
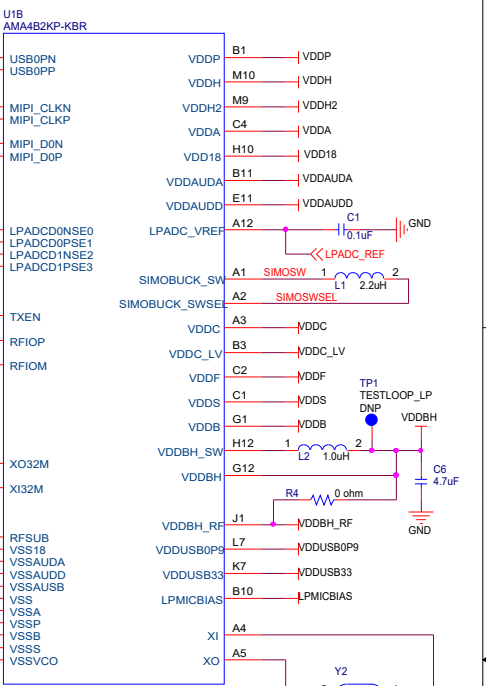
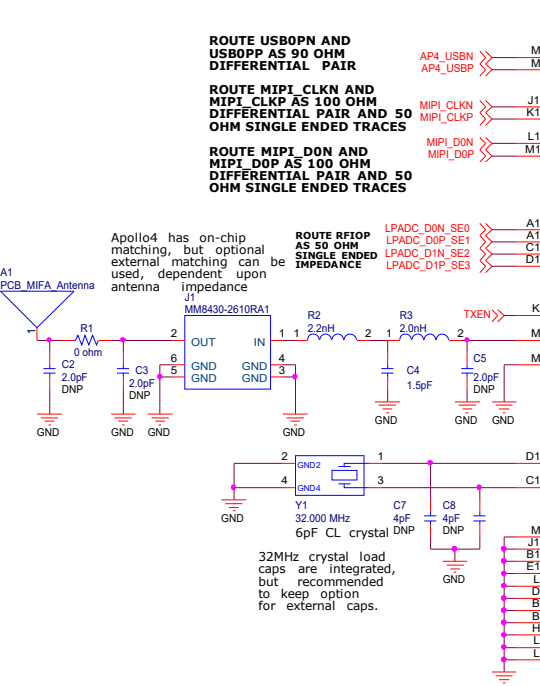
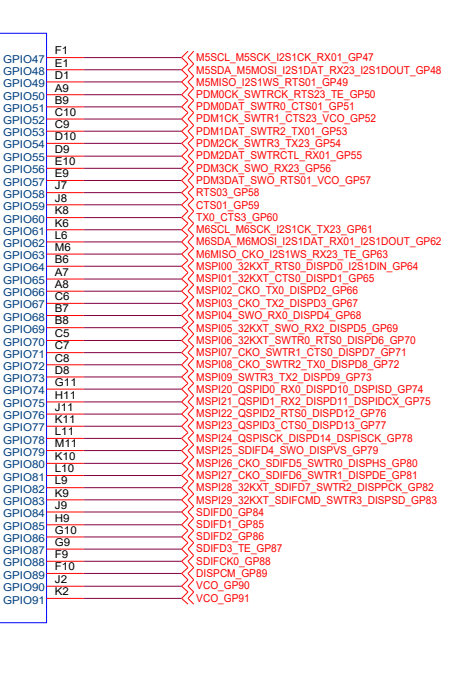
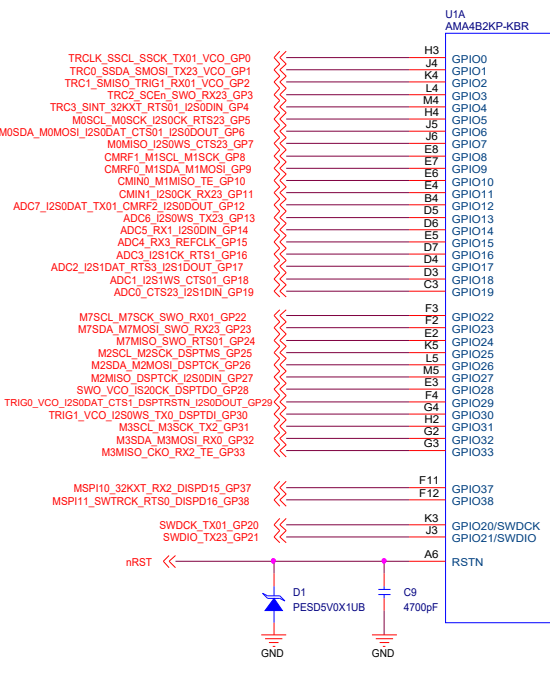


1/24/2022

1) Initial Release

P01: Revision History

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P02: Apollo 4 Blue Plus MCU

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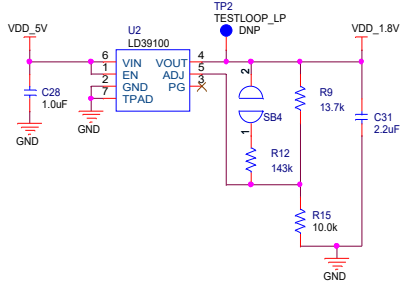
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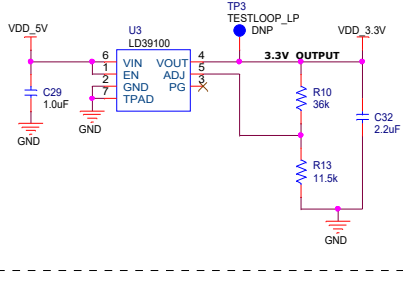
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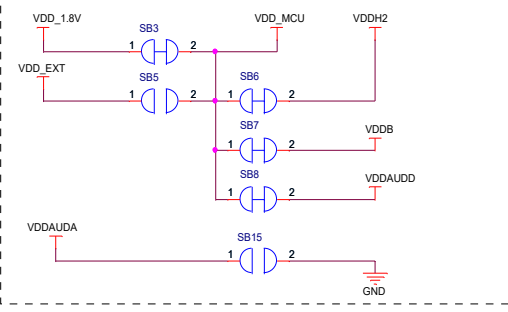
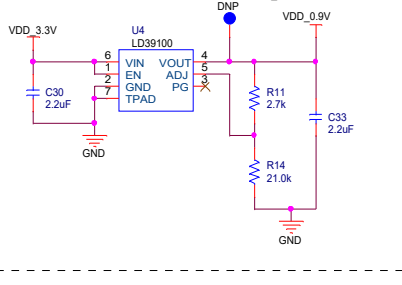
**1.9V REGULATOR** 1.9V Default. Connect SB51 for 1.8V



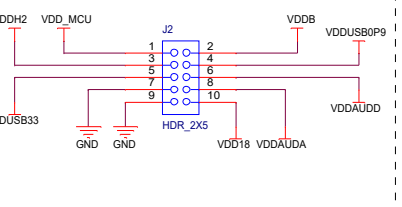
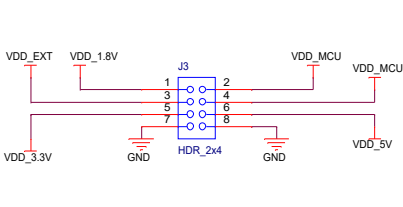
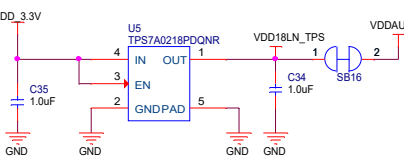
**3.3V REGULATOR**



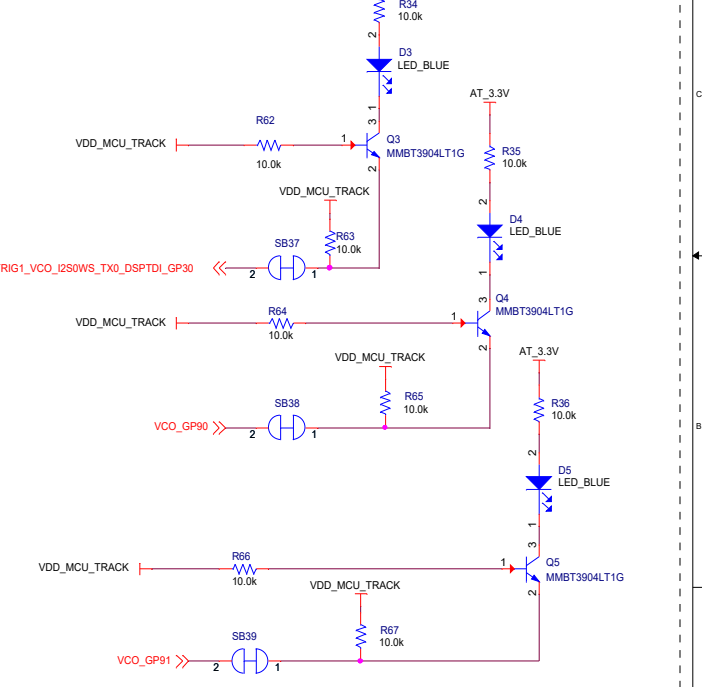
**FALCON 0.9V USB SUPPLY**



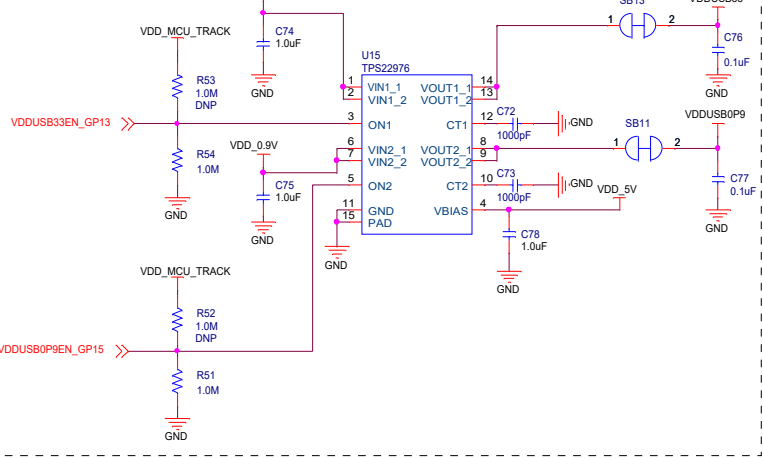
**1.8V LOW NOISE SUPPLY**



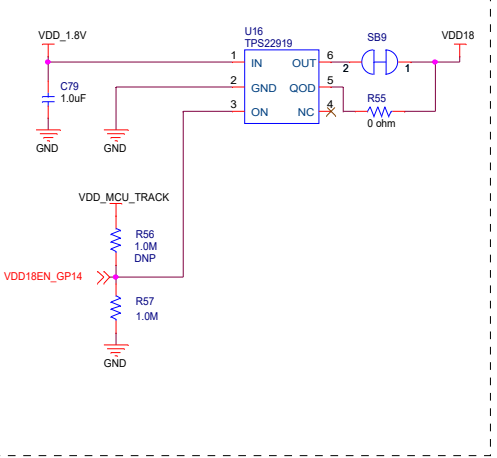
**LED GPIO Solder-Bridges**



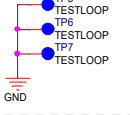
**USB SEQUENCING**



**MIPI SEQUENCING**



**GND TEST LOOPS**

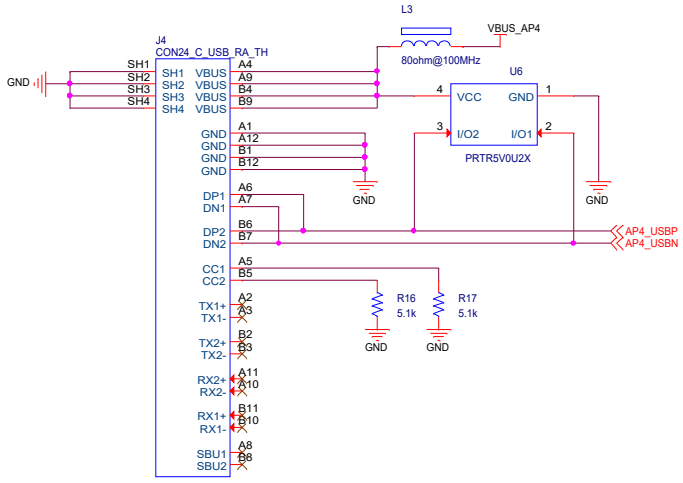


**P03: Power Supplies**

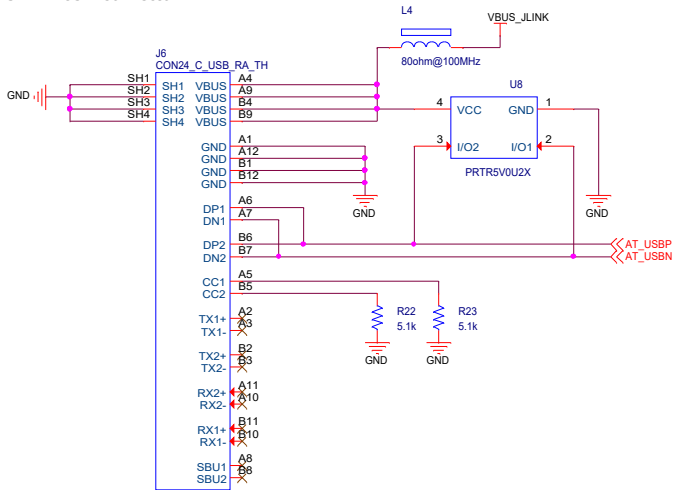
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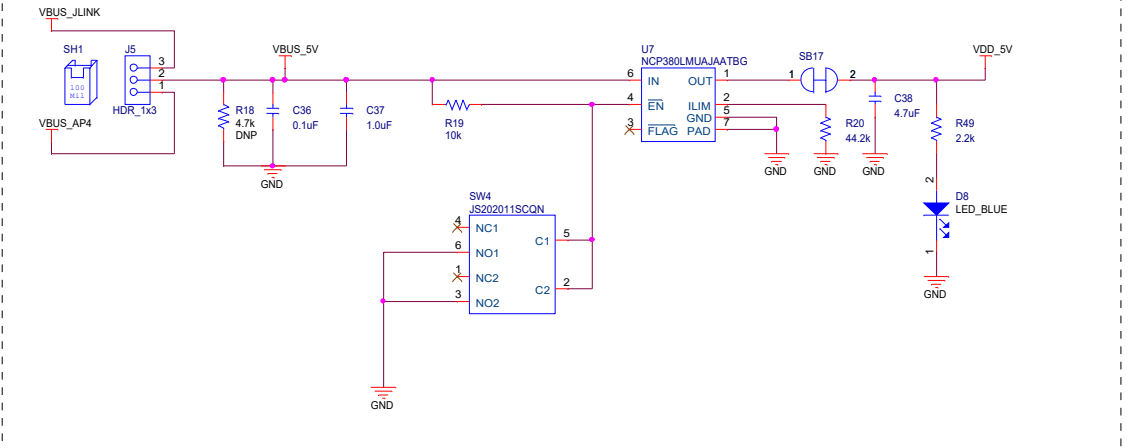
### AP4 USB Connector



### J-Link USB Connector



### 5V Source Select & USB Protection Circuit



### P04: USB

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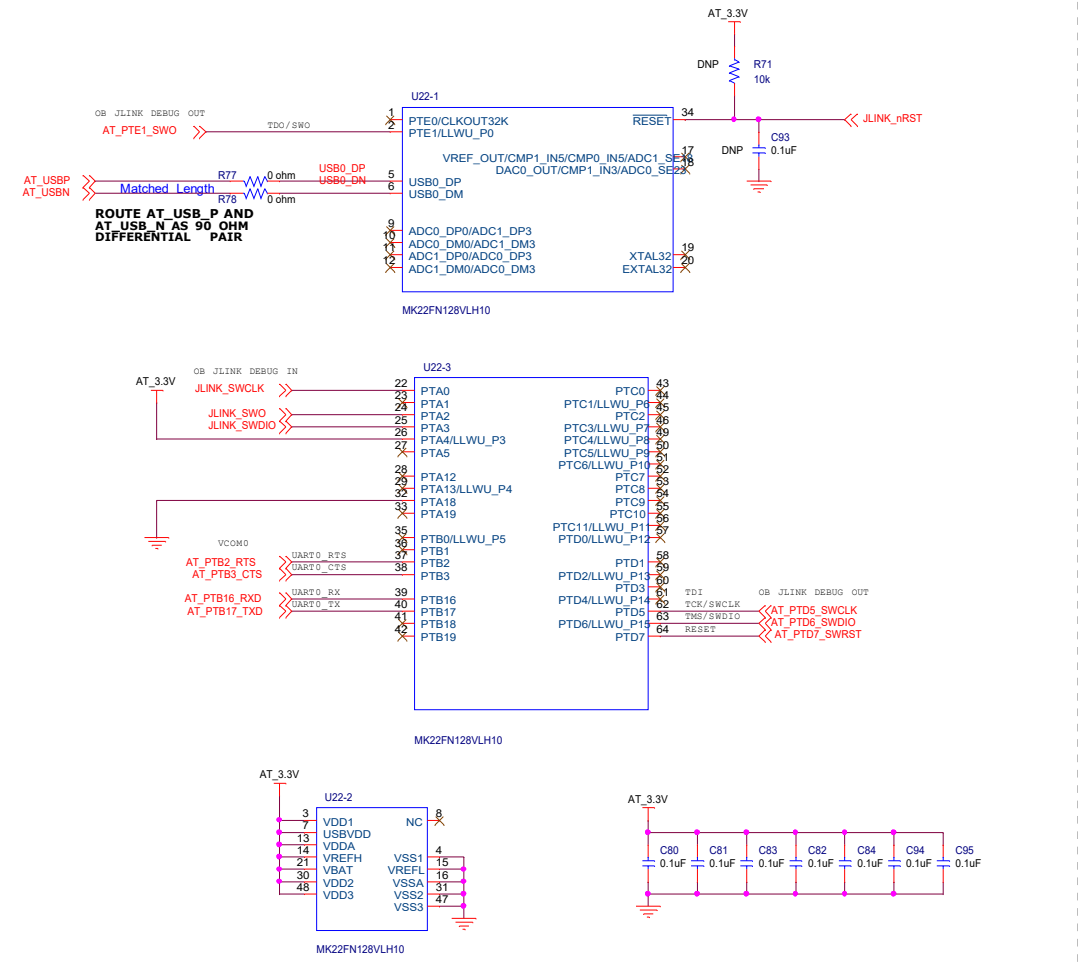
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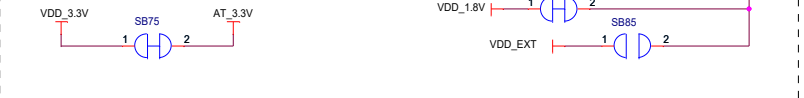
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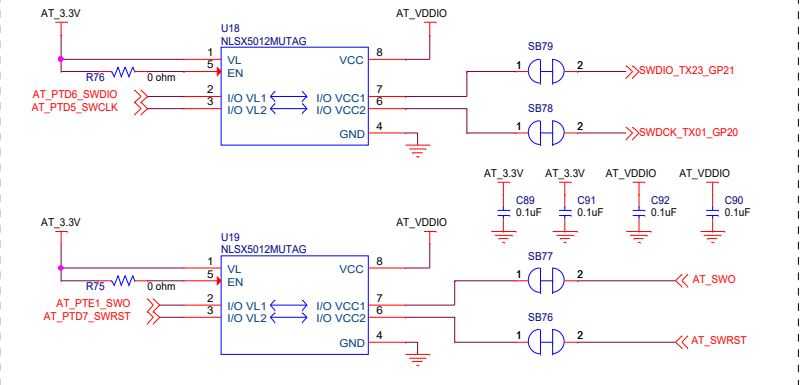
### J-Link Onboard Debugger



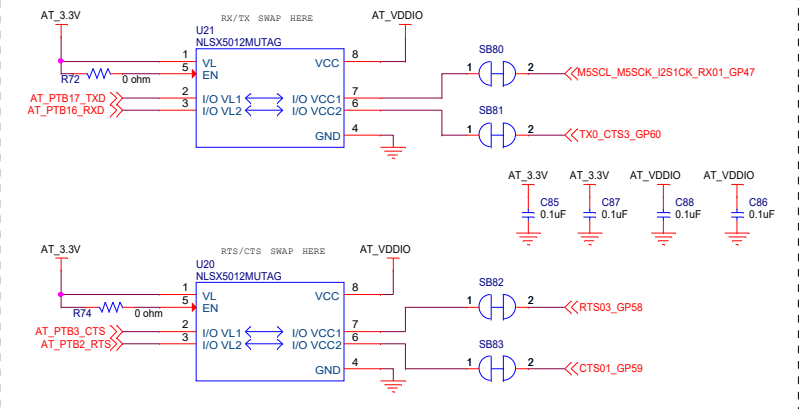
### J-Link Voltage Disconnect Solder-Bridges



### J-Link SWD Connections and Level Translation



### J-Link To AP4 UART Solder-Bridges and Level Translation



### P05: Debugger

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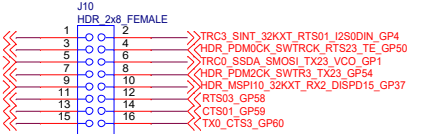
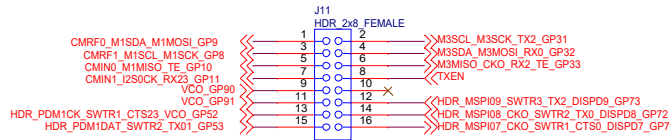
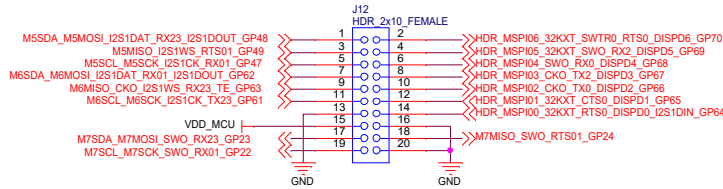
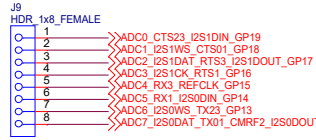
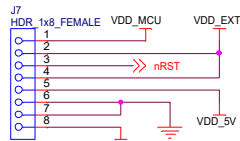
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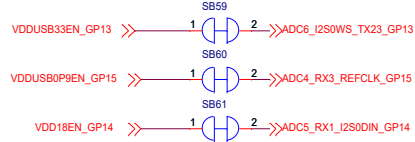
### Arduino-Style GPIO Headers



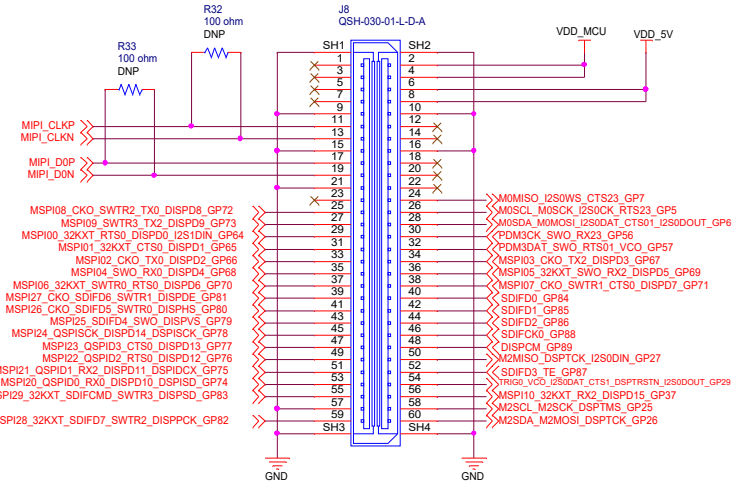
### Display Controller GPIO Solder-Bridges



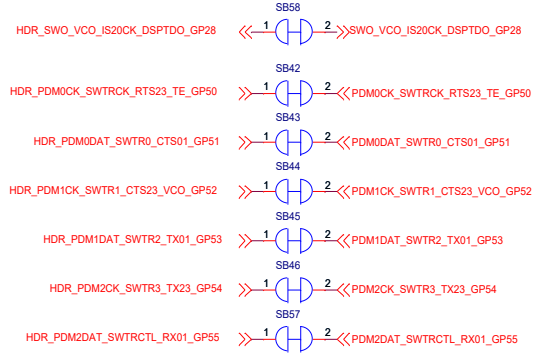
### USB/MIPI Sequence Control



### High-Speed Header



### Debug Signal to GPIO Connector Solder-Bridges



### P06: GPIO Headers

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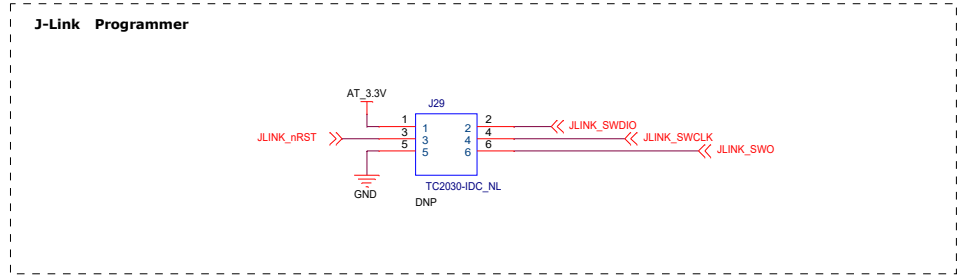
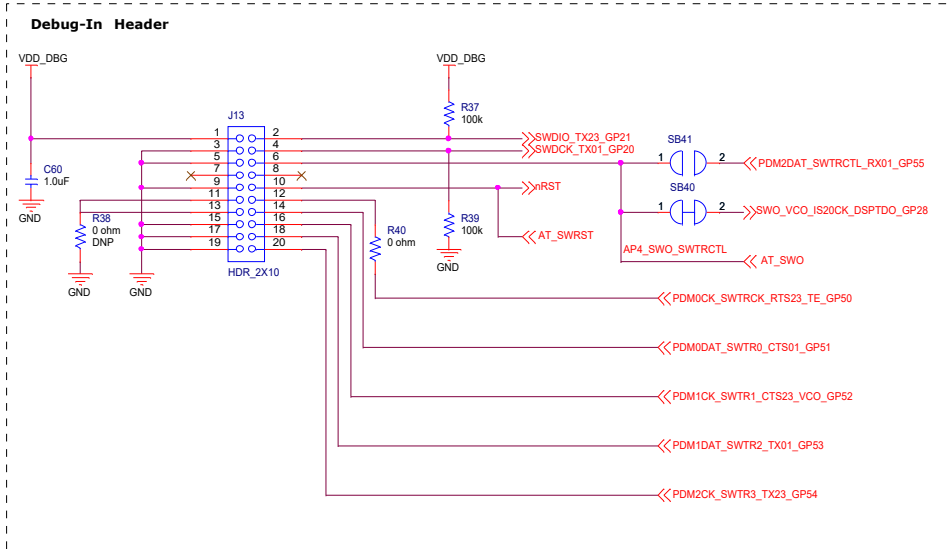
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## P07: Debug Headers and Support

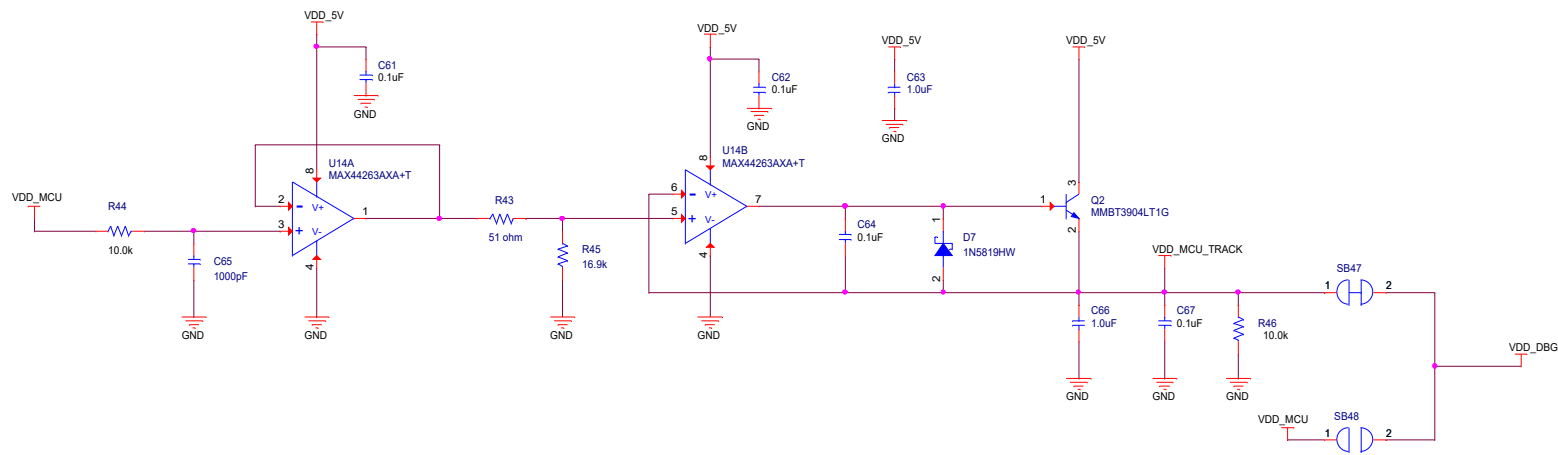
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P08: Power Supply Tracker

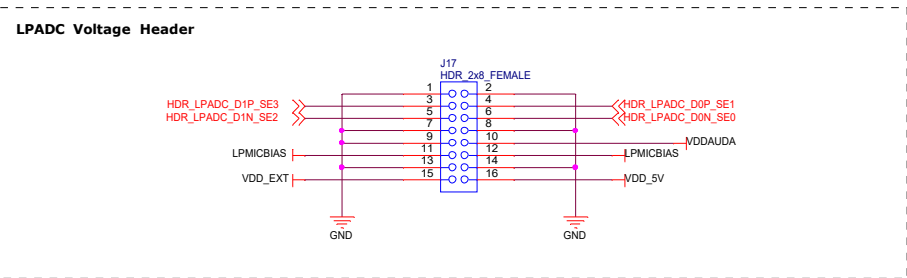
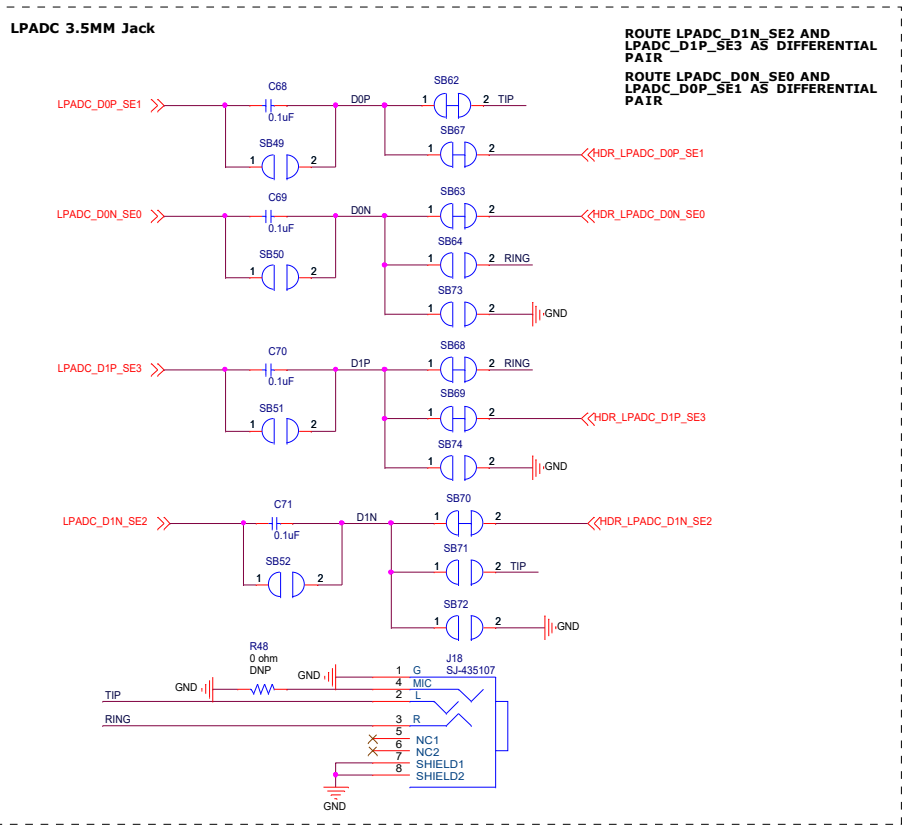
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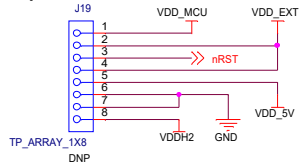
P09: Audio Connections

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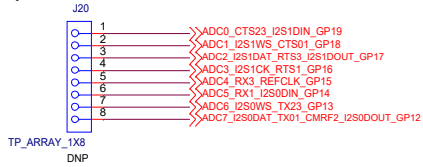
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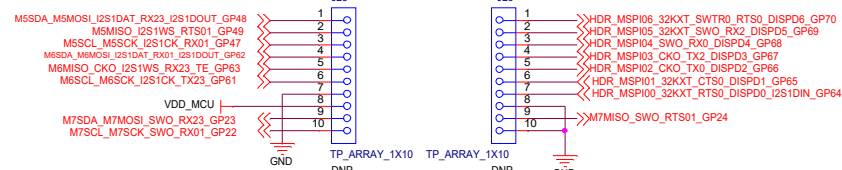
**J7 Testpoints**



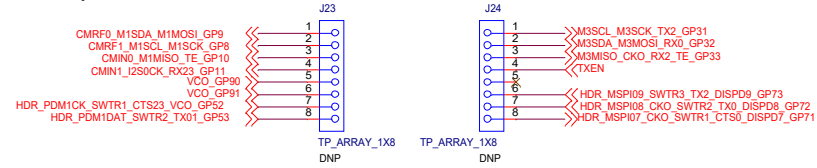
**J9 Testpoints**



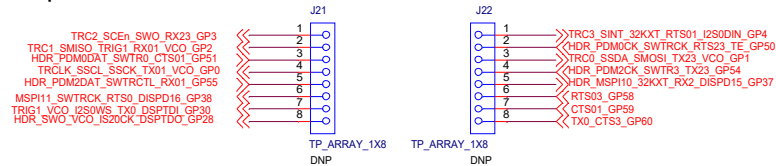
**J12 Testpoints**



**J11 Testpoints**



**J10 Testpoints**



P10: Testpoint Arrays

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