



Radxa NX4

schematic

V1.11



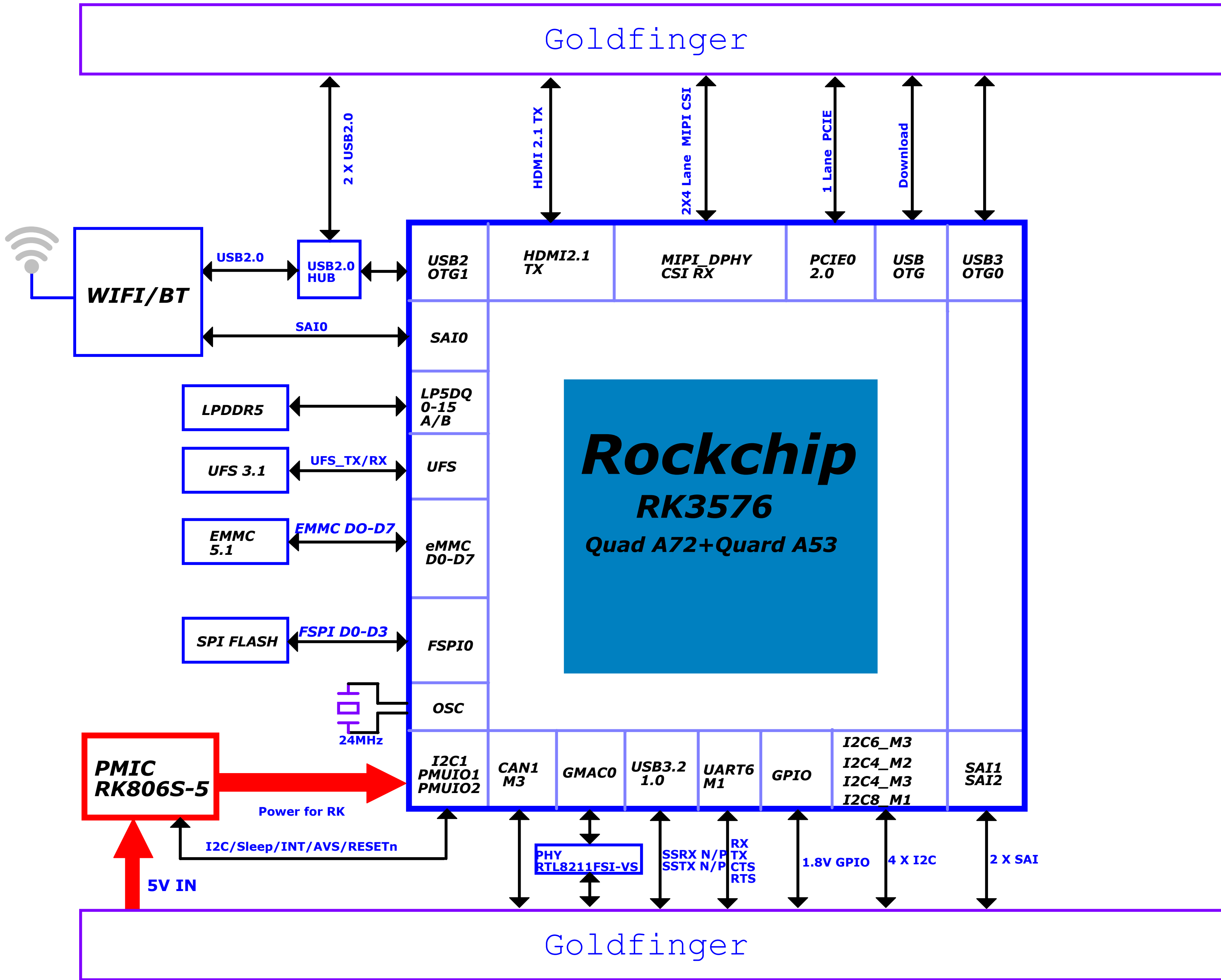
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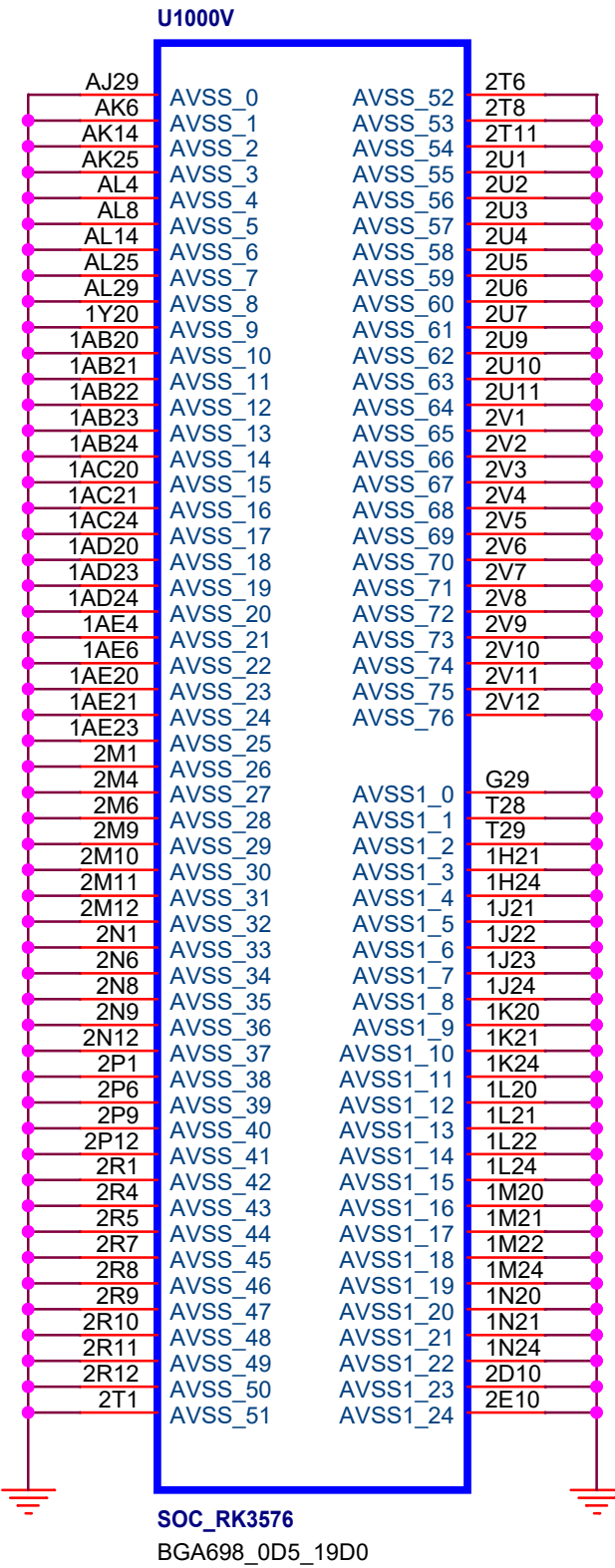
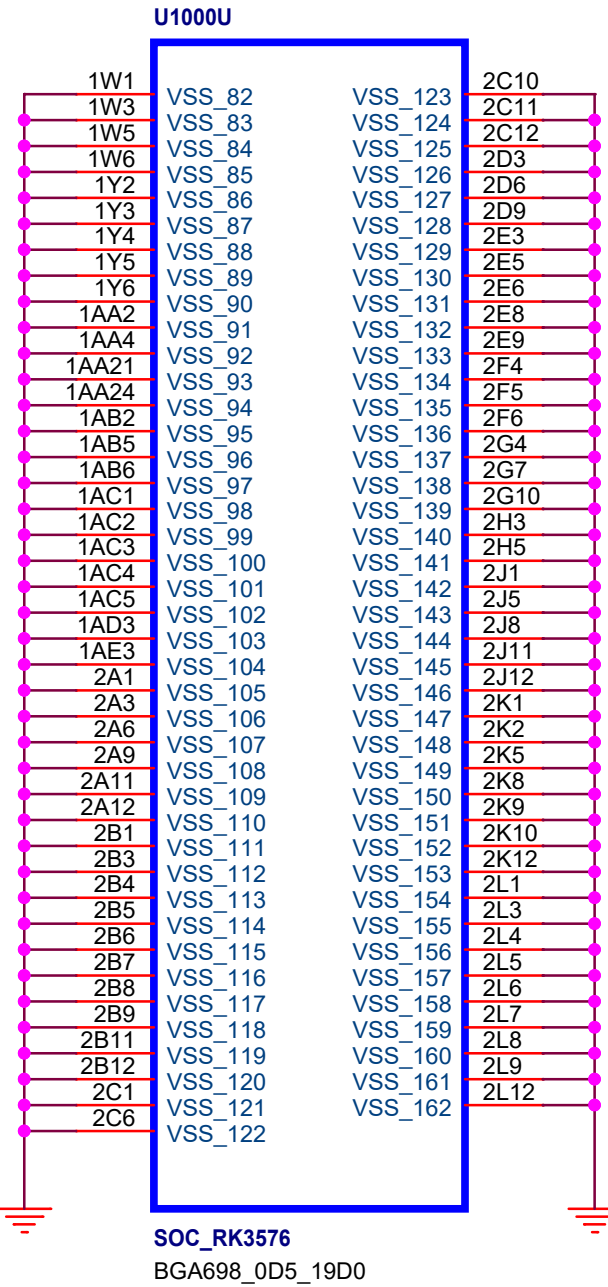
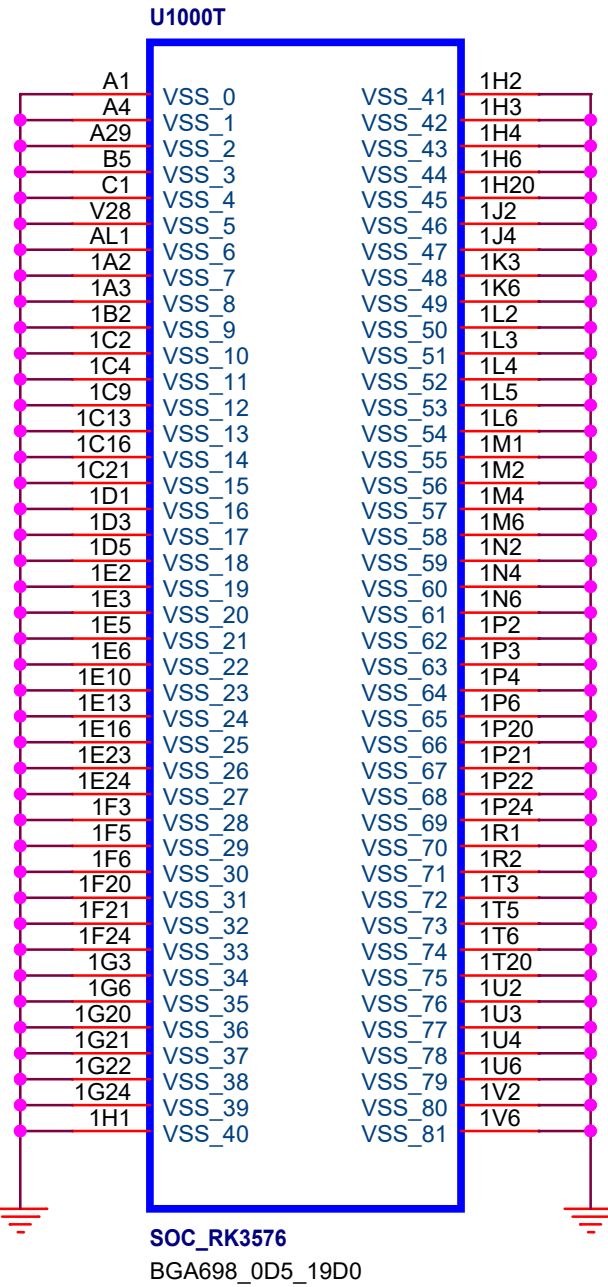
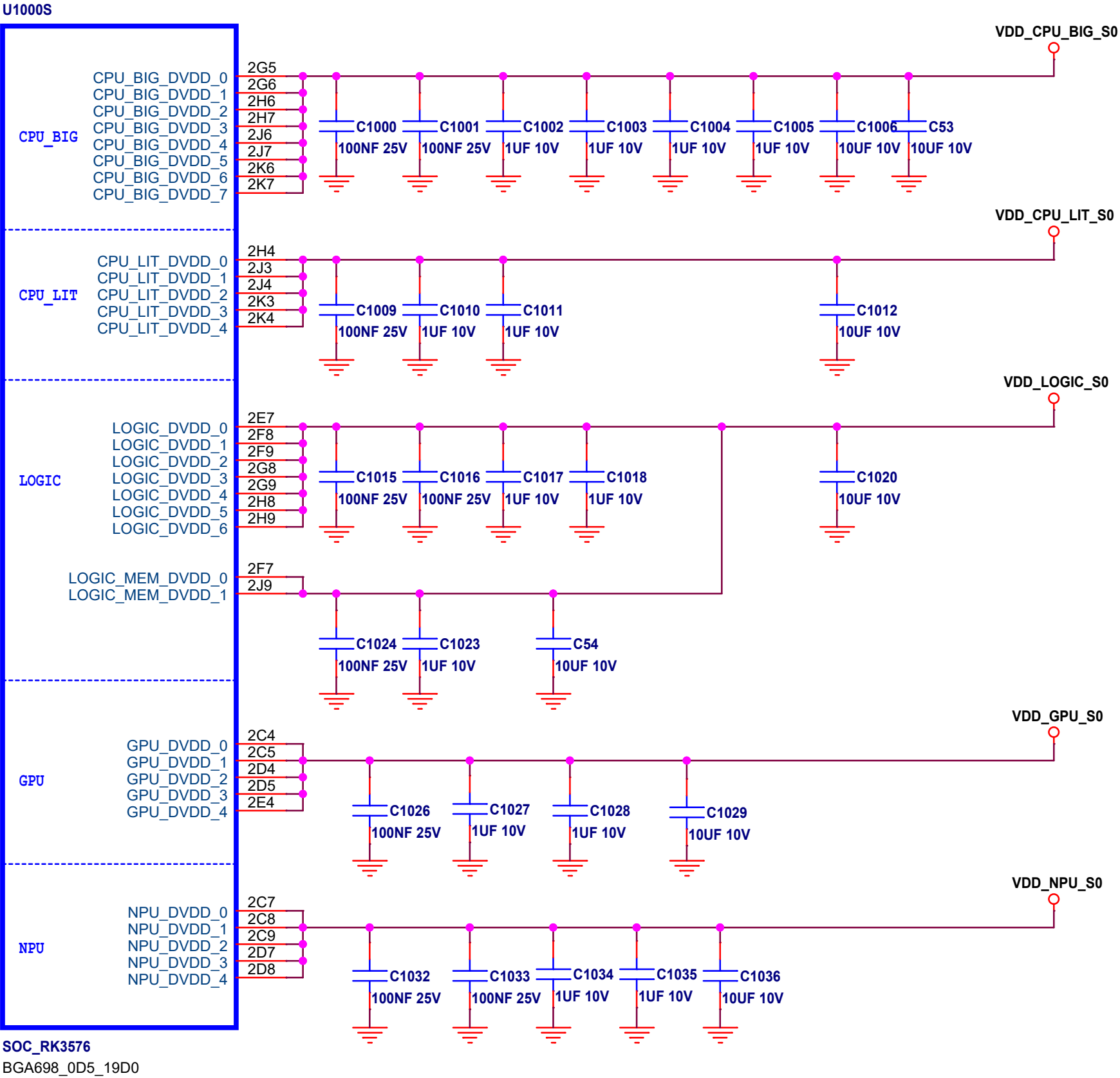
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Block Diagram

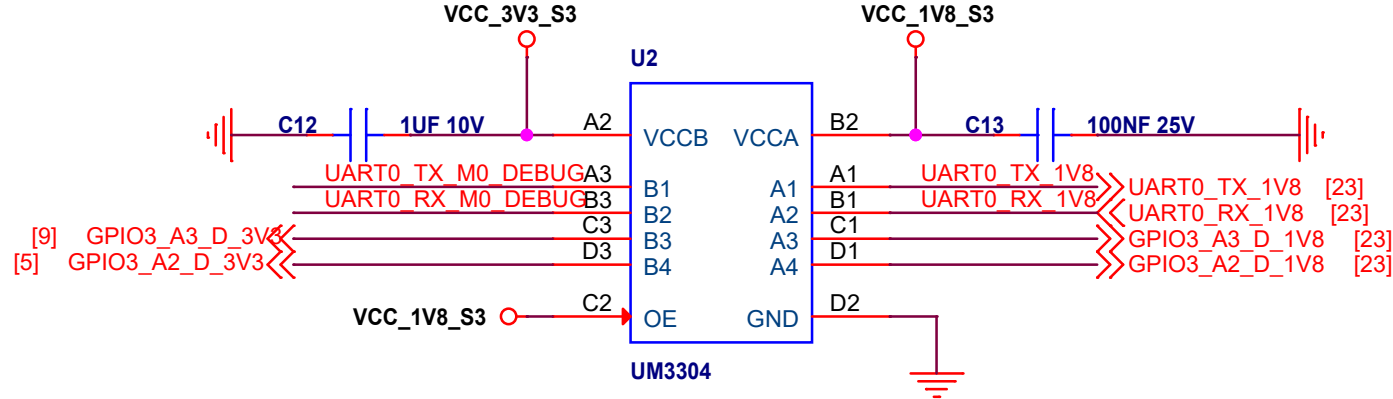
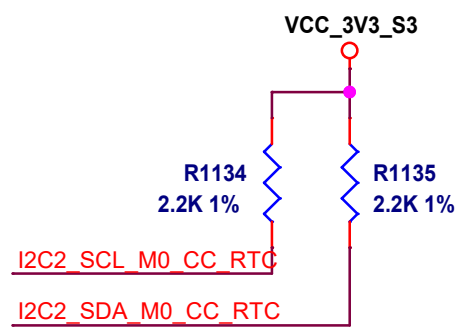
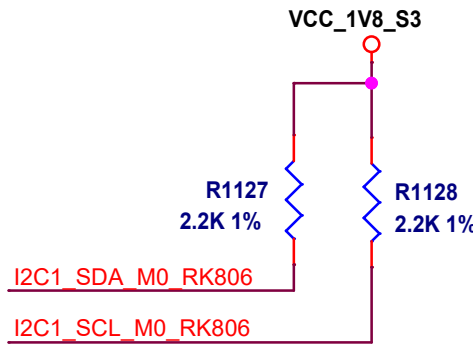
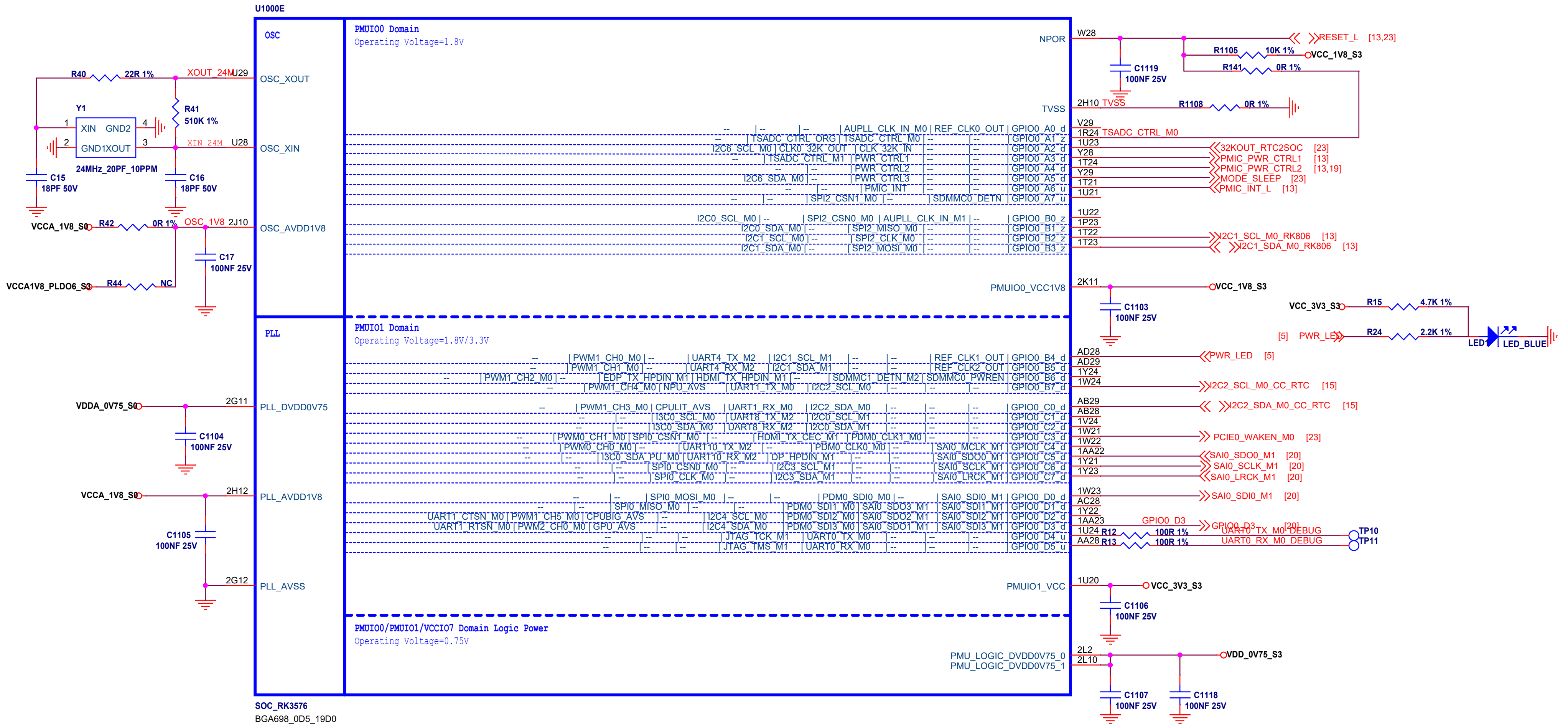


RK3576_S (Power)

RK3576_T/U/V (GND)



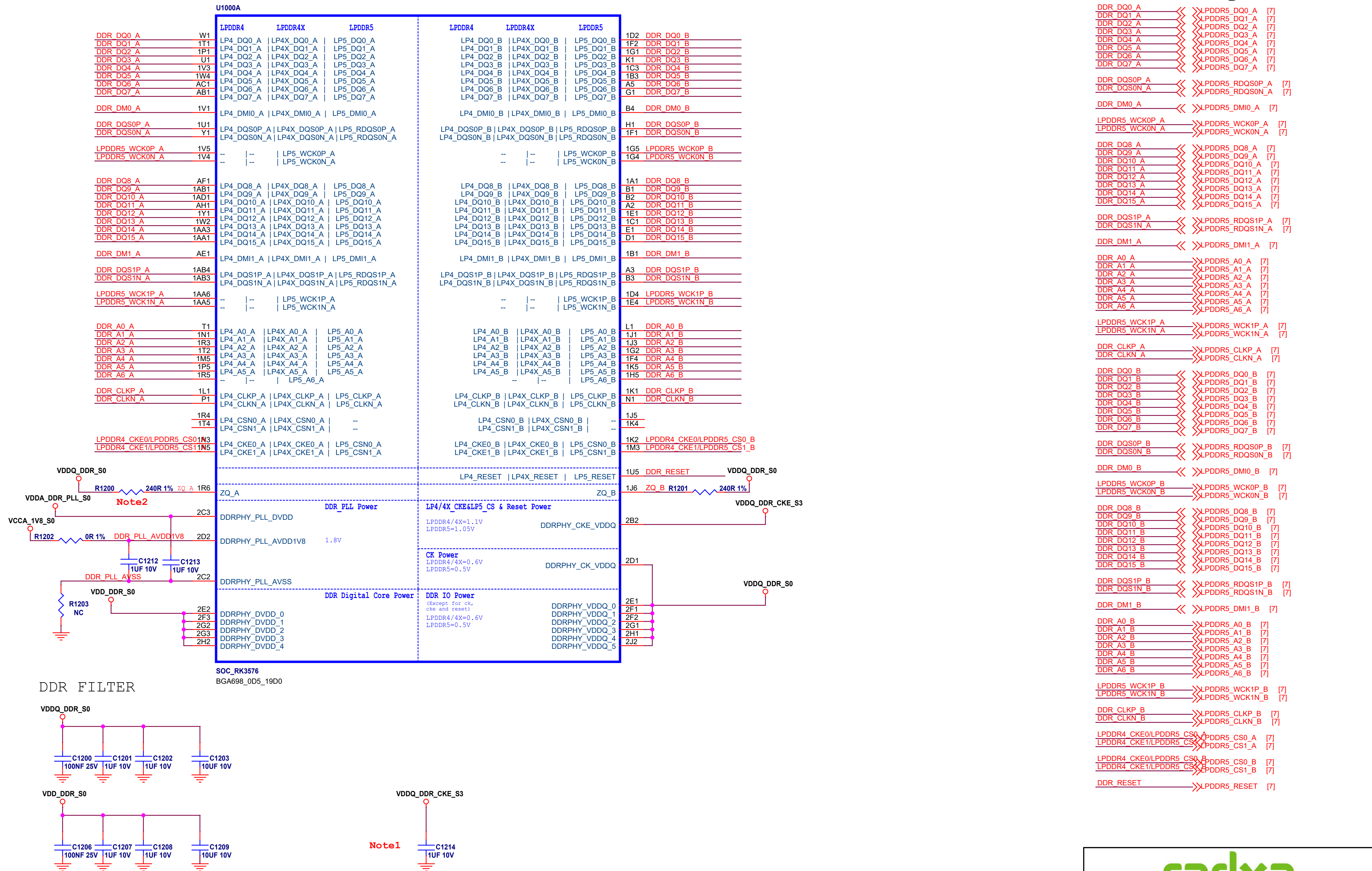
RK3576 E
(PMUIO0/1)



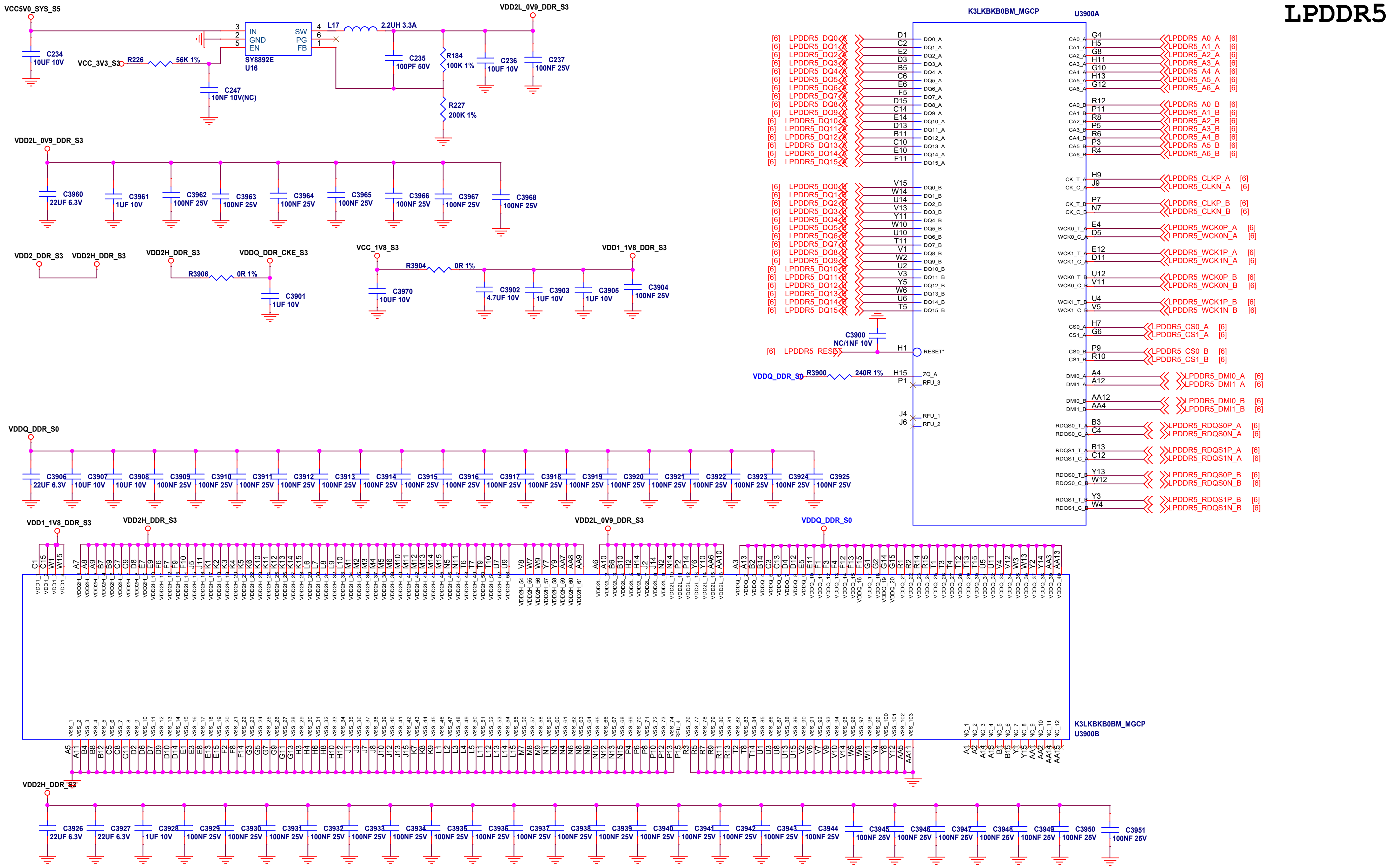
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RK3576_A (DDRPHY)

LPDDR5 Signal



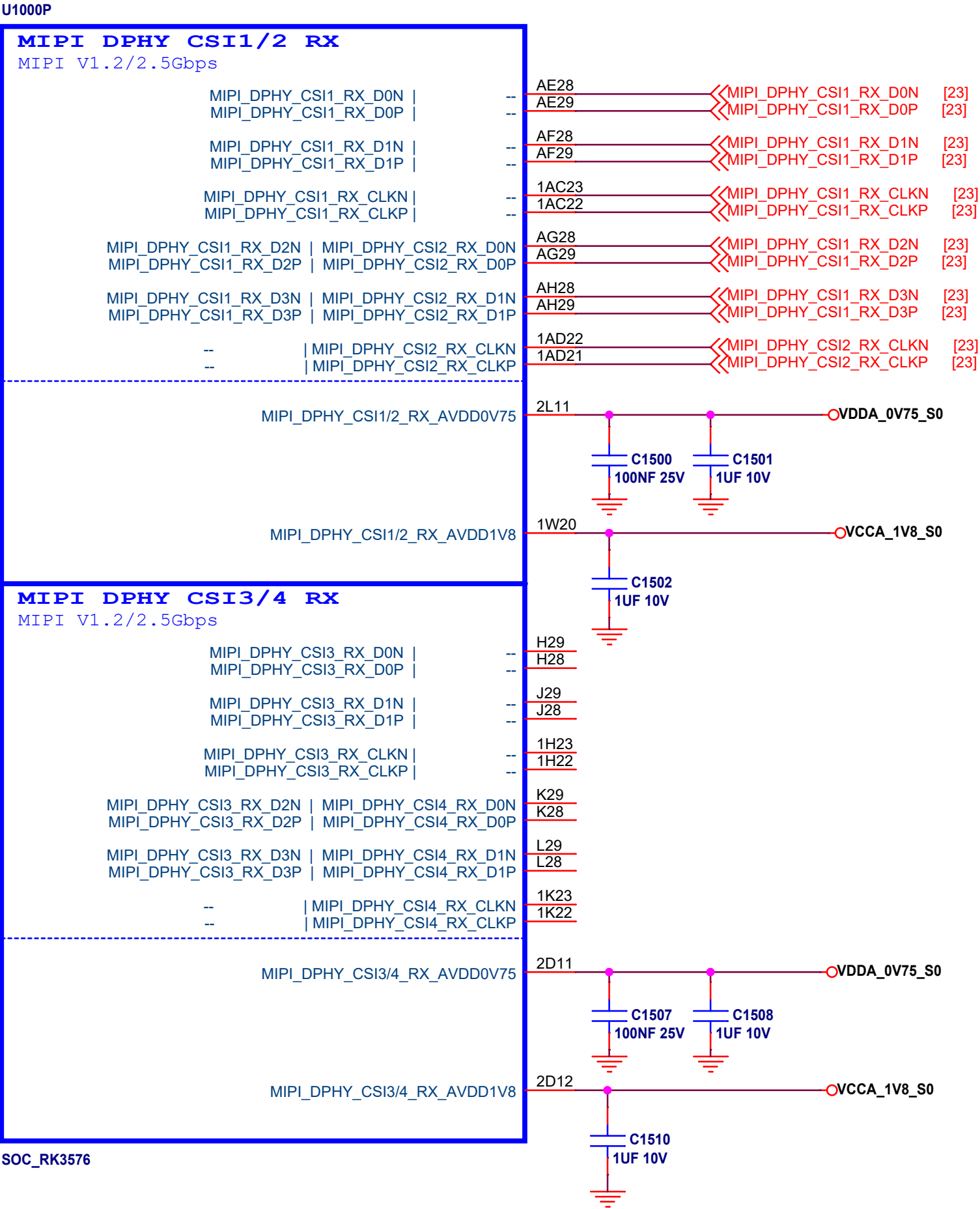
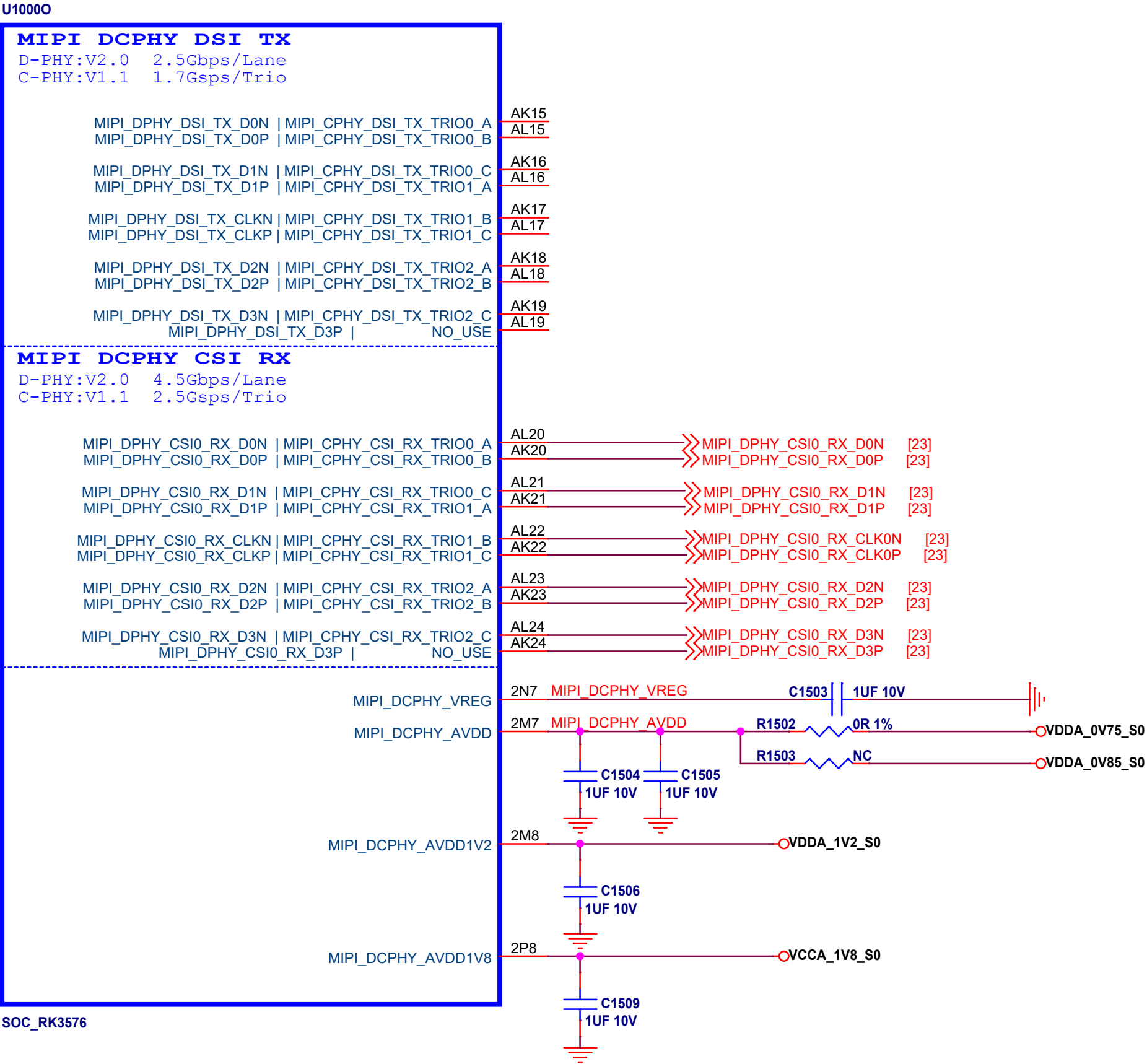
LPDDR5



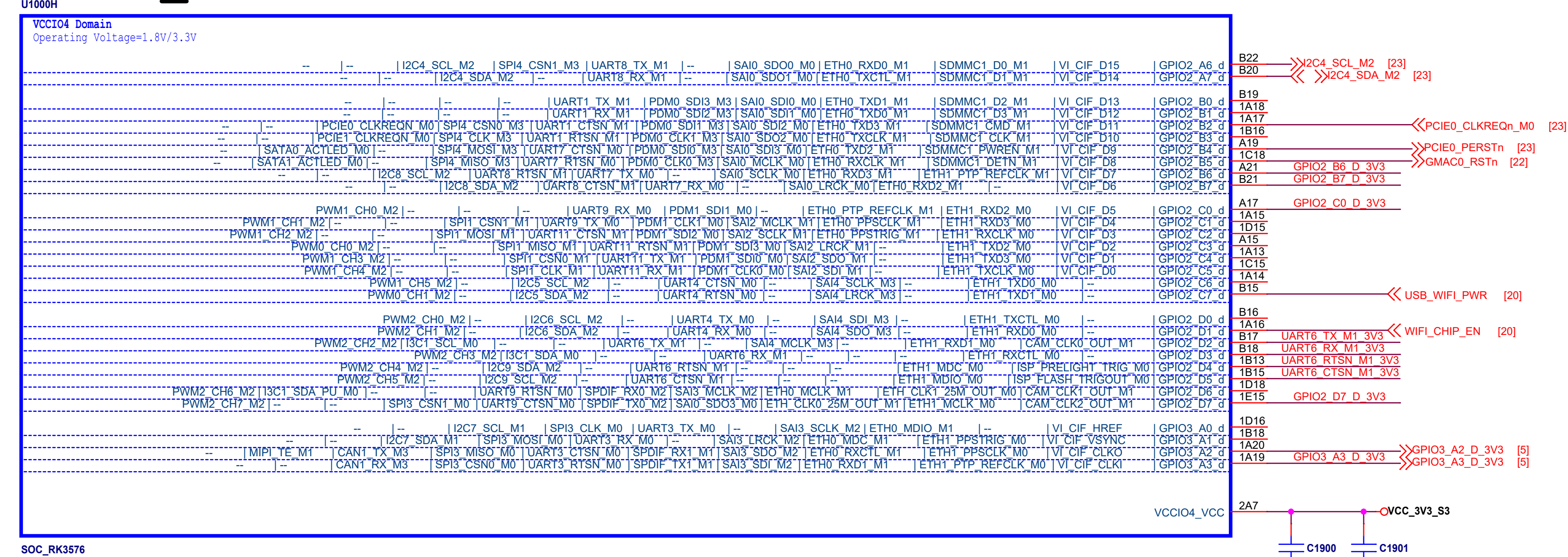
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RK3576_O (MIPI DCPHY)

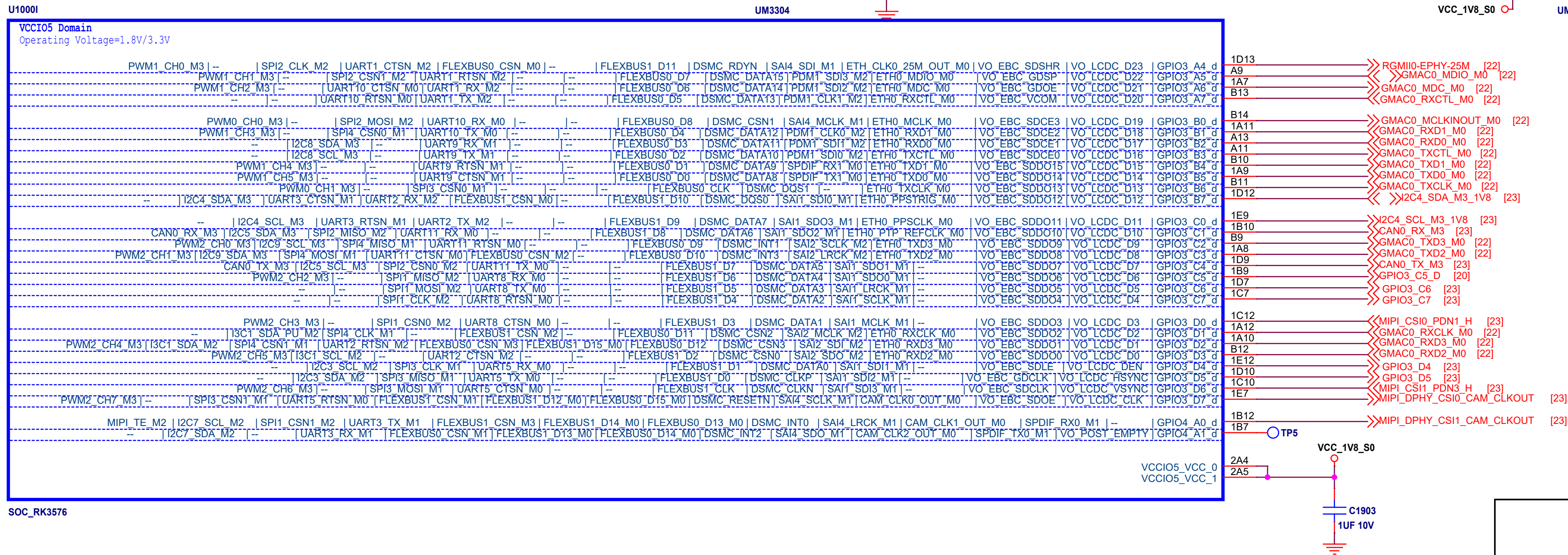
RK3576_P (MIPI DPHY CSI RX)



RK3576_H (VCCIO4)



RK3576_I (VCCIO5)



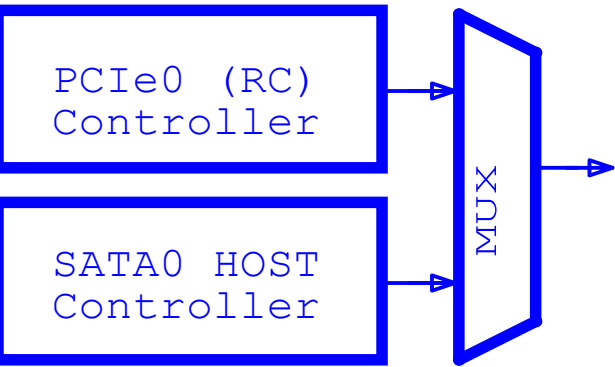
radxa

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RK3576_N (PCIe/SATA/USB3)

U1000N

PCIe0/SATA0 Combo PHY0

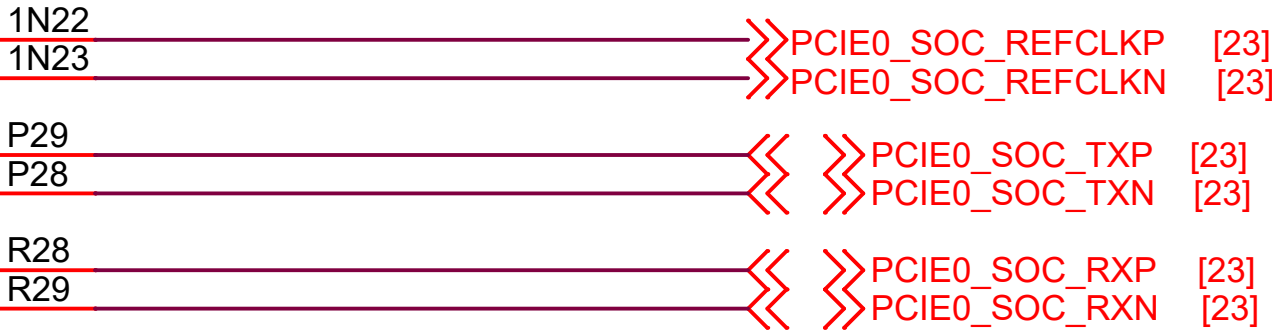


PCIe0:Gen1/Gen2
SATA0:Gen1/Gen2/Gen3

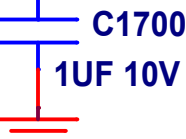
PCIe0_REFCLKP | --
PCIe0_REFCLKN | --

PCIe0_TXP | SATA0_TXP
PCIe0_TXN | SATA0_TXN

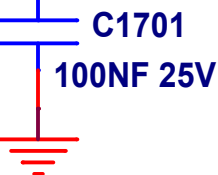
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PCIe0_RXN | SATA0_RXN



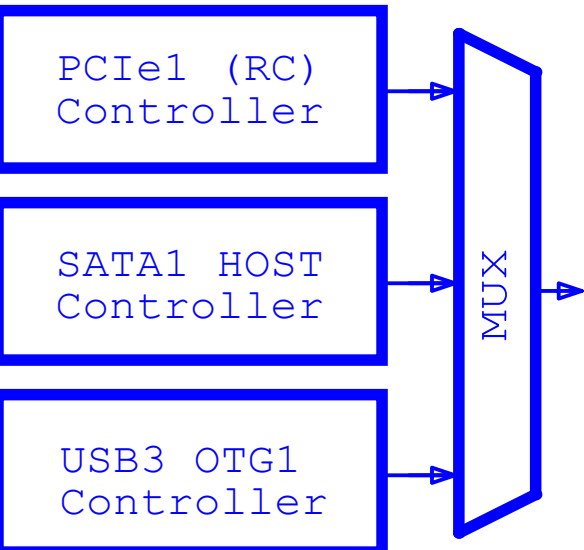
PCIe0_SATA0_AVDD0V85 2F11 VDDA_0V85_S0



PCIe0_SATA0_AVDD1V8 2F12 VCCA_1V8_S0



PCIe1/SATA1/USB3_OTG1 Combo PHY1



PCIe1:Gen1/Gen2
SATA1:Gen1/Gen2/Gen3
USB :USB3.2 Gen1x1 OTG1

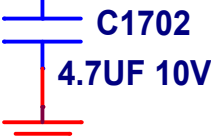
PCIe1_REFCLKP | -- | --
PCIe1_REFCLKN | -- | --

PCIe1_TXP | SATA1_TXP | USB3_OTG1_SSTXP
PCIe1_TXN | SATA1_TXN | USB3_OTG1_SSTXN

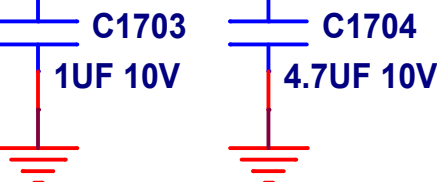
PCIe1_RXP | SATA1_RXP | USB3_OTG1_SSRXP
PCIe1_RXN | SATA1_RXN | USB3_OTG1_SSRXN



PCIe1_SATA1_USB3_OTG1_AVDD0V85 2E11 VDDA_0V85_S0



PCIe1_SATA1_USB3_OTG1_AVDD1V8 2E12 VCCA_1V8_S0

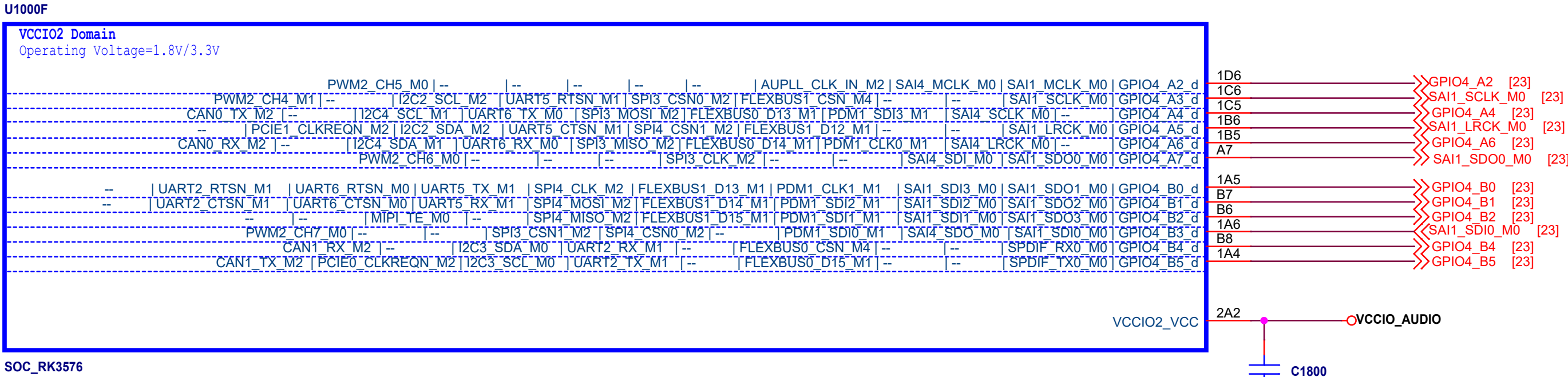


SOC_RK3576

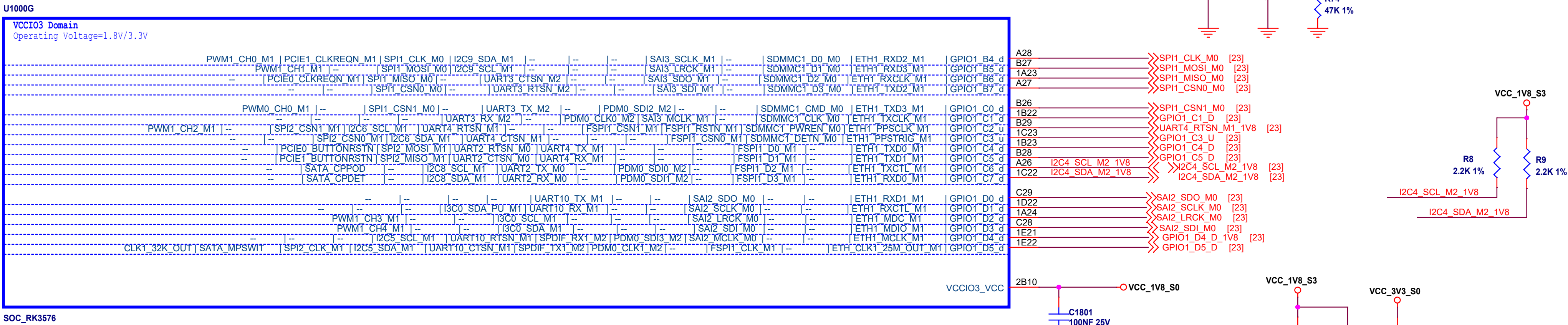


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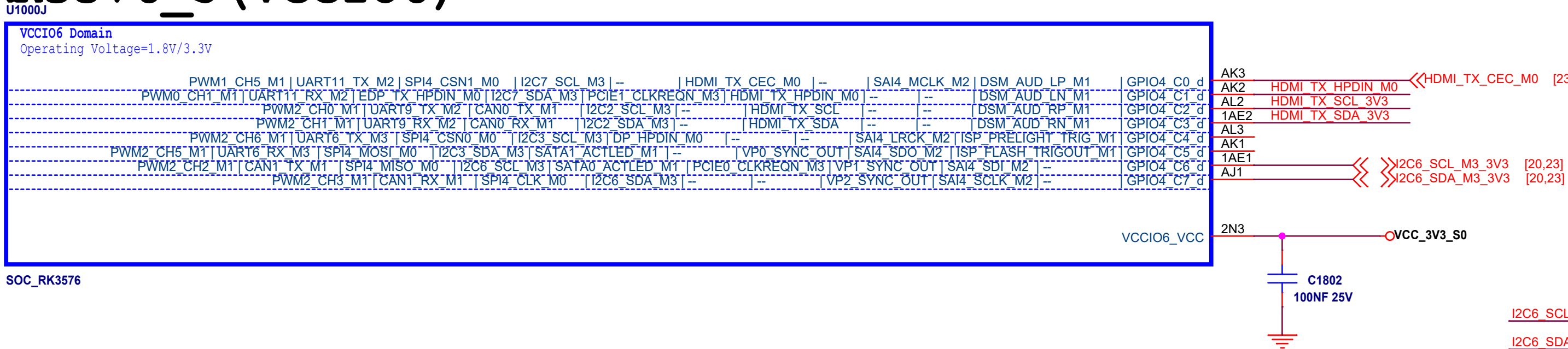
RK3576_F (VCCIO2)



RK3576_G (VCCIO3)



RK3576_J (VCCIO6)

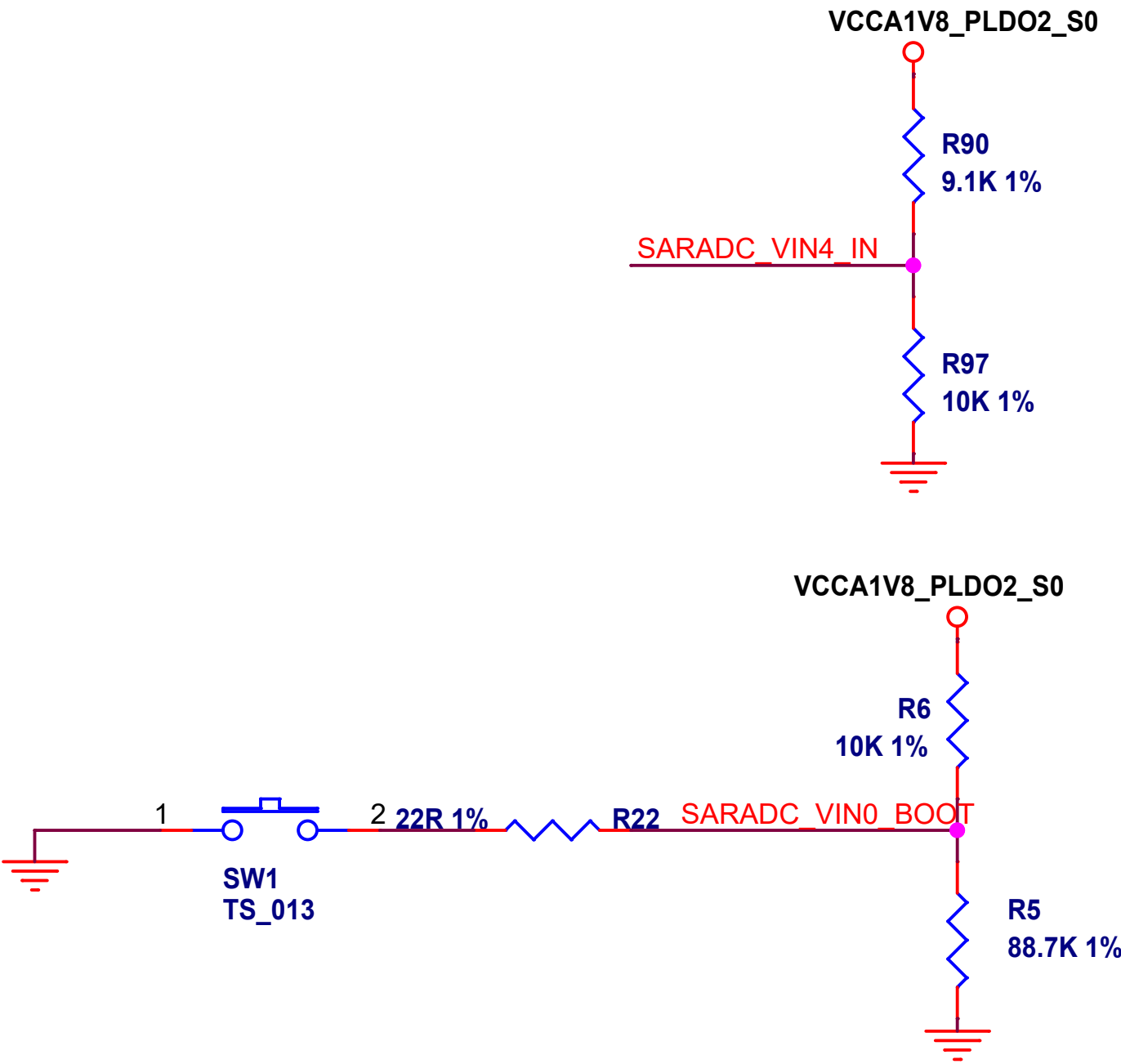
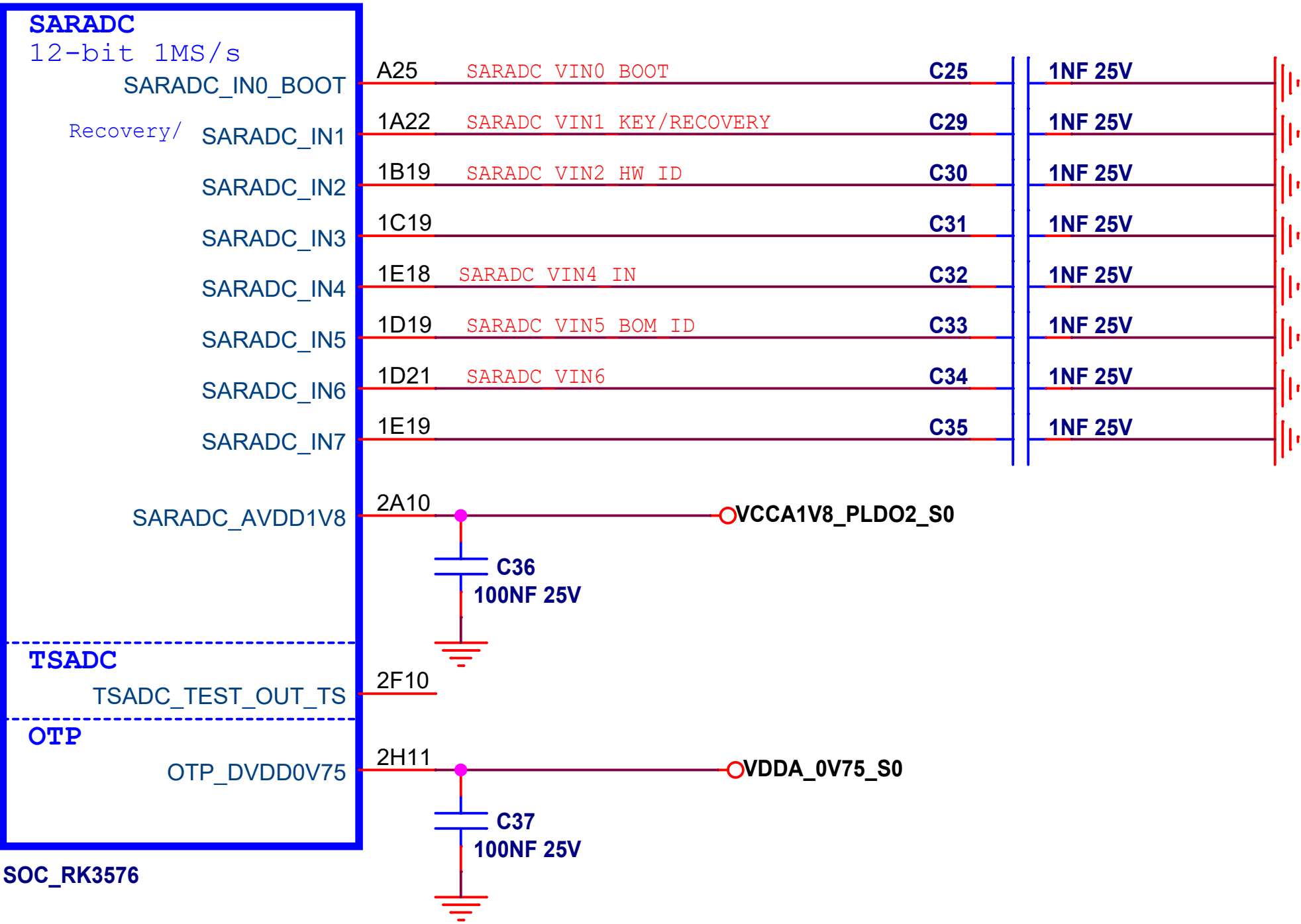


radxa

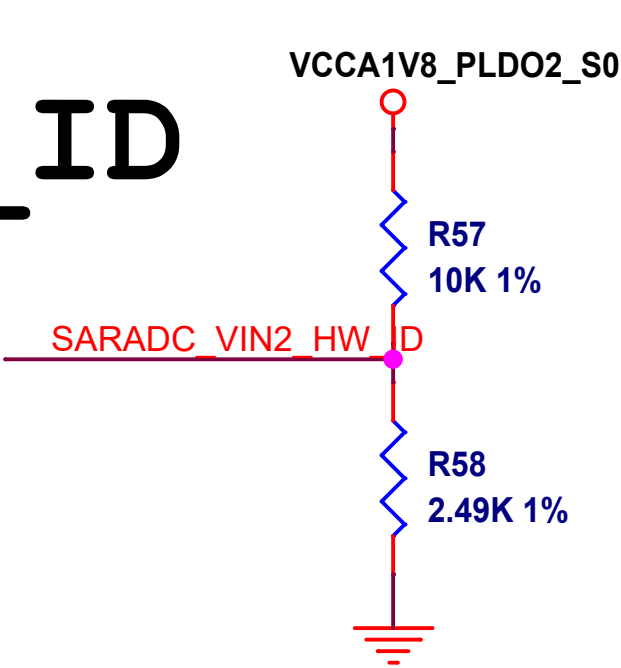
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RK3576_R (SARADC)

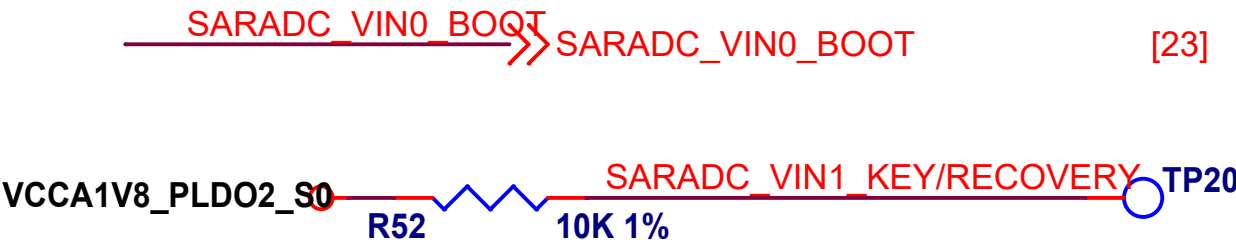
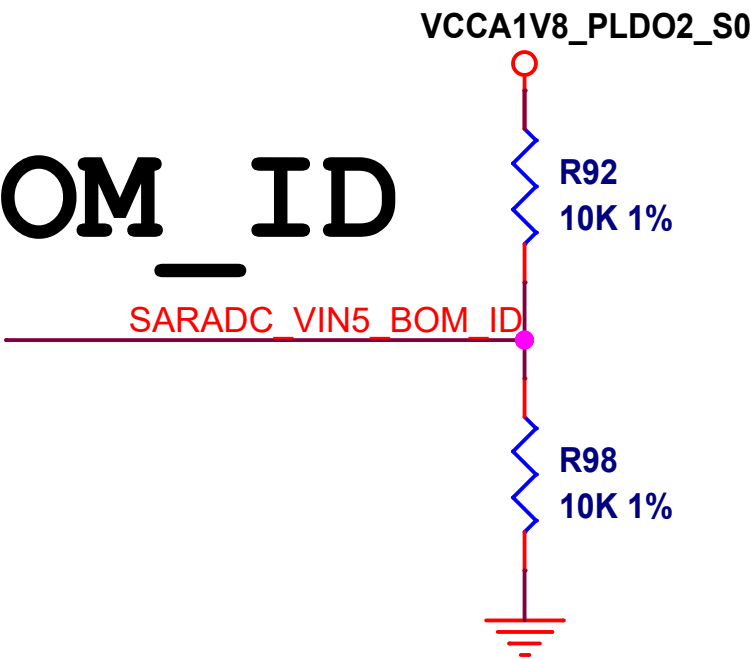
U1000R



HW_ID



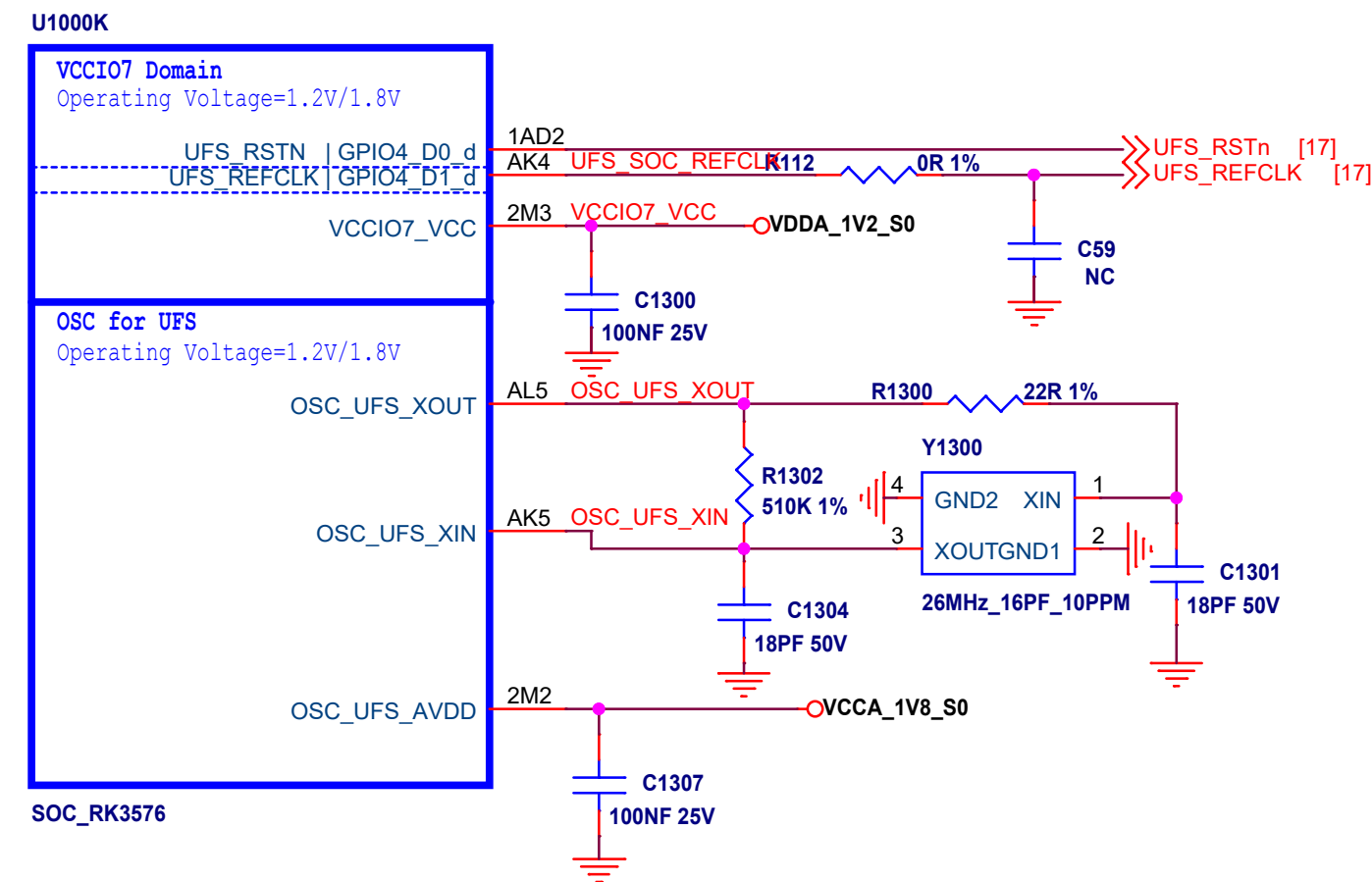
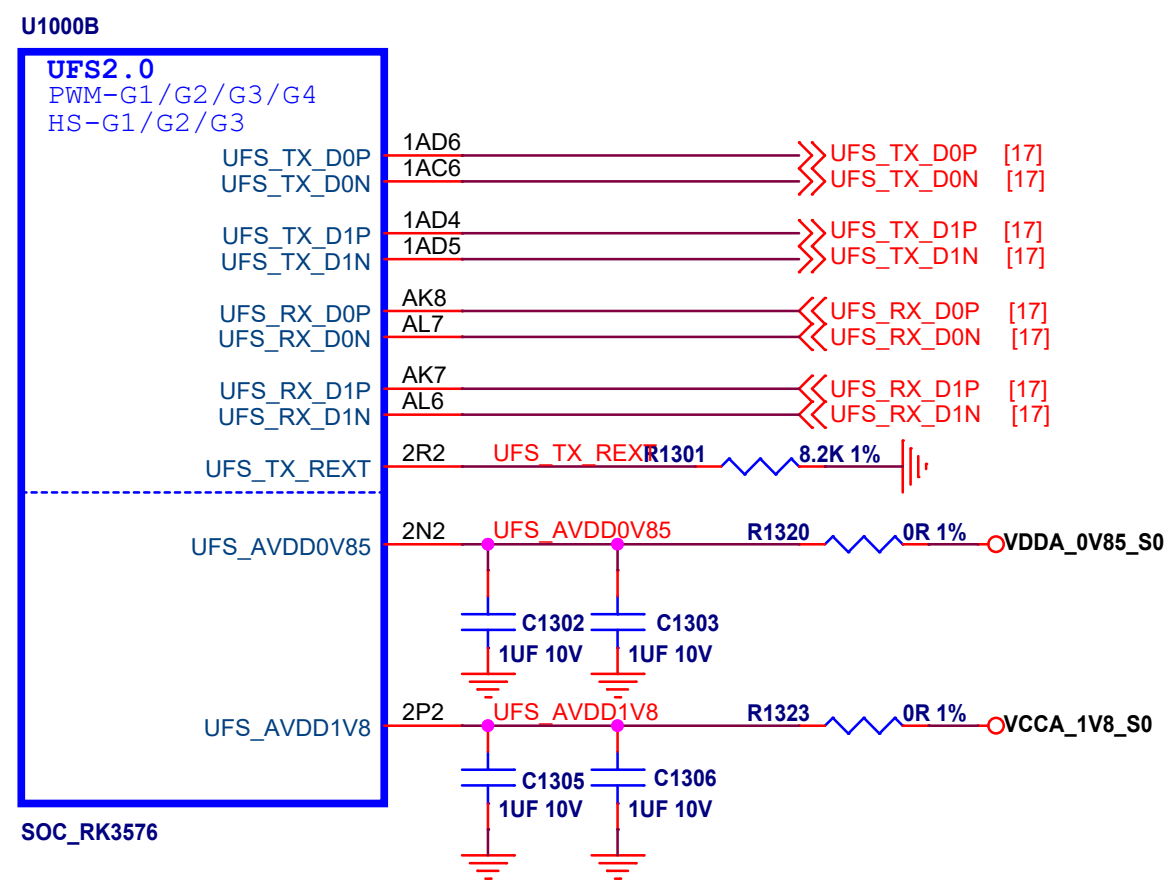
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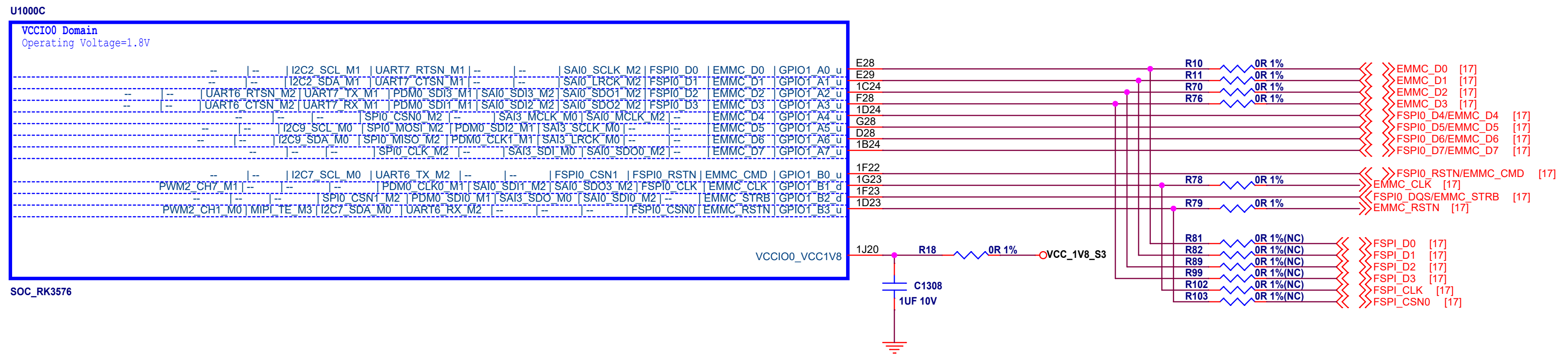
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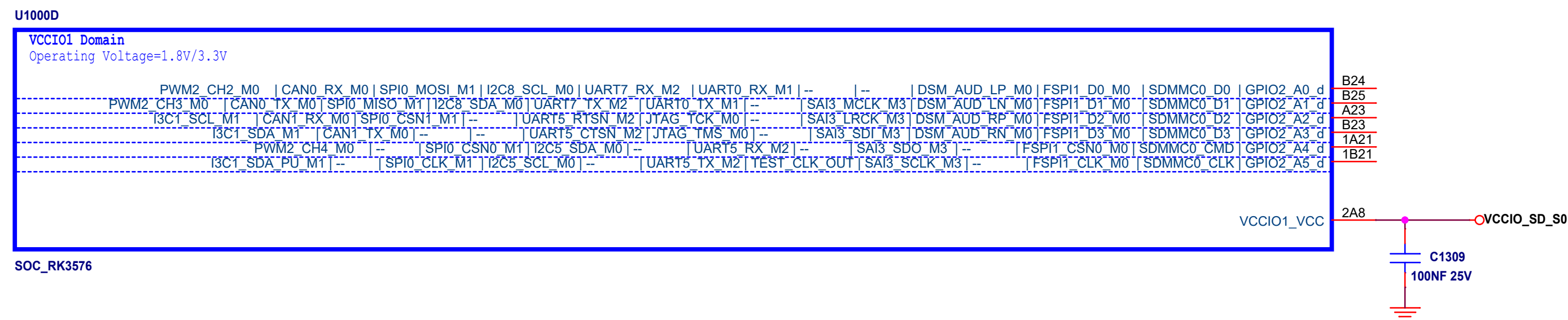
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RK3576 C
(VCCIO0)



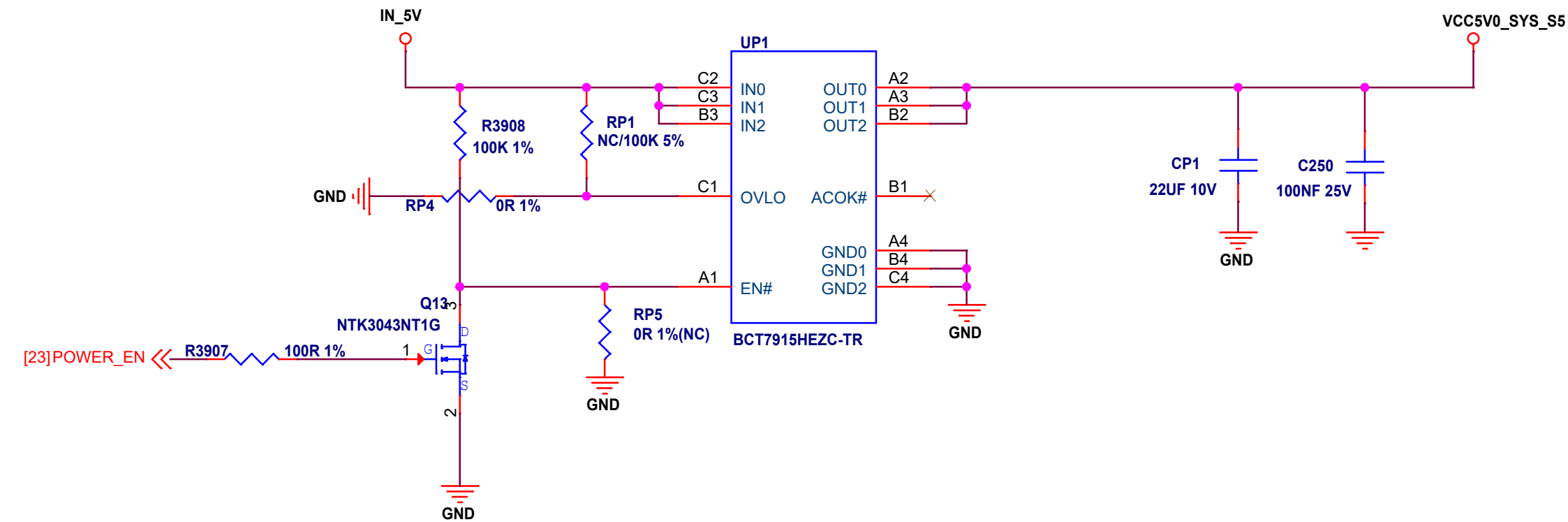
RK3576 D
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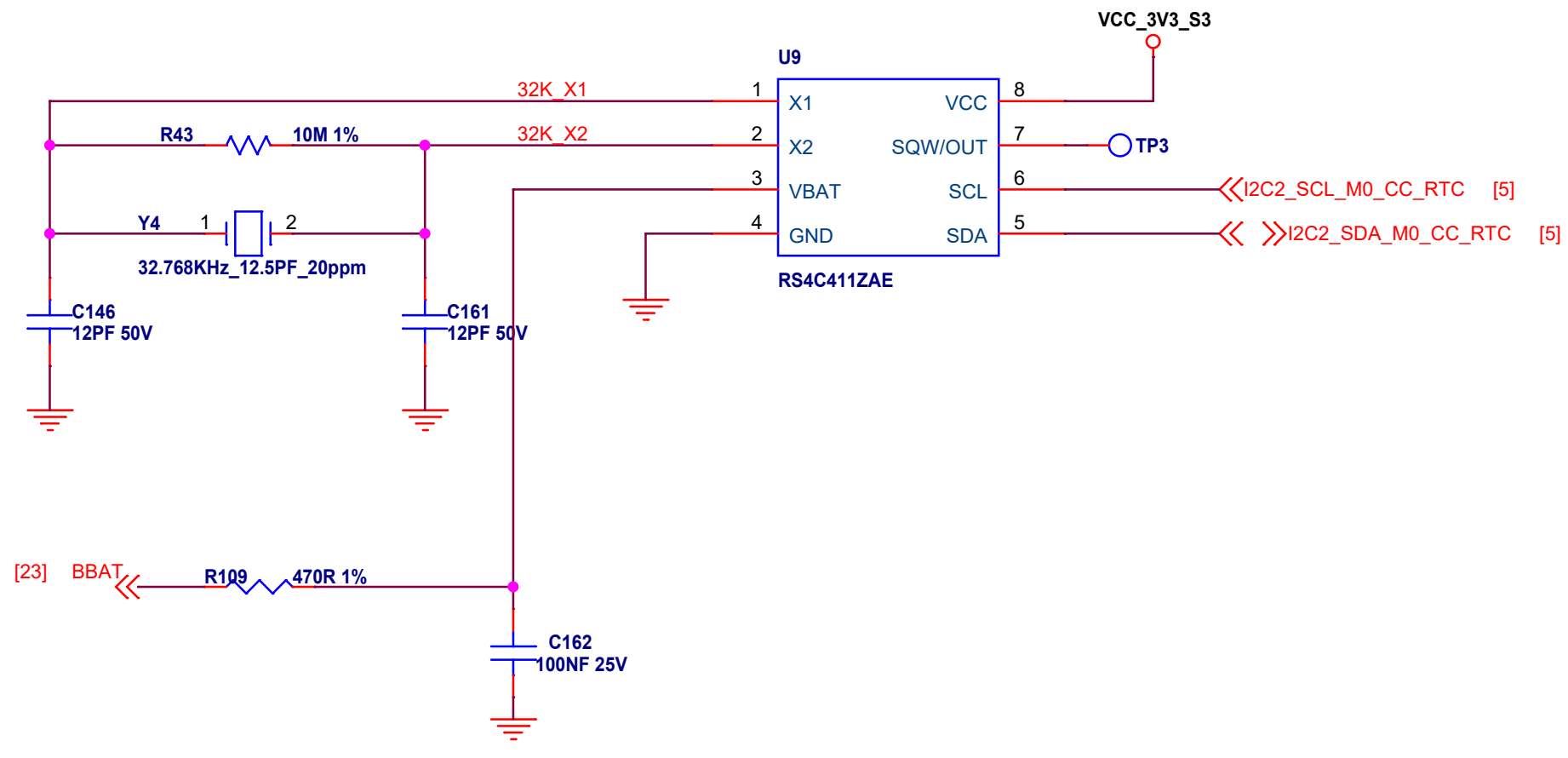
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OVP

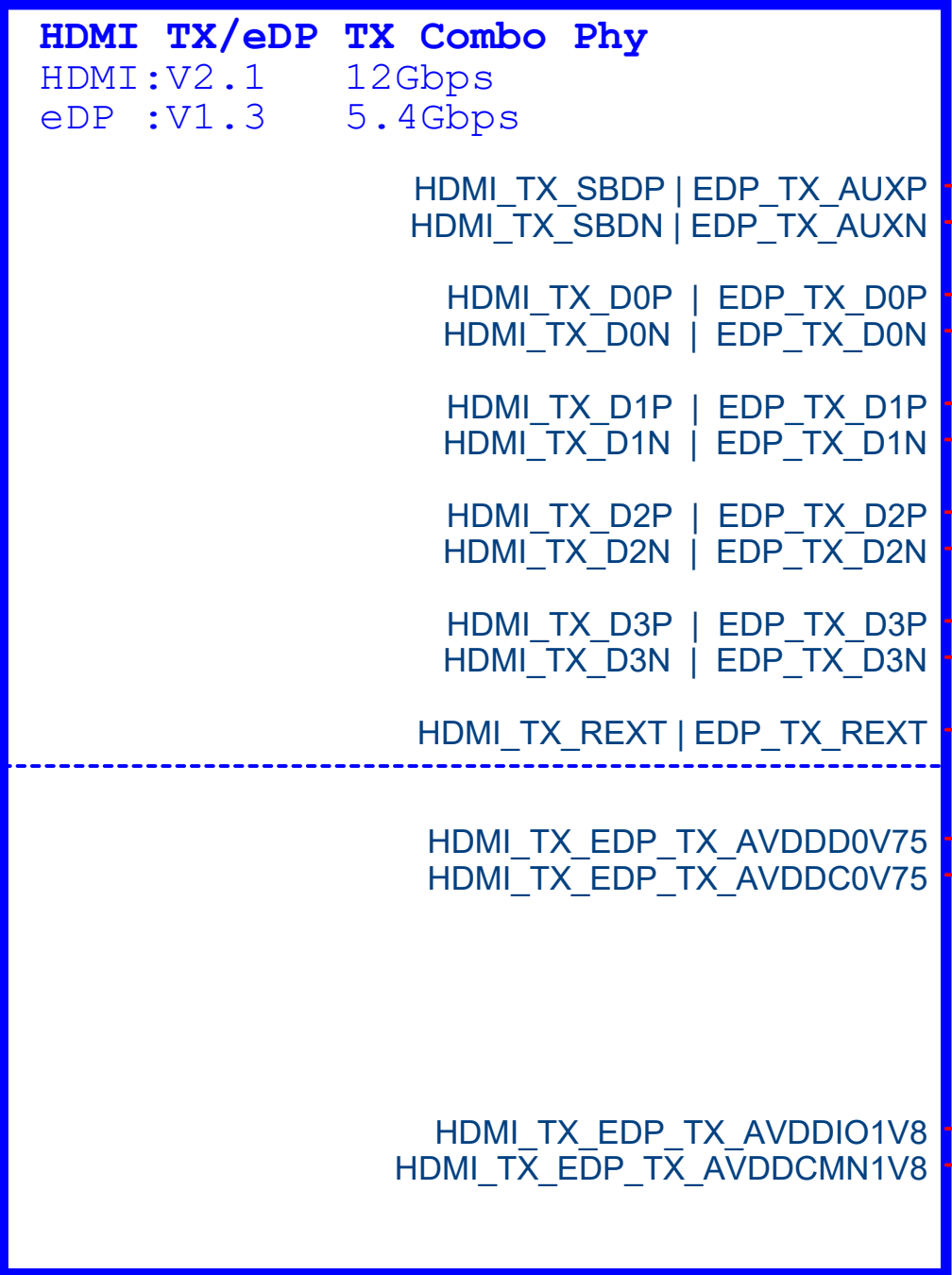


RTC

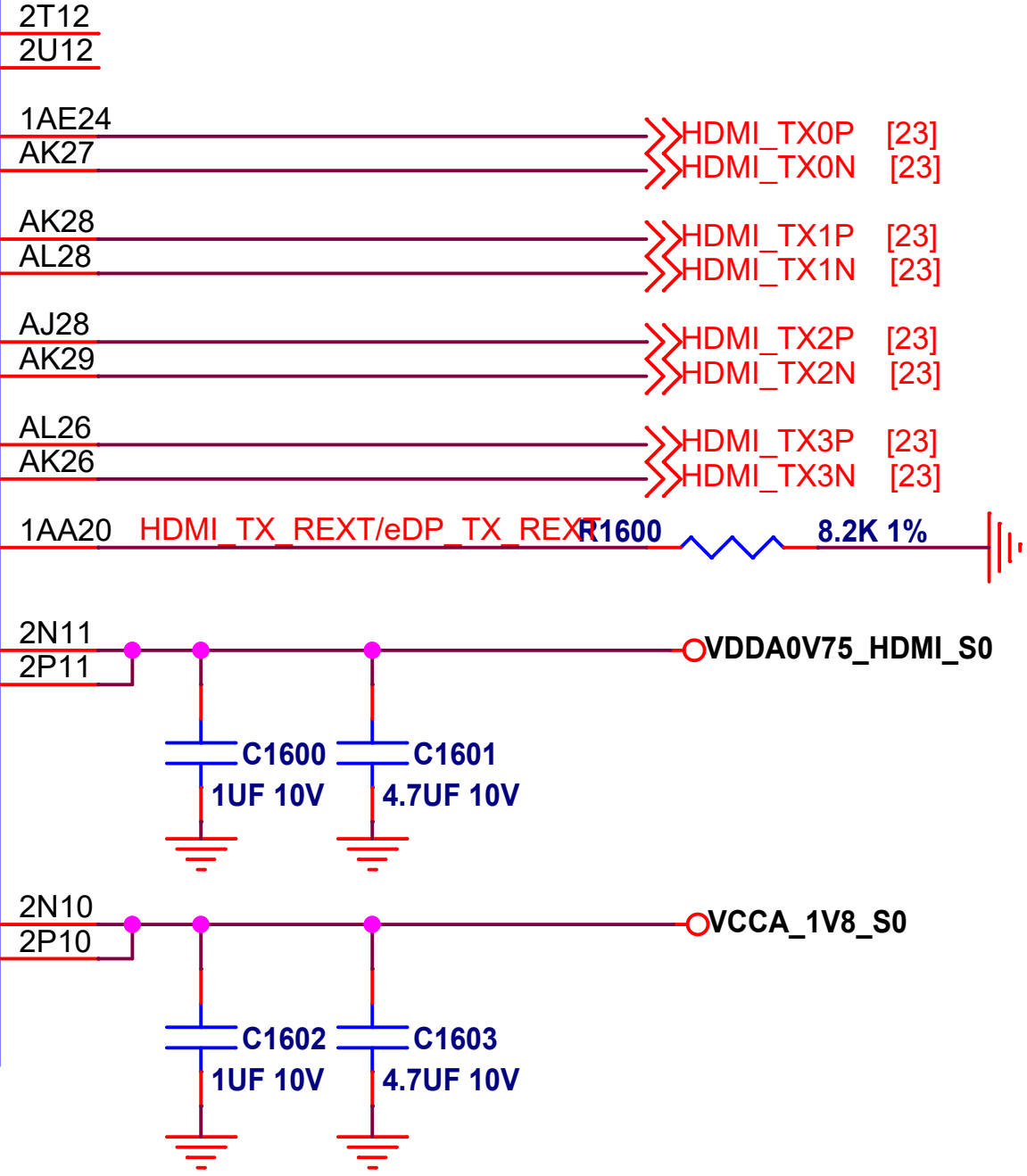


RK3576_Q (HDMI/eDP)

U1000Q

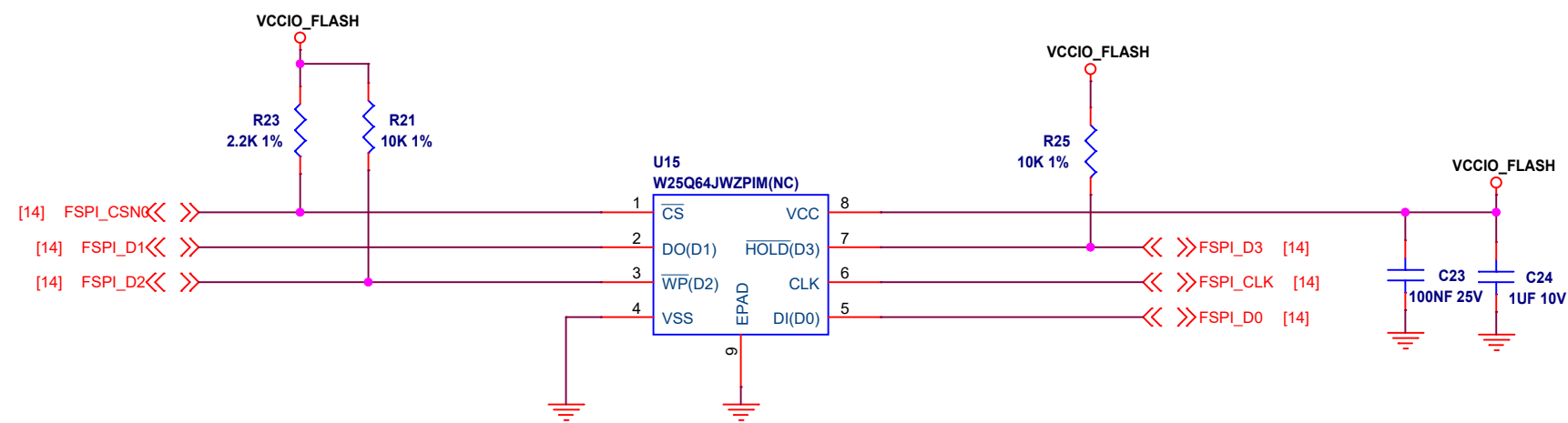


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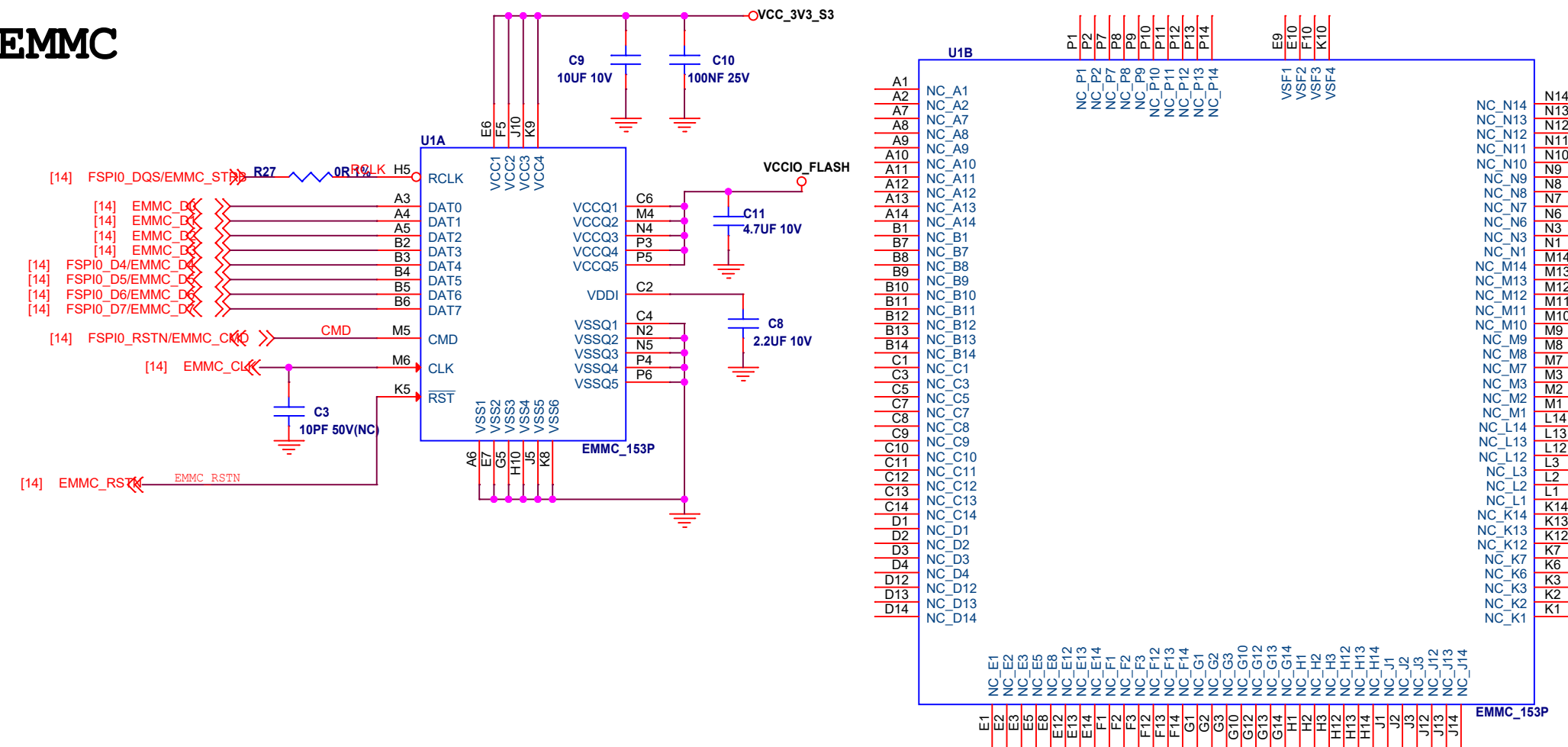


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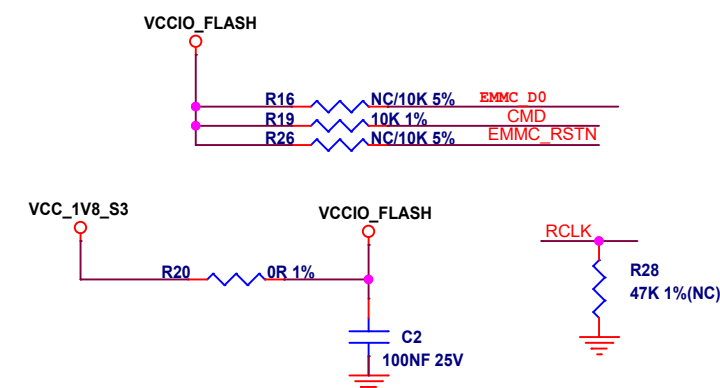
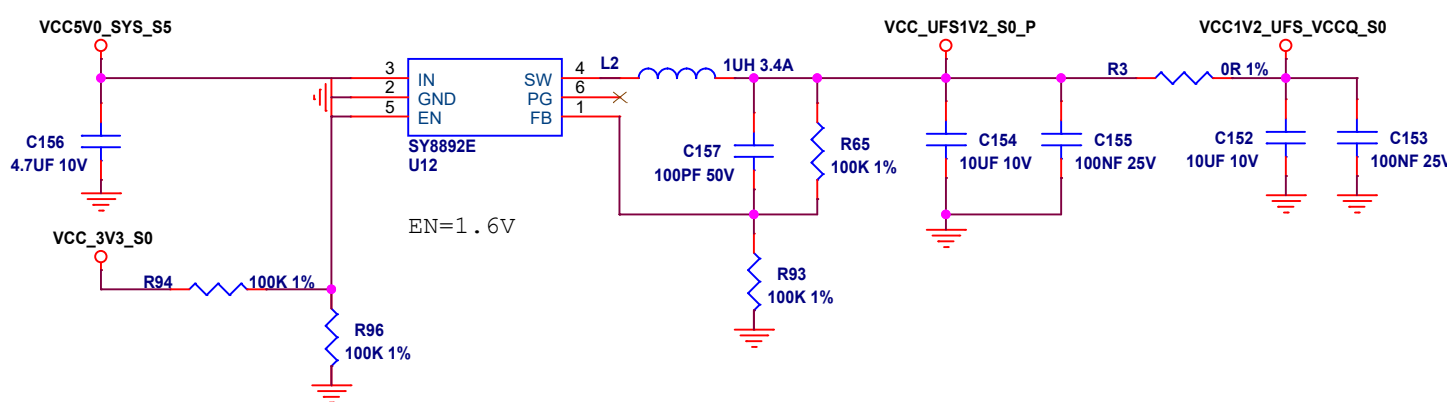
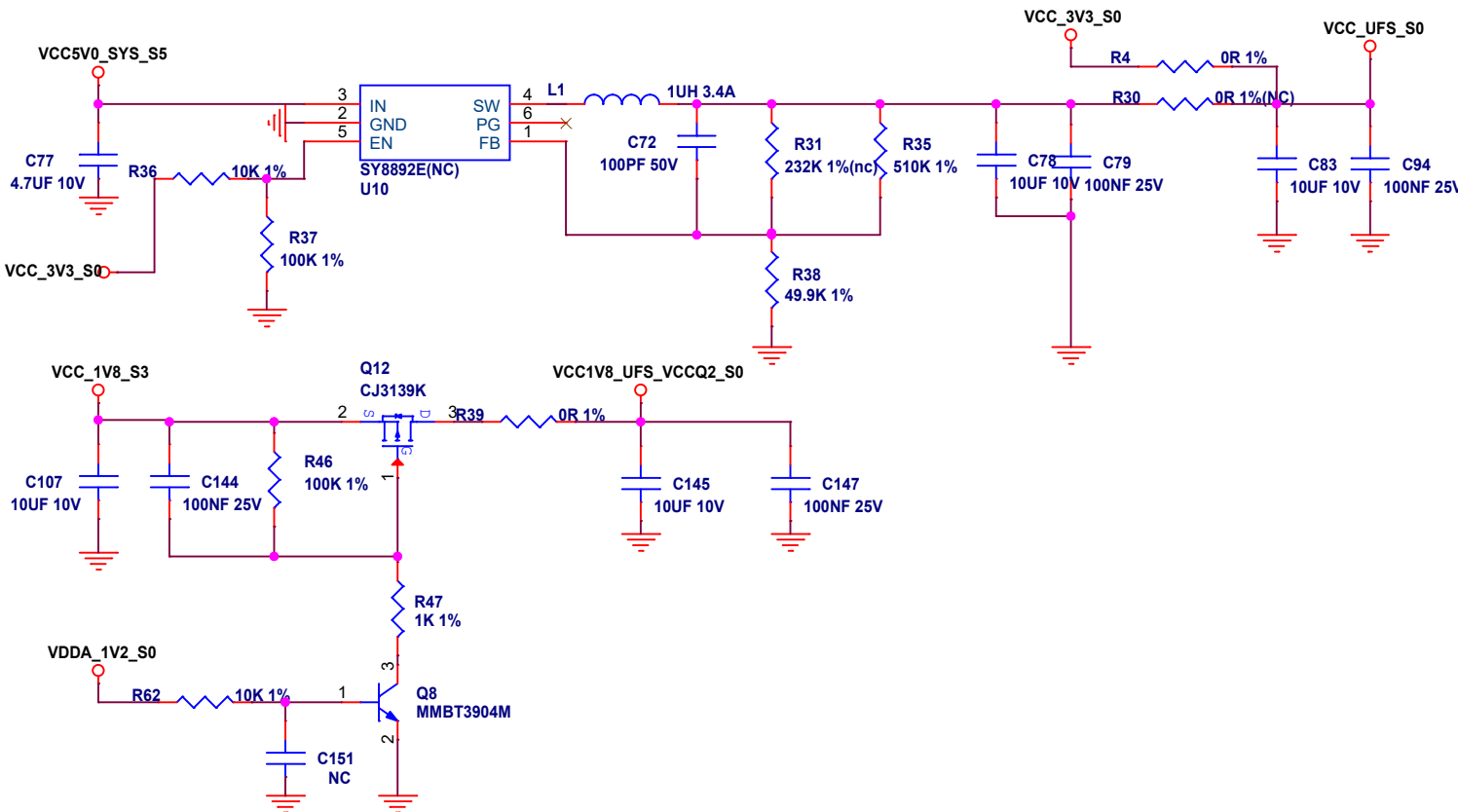
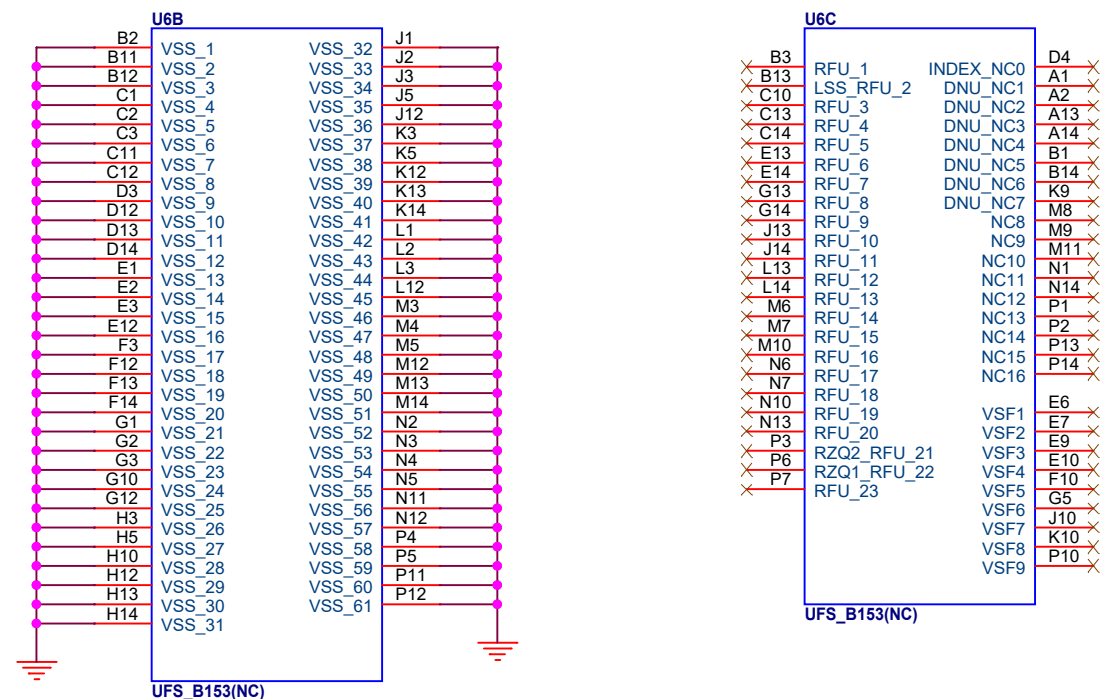
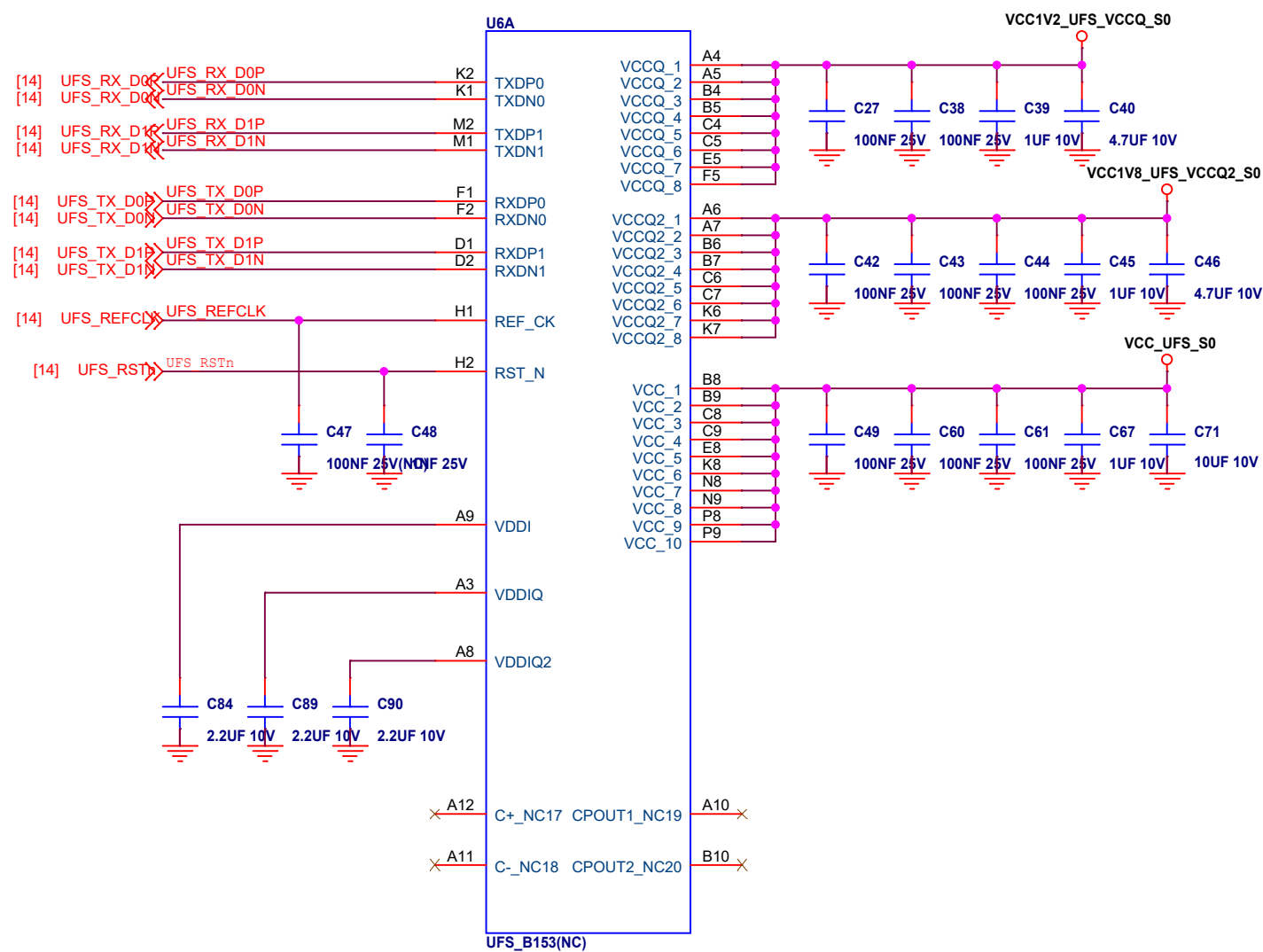
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EMMC

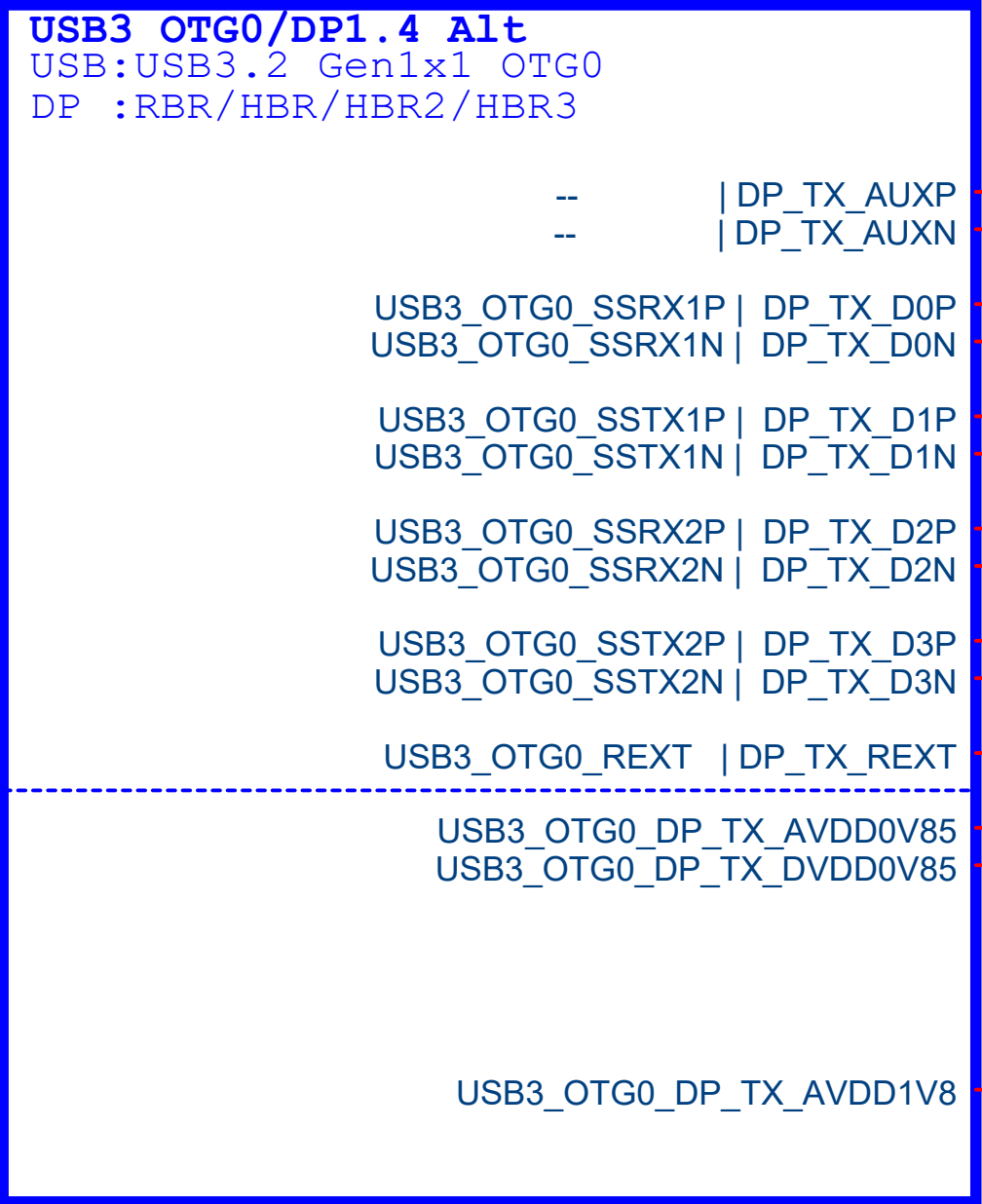


UFS Flash



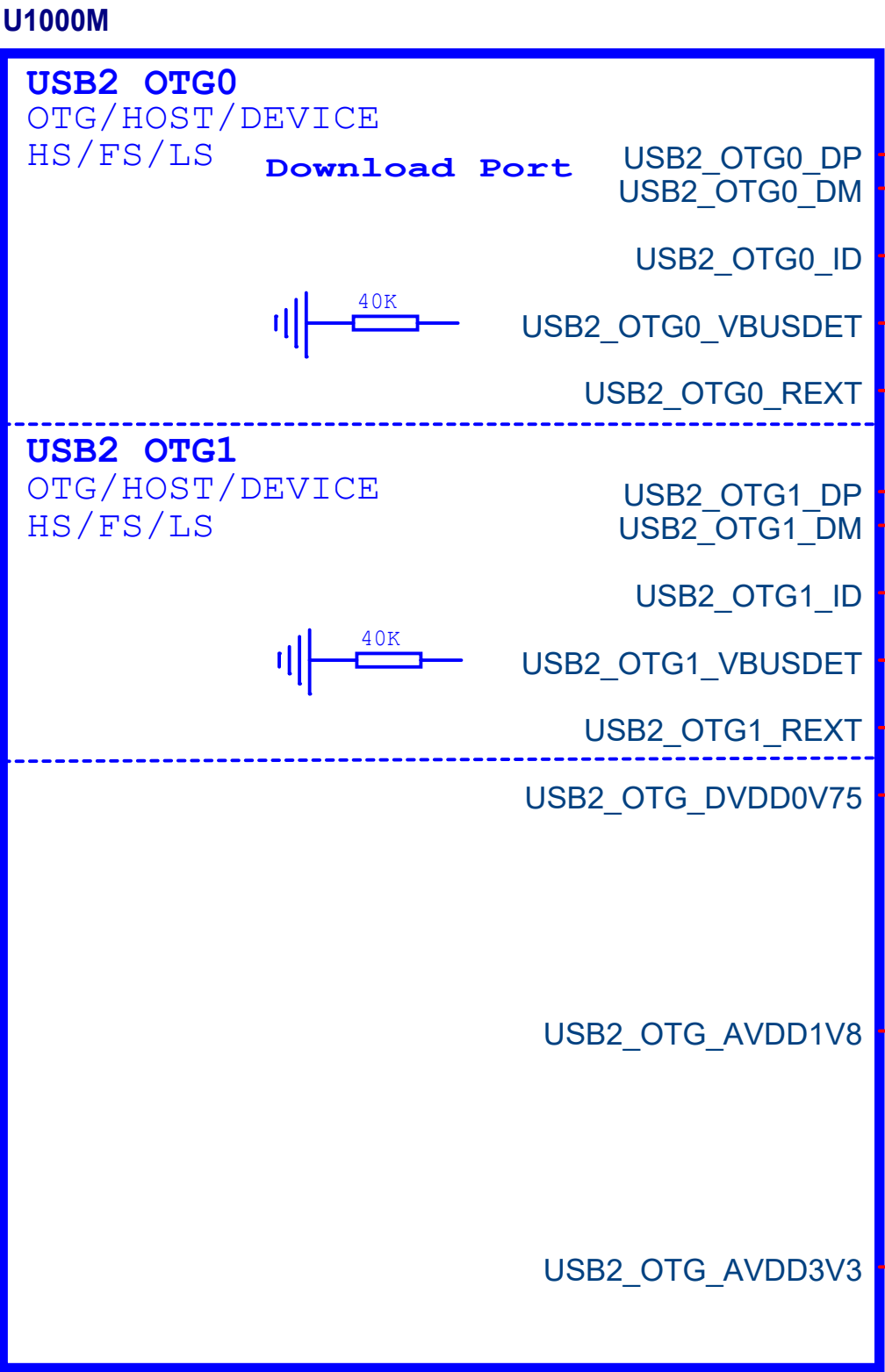
radxa

RK3576_L (USB3/DP)

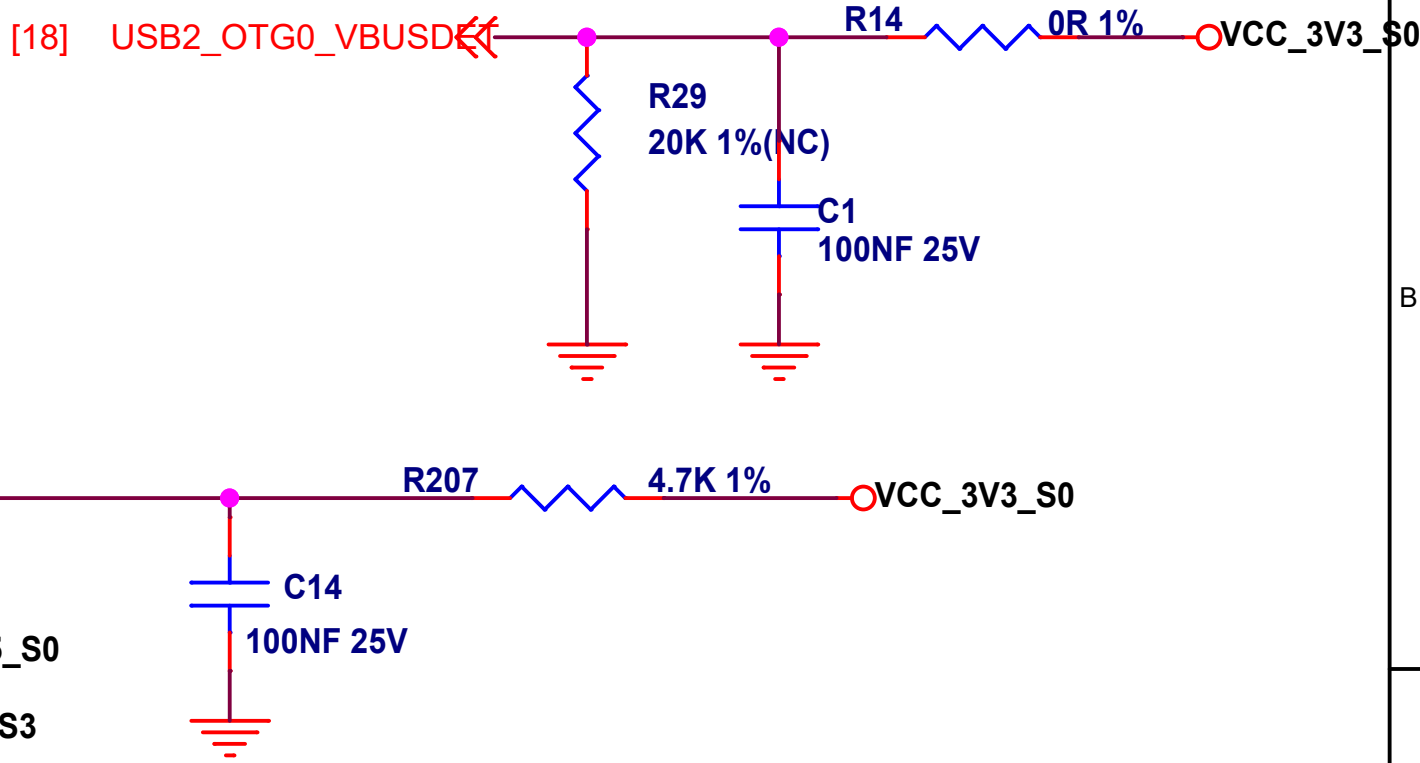
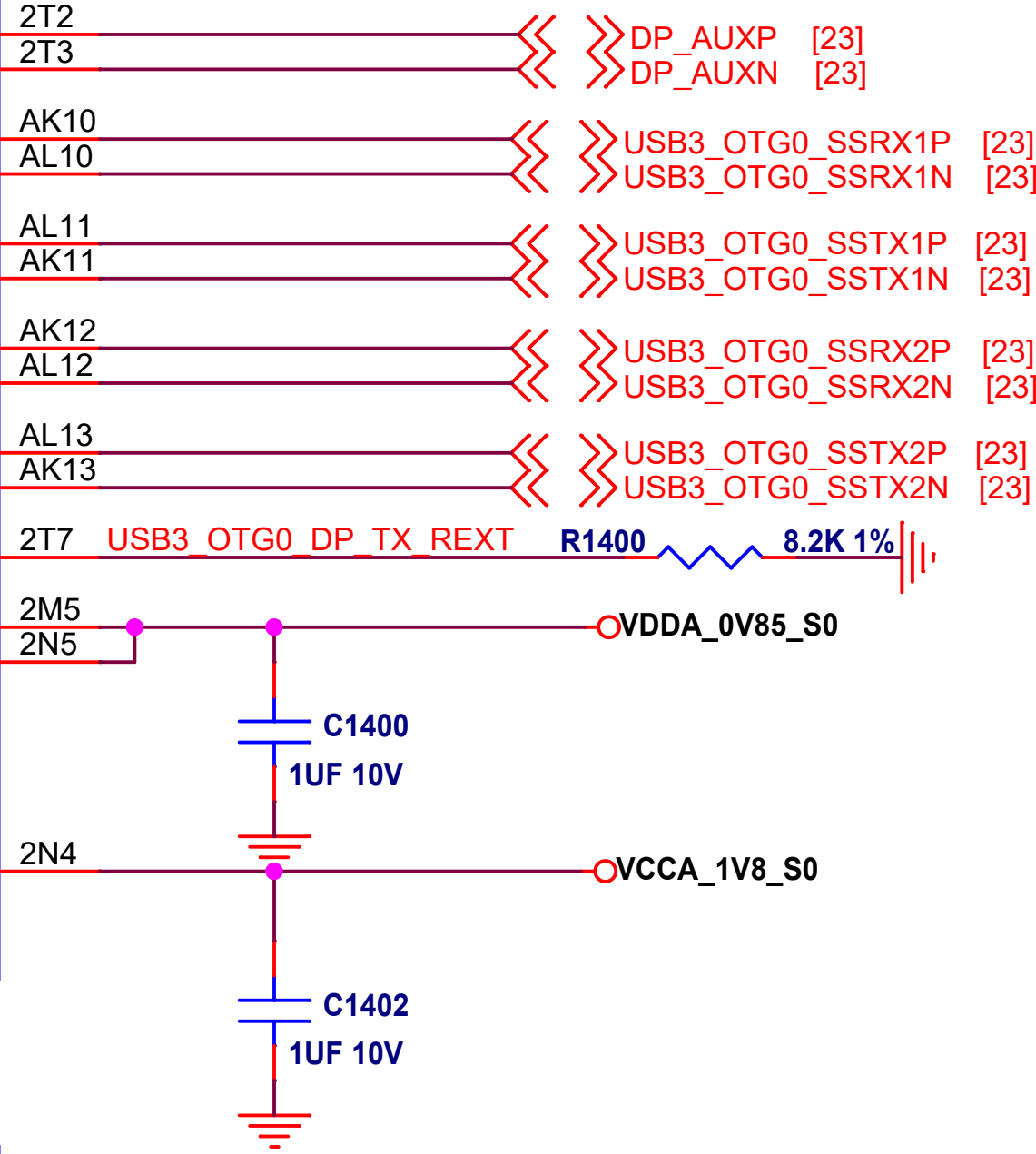


SOC_RK3576

RK3576_M (USB2)

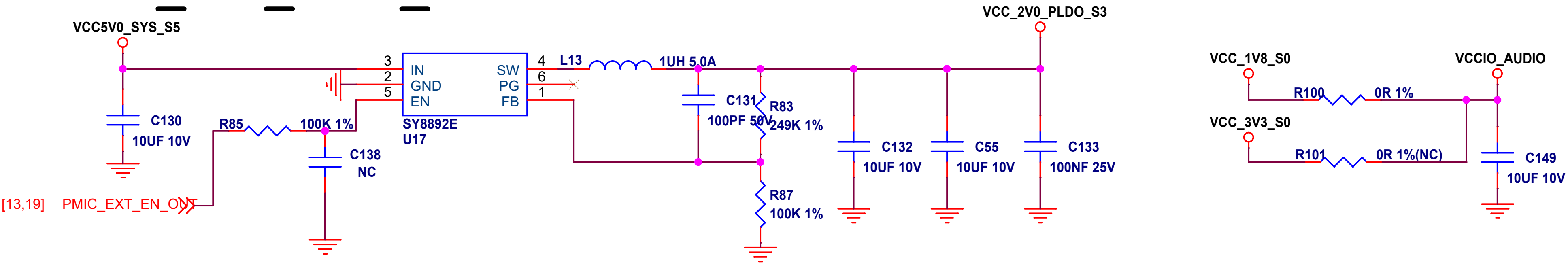


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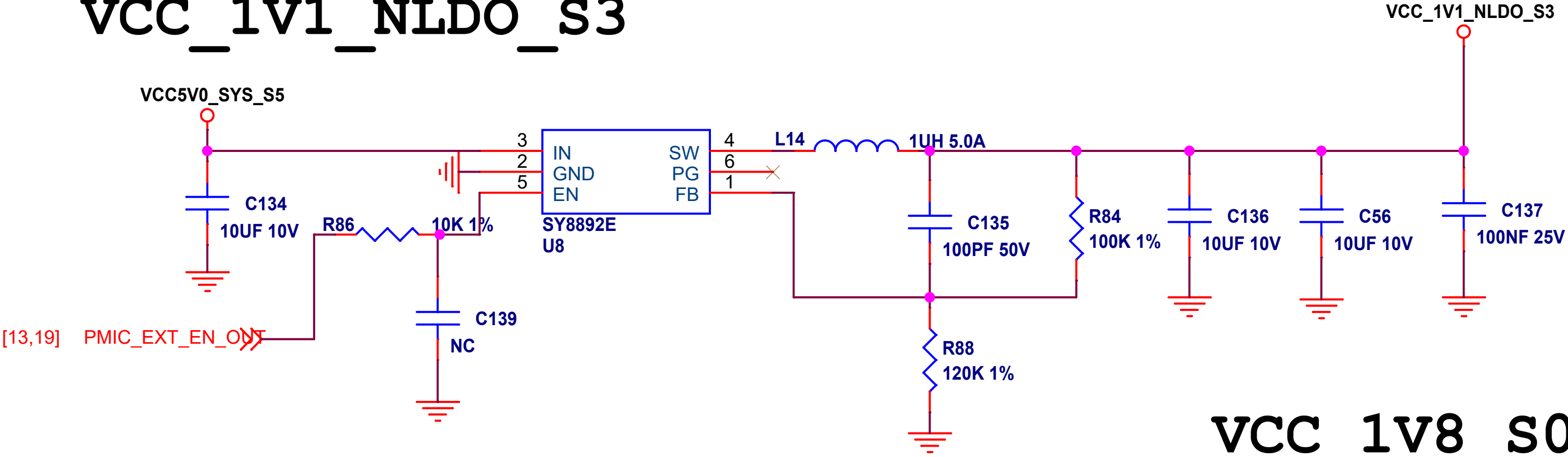


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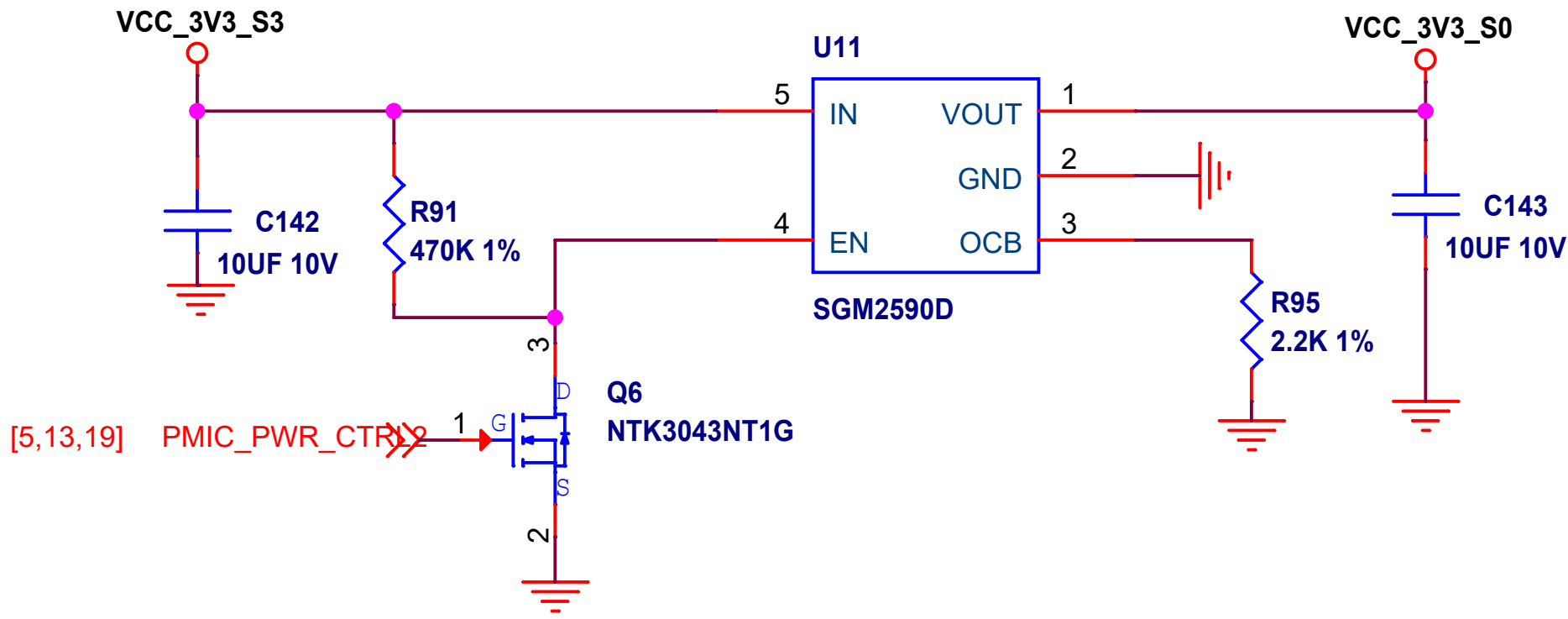
VCC_2V0_PLDO_S3



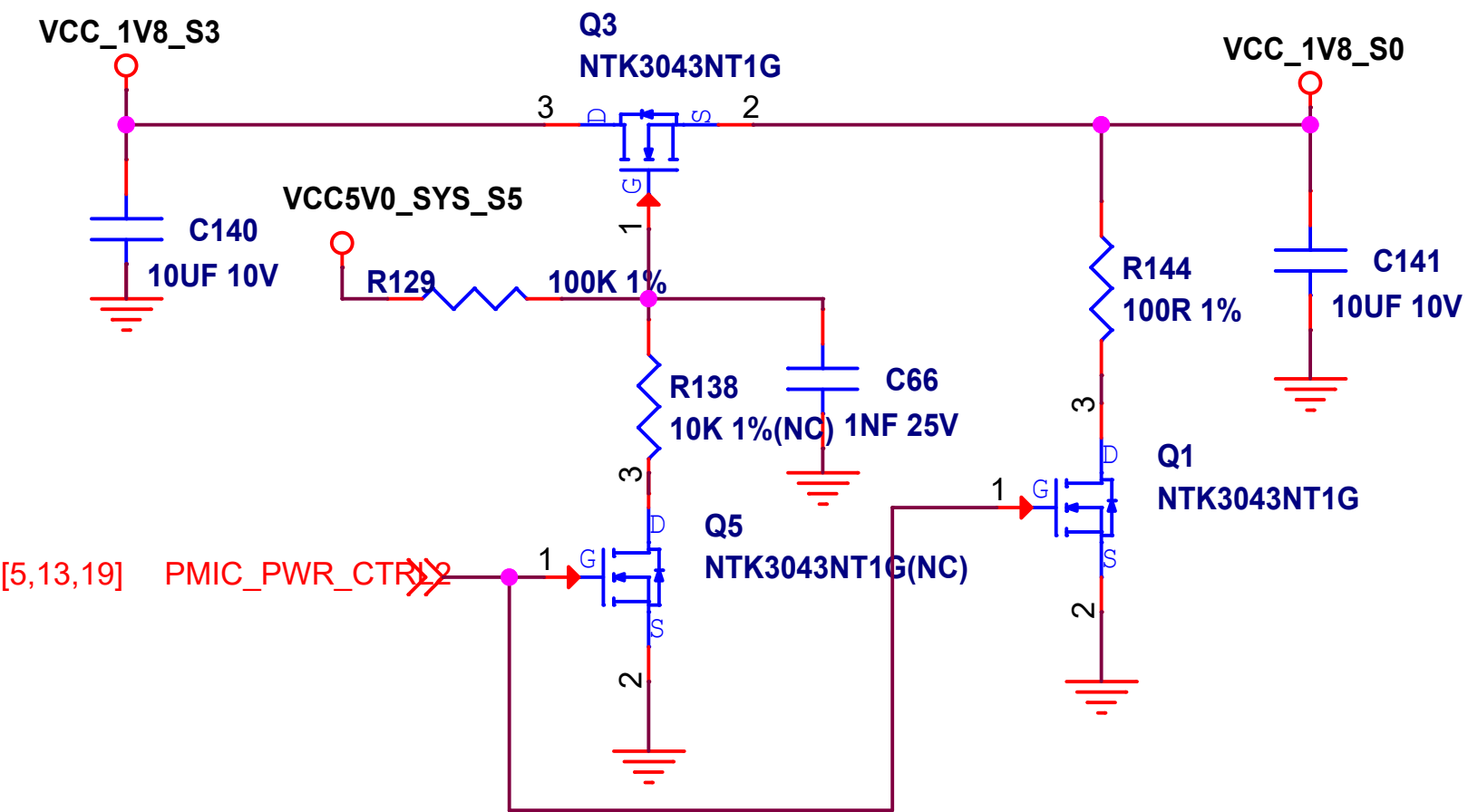
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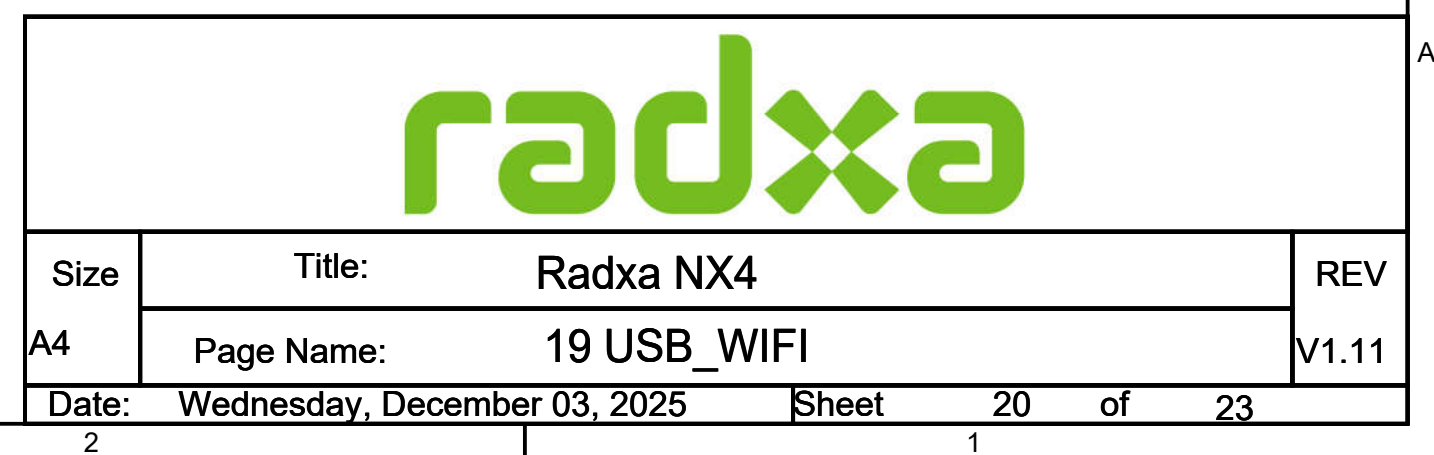
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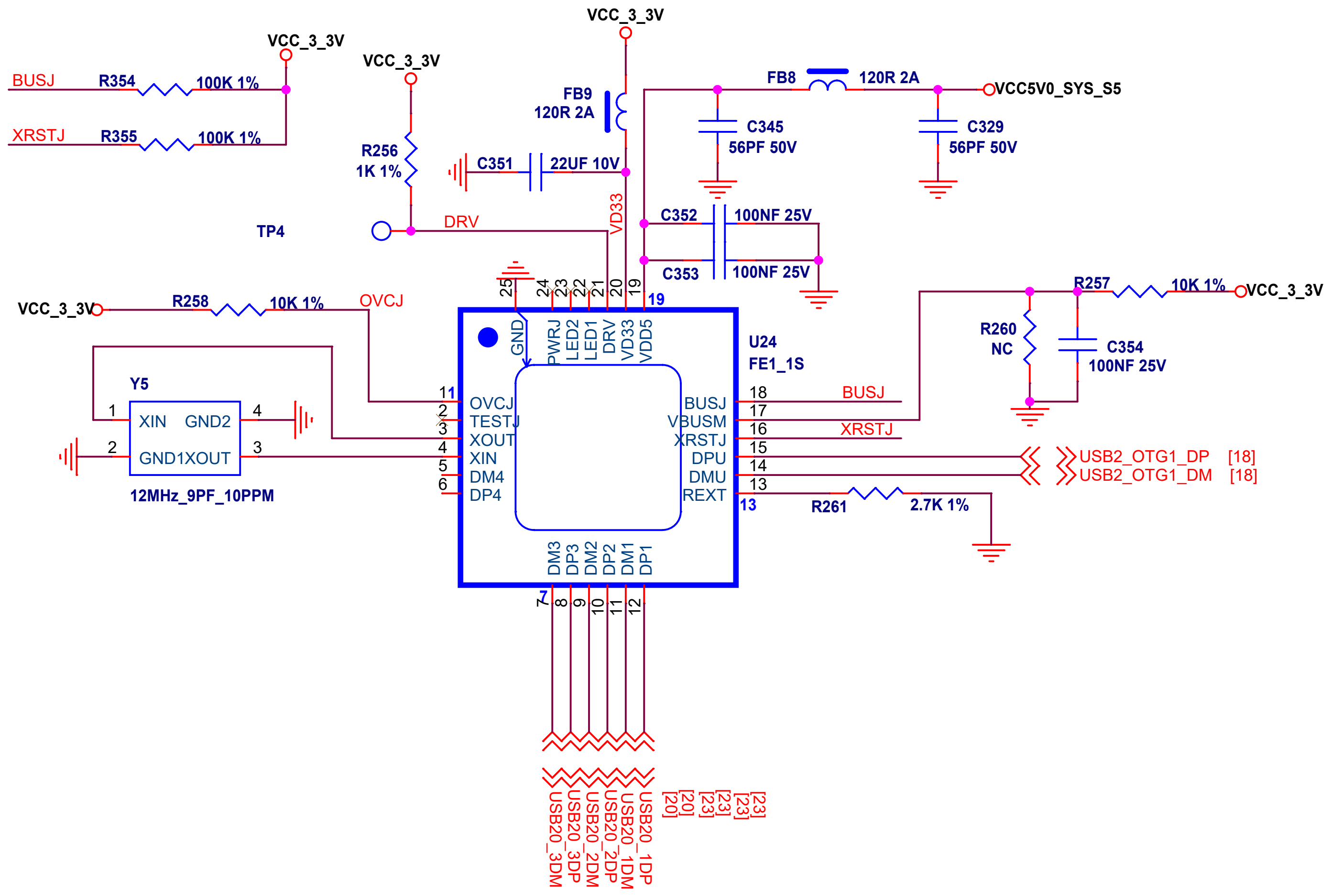


VCC_1V8_S0



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