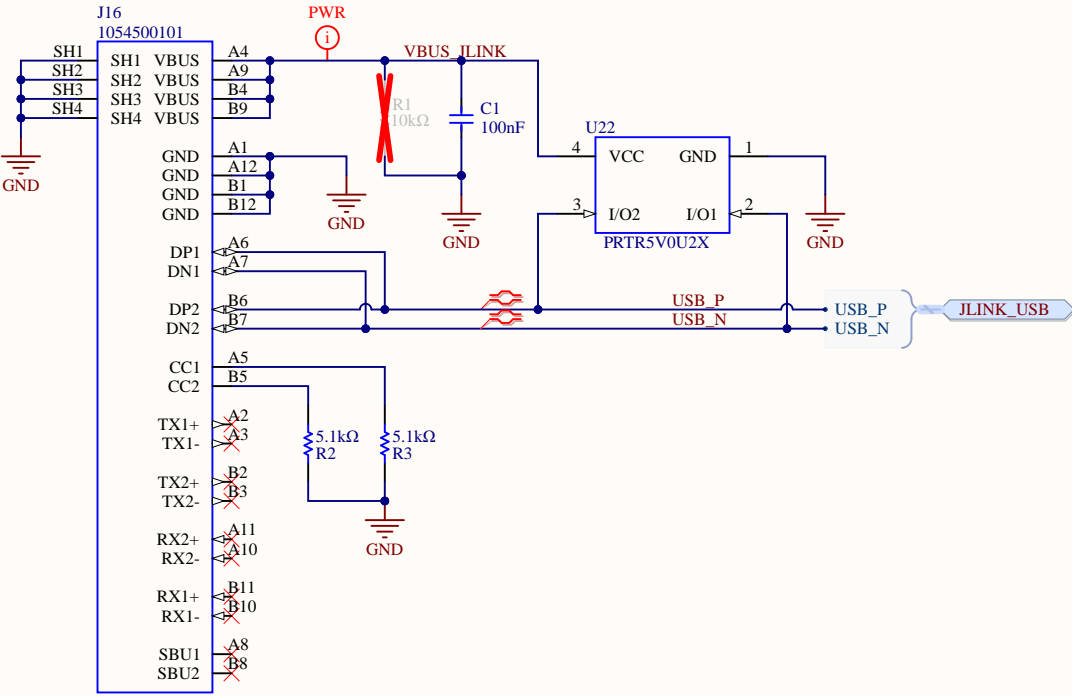
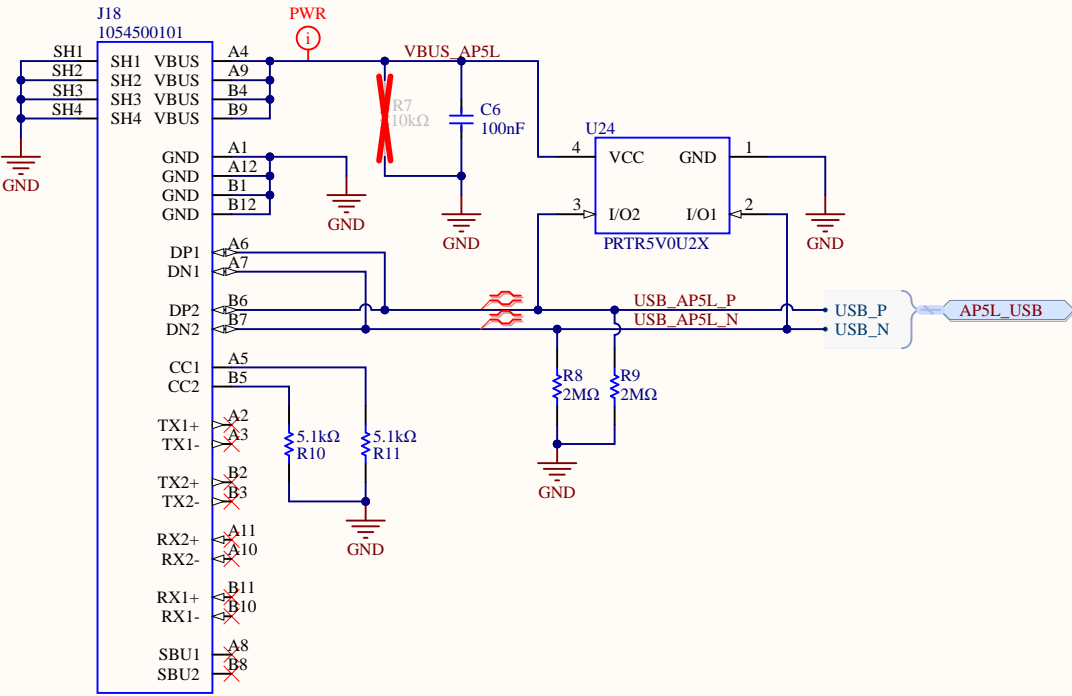


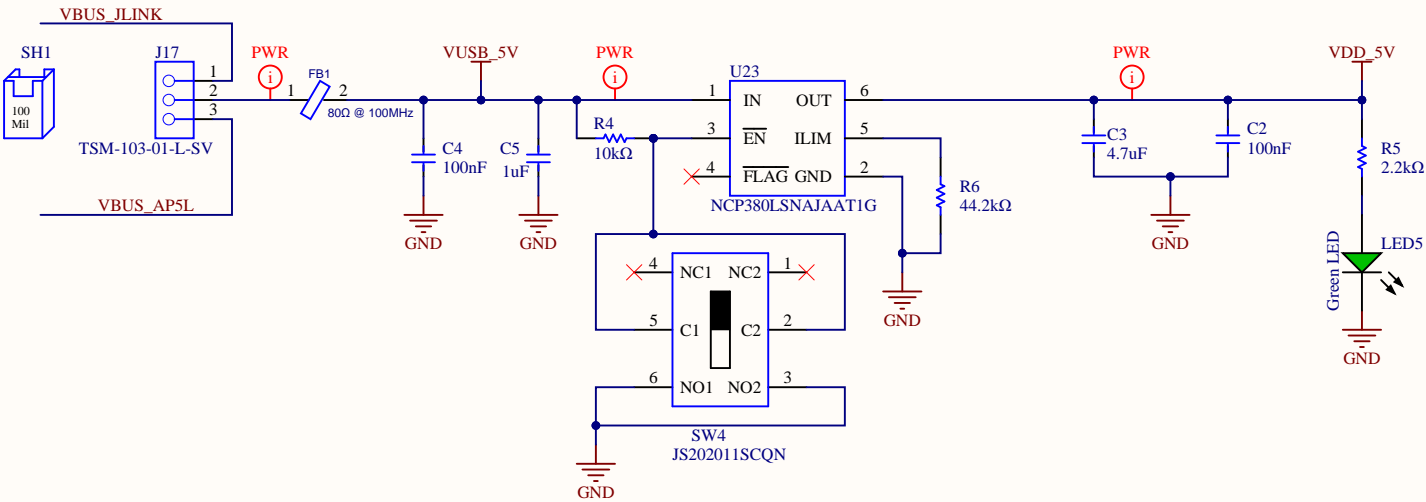
USB-C Connector




AP5 USB-C Connector



5V Source Select & USB Protection Circuit





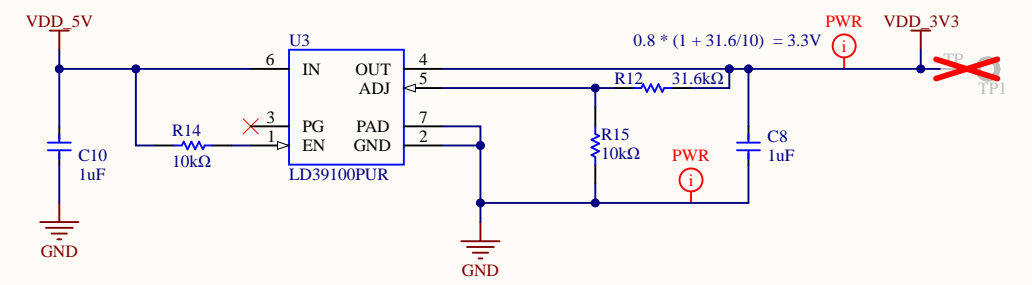
TitleApollo510 Lite Series EVBRevision3.0

Sheet NameUSBSheet 2 of 9

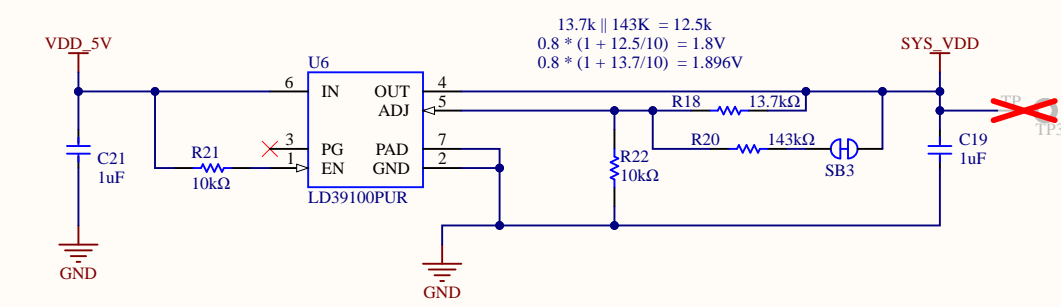
Date2/2/2026NumberAP510DLEVB

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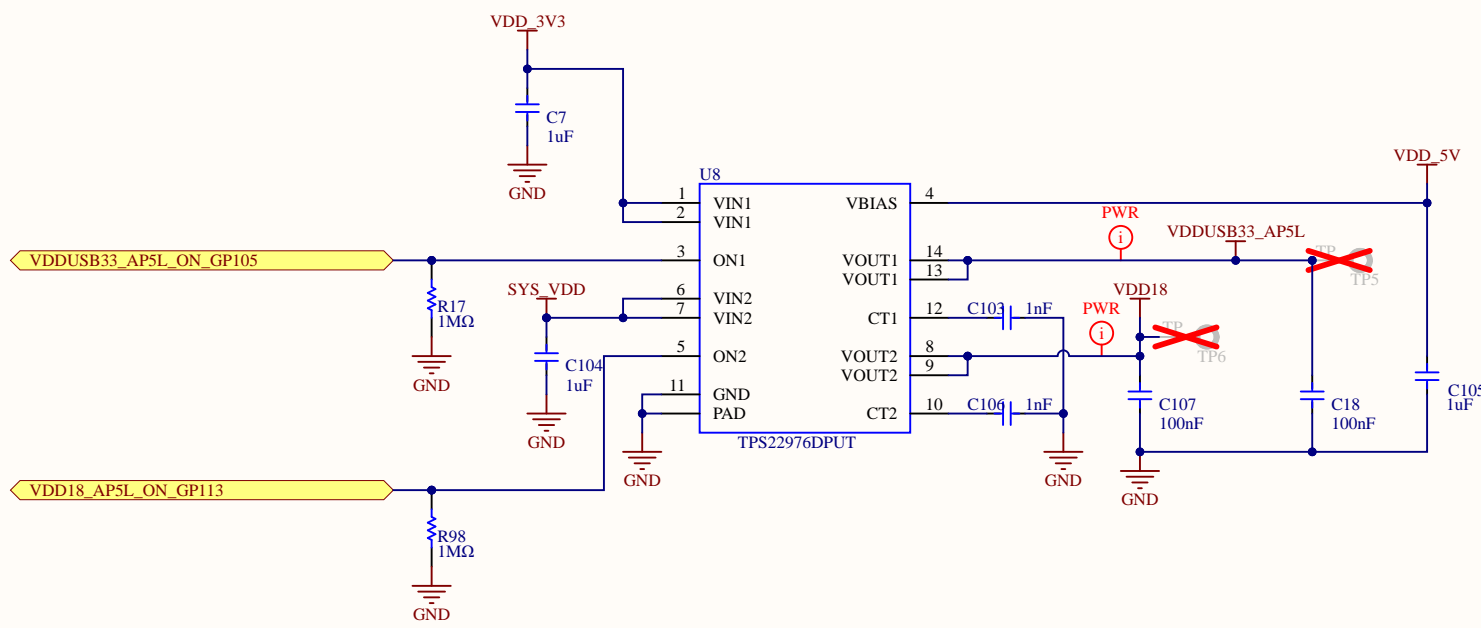
3.3V Supply



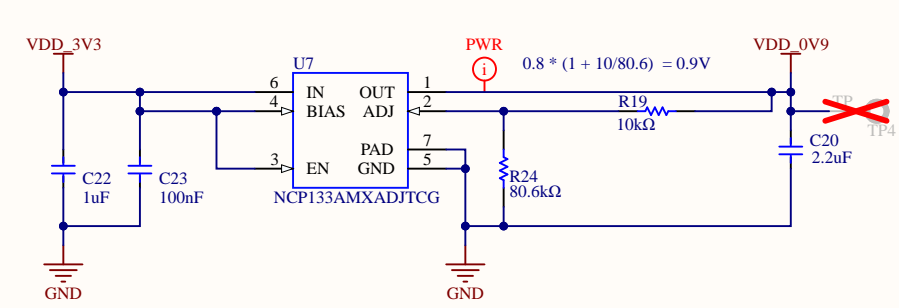
1.8V Supply



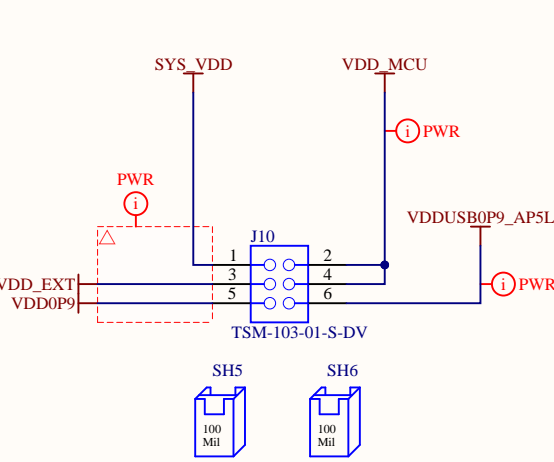
USB 3.3V and Display Controller Loadswitch



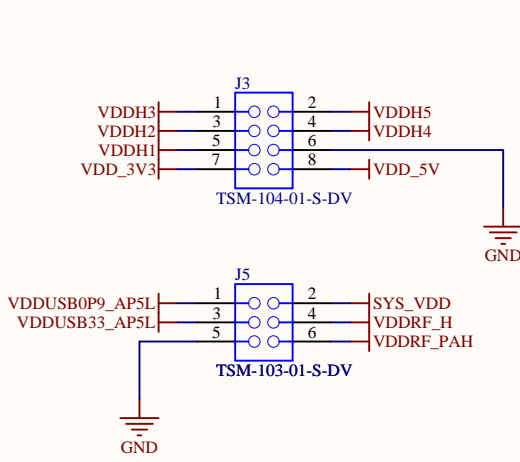
0.9V USB Supply for Apollo4 JLINK OB



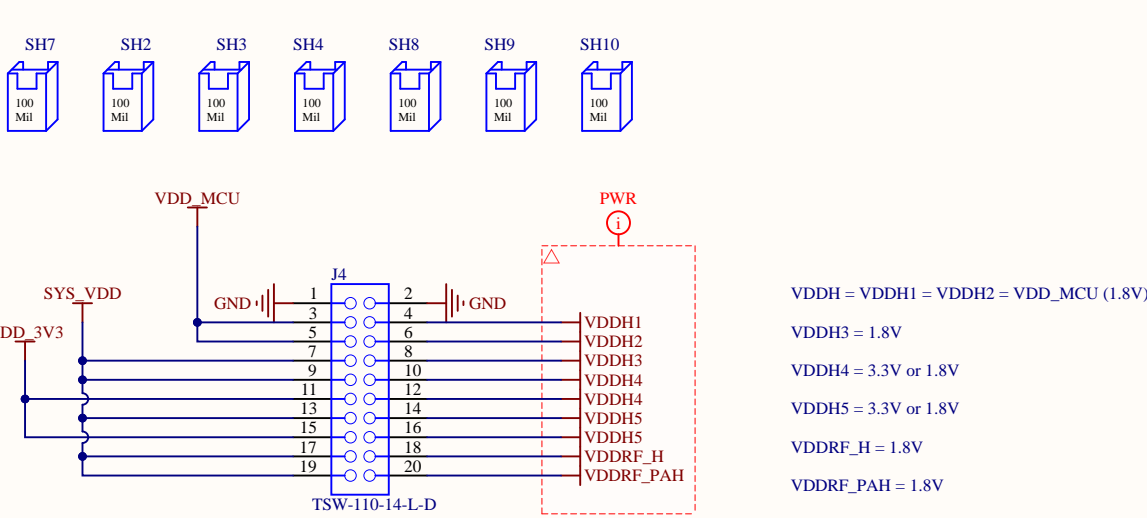
Supply selection



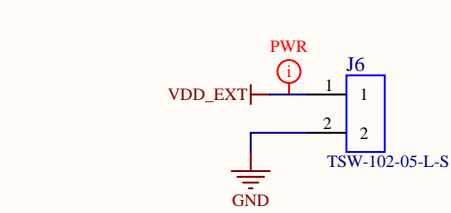
Supply visibility



Power Configuration Header



External Supply Input



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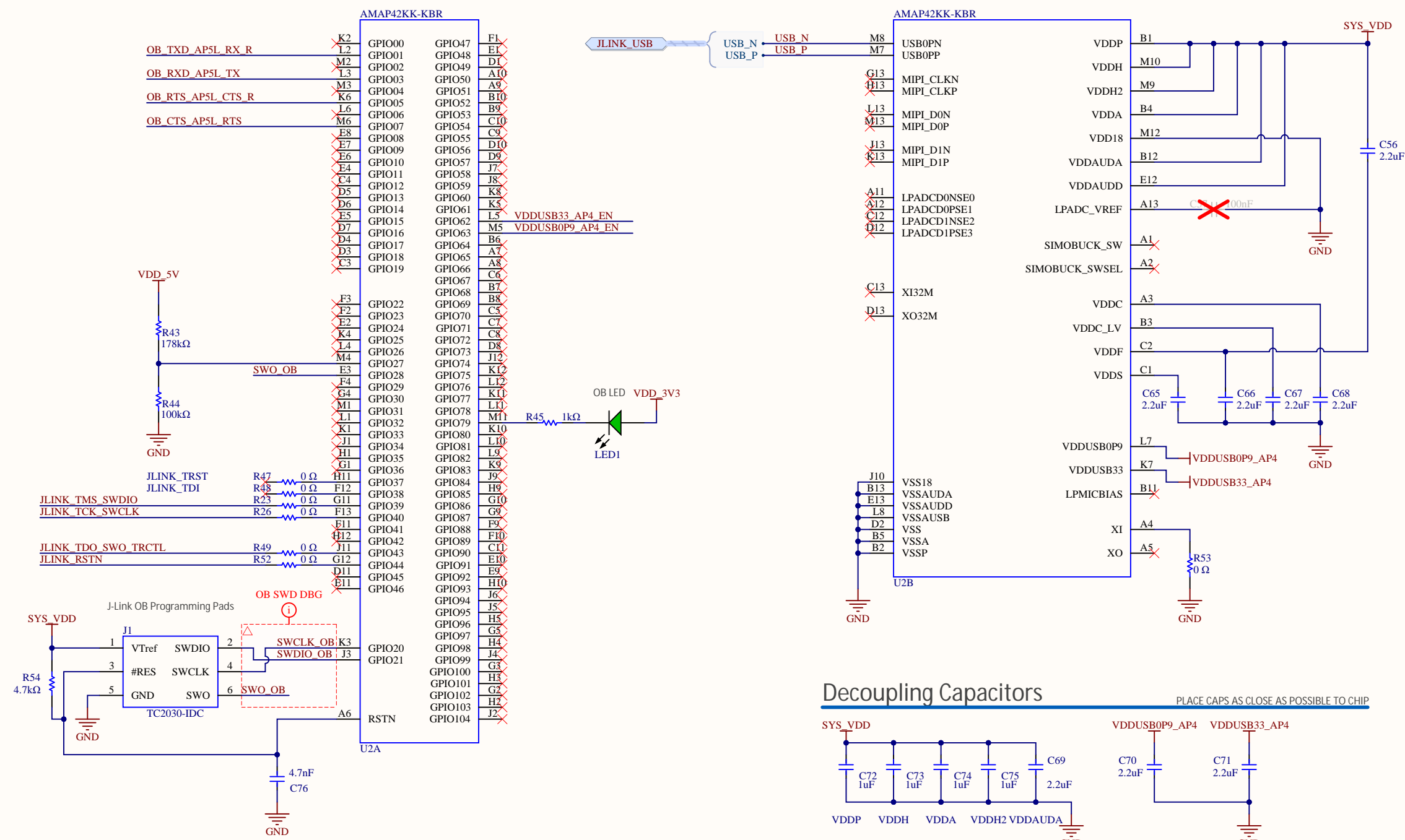
CU

CV

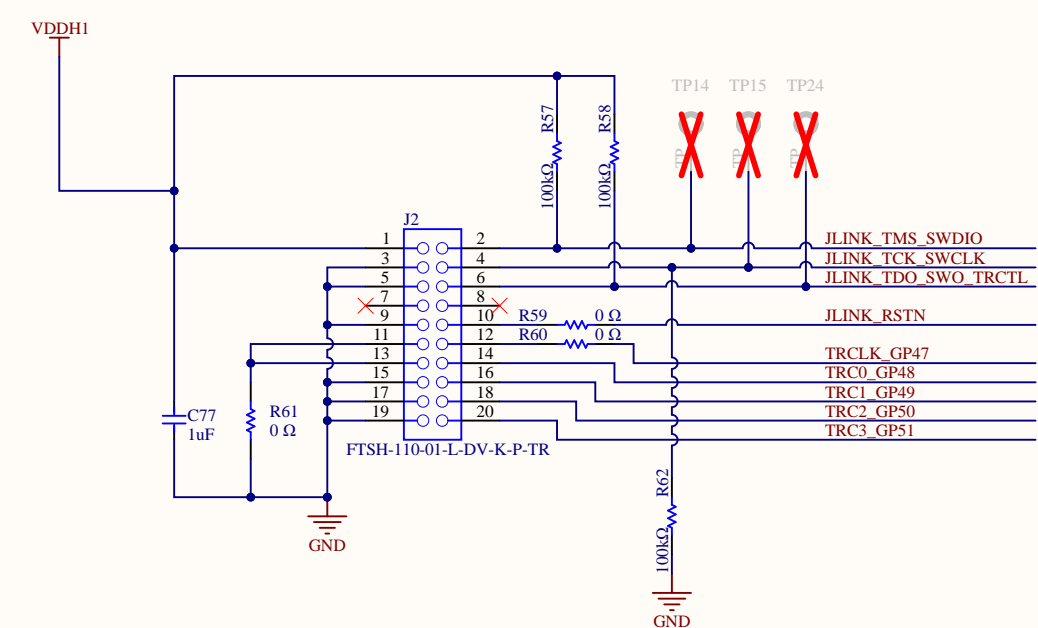
CH

CI

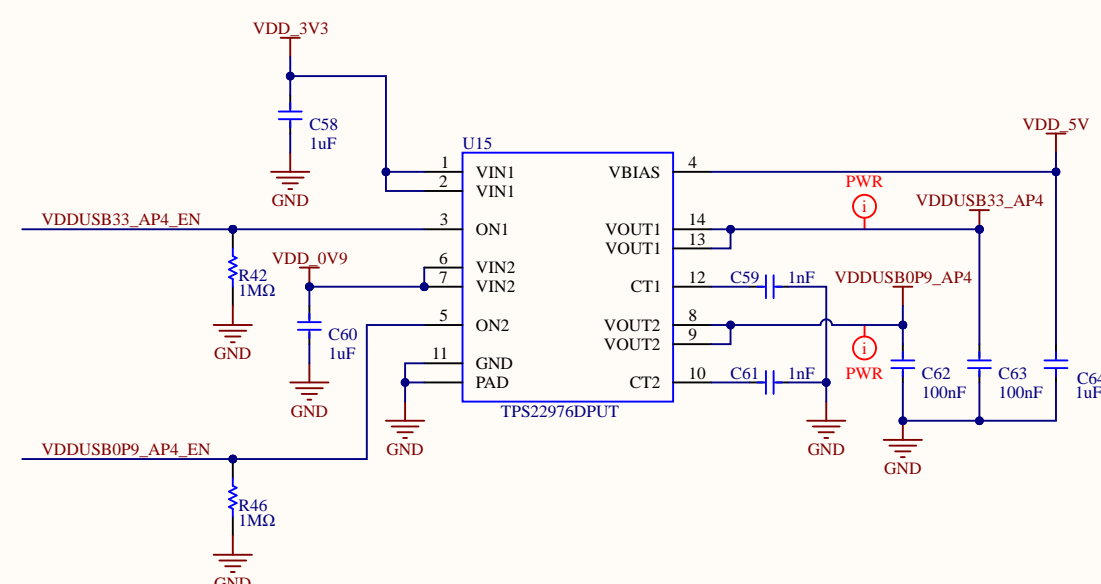
JLINK OB Debugger



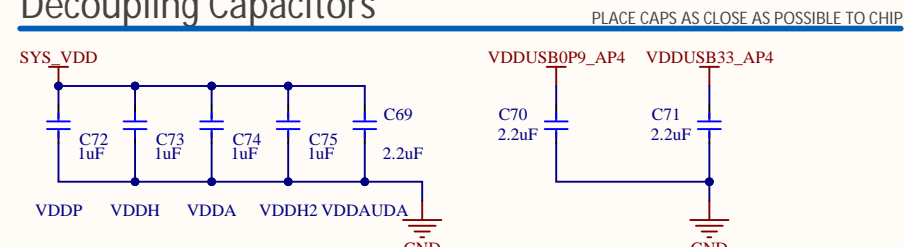
20Pin Cortex Debug + ETM



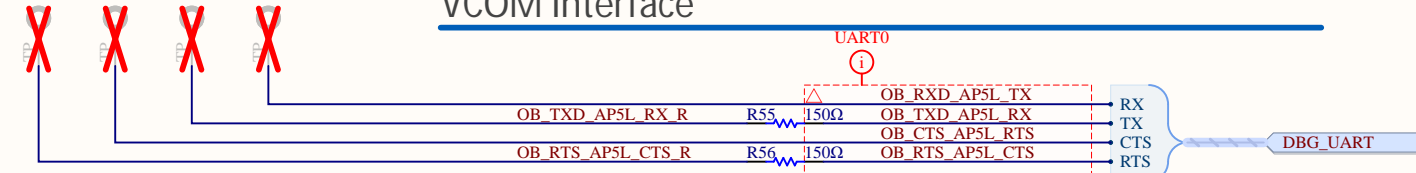
USB Sequencing for OB



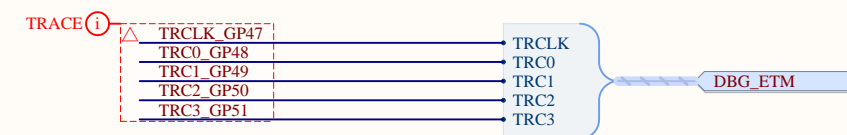
Decoupling Capacitors



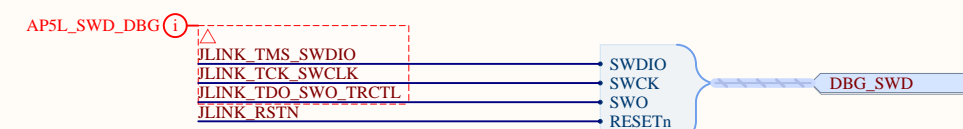
VCOM Interface



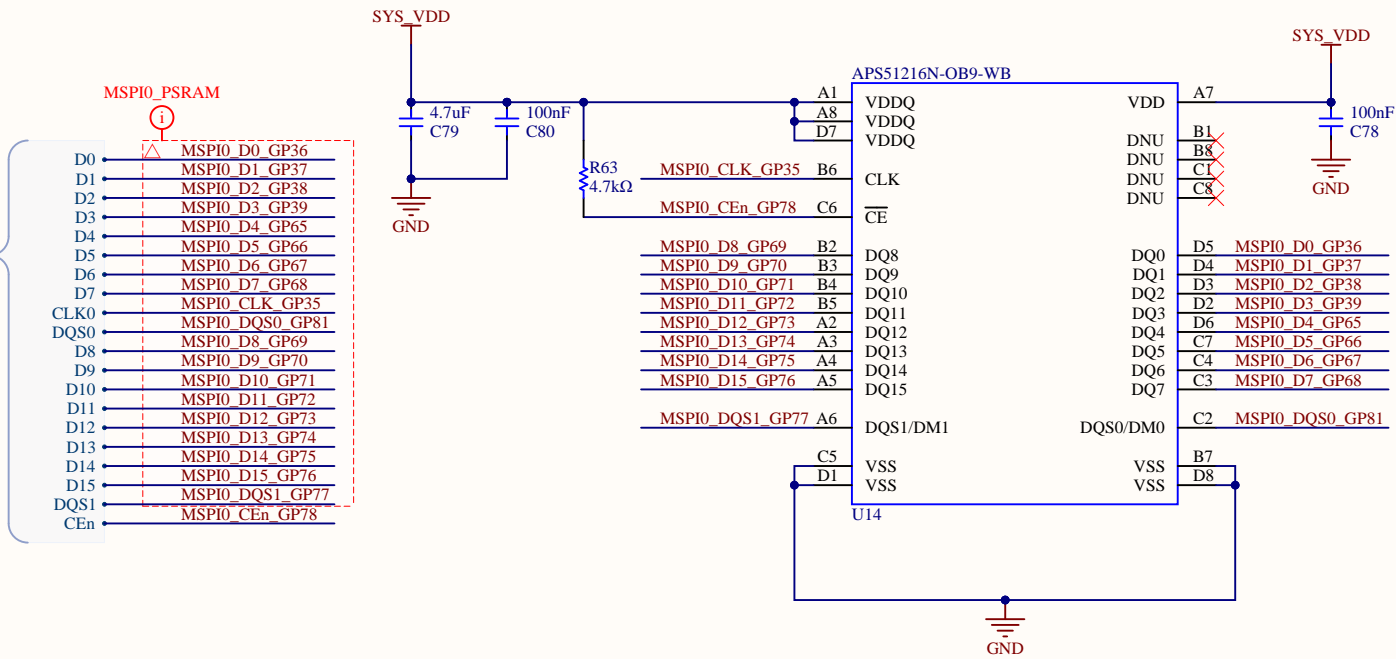
ETM Interface



Target Debug Interface

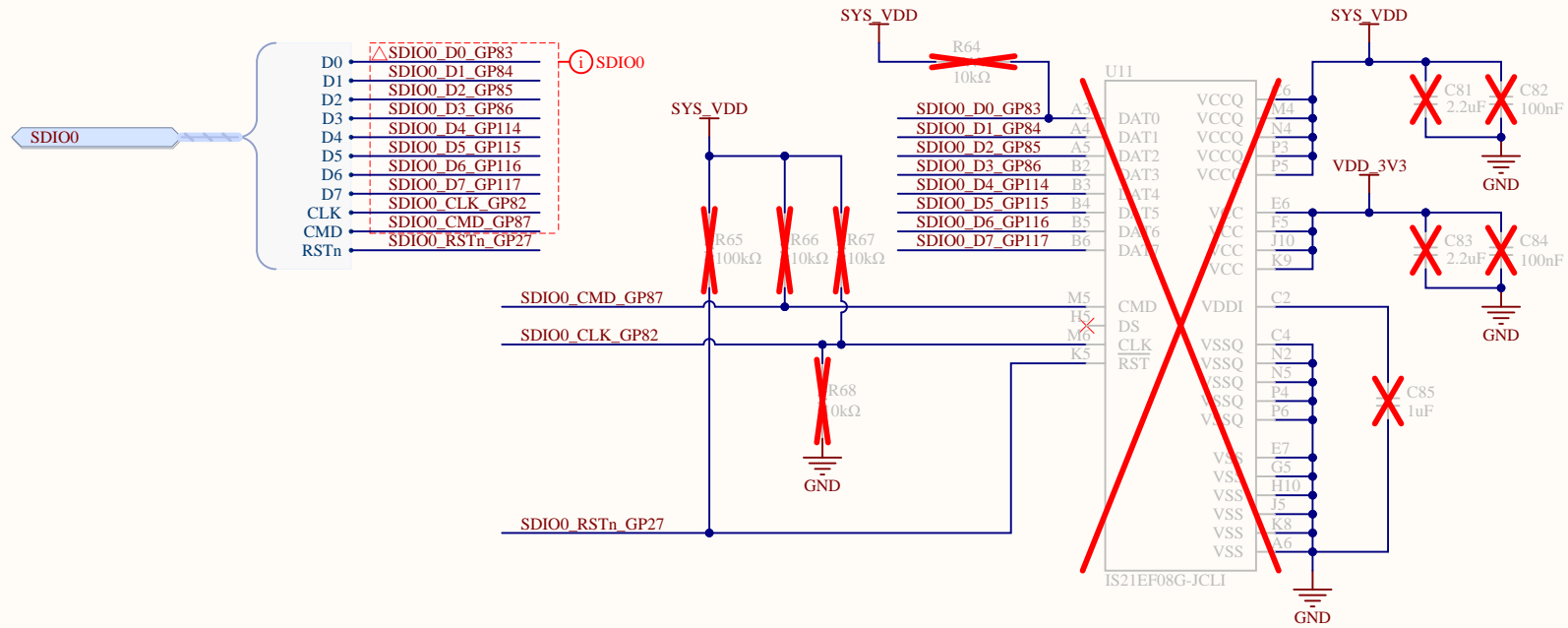



MSPI0 - x16 - PSRAM



SDIOs Ports

eMMC0





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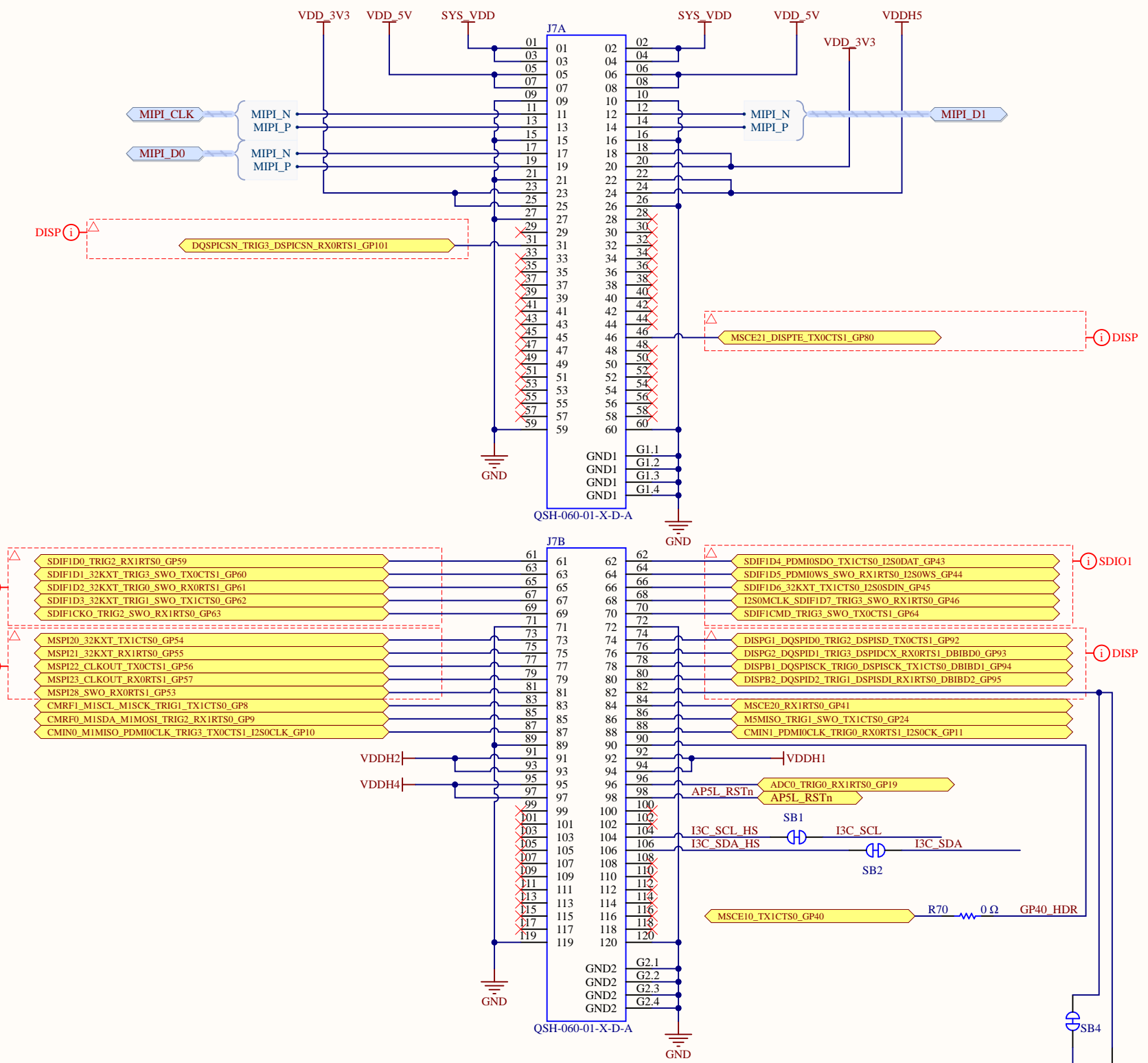
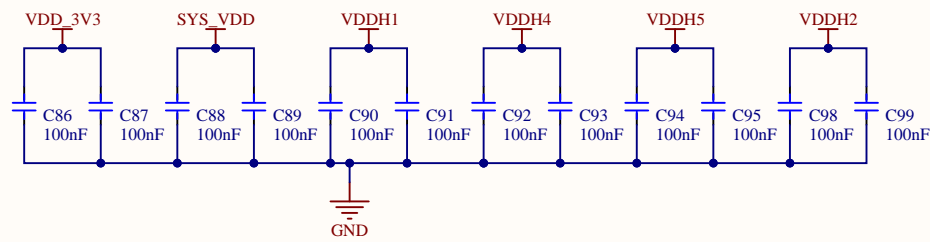
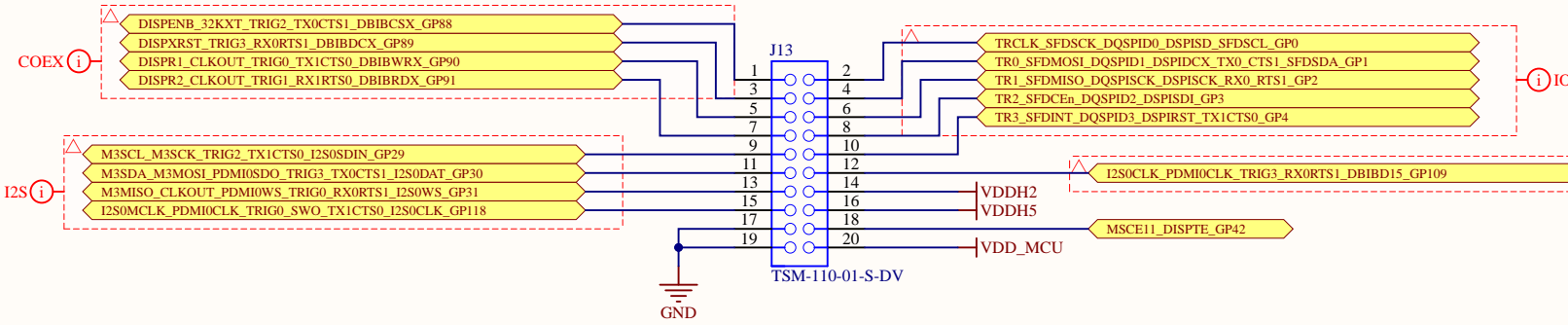
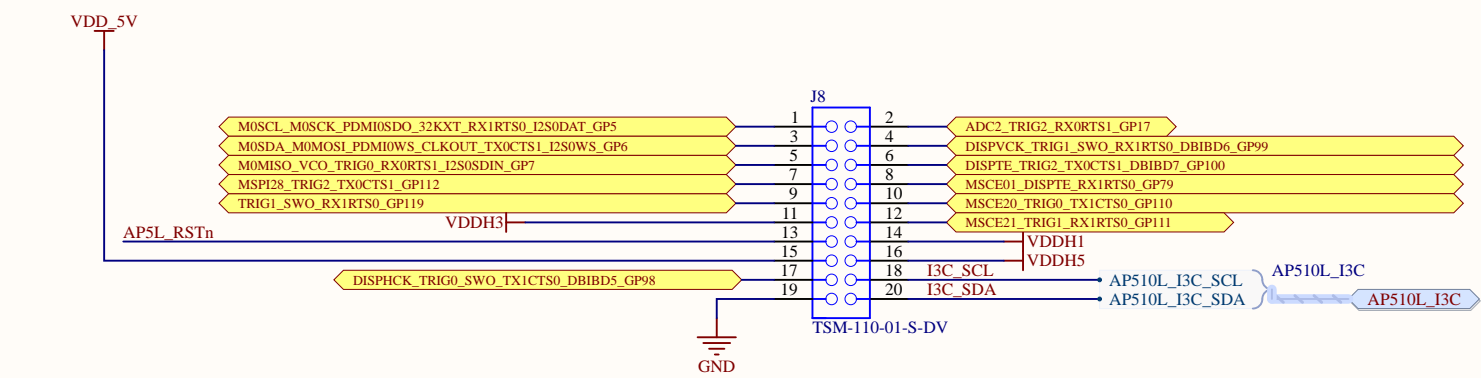
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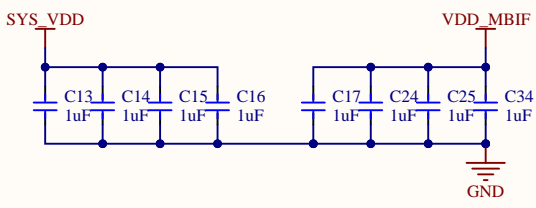
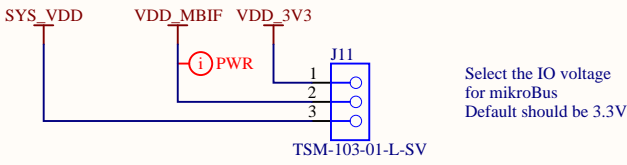
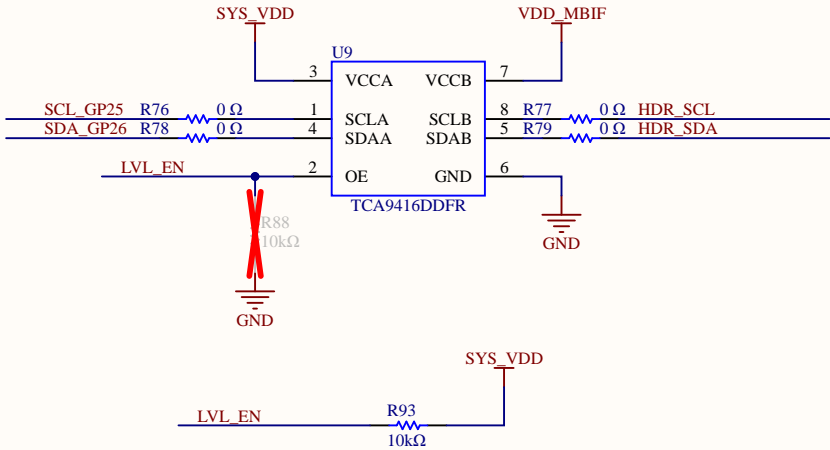
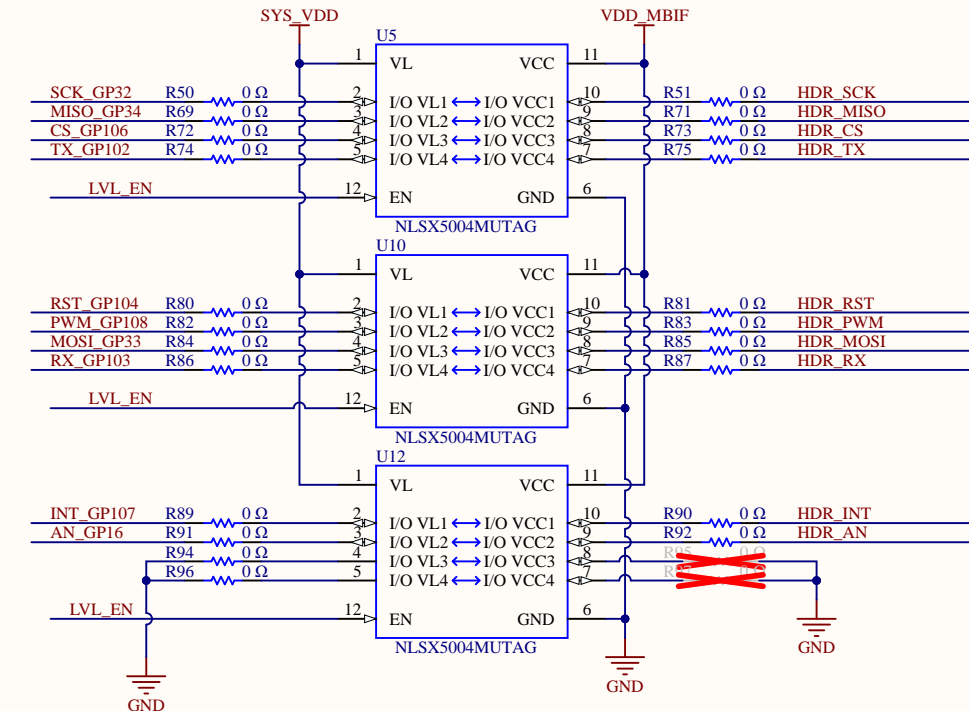
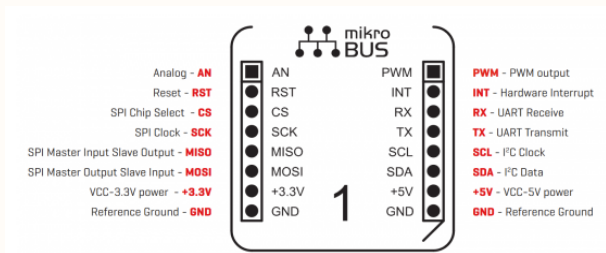
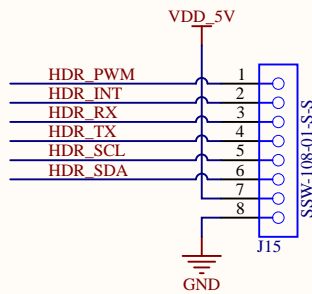
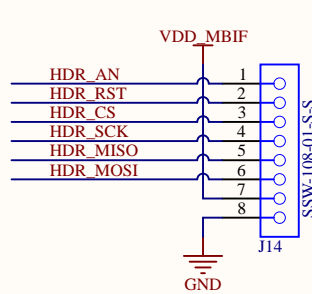
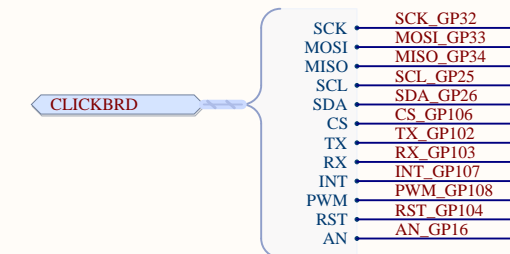
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GPIO Headers

High-Speed Header



ClickBoard Interface



ambiq
endpoint intelligence

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ClickBoard Interface
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2/2/2026
Number
AP510DLEVB

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