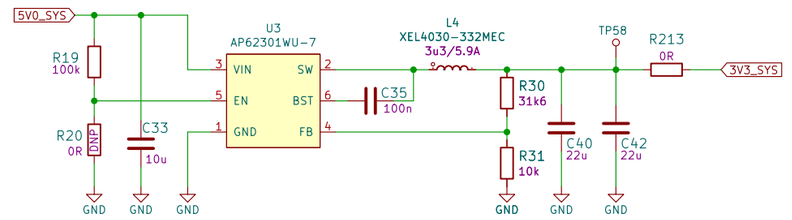
Sheet: /USB_flash_debug/		
File: USB_flash_debug.kicad_sch		
Title: Snapdragon 625 Baseboard		
Size: A3	Date: 2022-05-10	**Rev: 1.0.1**
KiCad E.D.A. eeschema 6.0.11-2627ca5db0-126-ubuntu22.04.1		Id: 3/9

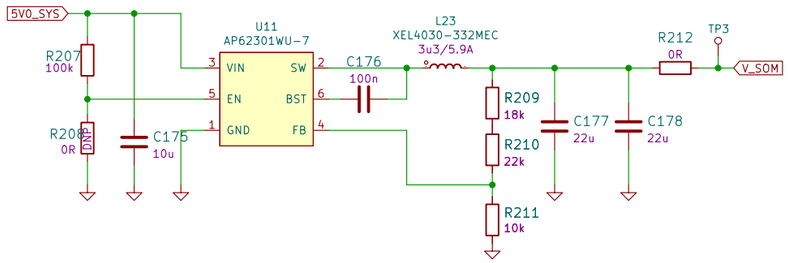
5V Main DC/DC



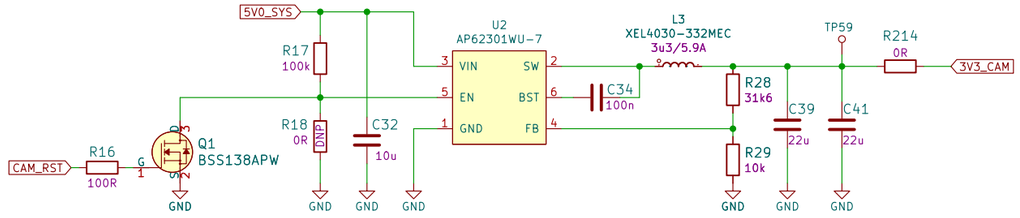
5V to 3V3 DC/DC for system



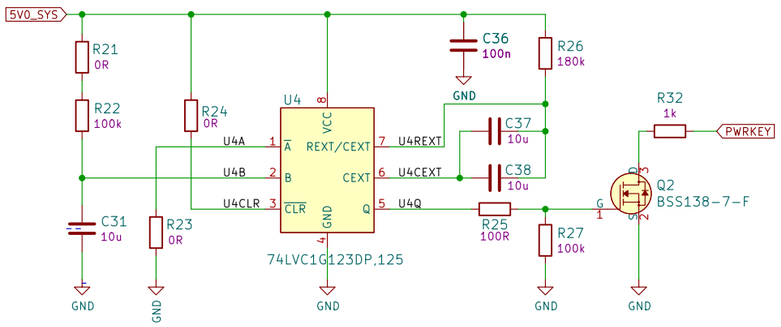
4V step down DC/DC from 5V

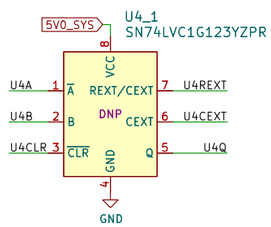


5V to 3V3 DC/DC for camera

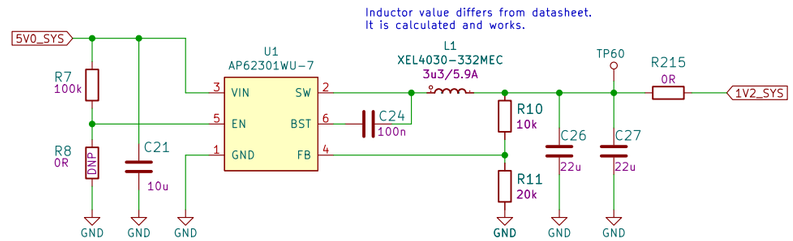


Auto Power-On

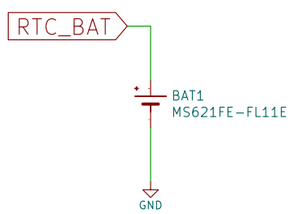




5V to 1V2 for Lontium9611



RTC



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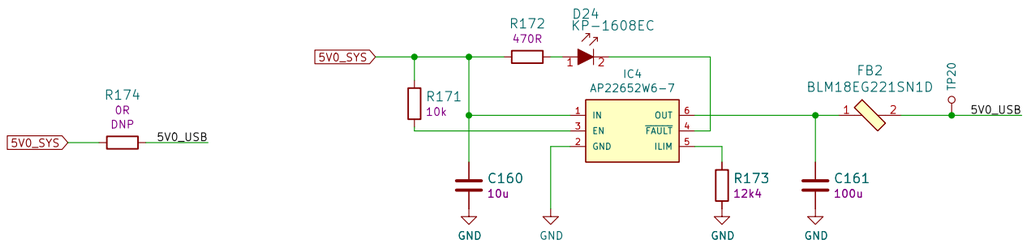
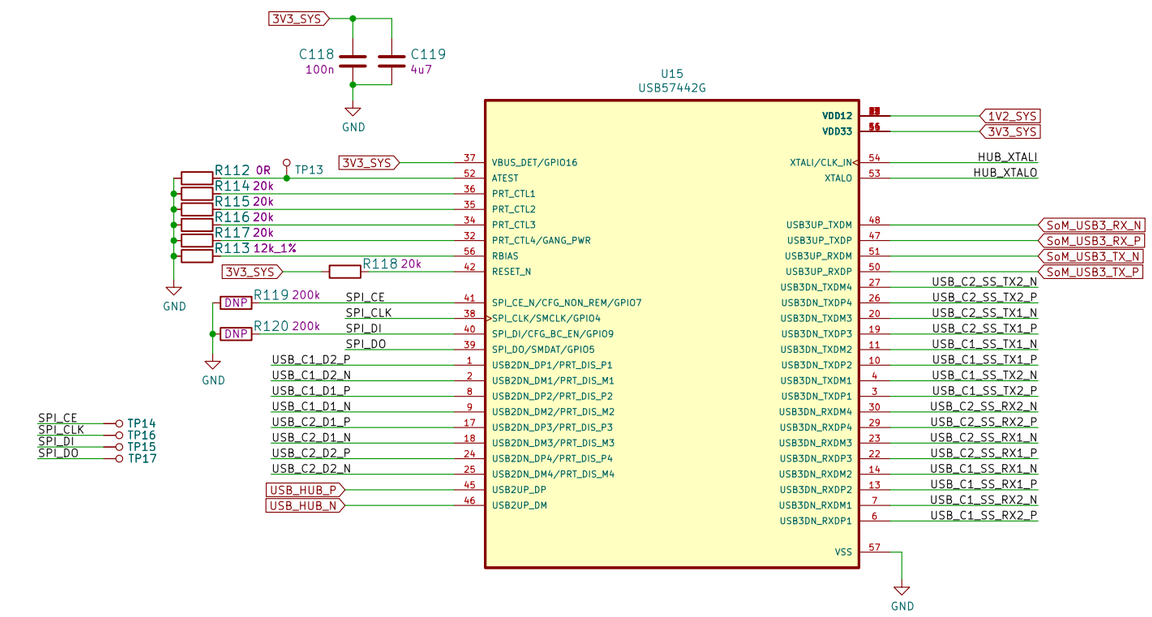
Sheet: /power supply/ File: power_supply.kicad_sch	
Title: Snapdragon 625 Baseboard	
Size: A3	Date: 2022-05-10 — **Rev: 1.0.1**
KiCad E.D.A. eeschema 6.0.11-2627ca5db0-126-ubuntu22.04.1	Id: 4/9

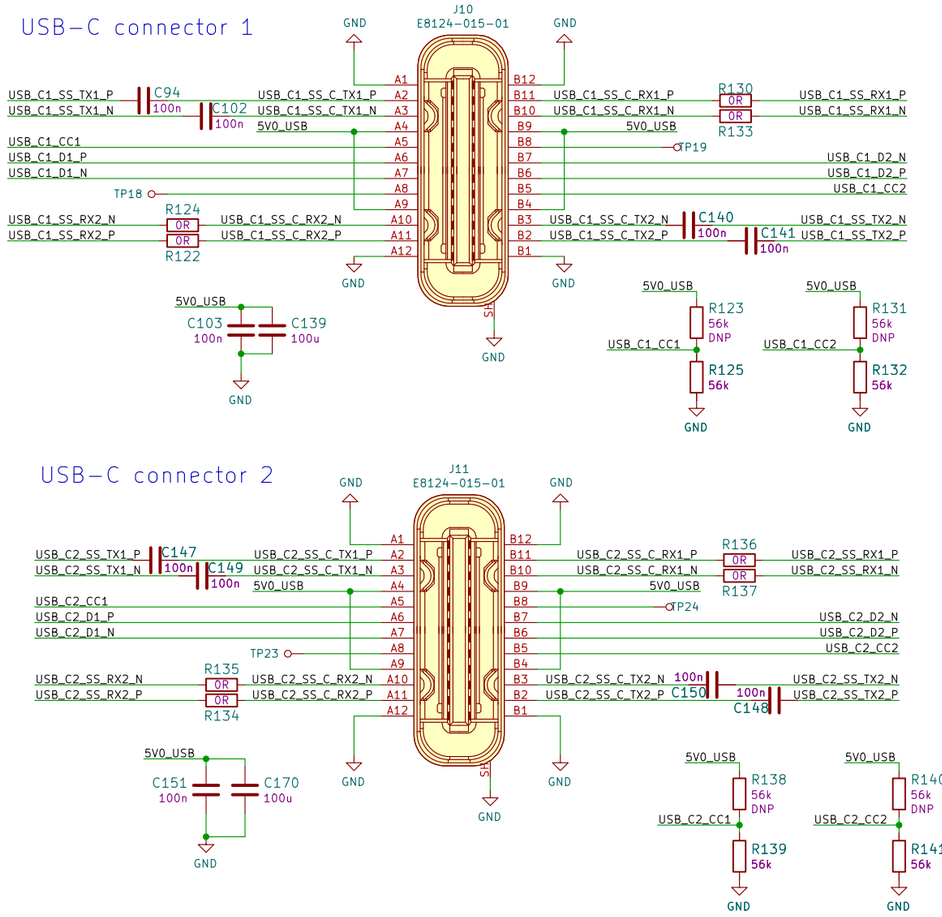
USB Load Switch



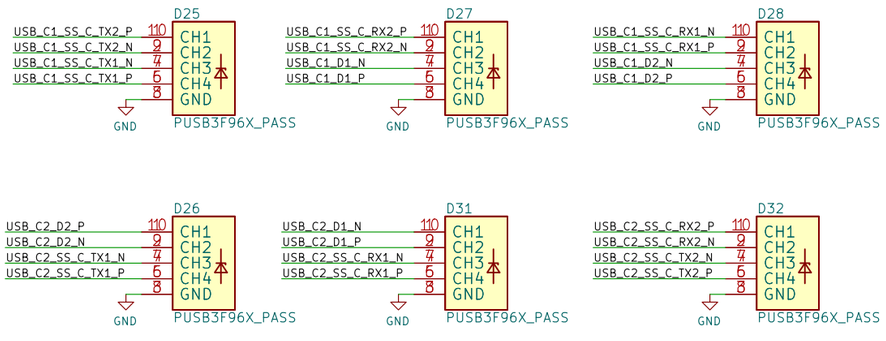
USB HUB



USB-C Connectors



ESD Protection



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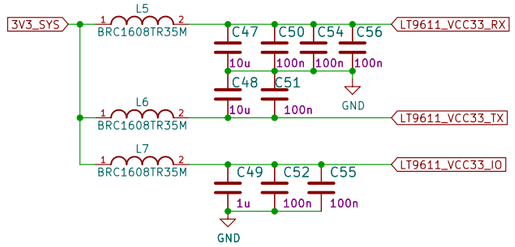
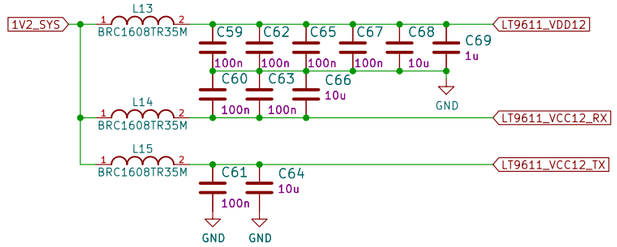
Sheet: /USB_HUB_Connectors/
File: USB_HUB_Connectors.kicad_sch

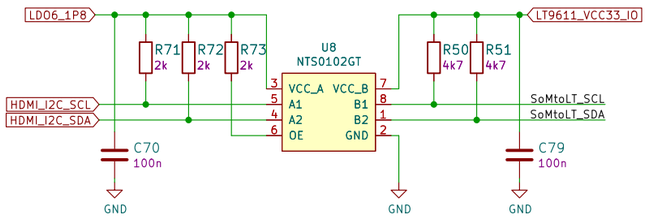
Title: Snapdragon 625 Baseboard

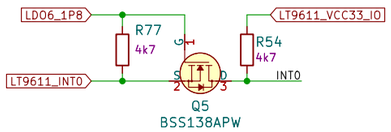
Size: A3	Date: 2022-05-10	**Rev: 1.0.1**
KiCad E.D.A.	eeschema 6.0.11-2627ca5db0-126-ubuntu22.04.1	Id: 5/9

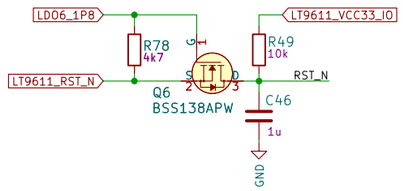
MIPI DSI to HDMI

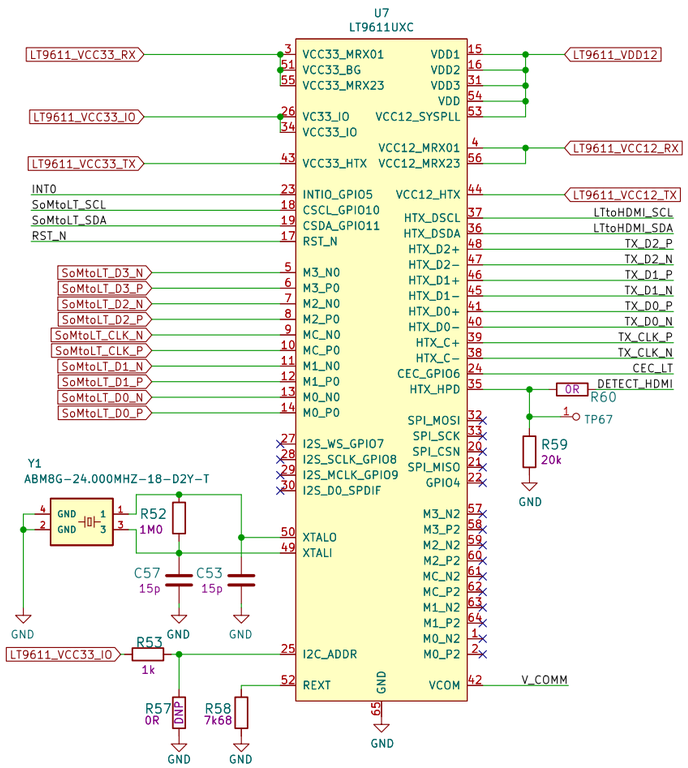


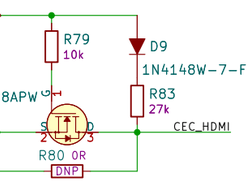


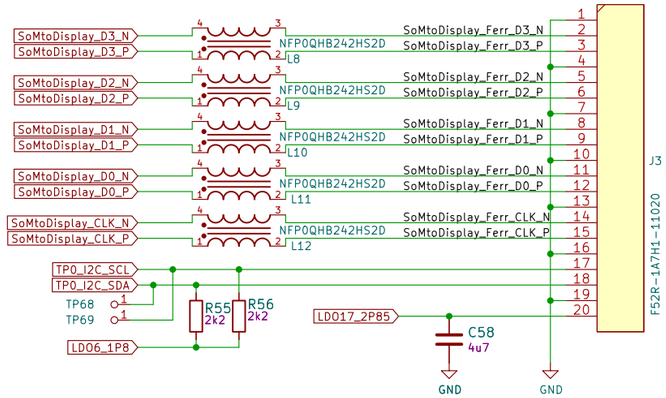


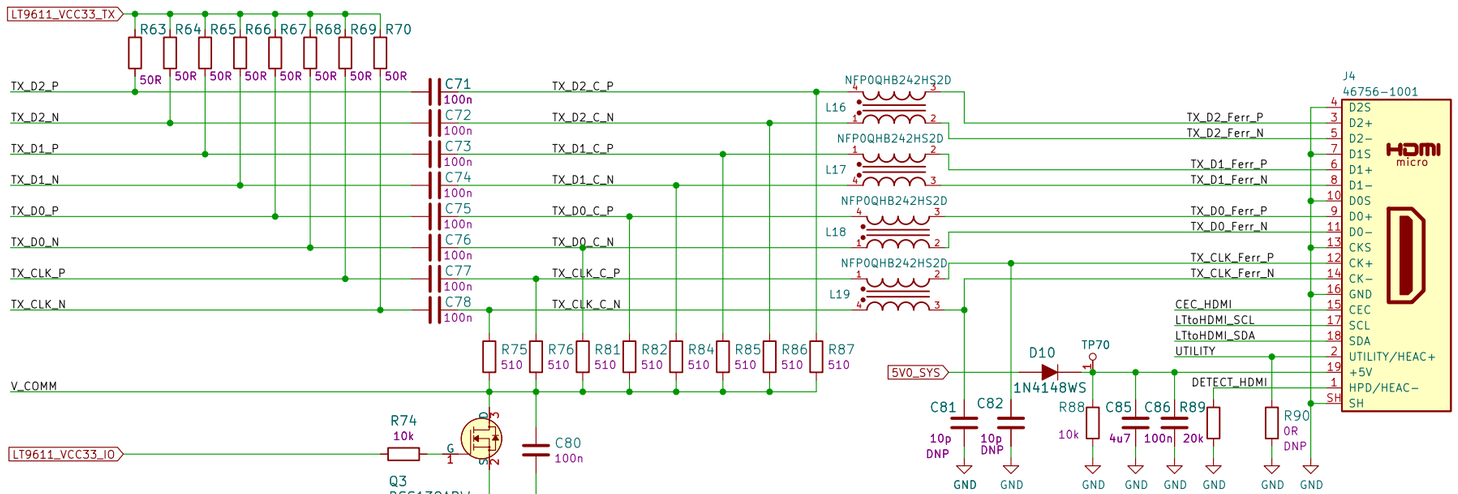


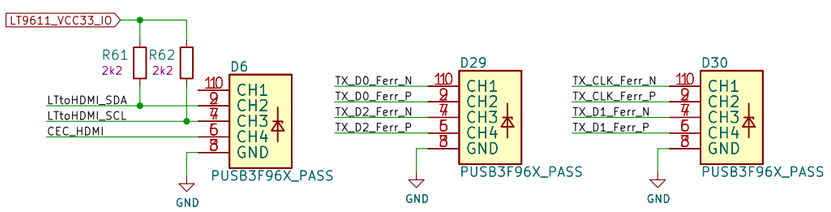












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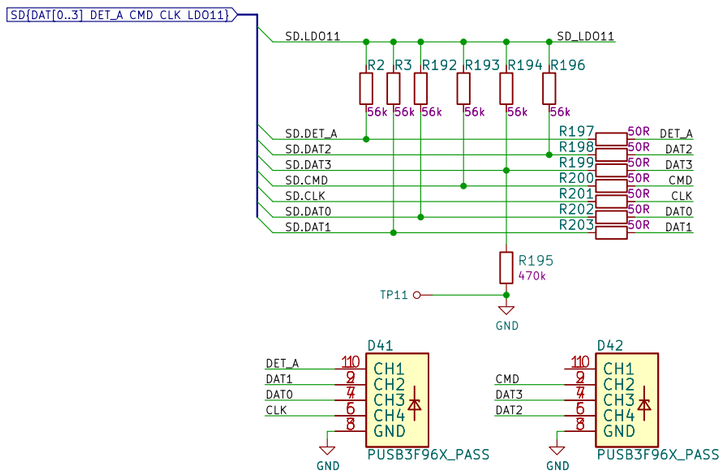
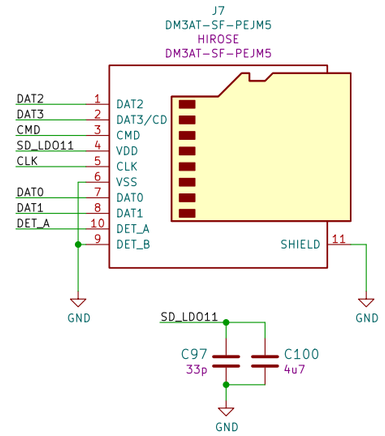
Sheet: /display module/
File: display_module.kicad_sch

Title: Snapdragon 625 Baseboard

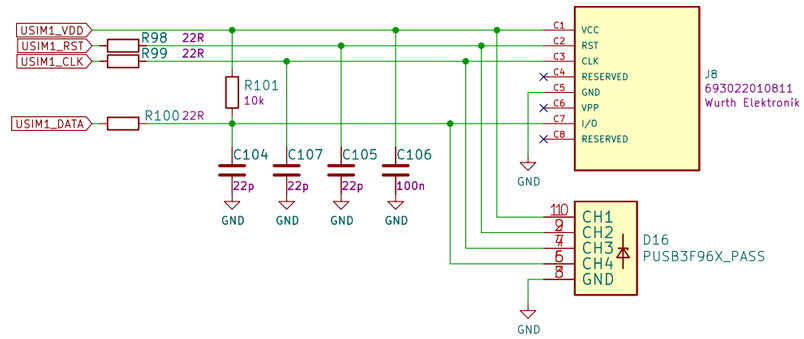
Size: A3	Date: 2022−05−10	**Rev: 1.0.1**
KiCad E.D.A.	eeschema 6.0.11−2627ca5db0−126−ubuntu22.04.1	Id: 6/9

Main SD card connector

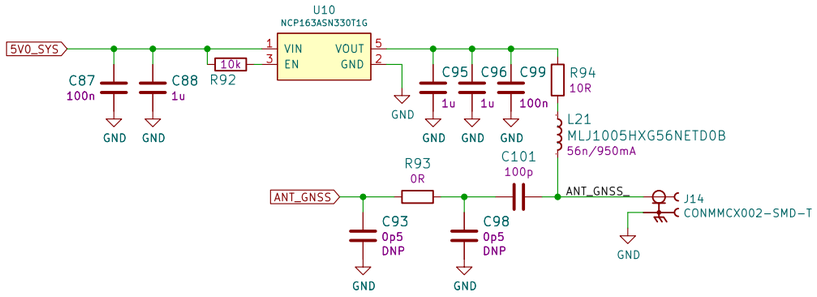




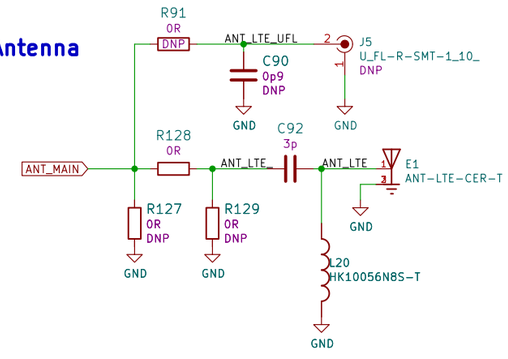
Main micro SIM connector



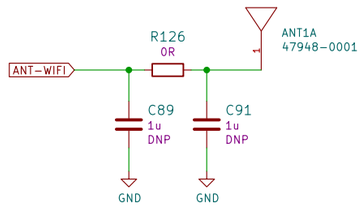
GNSS Antenna



Main Antenna



Wi-Fi Antenna



SYSTEM BUTTONS AND LEDs

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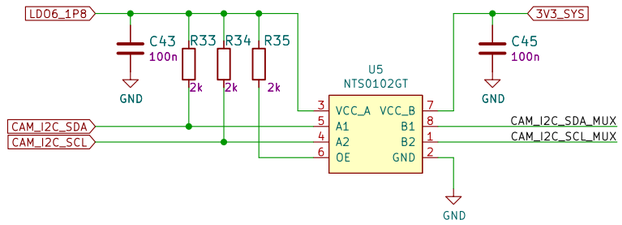
Sheet: /peripherals/
File: peripherals.kicad_sch

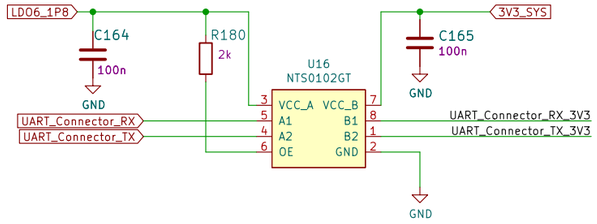
Title: Snapdragon 625 Baseboard

Size: A3	Date: 2022-05-10	**Rev: 1.0.1**
KiCad E.D.A.	eeschema 6.0.11-2627ca5db0-126-ubuntu22.04.1	Id: 7/9

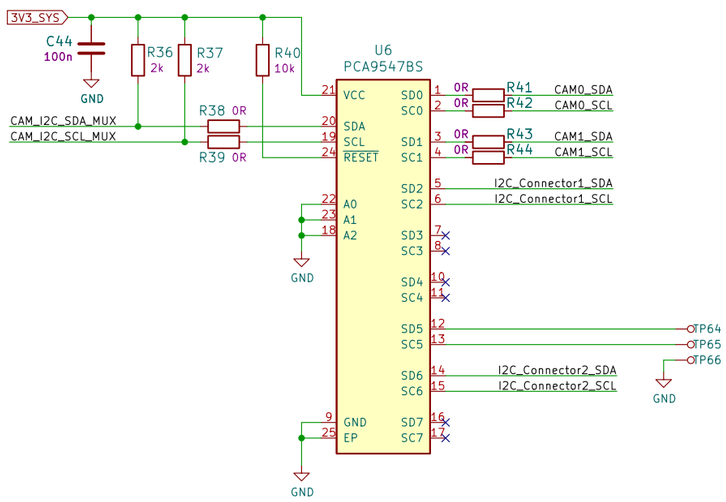
SoM to I2C Mux voltage translating transceiver



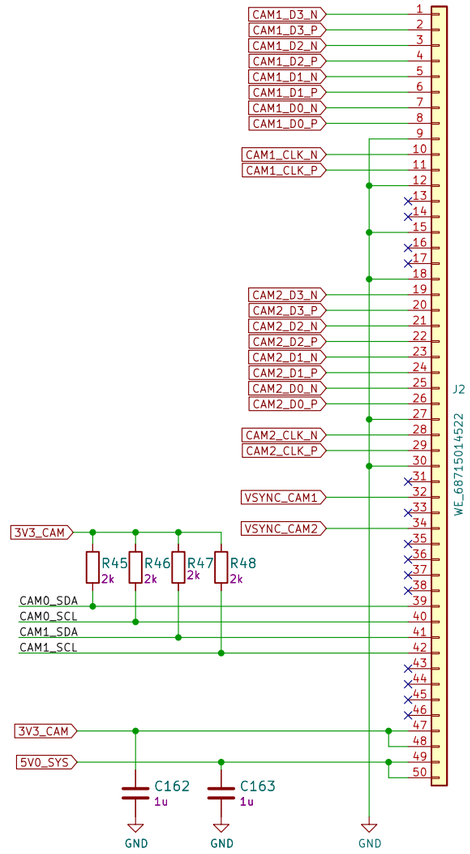
UART connector voltage translating transceiver



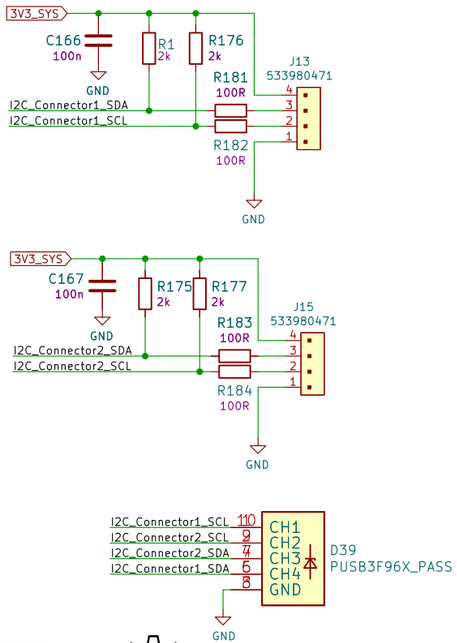
Camera I2C multiplexer



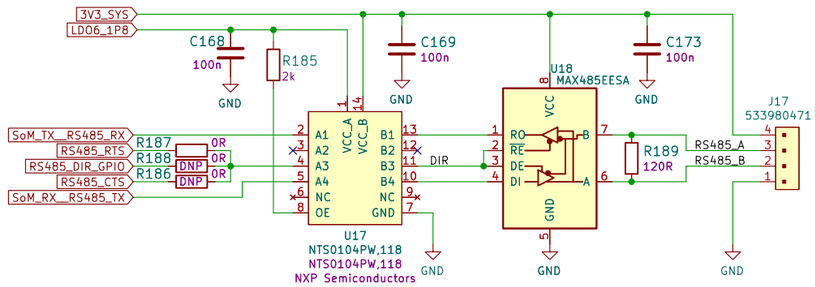
Camera FFC



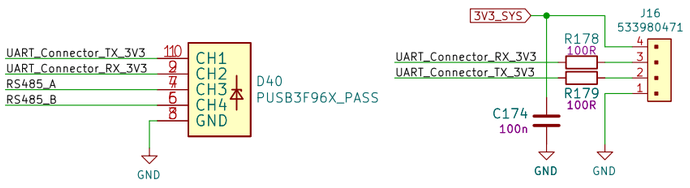
I2C connectors



RS485 connector and voltage translator



UART connector



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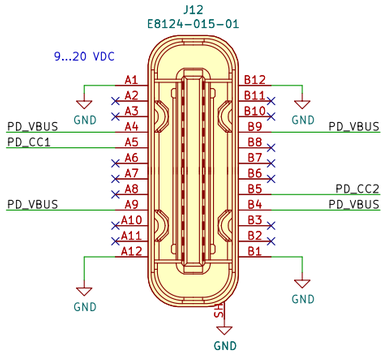
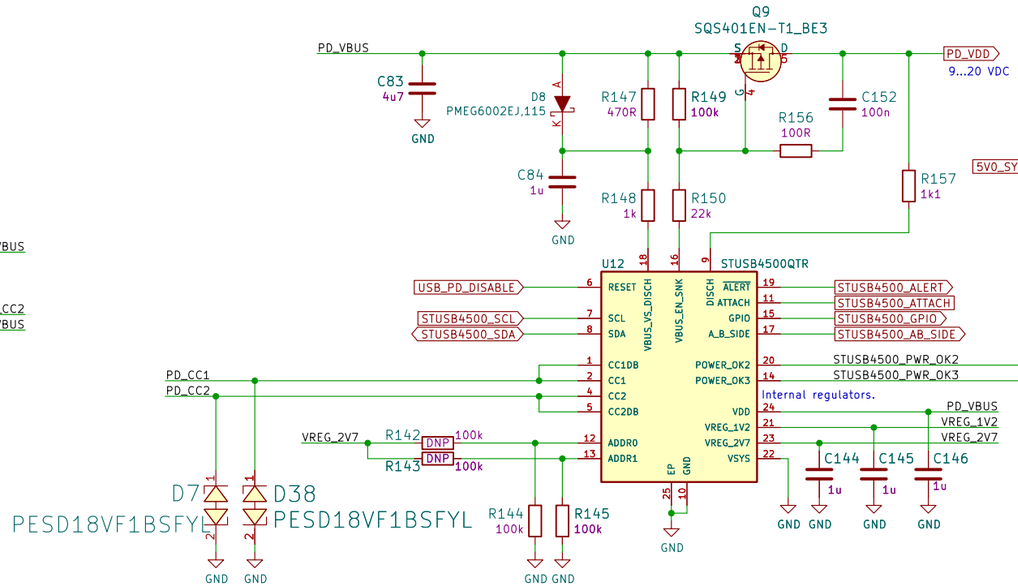
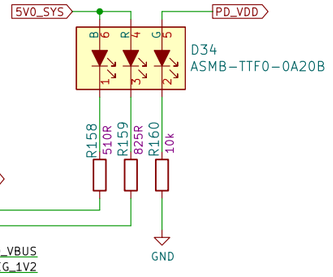
Title: Snapdragon 625 Baseboard

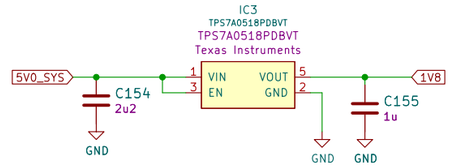
Size: A3	Date: 2022-05-10	**Rev: 1.0.1**
KiCad E.D.A. eeschema 6.0.11-2627ca5db0-126-ubuntu22.04.1		Id: 8/9

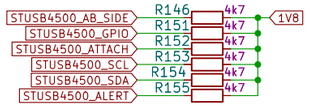
USB-C PD





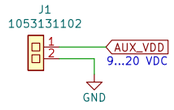


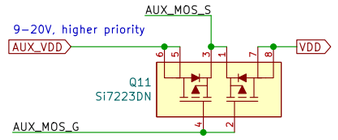


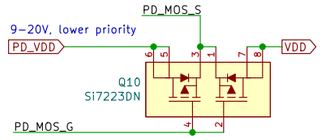


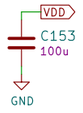
Auxiliary Power Control

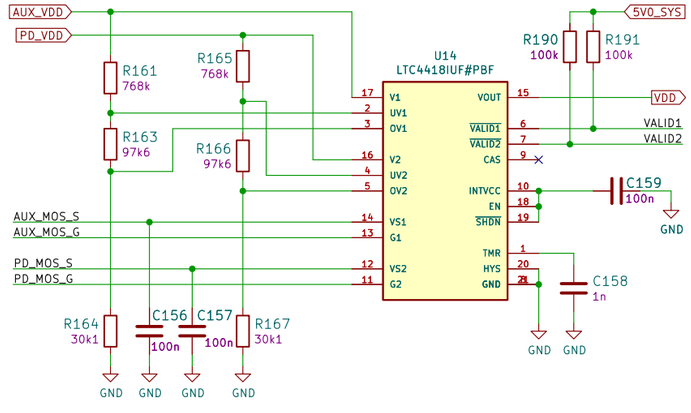
AUX Power input

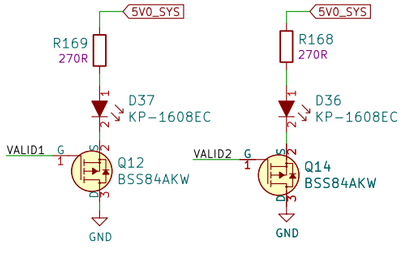












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Rev: 1.0.1	Id: 9/9