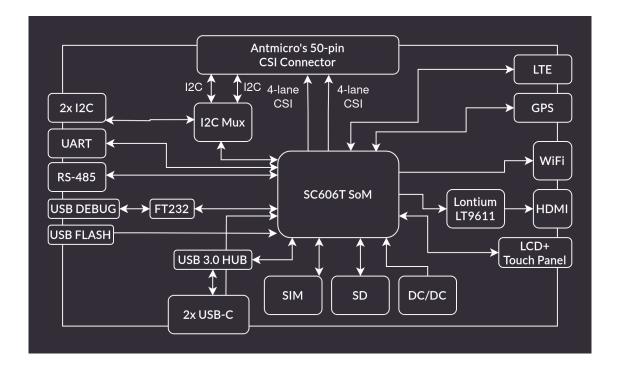
SC606T Baseboard



MP3 Spacer_H3mm_9774030243R MP1 Spacer_H3mm_9774030243R power supply display module serial_and_cameras_interfaces N1 Logo antmicro_logo N2 Logo oshw_logo File: som.kicad_sch File: power_supply.kicad_sch File: display_module.kicad_sch File: serial_and_cameras_interfaces.kicad_sch USB_flash_debug USB_HUB_Connectors peripherals USB-PD File: USB_HUB_Connectors.kicad_sch File: peripherals.kicad_sch File: USB_flash_debug.kicad_sch File: USB-PD.kicad_sch

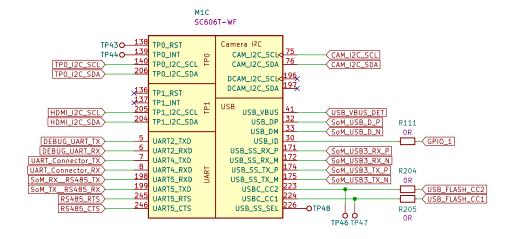




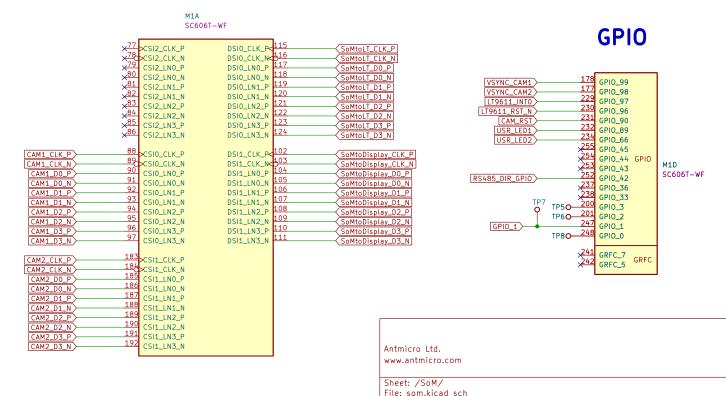
MP2 Spacer_H3mm_9774030243R MP4 Spacer_H3mm_9774030243R

Antmicro Ltd. www.antmicro.com		
Sheet: / File: sc606-baseboard.kicad_sch		
Title: Snapdragon 625 Baseboard		
Size: A3 Date: 2022-05-10	Rev: 1.1.1	
KiCad E.D.A. eeschema 6.0.11+dfsg-1~bpo11+1	ld: 1/9	

12C, USB SS, UART



CSI, DSI

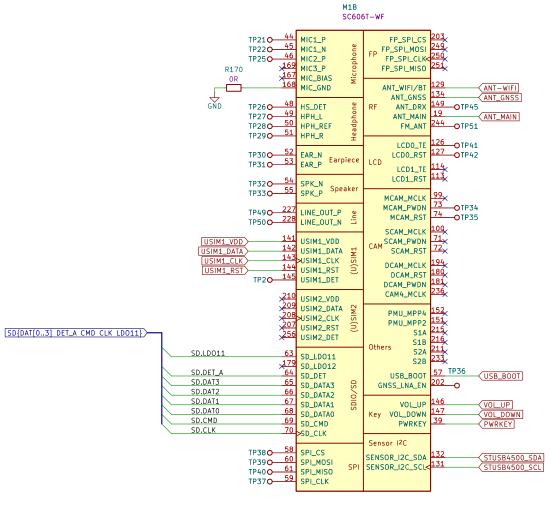


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 Snapdragon
 625
 Baseboard

 Size:
 A3
 Date:
 2022-05-10

 KiCad
 E.D.A.
 eeschema
 6.0.11+dfsg-1-bpo11+1

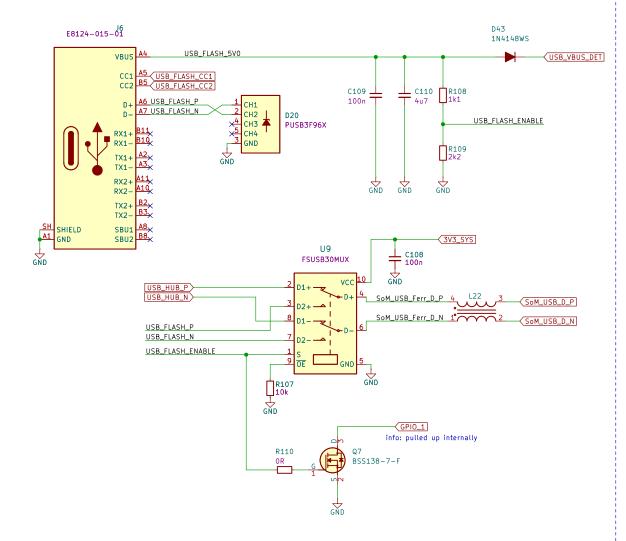


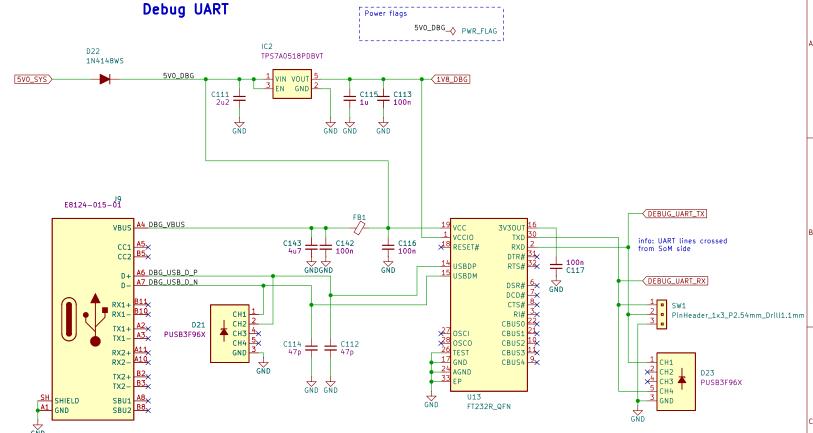






USB SoM flashing IF





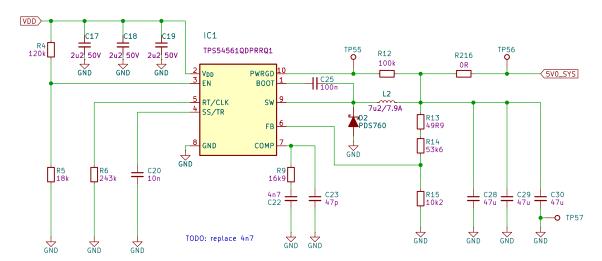




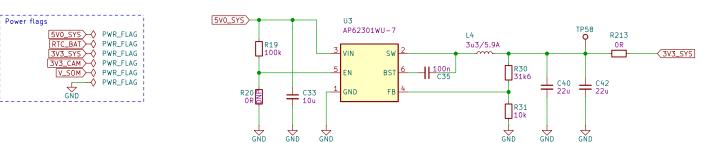
Antmicro Ltd. www.antmicro.com Sheet: /USB_flash_debug/ File: USB_flash_debug.kicad_sch Title: Snapdragon 625 Baseboard

Size: A3 Date: 2022-05-10
KiCad E.D.A. eeschema 6.0.11+dfsg-1~bpo11+1

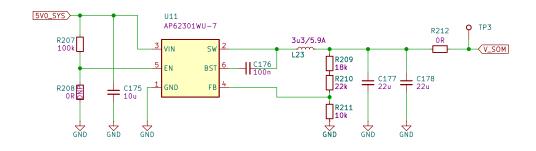
5V Main DC/DC



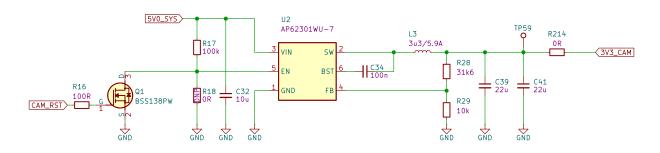
5V to 3V3 DC/DC for system



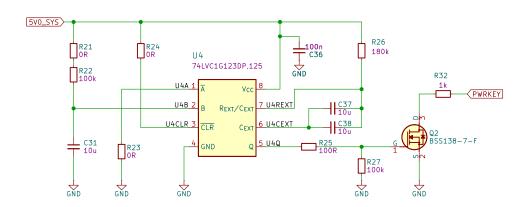
4V step down DC/DC from 5V



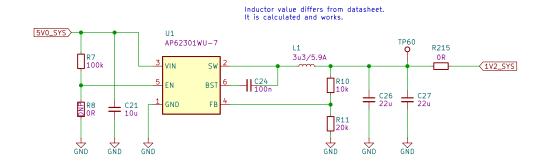
5V to 3V3 DC/DC for camera



Auto Power-On



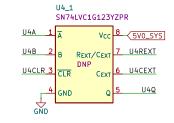
5V to 1V2 for Lontium9611



RTC

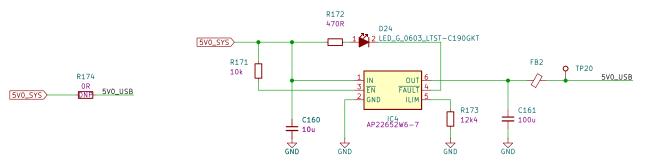


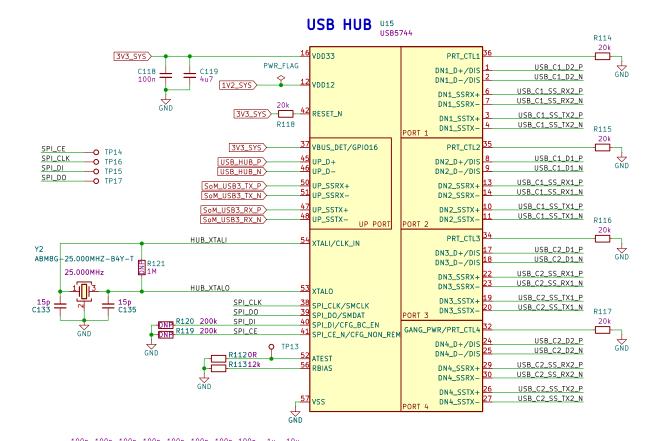


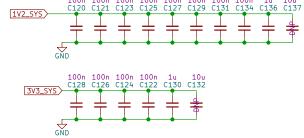




USB Load Switch



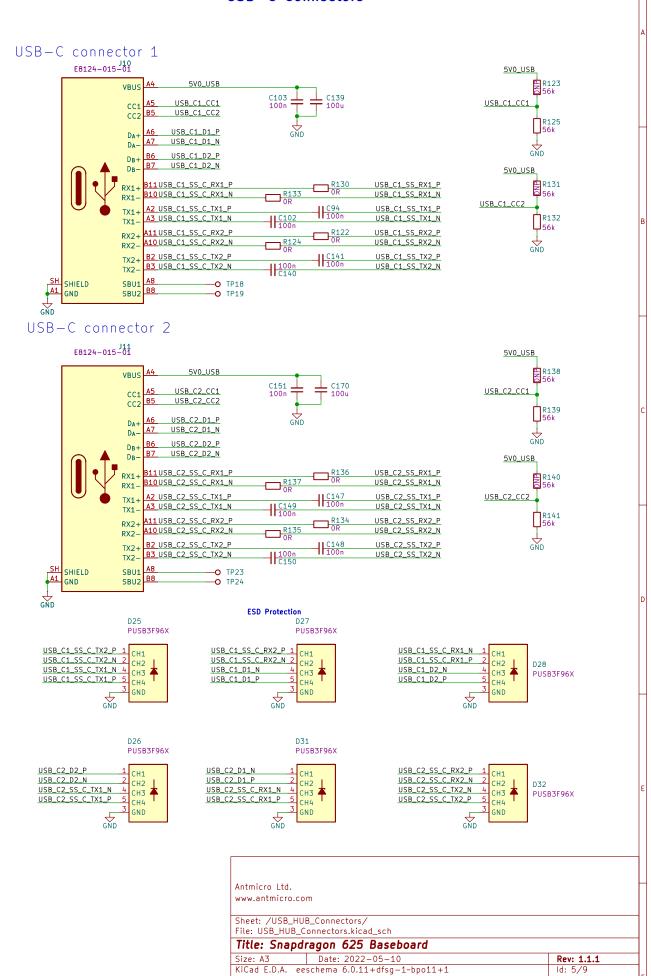


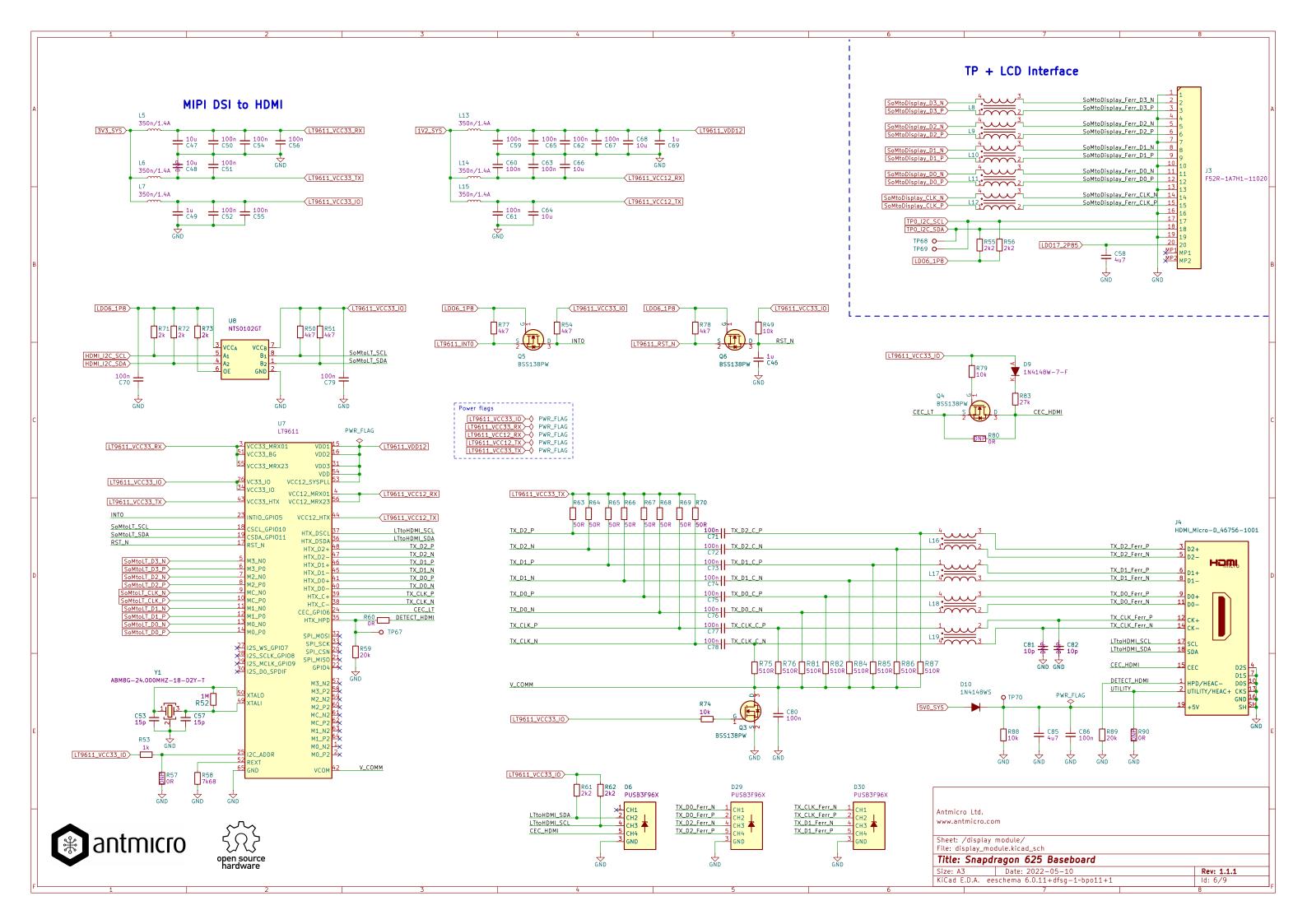






USB-C Connectors





Main SD card connector Main micro SIM connector [SD{DAT[0..3] DET_A CMD CLK LD011}} J8 WE_MicroSIM_Hinge_693022010811 J7 DM3AT-SF-PEJM5 SD.LD011 C97 C100 R3 R192 R193 R194 R196 USIM1_VDD 56k 56k 56k 56k 56k USIM1_DATA R100 22R USIM1_CLK R99 22R USIM1_RST R98 22R R197 50R DET_A R198 50R DAT2 R199 50R DAT3 R200 50R CMB R201 50R CLK R202 50R DAT0 R203 50R DAT1 SD.DET_A SD.DAT2 SD.DAT3 SD.CMD SD.CLK SD.DAT0 SD.DAT1 SD.LD011 C104 C107 C105 C106 | 22p | 22p | 22p | 100n | GND | GND | GND | GND DATO DAT1 SHIELD 11 D16 PUSB3F96X TP11 GND PUSB3F96X PUSB3F96X SYSTEM BUTTONS AND LEDs **GNSS Antenna** S1 SW_SPST_KMR211NGLFS U10 NCP163ASN330T1G 3V3_SYS 3V3_CAM 5V0_SYS PTVS5V0Z1USKF D14 LED_G_0603_LTST-C190GKT D19 LED_G_0603_LTST-C190GKT LED_G_0603_LTST-C190GKT L21 56n/950mA S2 SW_SPST_KMR211NGLFS J14 CONMMCX002-SMD-T VOL_DOWN R96 D12 PTVS5V0Z1USKP 3V3_SYS 3V3_SYS 3V3_SYS S3 SW_SPST_KMR211NGLFS LED_G_0603_LTST-C190GKT LED_G_0603_LTST-C190GKT LED_G_0603_LTST-C190GKT PWRKEY R97 3 4 BSS138-7-F BSS138-7-F BSS138-7-F Main Antenna USR_LED1 U.FL-R-SMT-1(10) Wi-Fi Antenna PTVS5V0Z1USKP A1 47948-0001 S4 SW_SPST_KMR211NGLFS FEED— ANT-WIFI ANT_MAIN C89 GND R129 0R D33 PTVS5V0Z1USKP L20 6.8nH/300mA Antmicro Ltd. www.antmicro.com antmicro Sheet: /peripherals/ File: peripherals.kicad_sch open source hardware Title: Snapdragon 625 Baseboard Size: A3 Date: 2022-05-10 KiCad E.D.A. eeschema 6.0.11+dfsg-1~bpo11+1

