



Radxa ROCK 5C schematic

V1.1

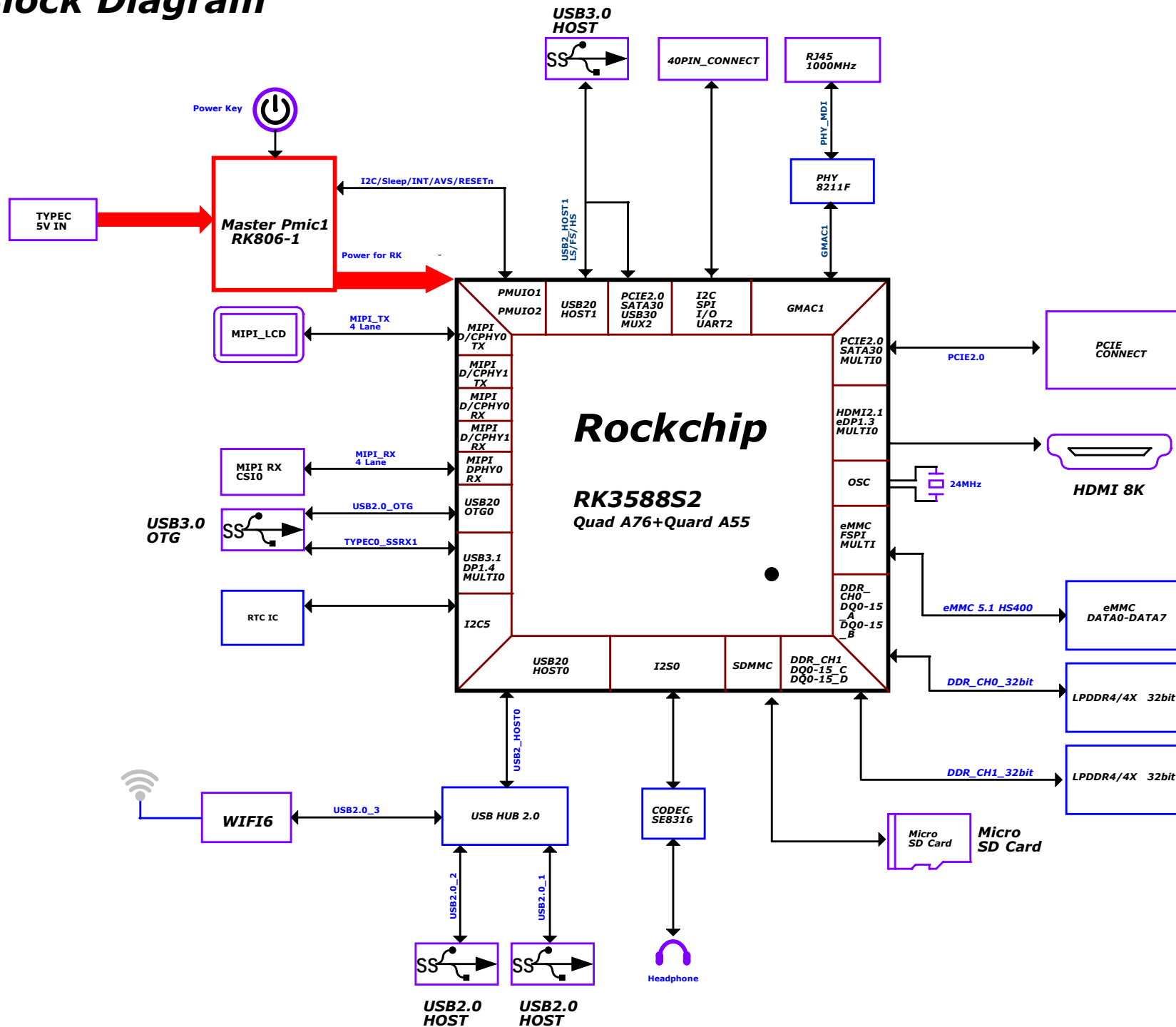
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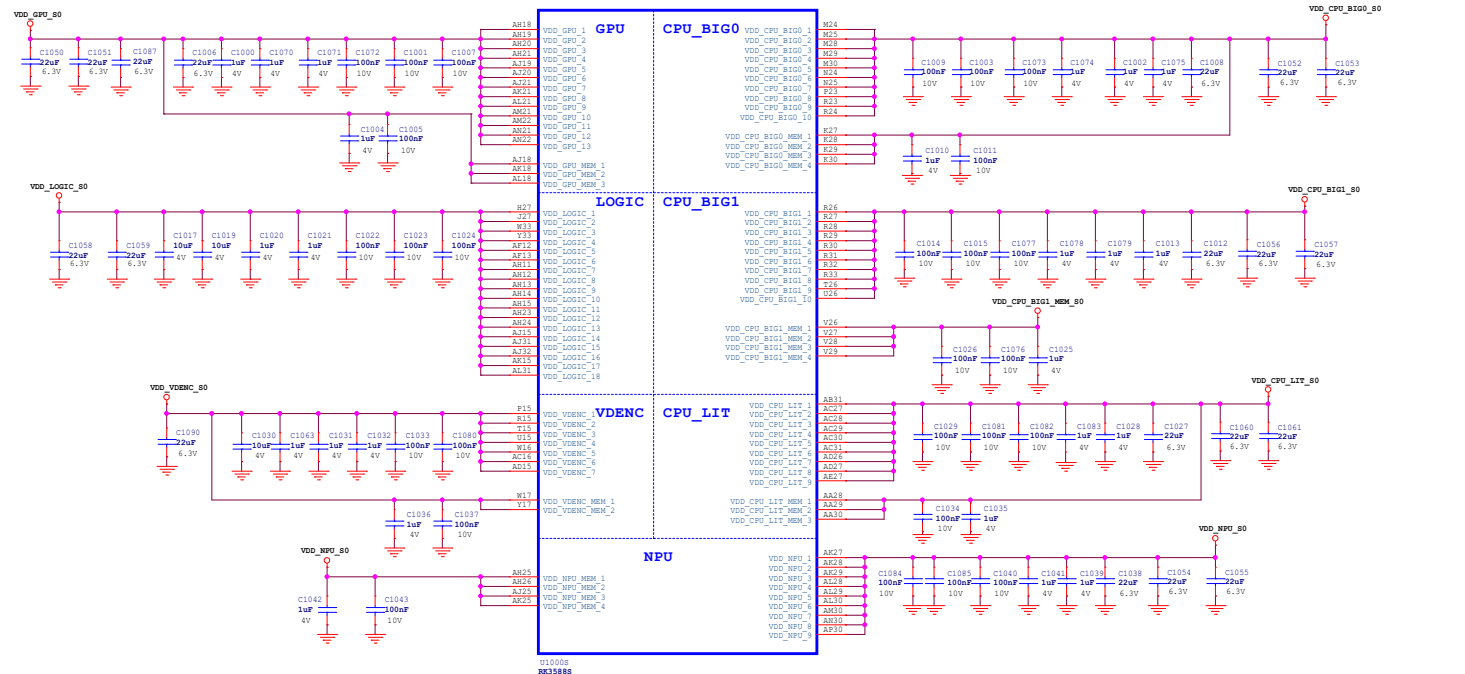


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5C Block Diagram



RK3588S (Power&Gnd)

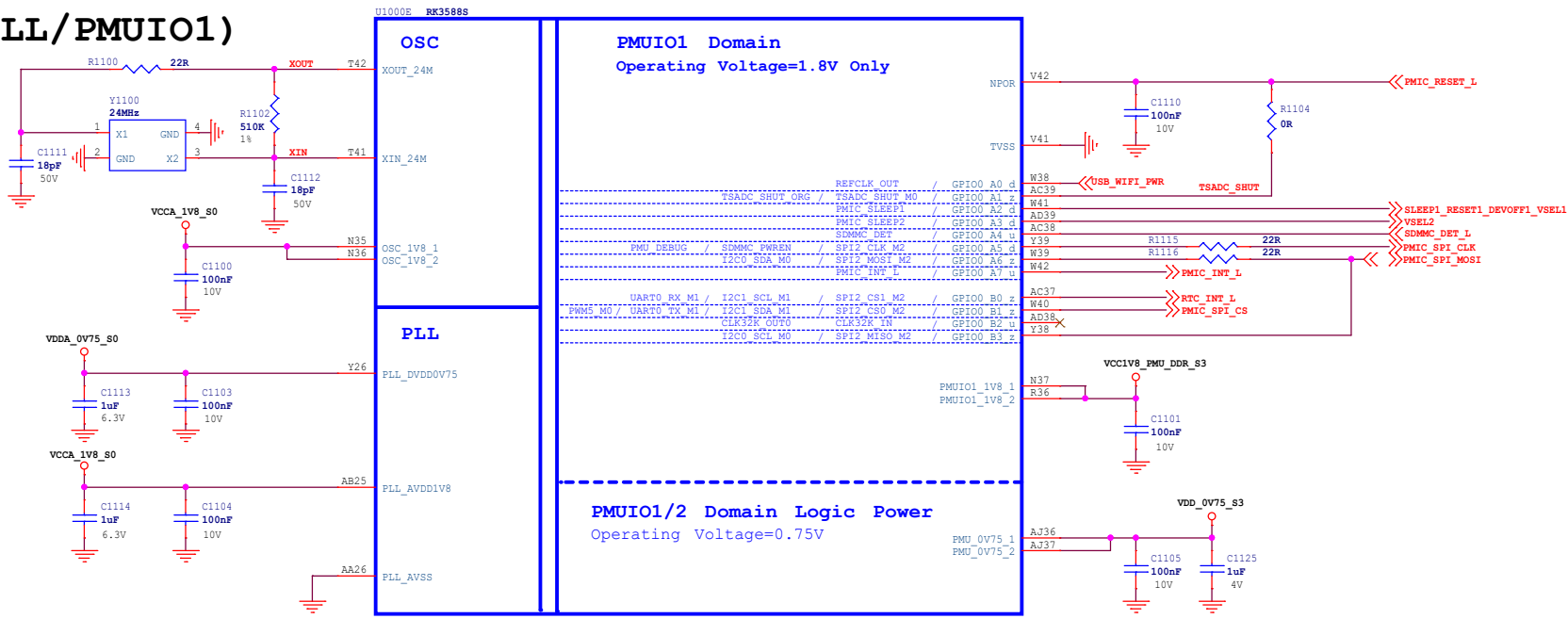


010006
RK3588S

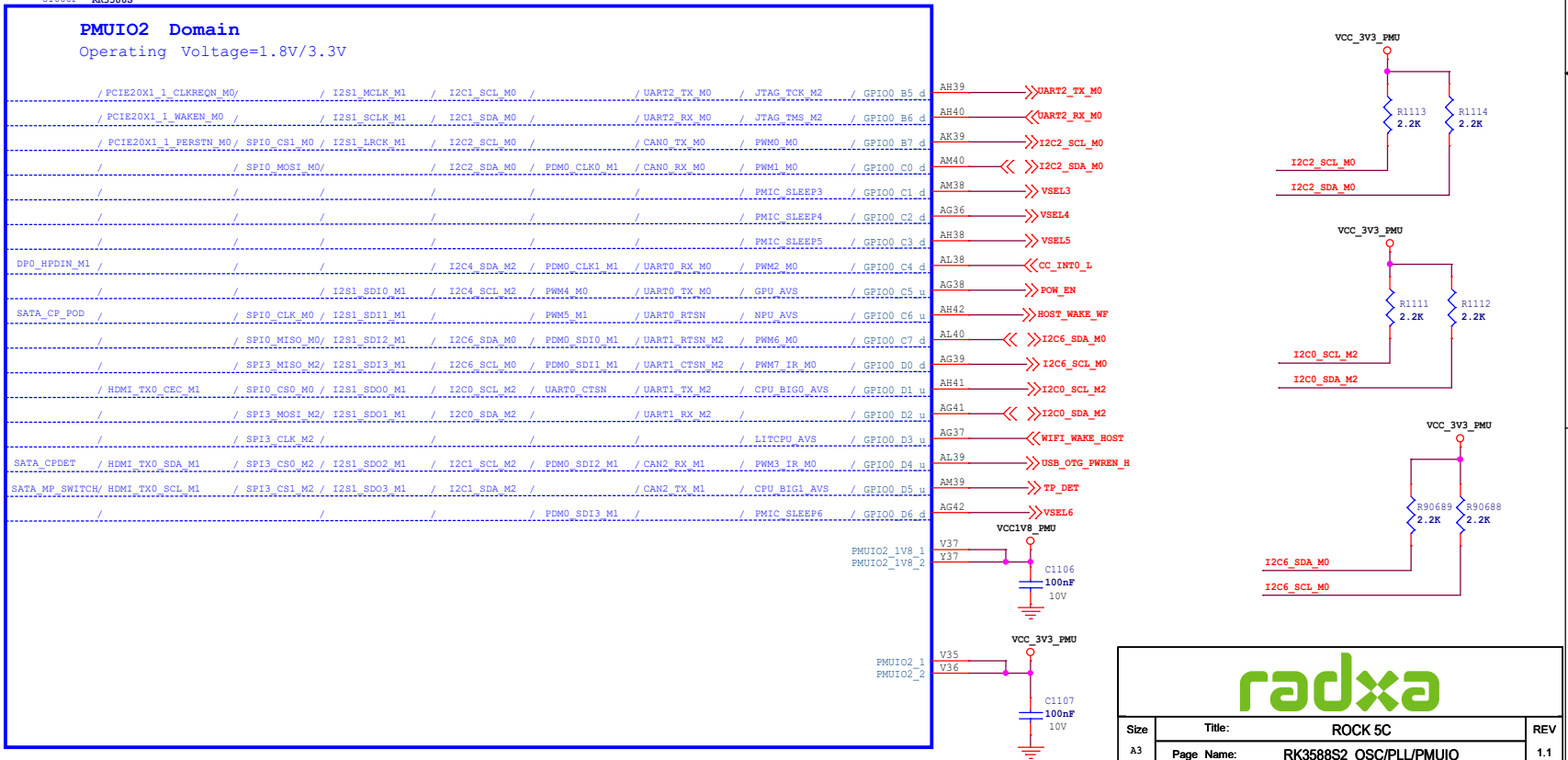
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A2	VSS_2	A23	VSS_102	VSS_152	A34	VSS_202	VSS_252	A45	VSS_302	VSS_352	A56	VSS_402	VSS_452	A67	VSS_502	VSS_552	A78	VSS_602	VSS_652	A89
A3	VSS_3	A24	VSS_103	VSS_153	A35	VSS_203	VSS_253	A46	VSS_303	VSS_353	A57	VSS_403	VSS_453	A68	VSS_503	VSS_553	A79	VSS_603	VSS_653	A90
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RK3588S (OSC/PLL/PMUIO1)



RK3588S (PMUIO2)

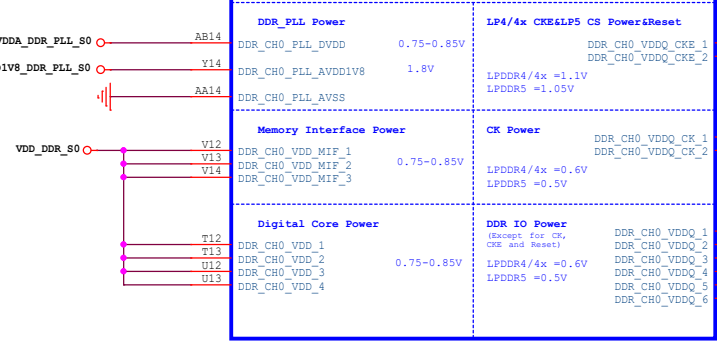
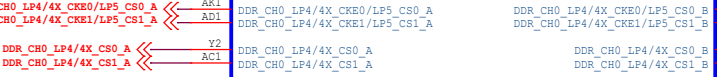
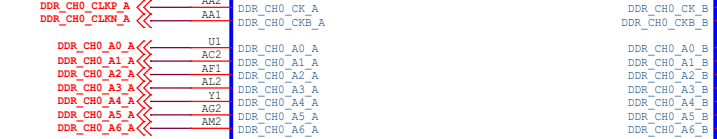
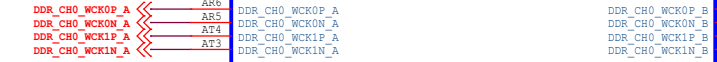
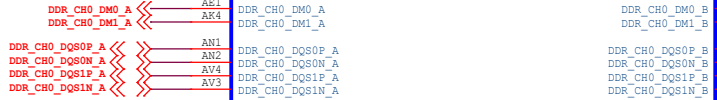
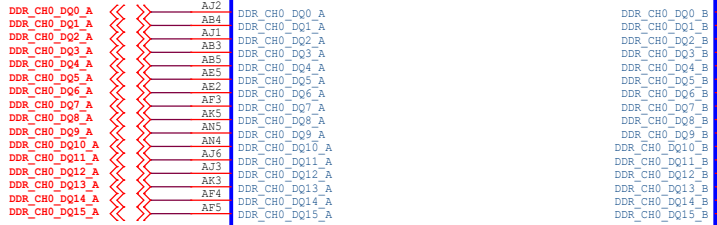




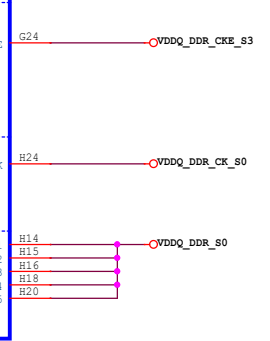
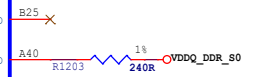
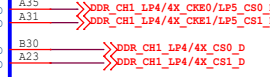
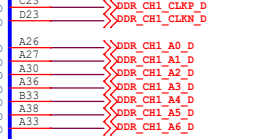
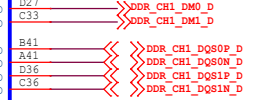
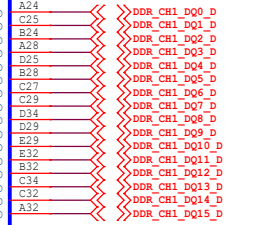
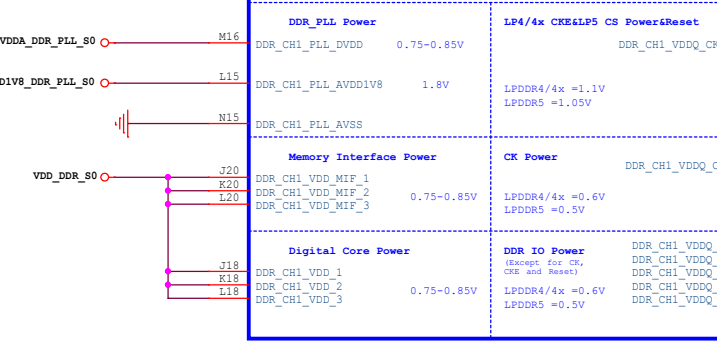
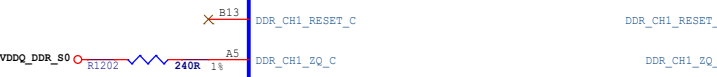
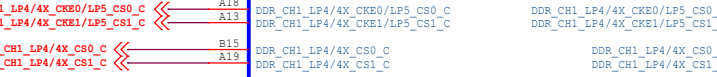
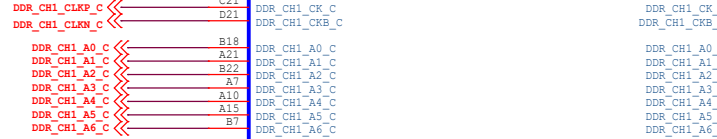
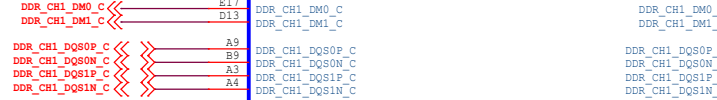
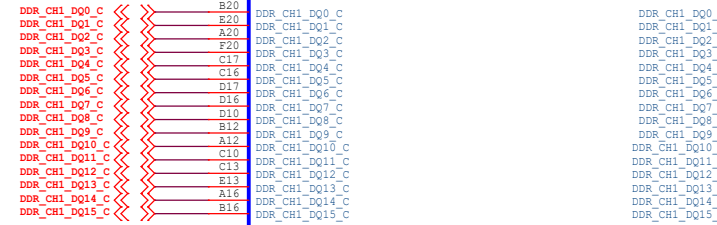
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RK3588S (DDR PHY)

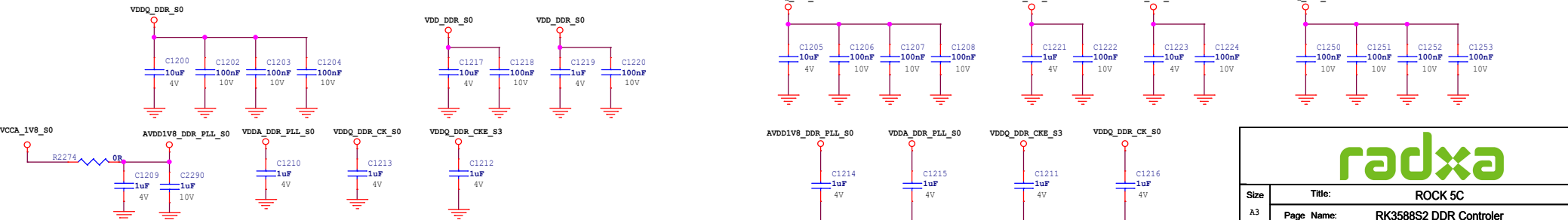
U1000A RK3588S



U1000B RK3588S



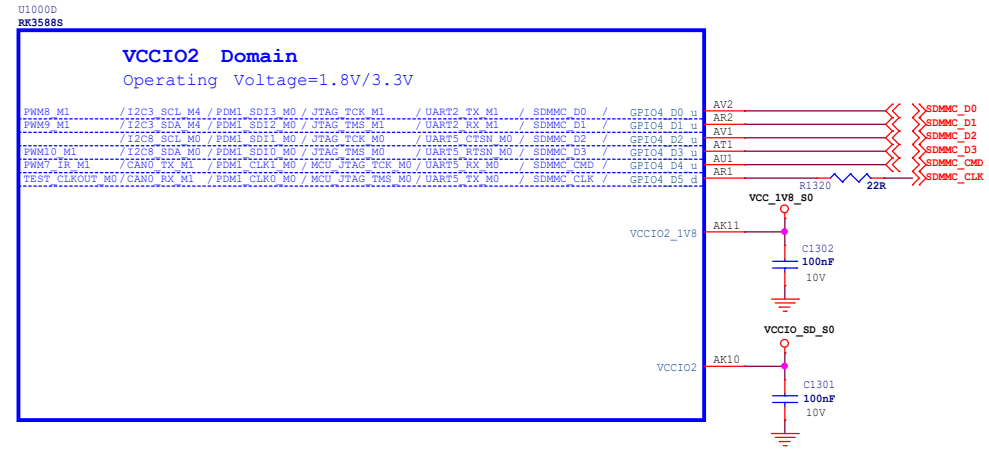
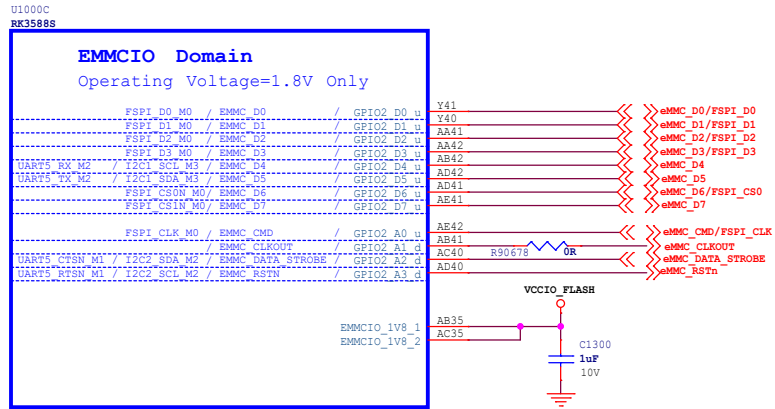
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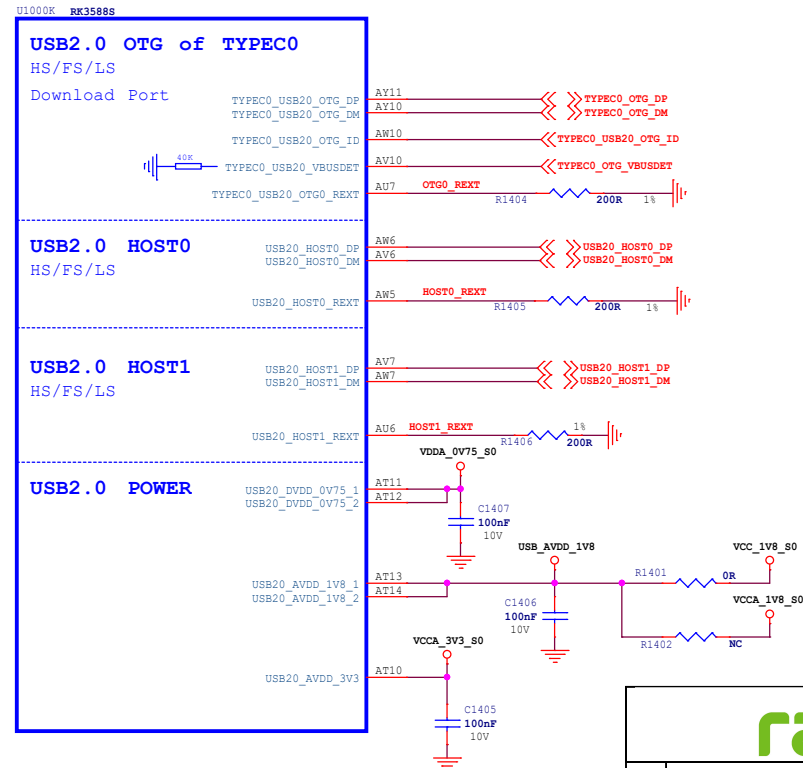
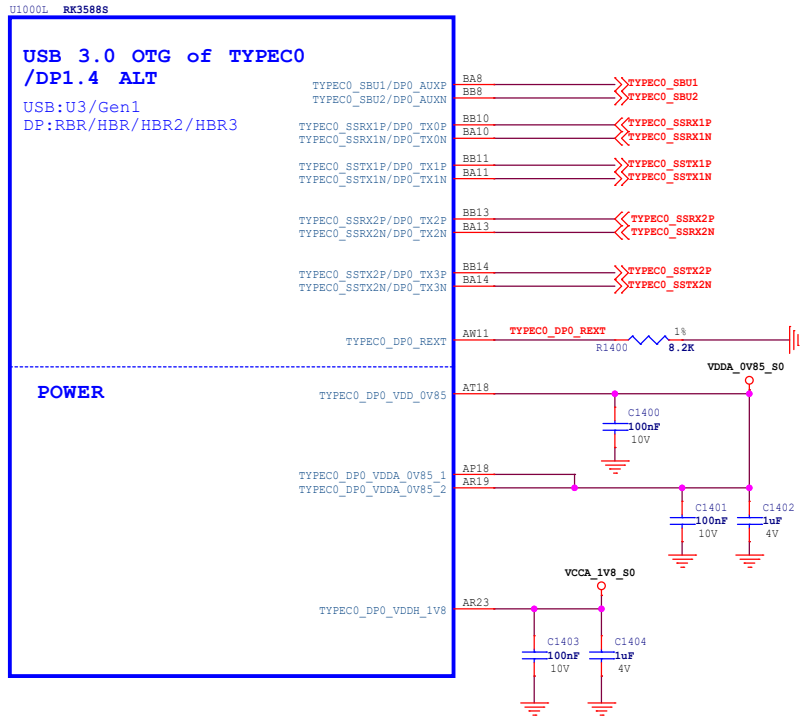
RK3588S (EMMCIO Domain)

RK3588S (VCCIO2 Domain)



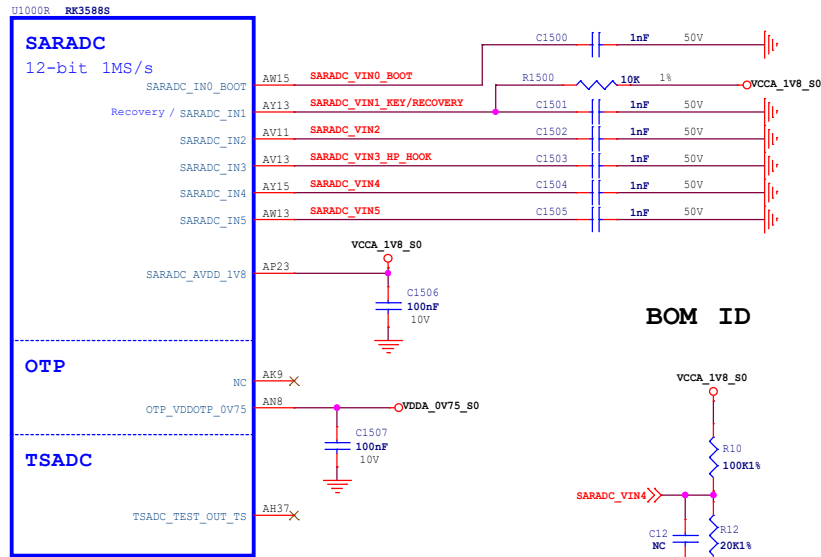
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RK3588S (USB2.0)

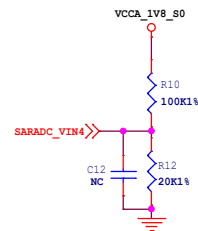


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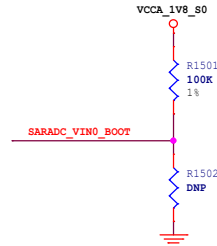
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- ⟨ SARADC_VIN2
- ⟨ SARADC_VIN3_HP_HOOK
- ⟨ SARADC_VIN0_BOOT



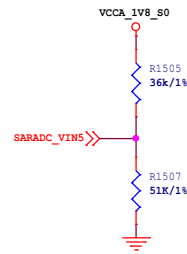
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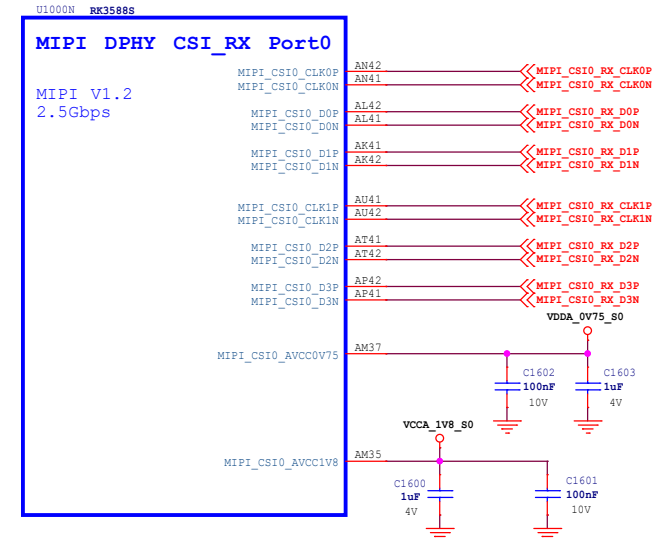
BOOT MODE CONFIG



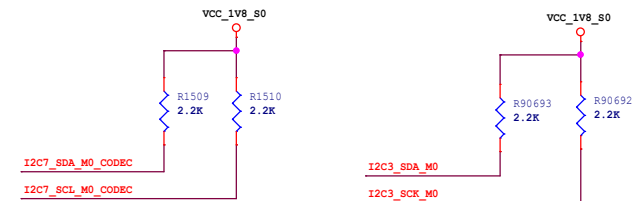
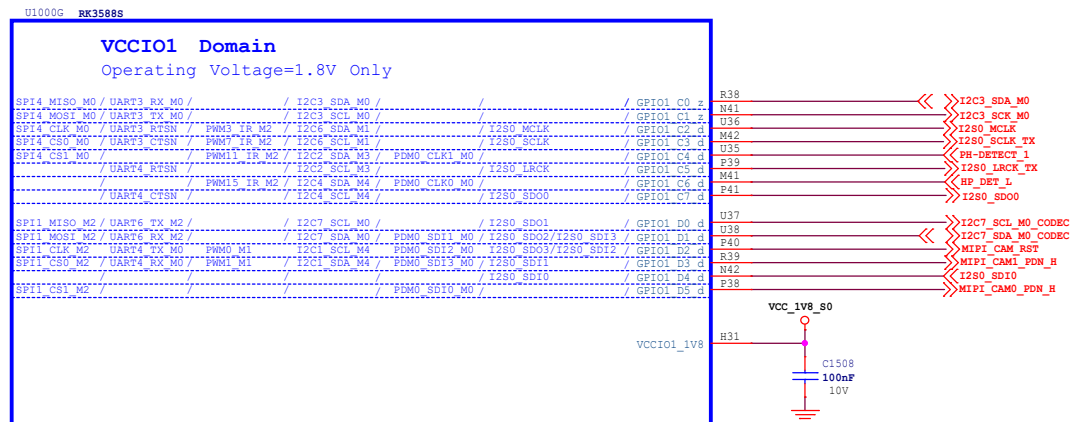
BOARD ID



RK3588S (MIPI_DPHY CSI0 RX)

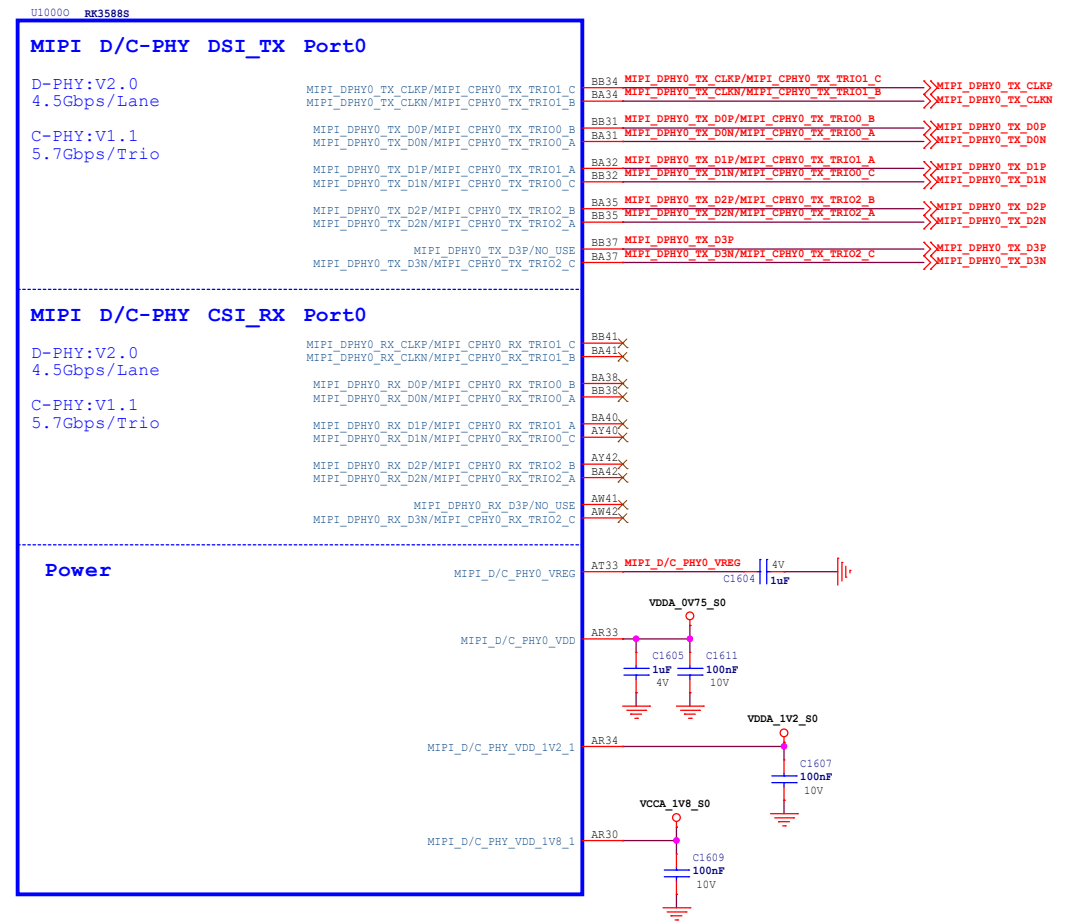
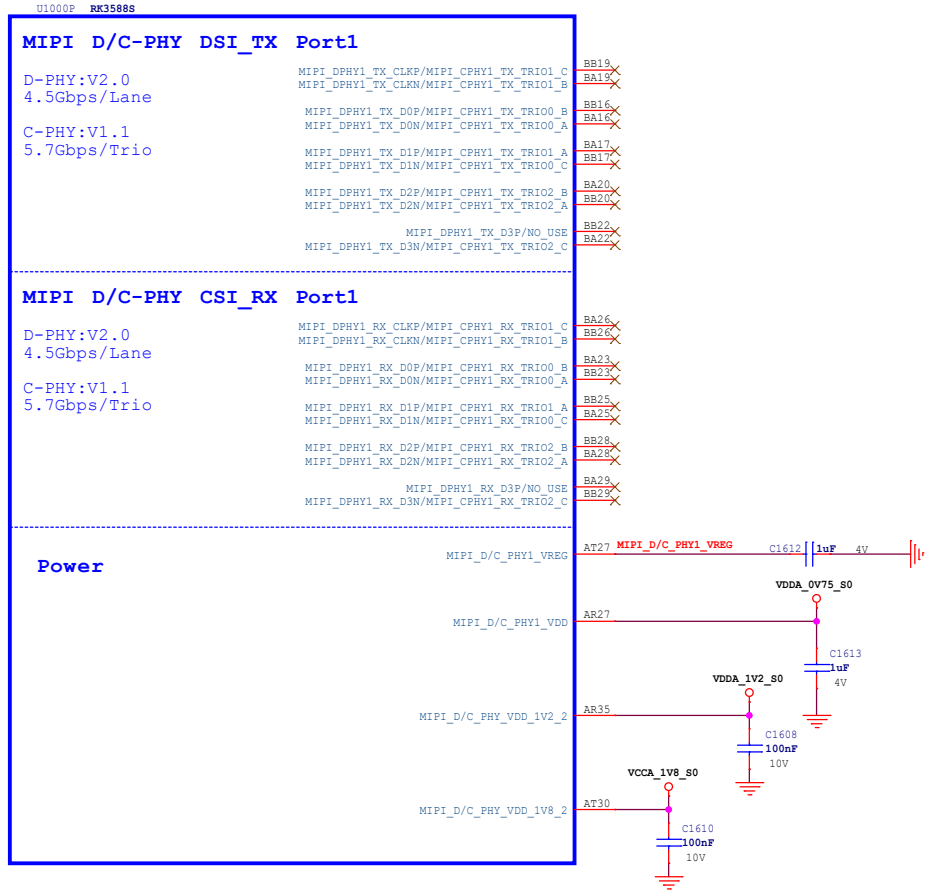


RK3588S (VCCIO1 Domain)



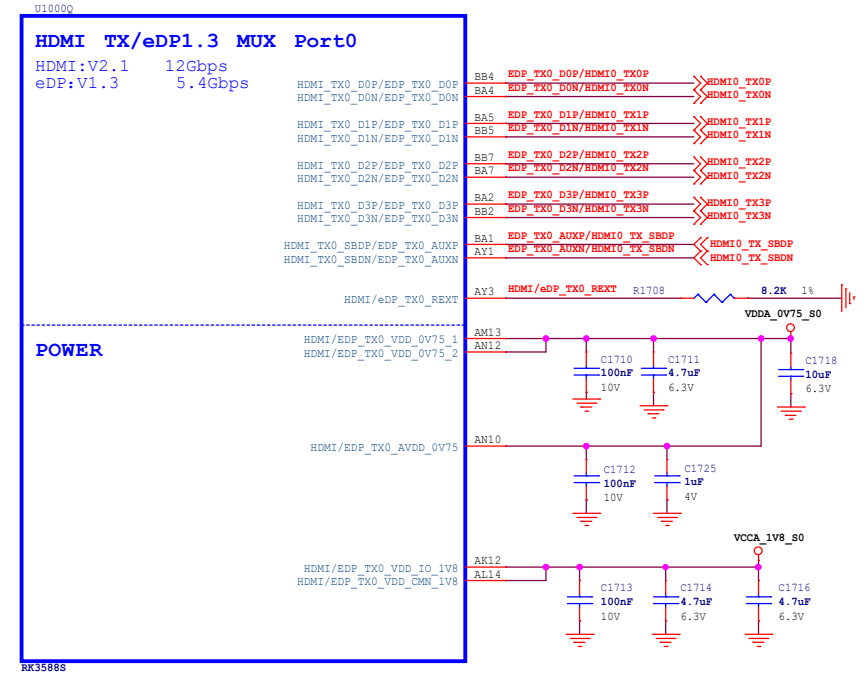
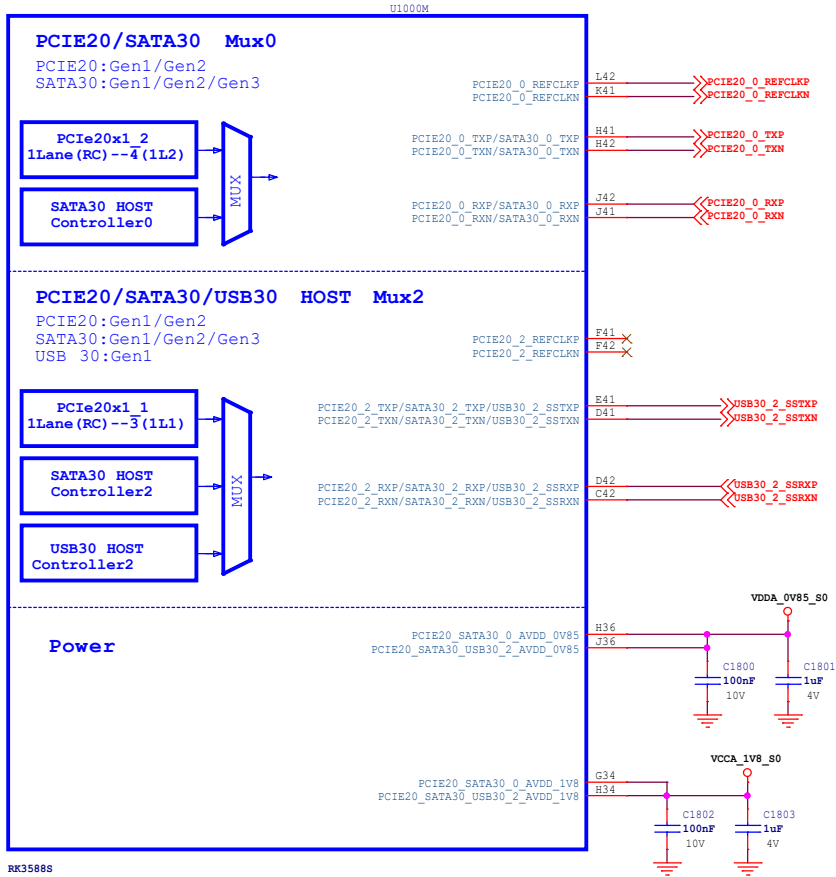
RK3588S (MIPI_D/C PHY1)

RK3588S (MIPI_D/C PHY0)



RK3588S (PCIE20/SATA30/USB30)

RK3588S (HDMI2.1 TX/eDP1.3 TX)



RK3588S

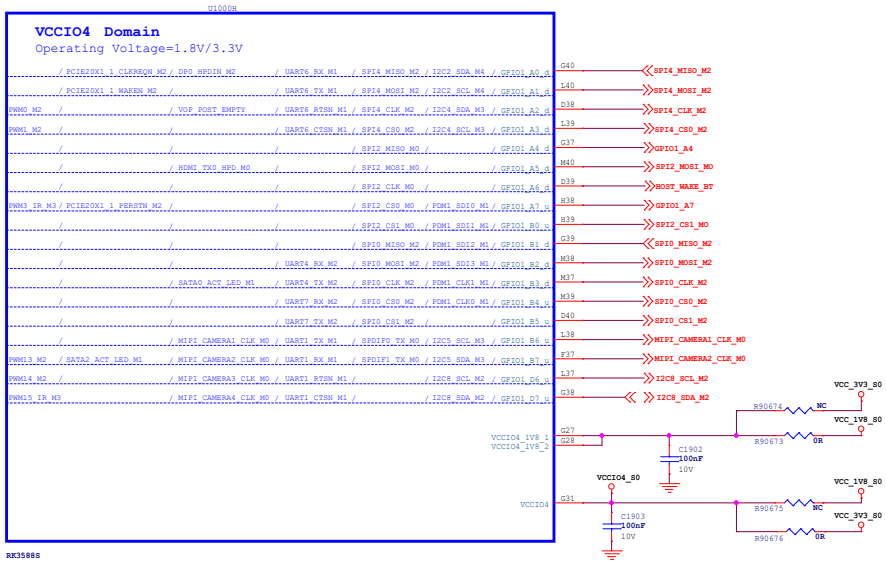
RK3588S



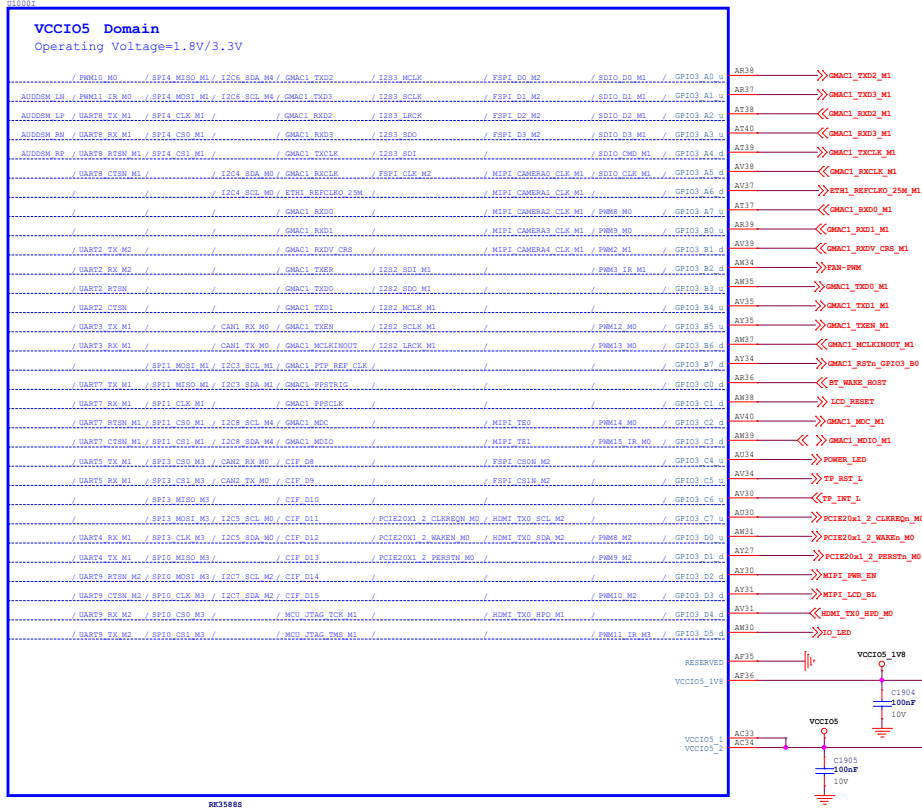
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RK3588S (VCCIO4 Domain)

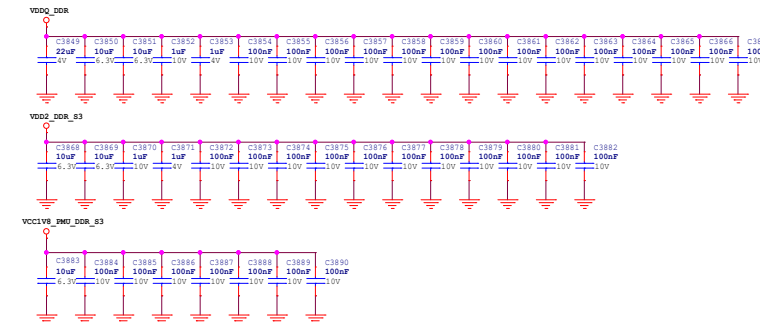
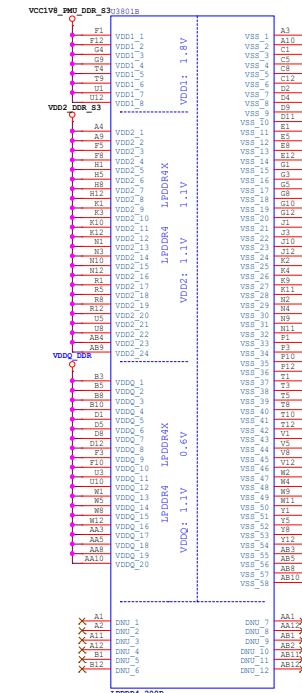
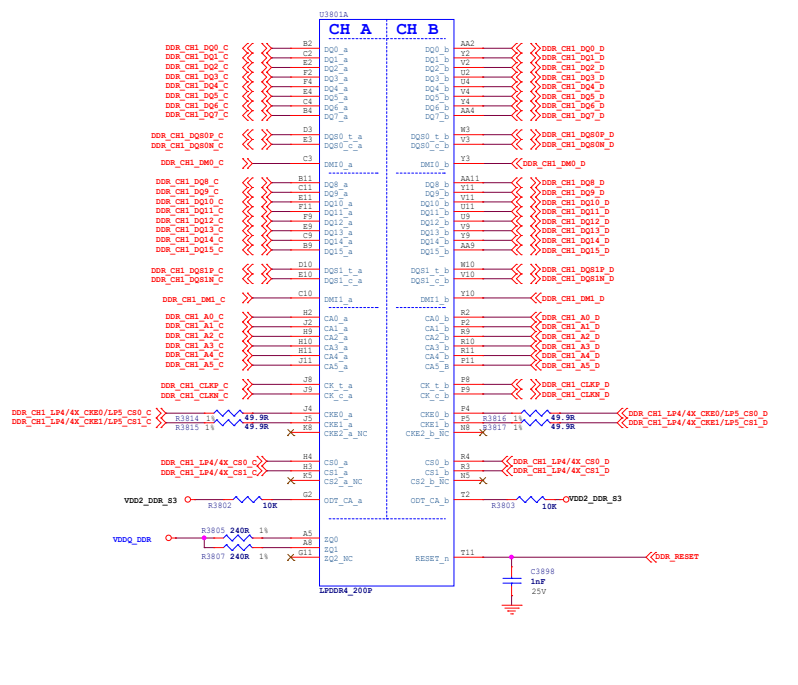
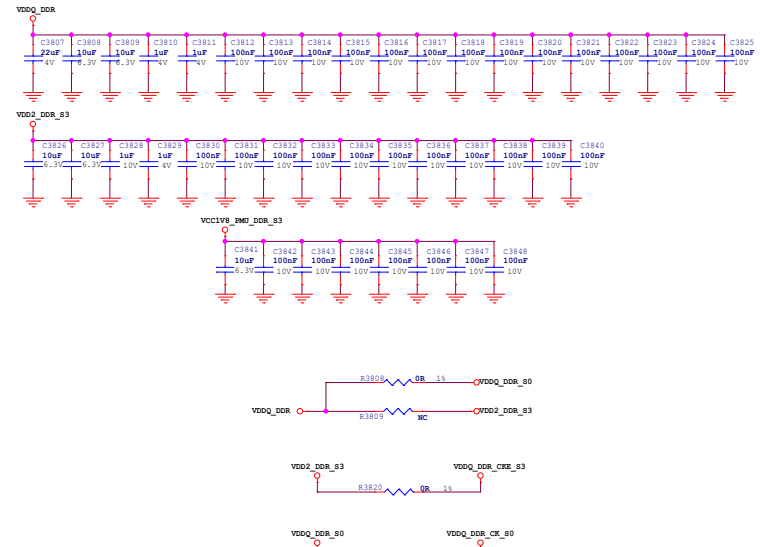
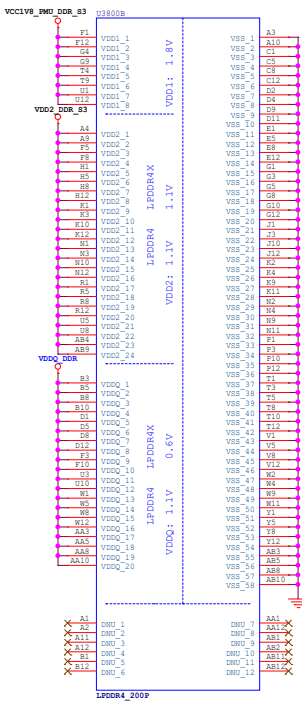
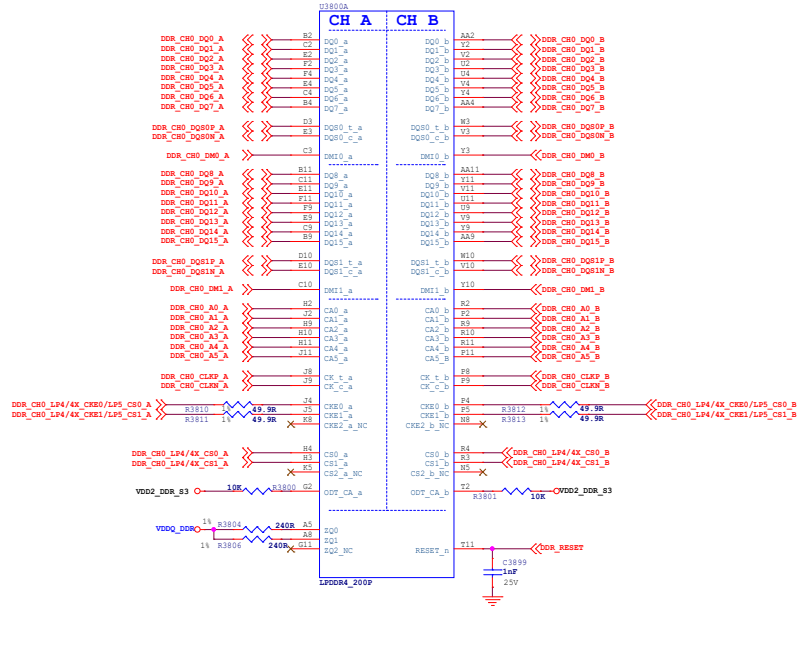
RK3588S (VCCIO6 Domain)



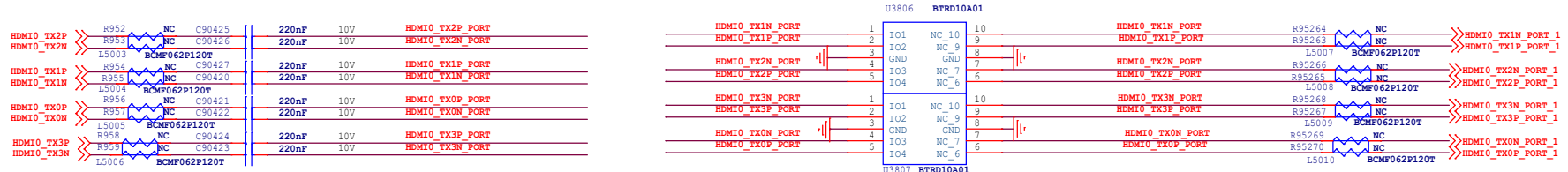
RK3588S (VCCIO5 Domain)



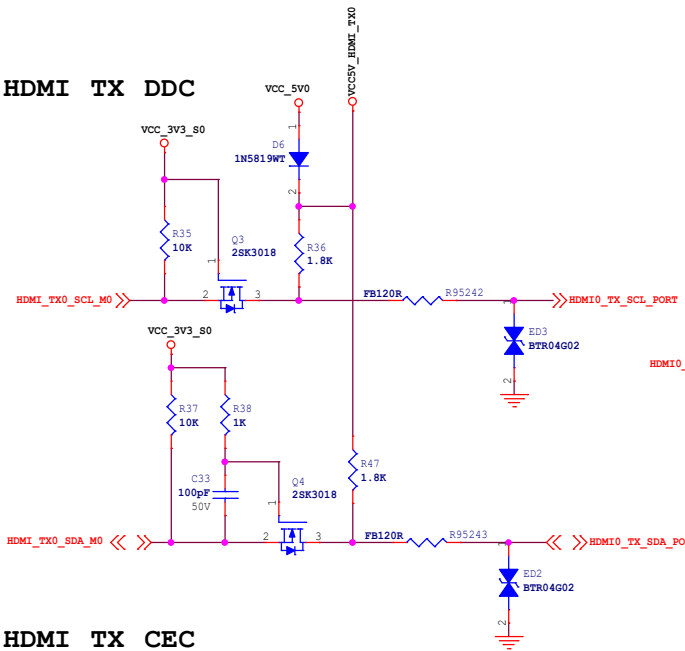
DRAM-LPDDR4/4x_2X32bit



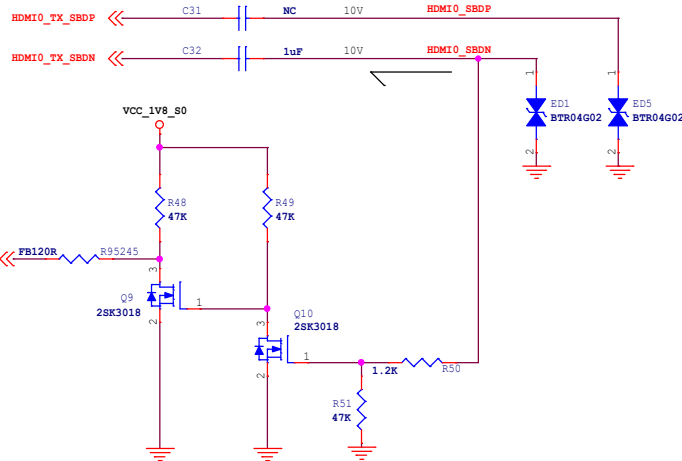
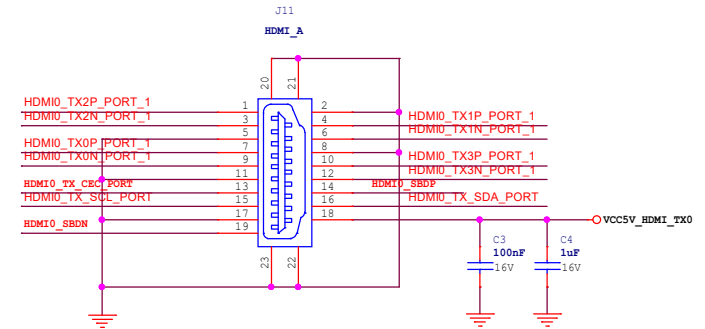
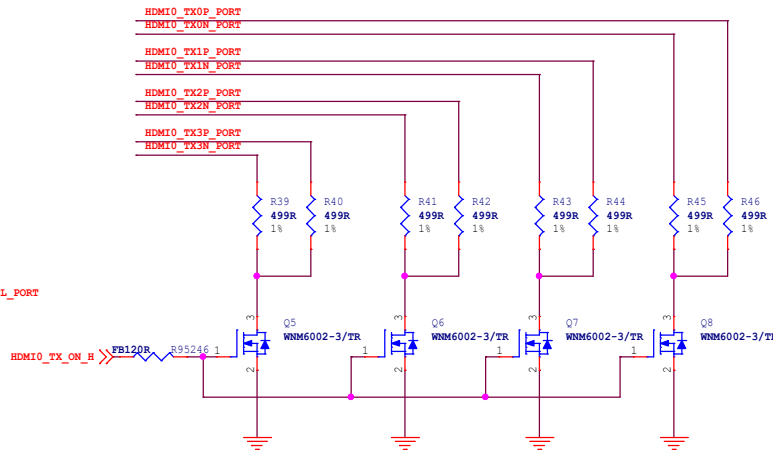
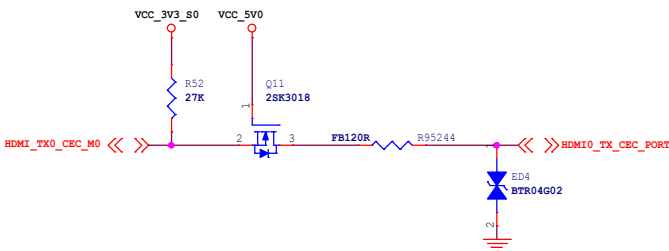
HDMI2.1 TX0



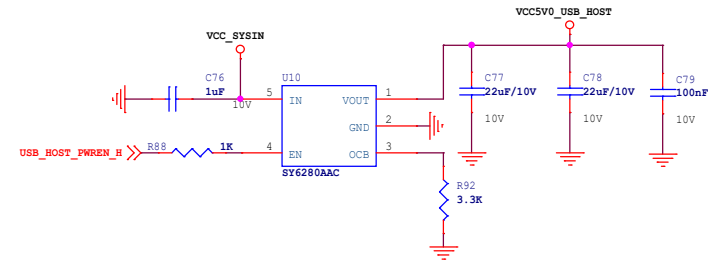
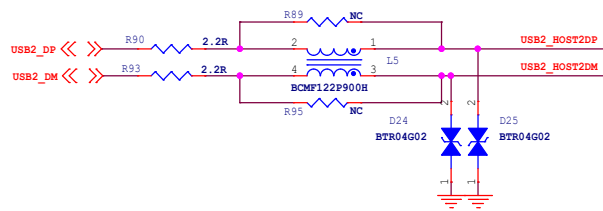
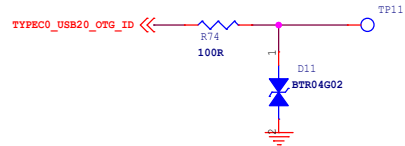
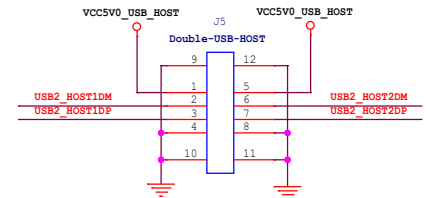
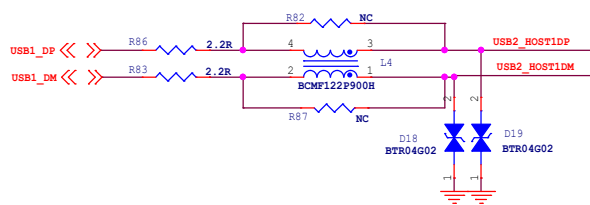
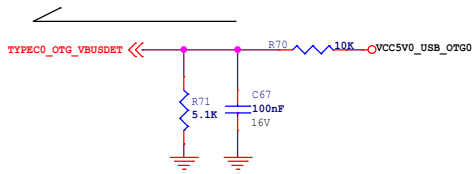
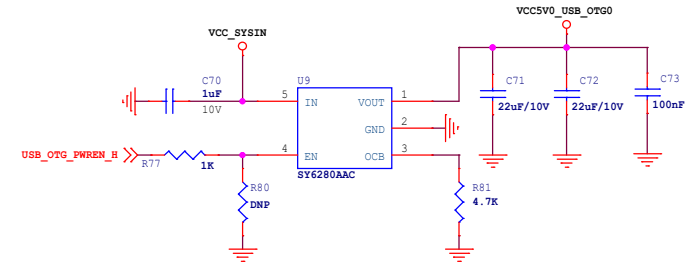
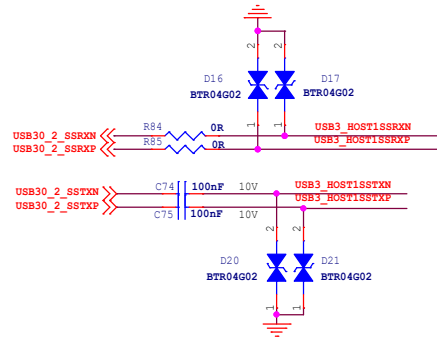
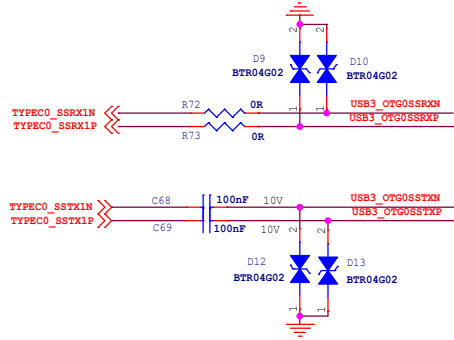
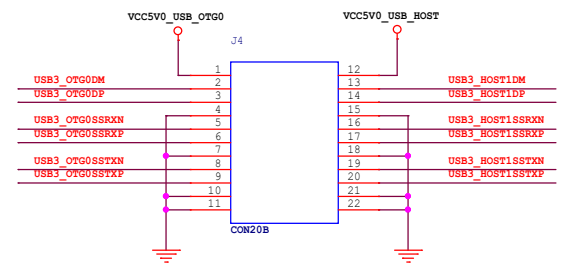
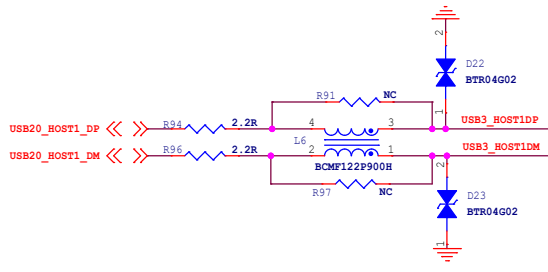
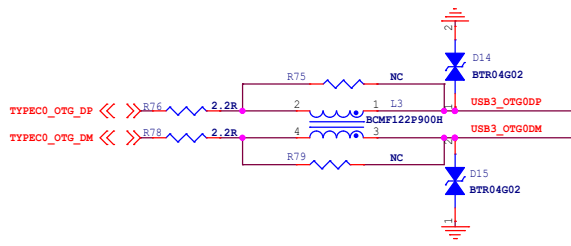
HDMI TX DDC

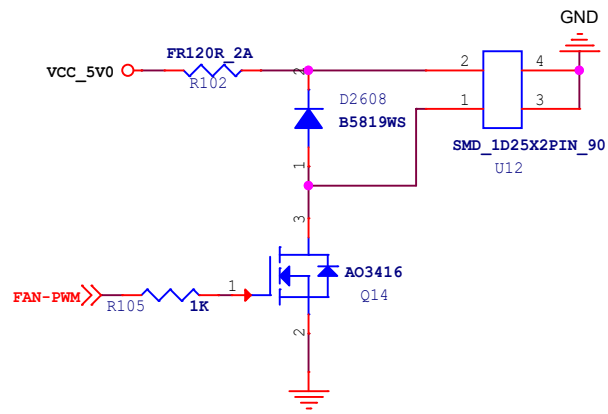
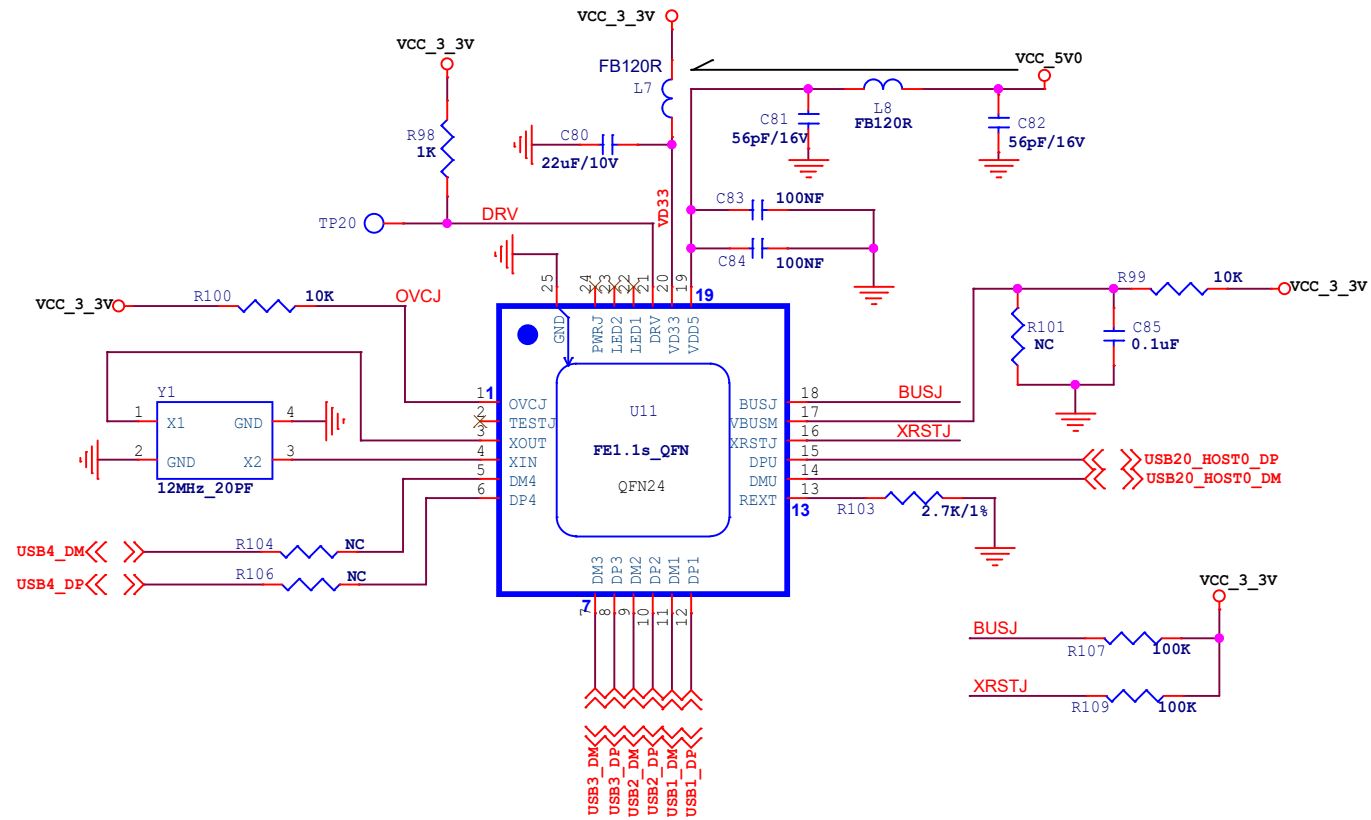


HDMI TX CEC



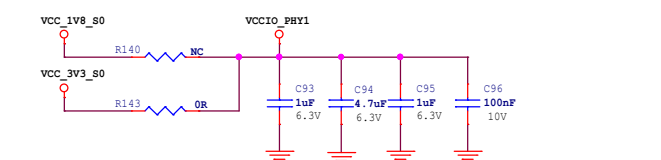
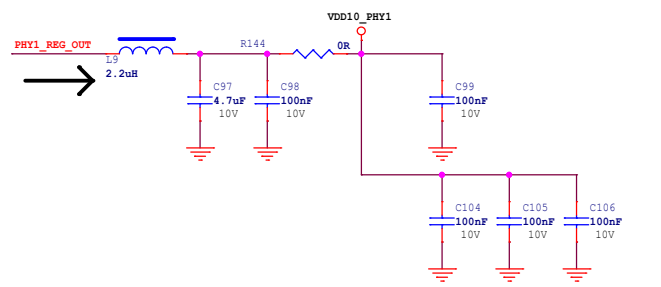
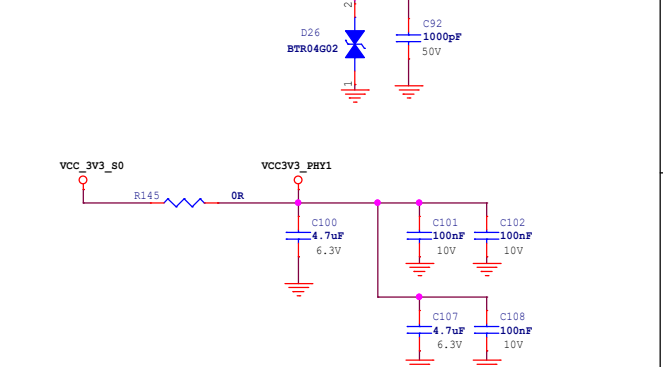
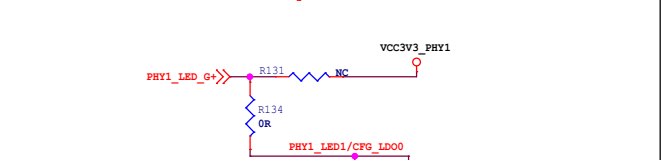
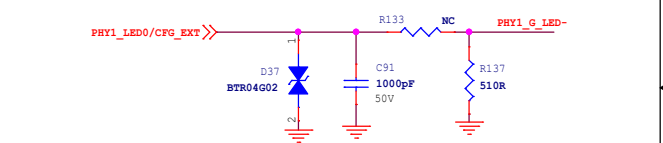
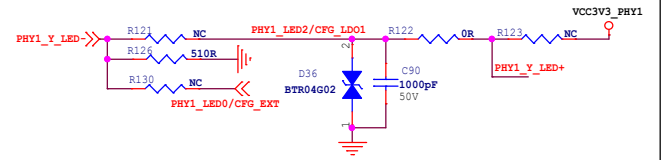
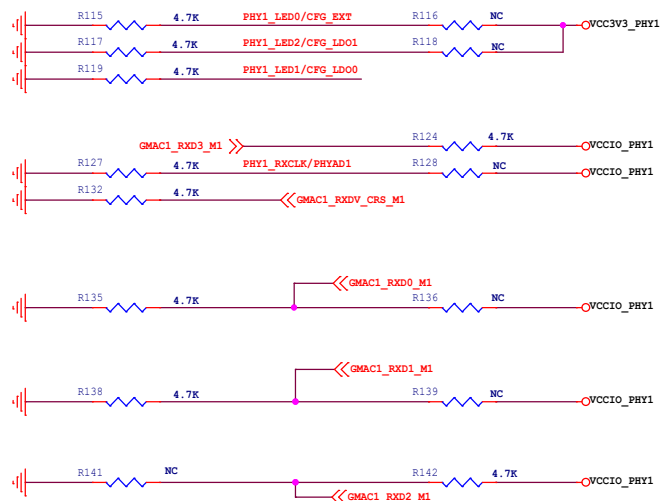
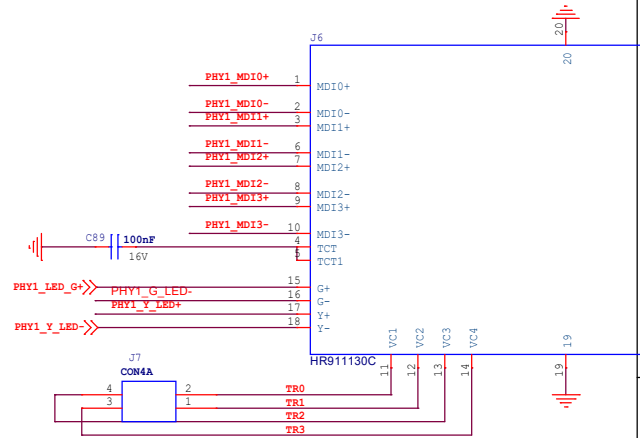
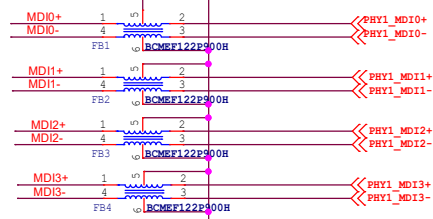
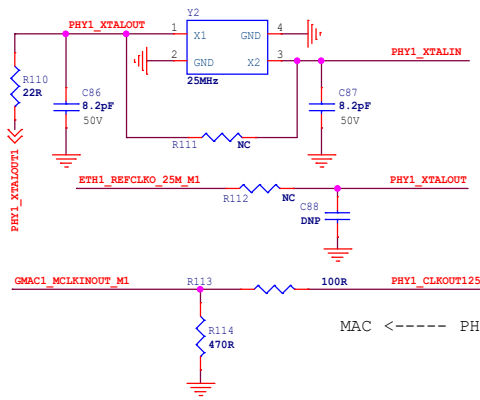
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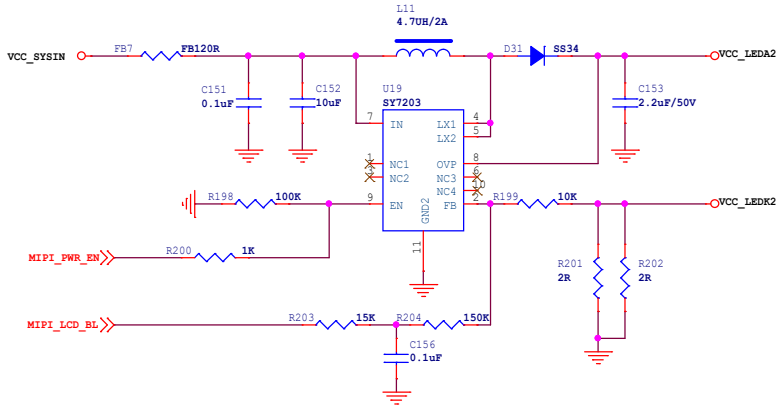
Giga PHY1

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- >>> GMAC1_TXEN_M1
- >>> GMAC1_TXCLK_M1
- >>> GMAC1_RXD0_M1
- >>> GMAC1_RXD1_M1
- >>> GMAC1_RXD2_M1
- >>> GMAC1_RXD3_M1
- >>> GMAC1_RXDV_CRS_M1
- >>> GMAC1_RXCLK_M1
- >>> ETH1_REFCLKO_25M_M1
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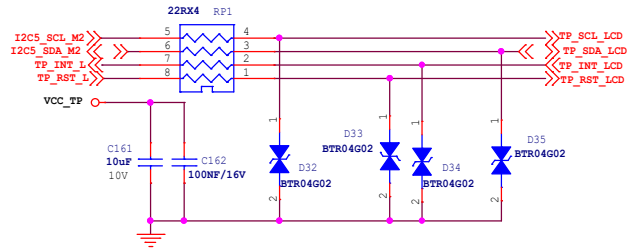


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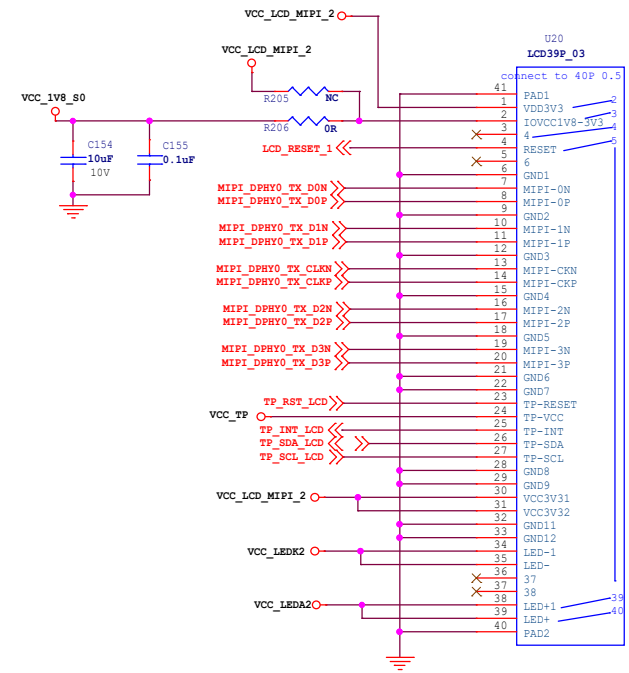
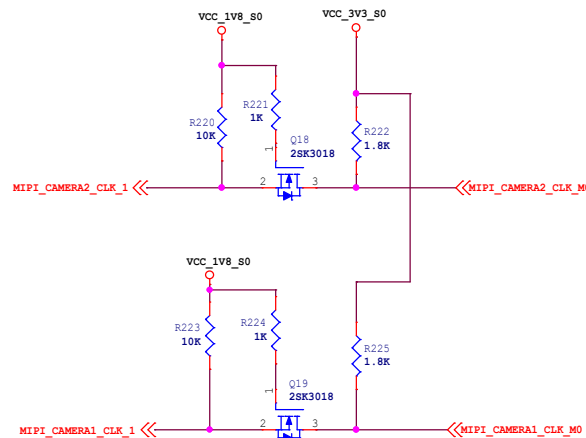
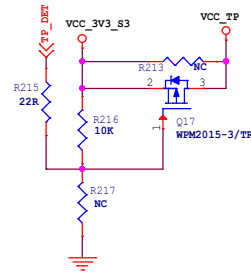
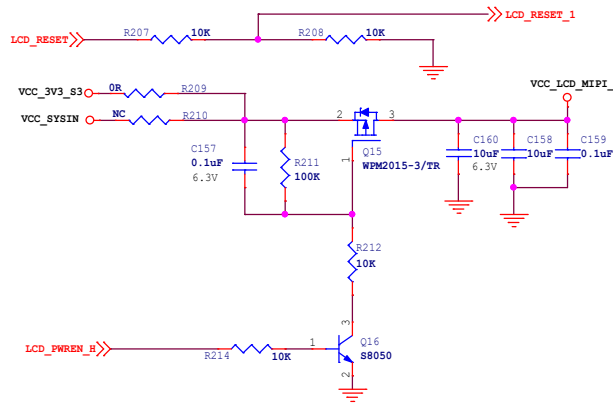
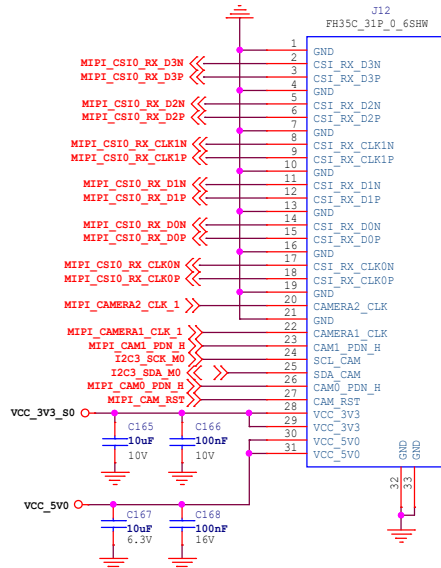
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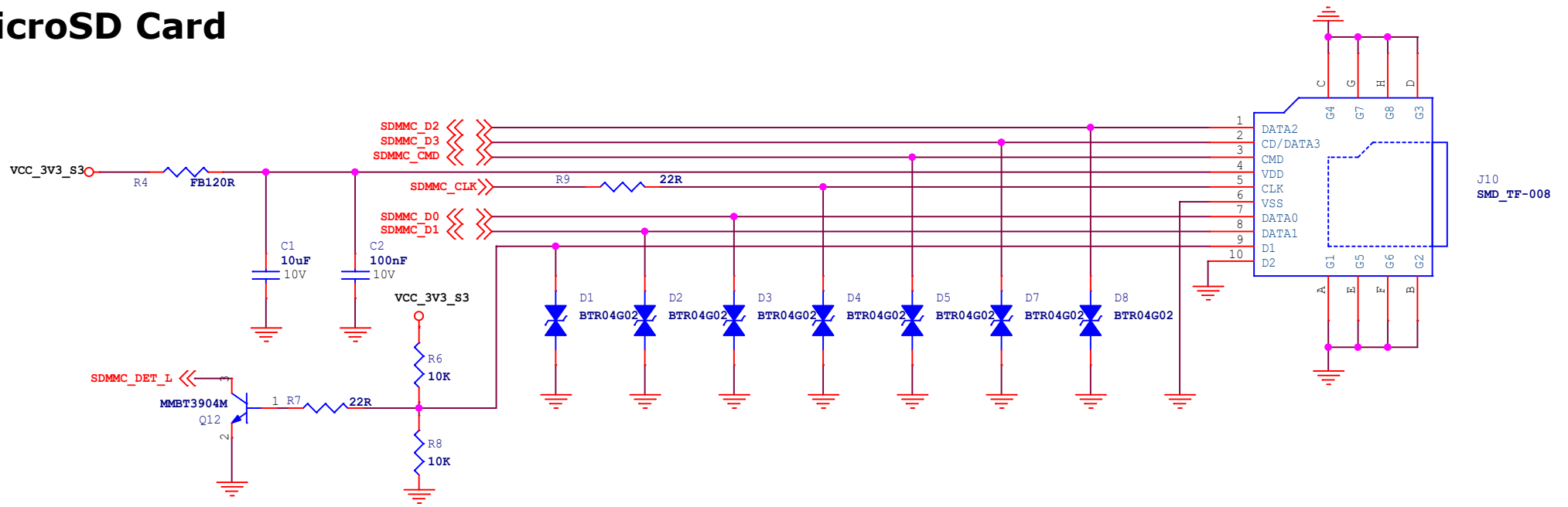
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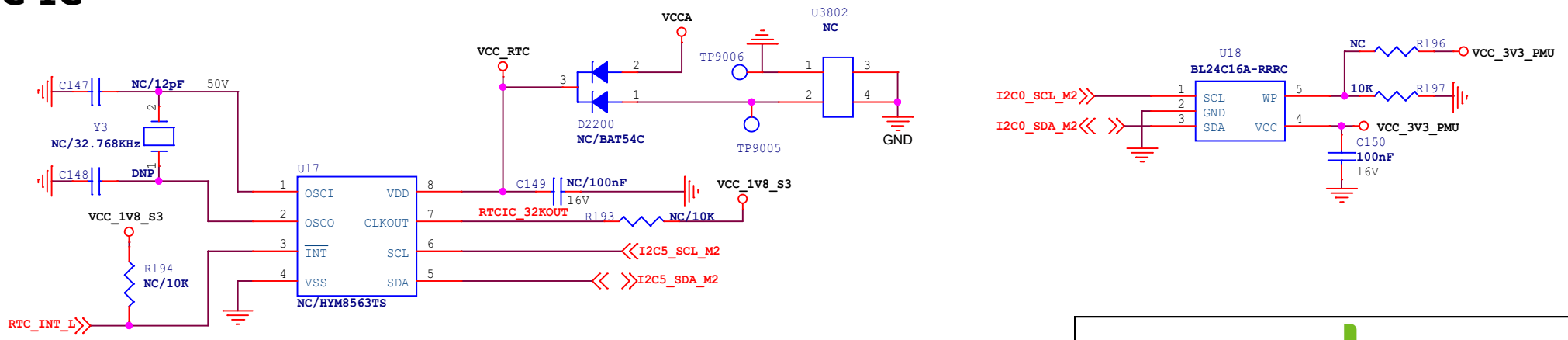
MIPI_RX



MicroSD Card

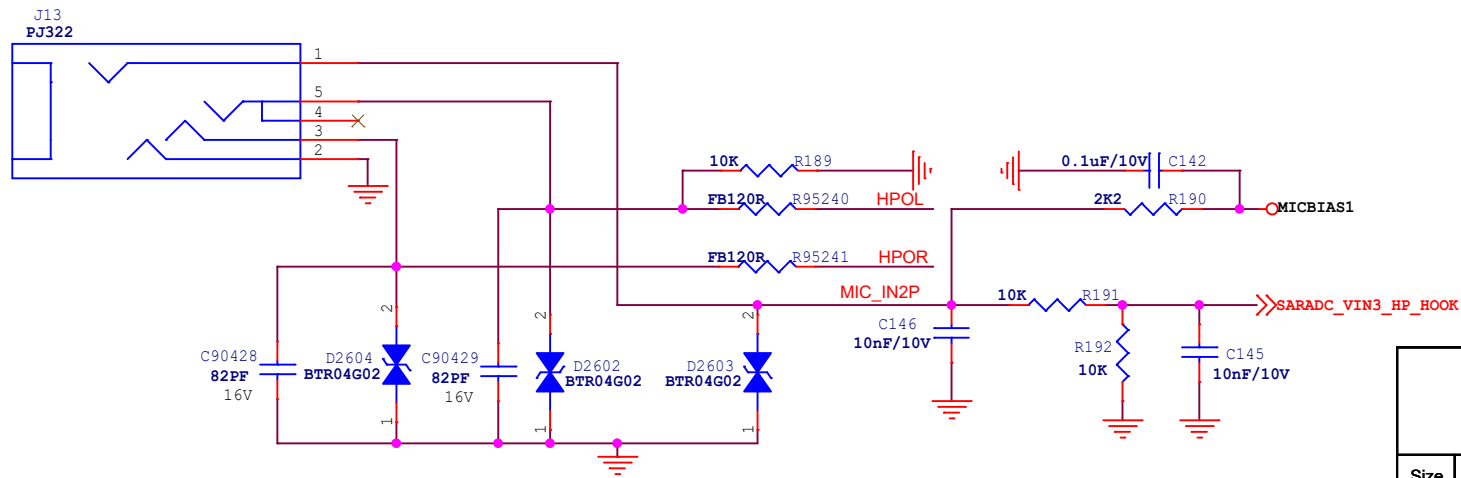
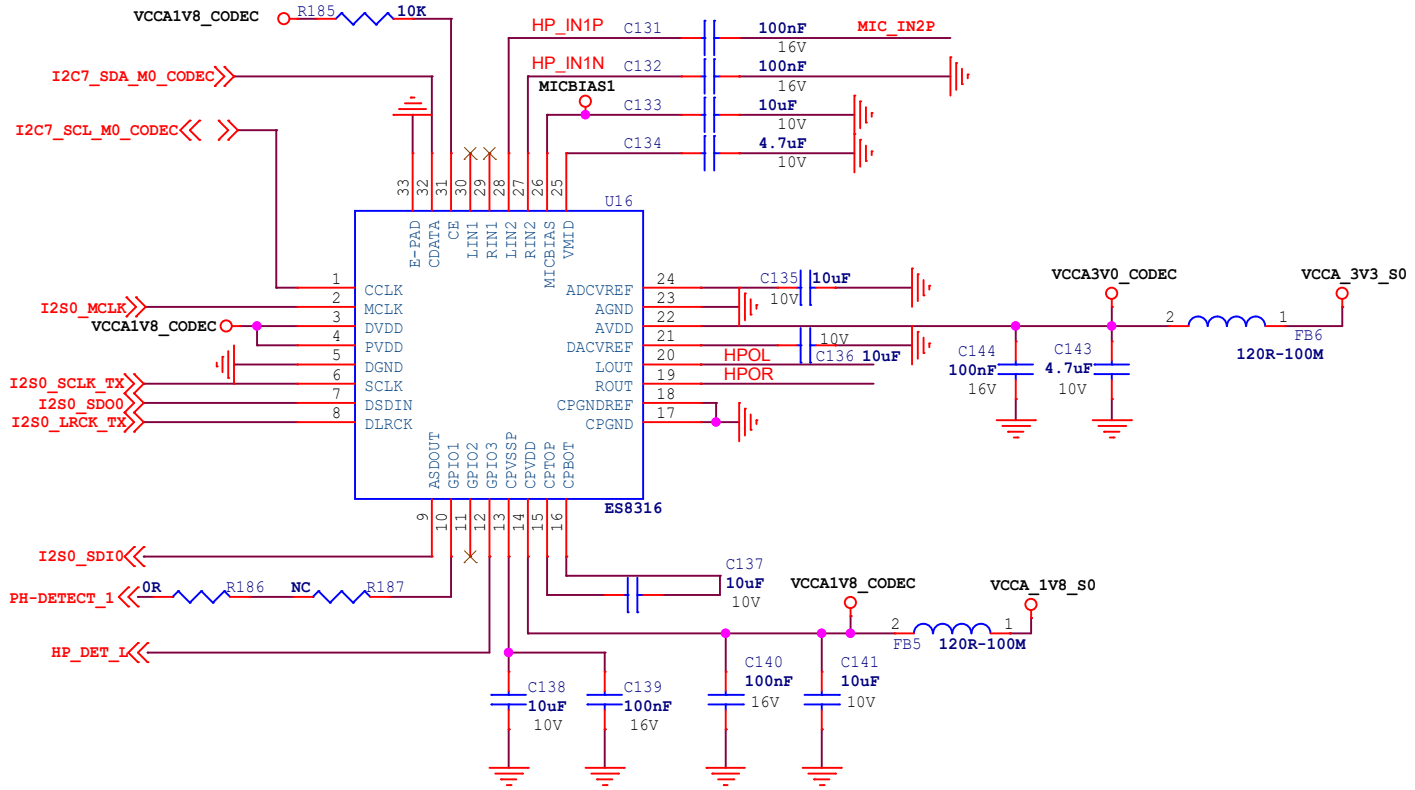


RTC IC

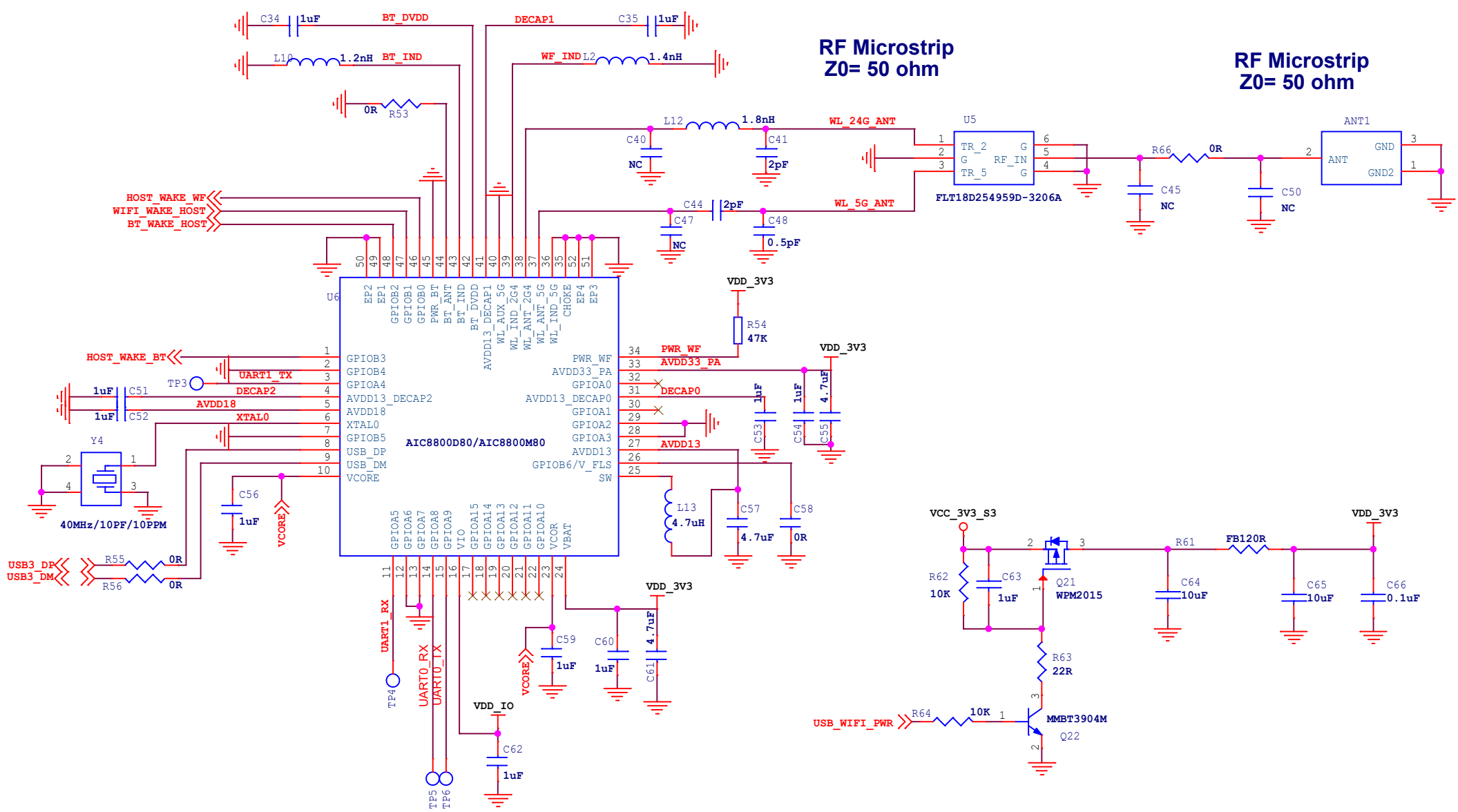


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CODEC ES8316

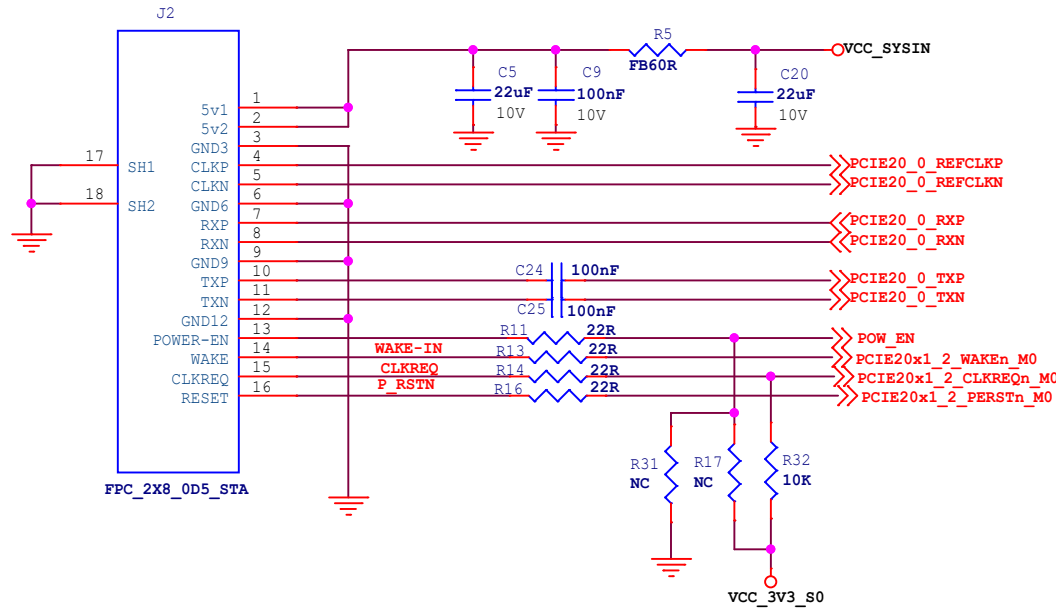


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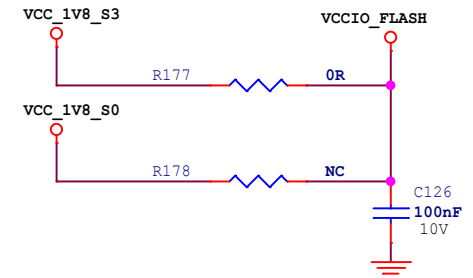
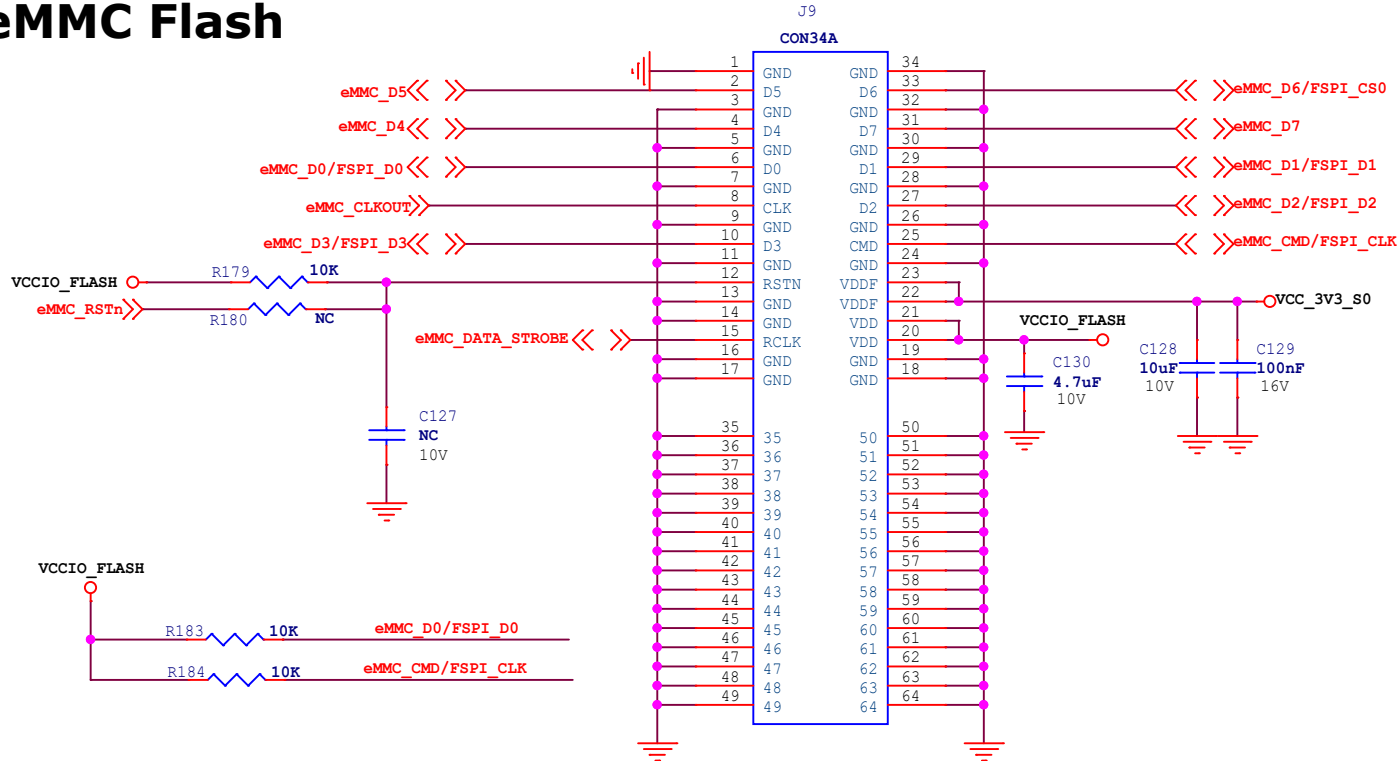


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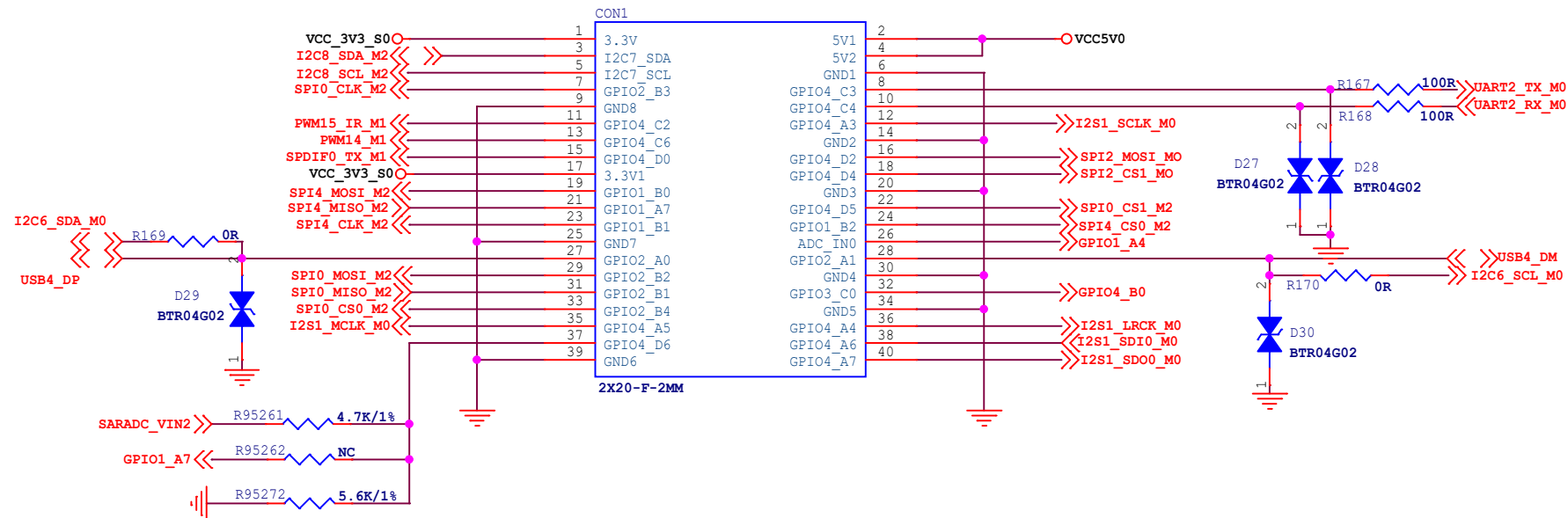
PCIE



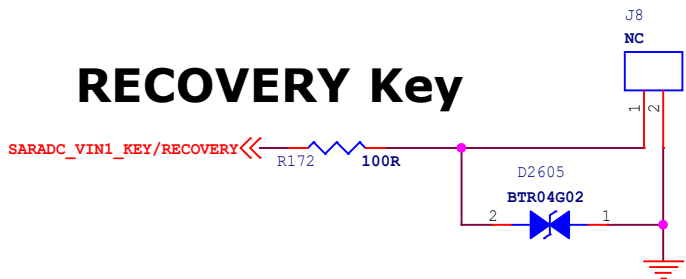
eMMC Flash



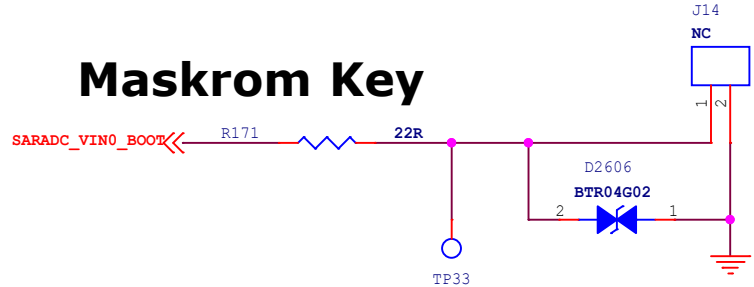
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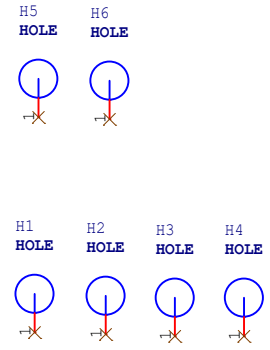
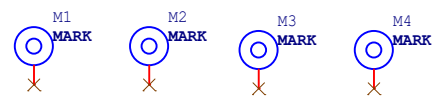
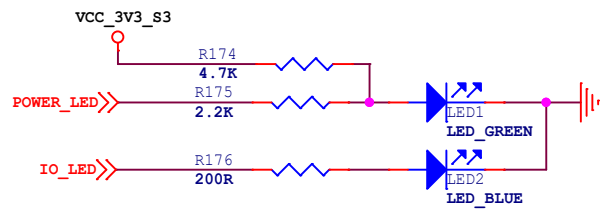
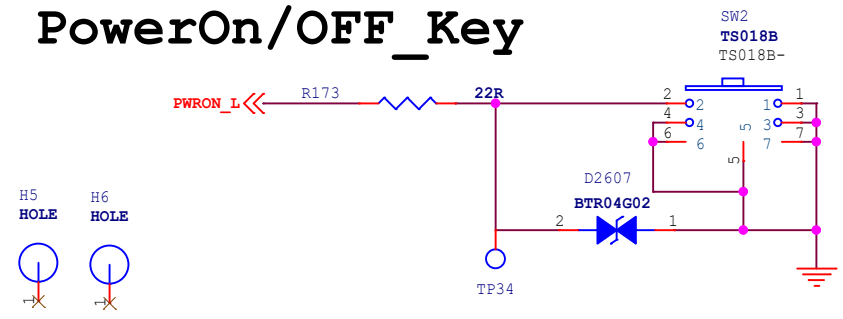
RECOVERY Key




Maskrom Key



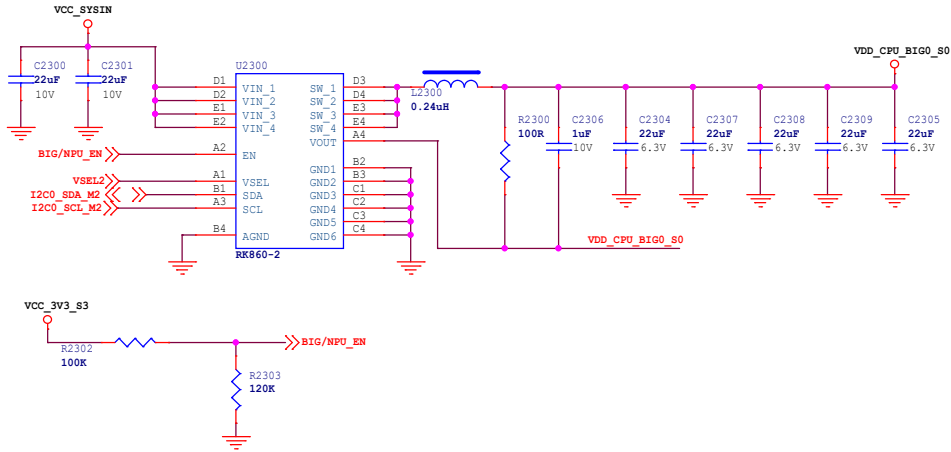
PowerOn/OFF_Key



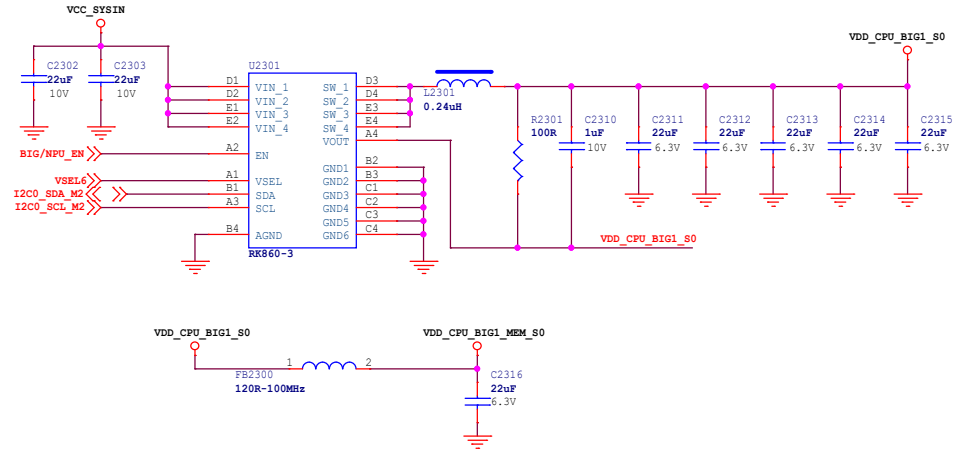


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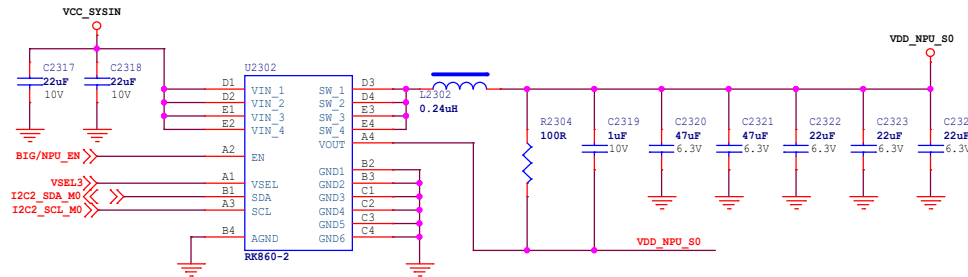
VDD_CPU_BIG0



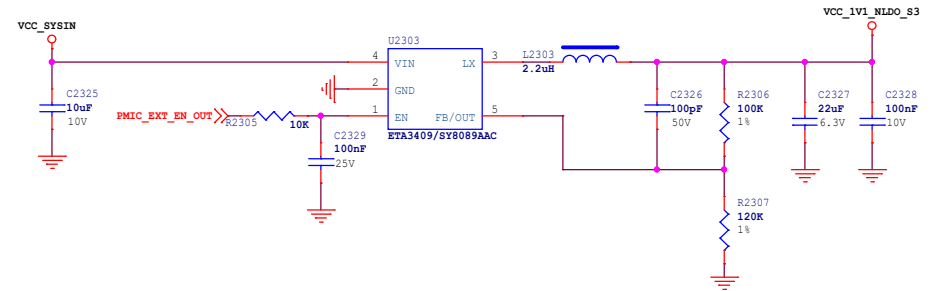
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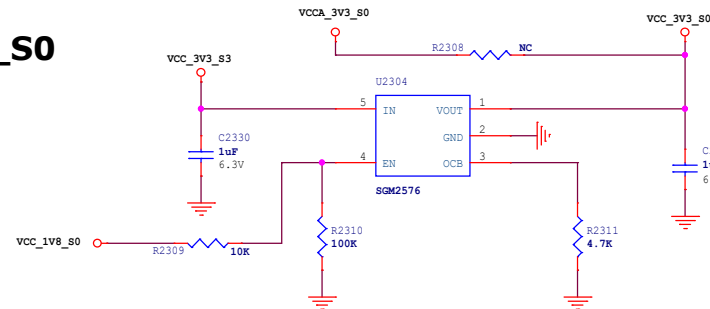
VDD_NPU



VCC_1V1_NLDO



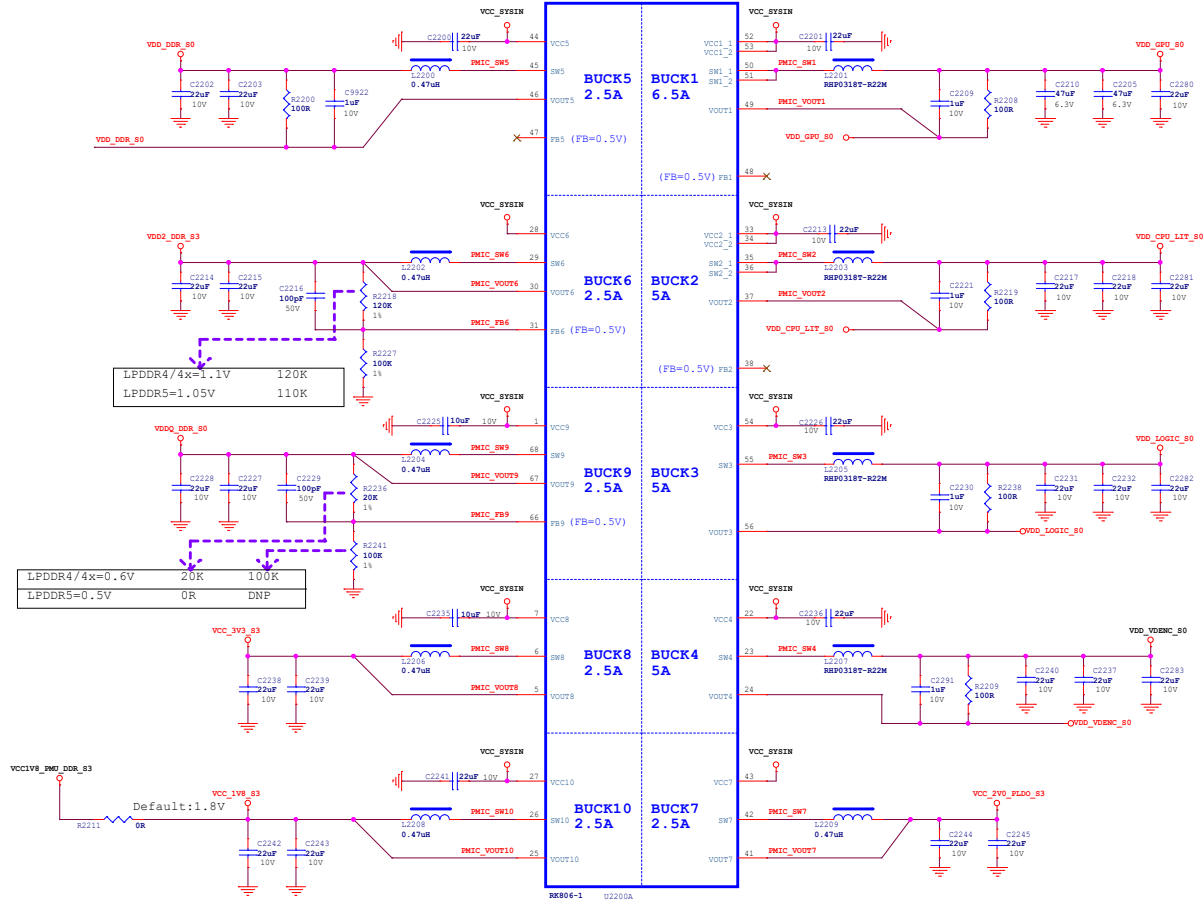
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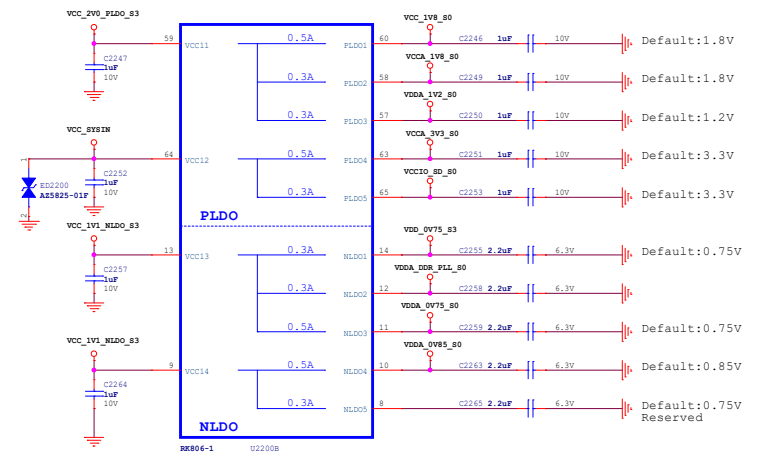
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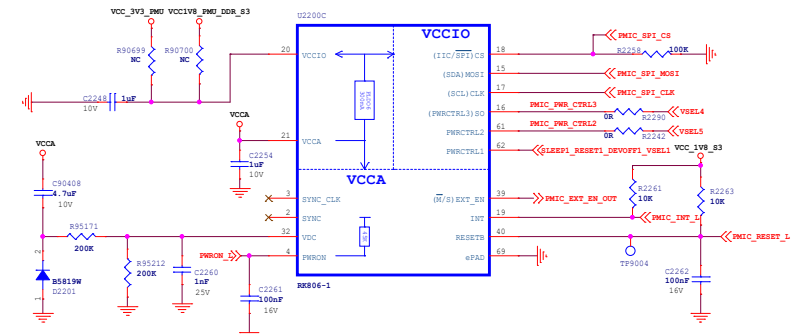
PMIC RK806-1 BUCK



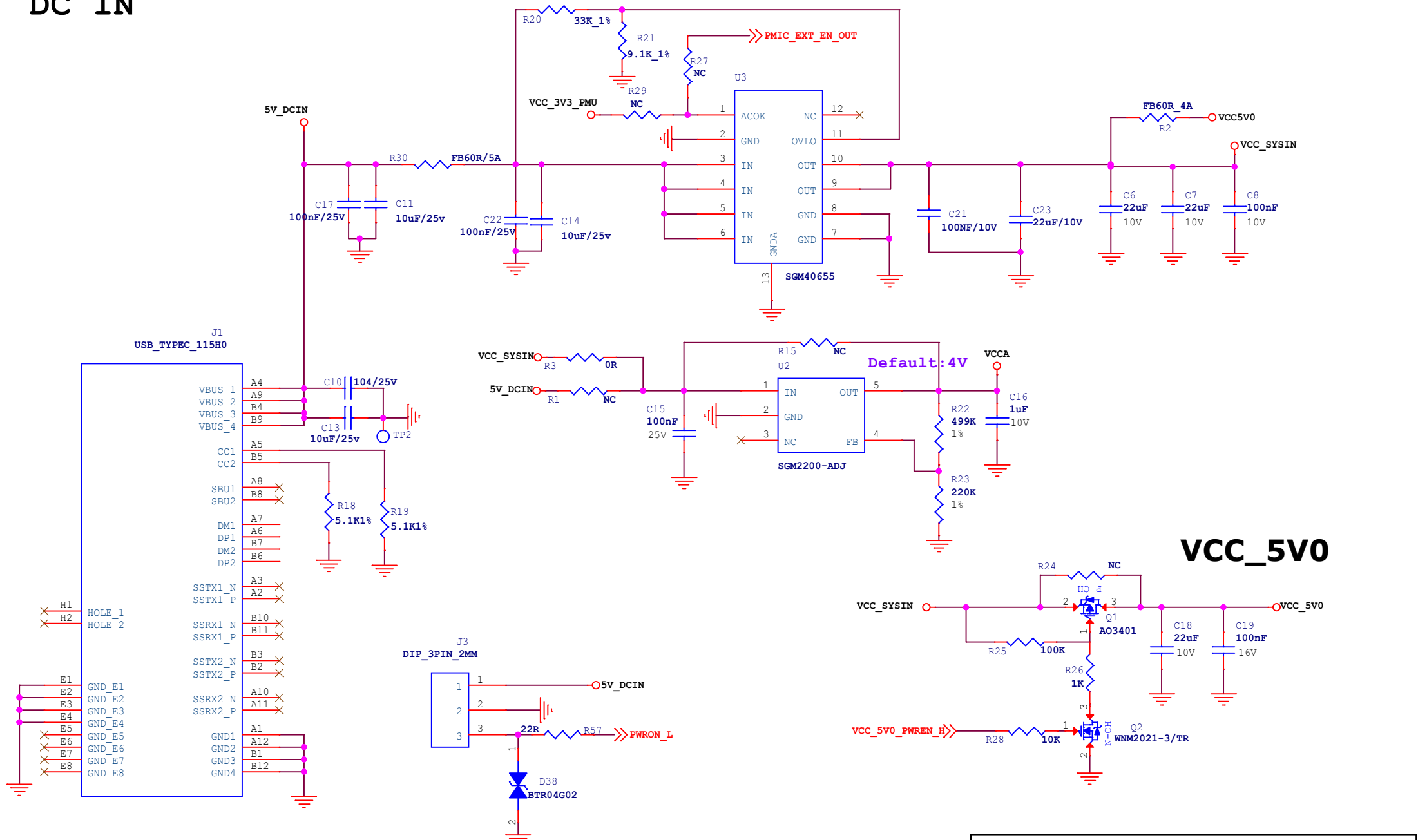
PMIC RK806-1 LDO



PMIC RK806-1 Management



DC IN



VCC_5V0



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