

A

A

B

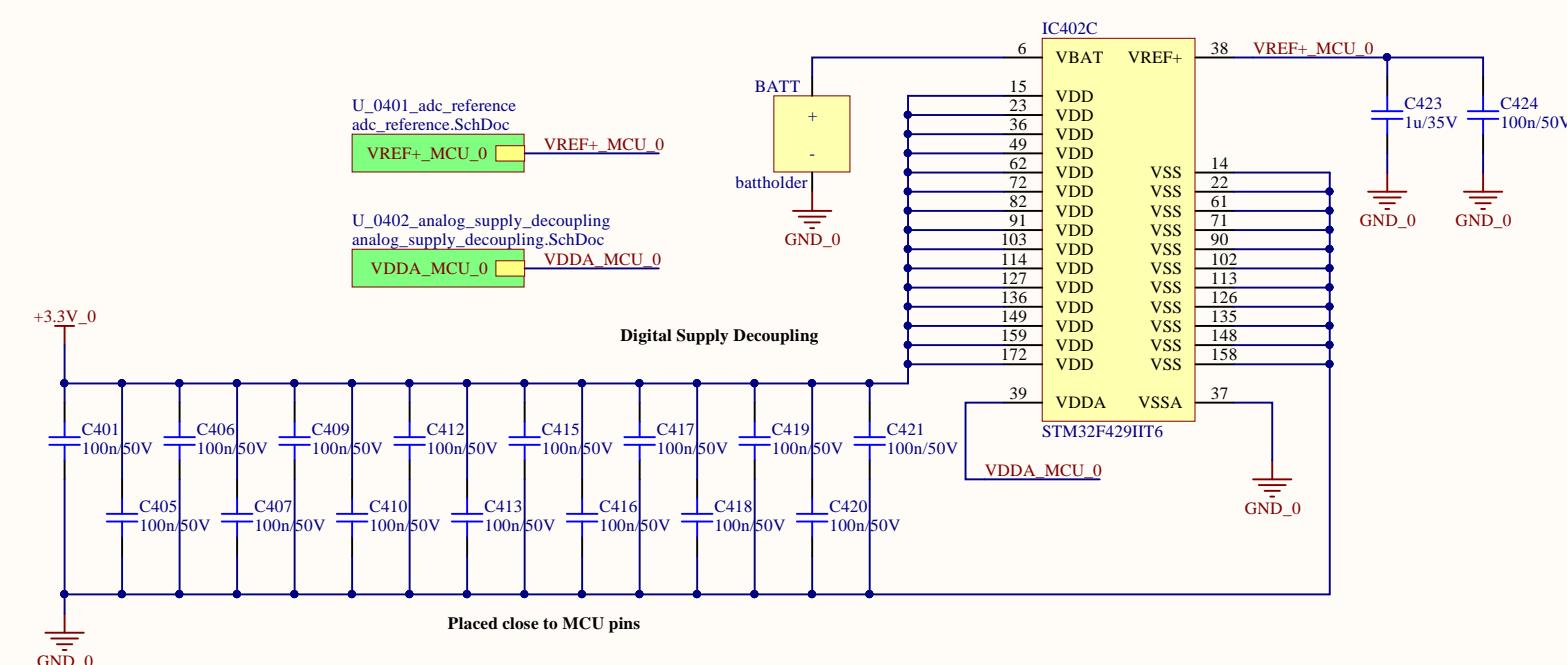
B

C

C

D

D



A

A

B

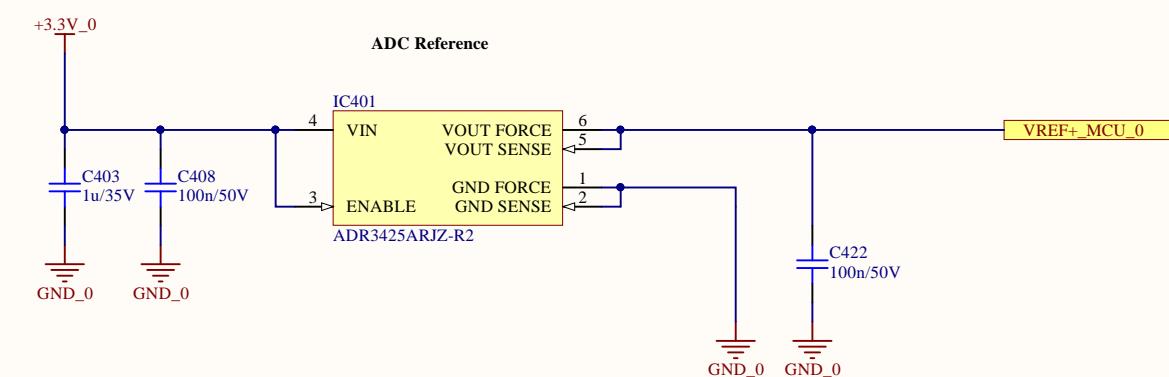
B

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C

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D



A

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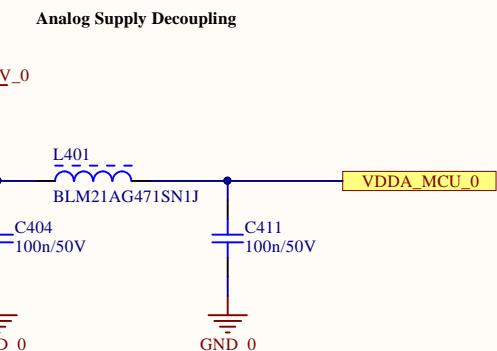
B

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A

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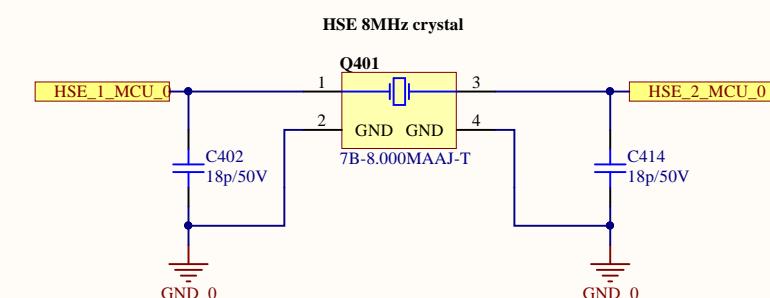
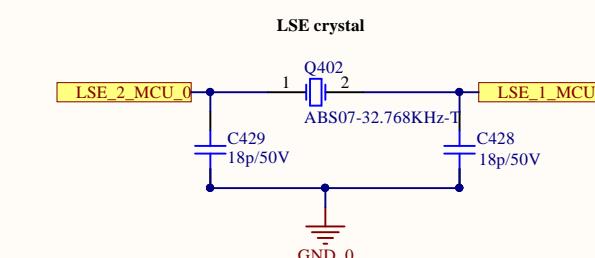
B

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A

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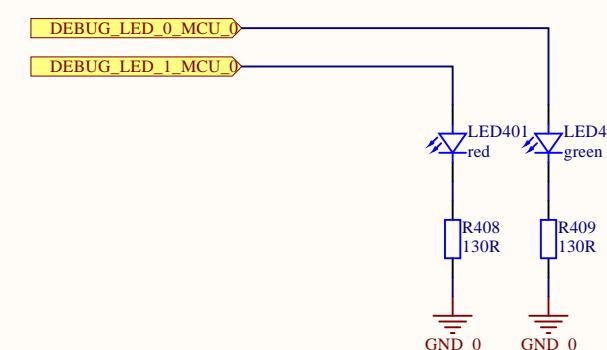
B

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C

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D

Debug LED

A

A

B

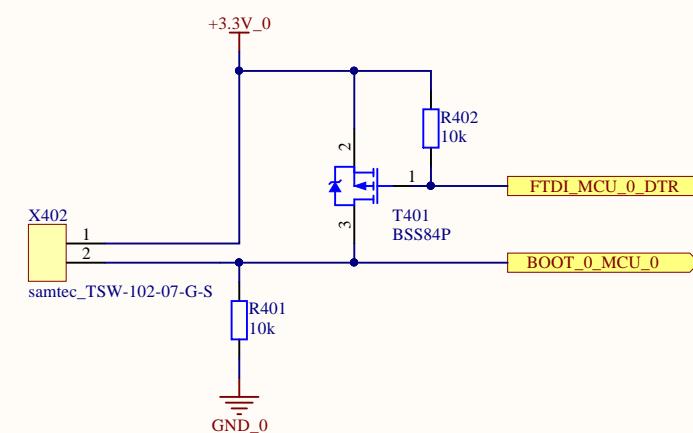
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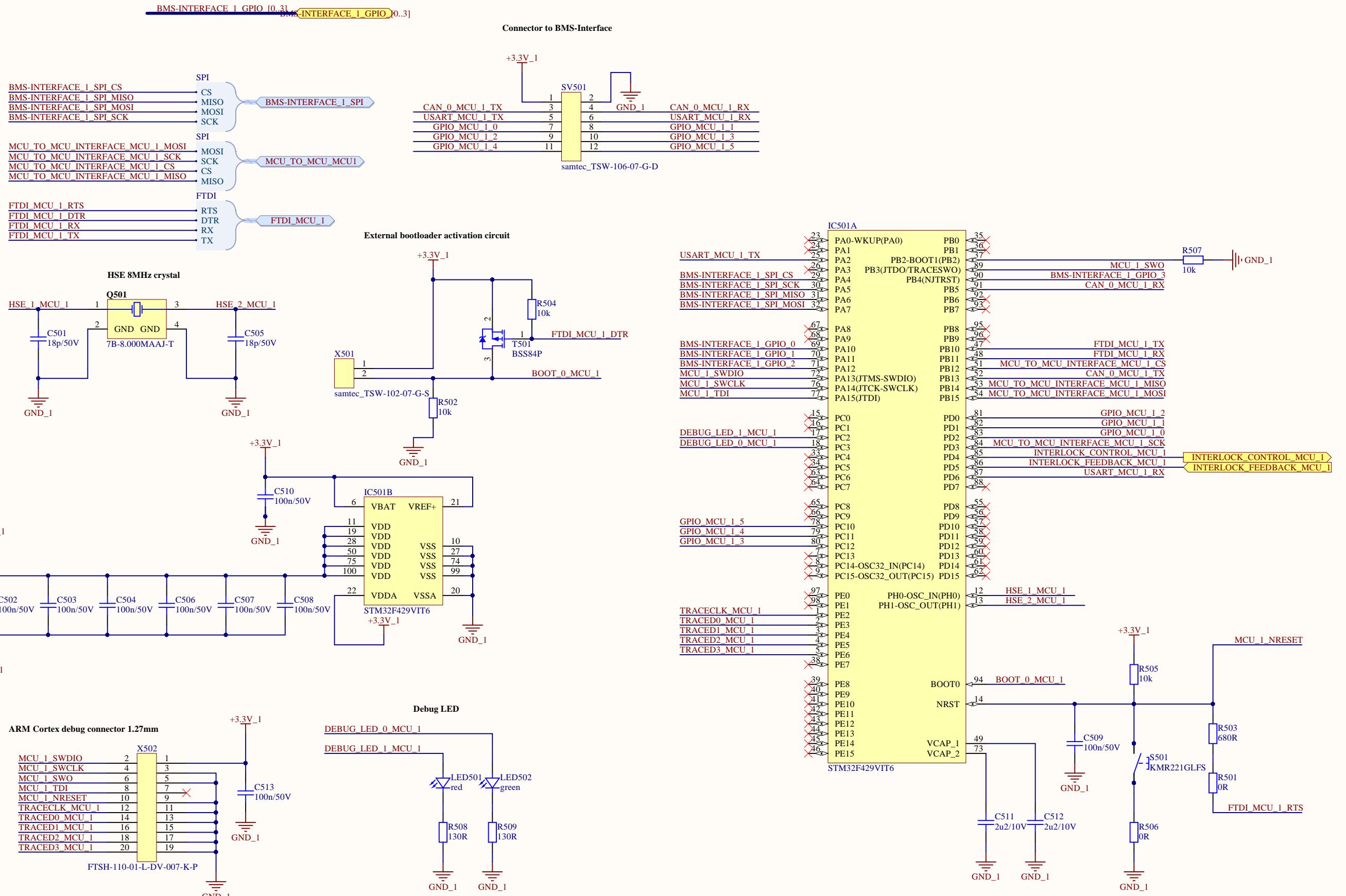
C

C

D

D

External bootload activation circuit

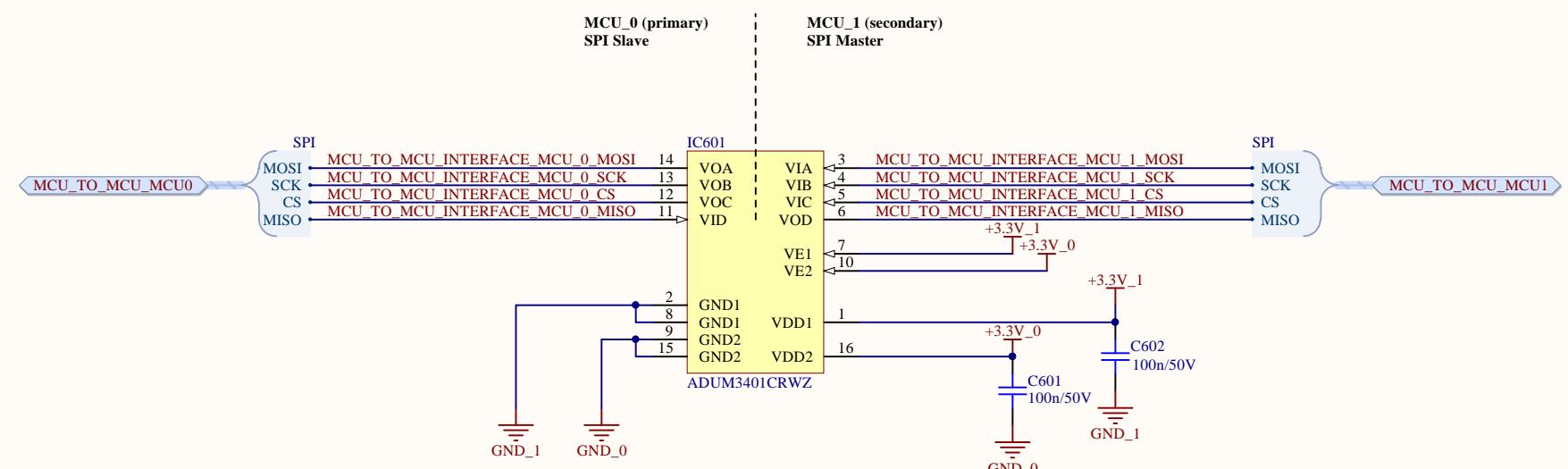


A

A

**Isolated Bidirectional Interface
between MCU_0 (primary) and MCU_1 (secondary)**

SPI up to 45MHz



B

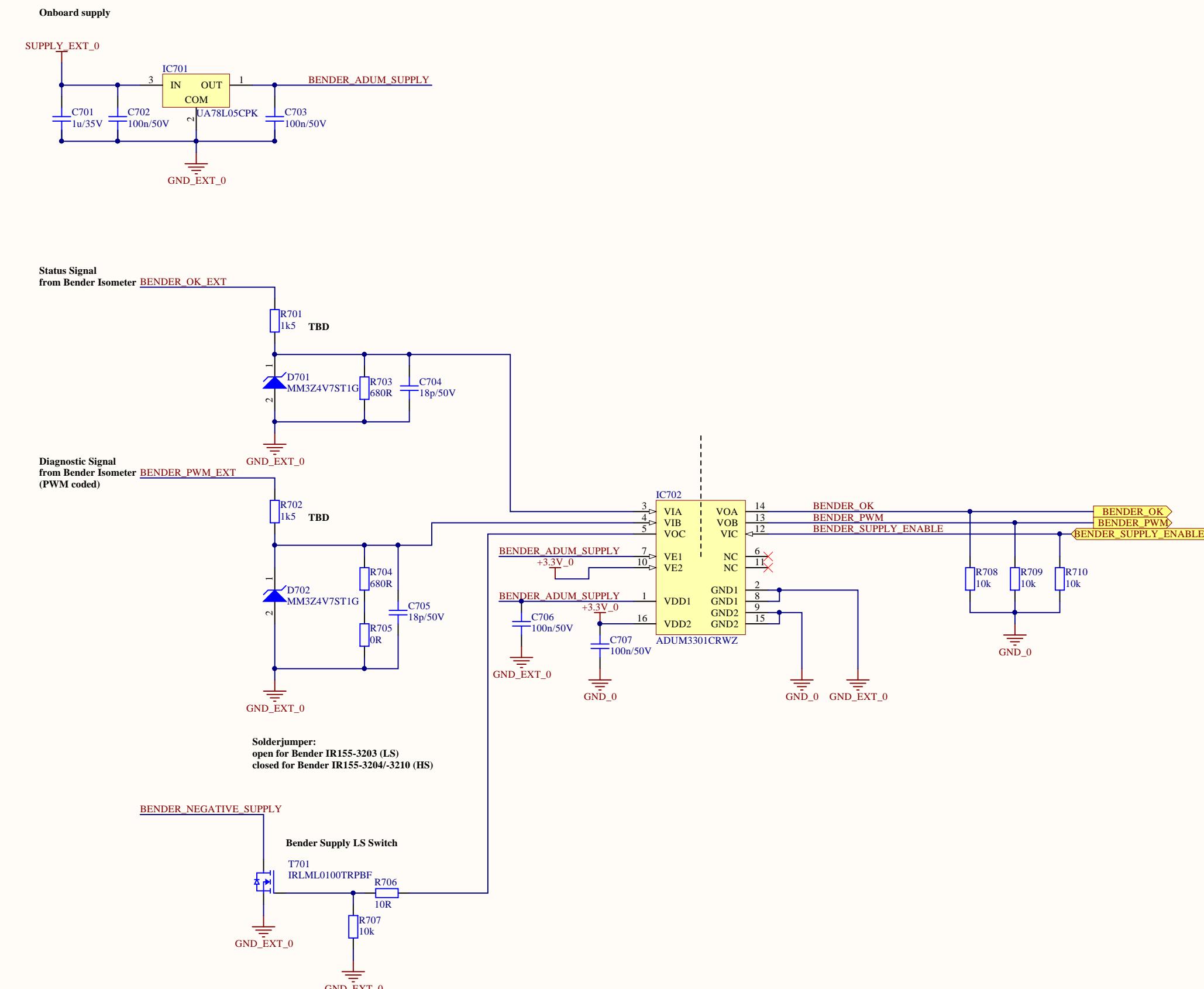
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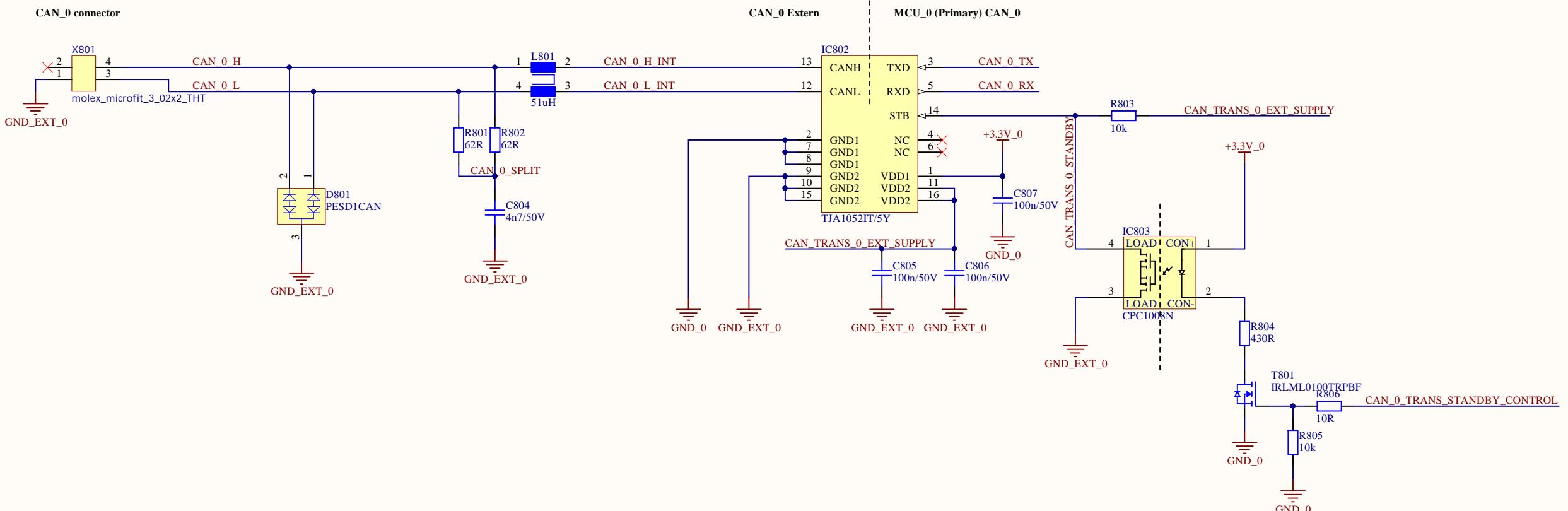
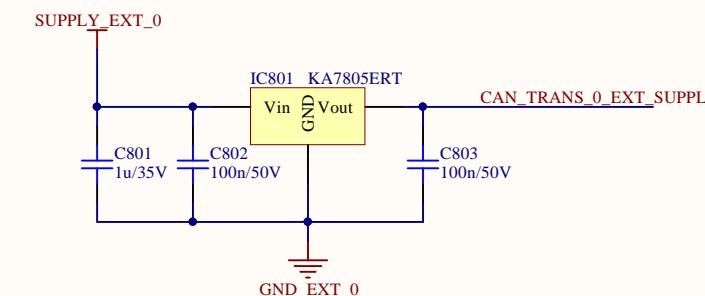
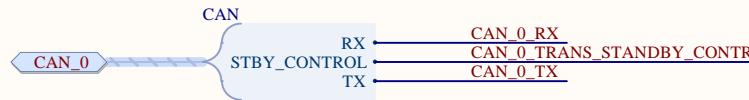
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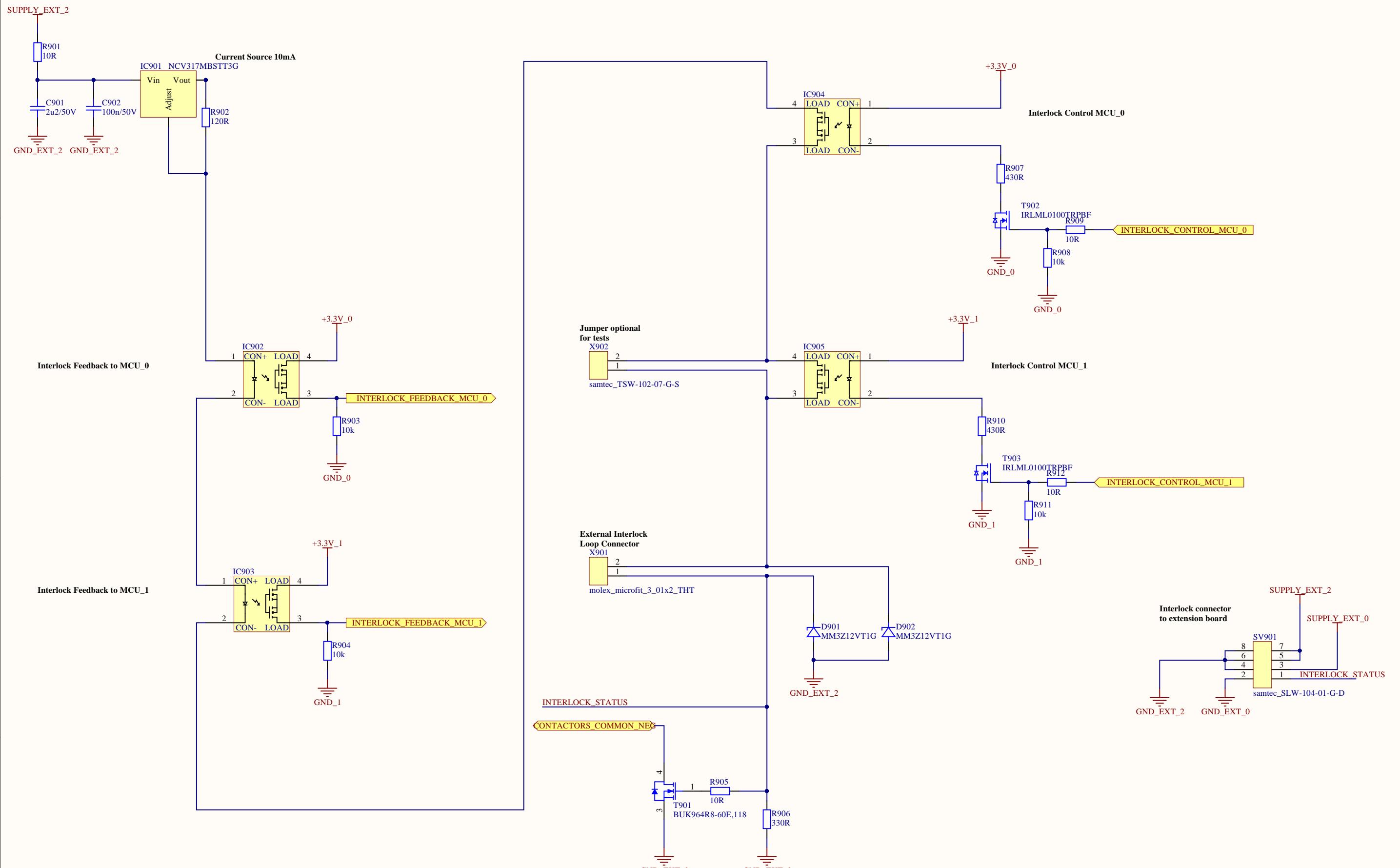
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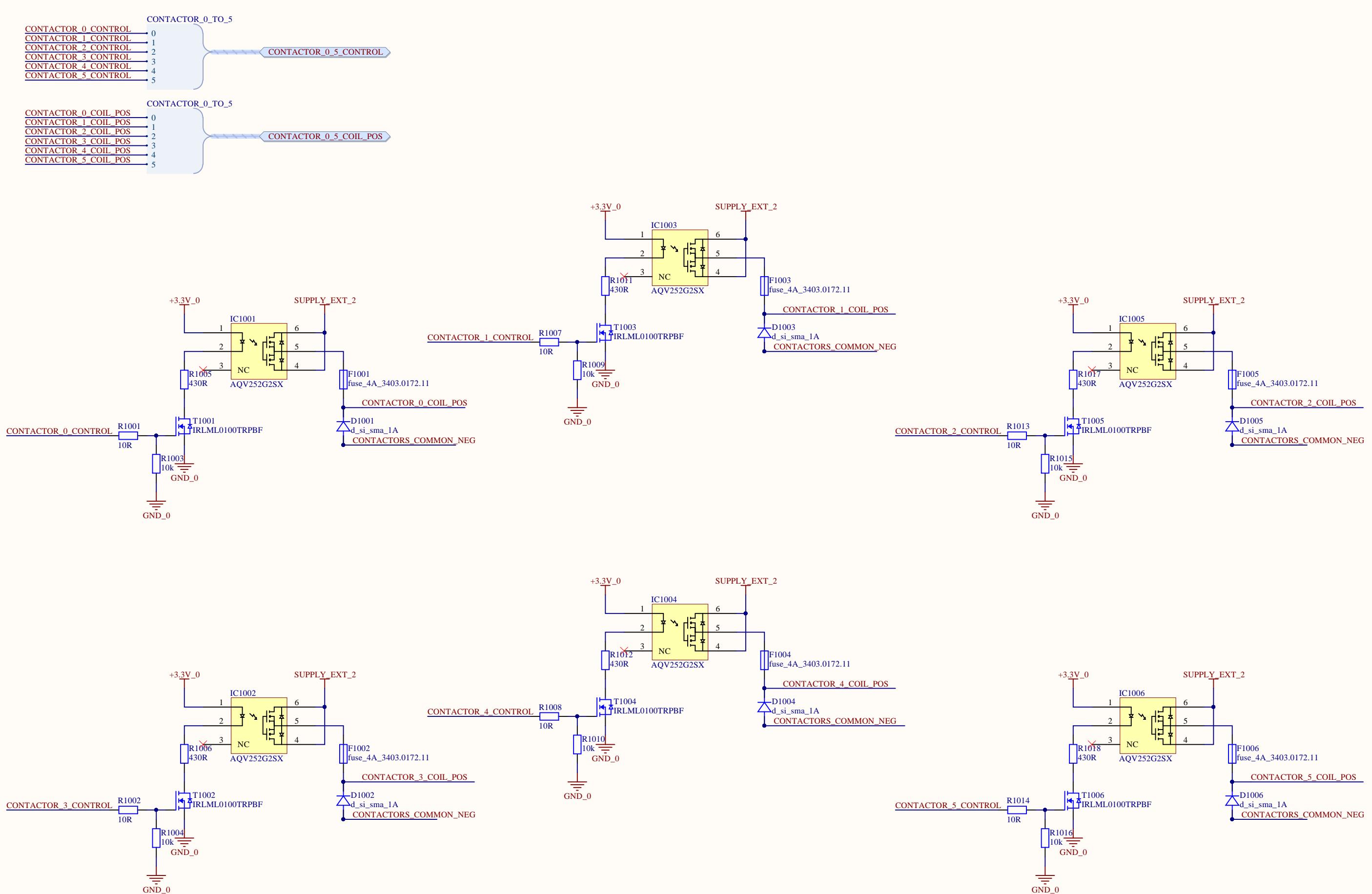
D

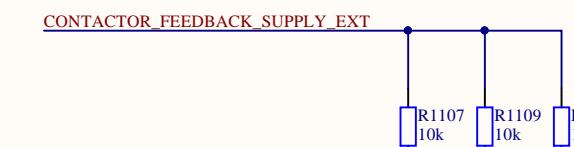
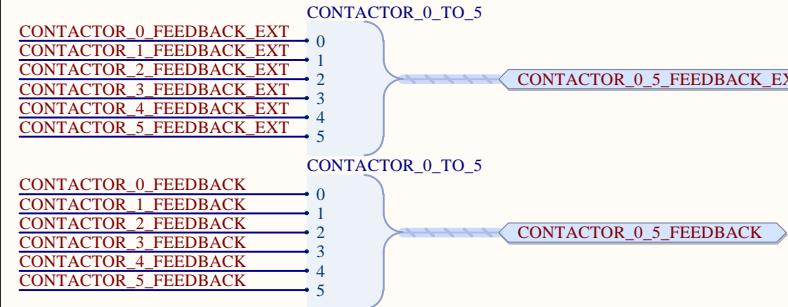
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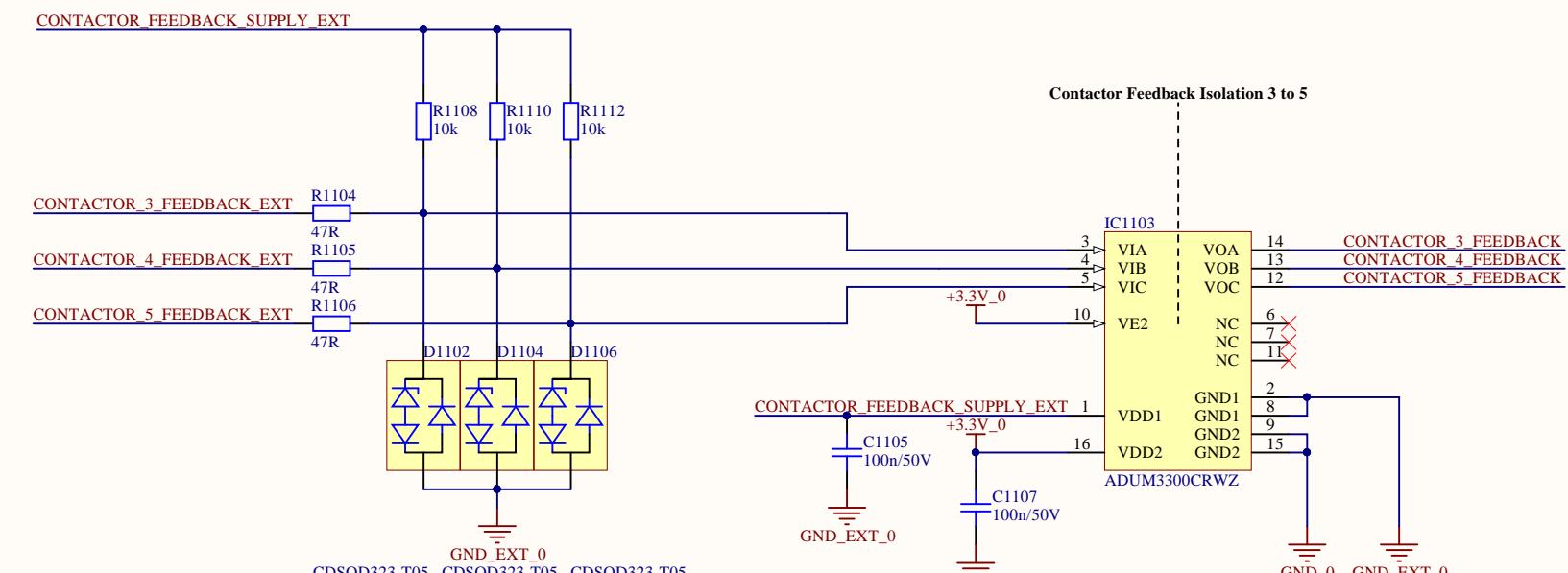
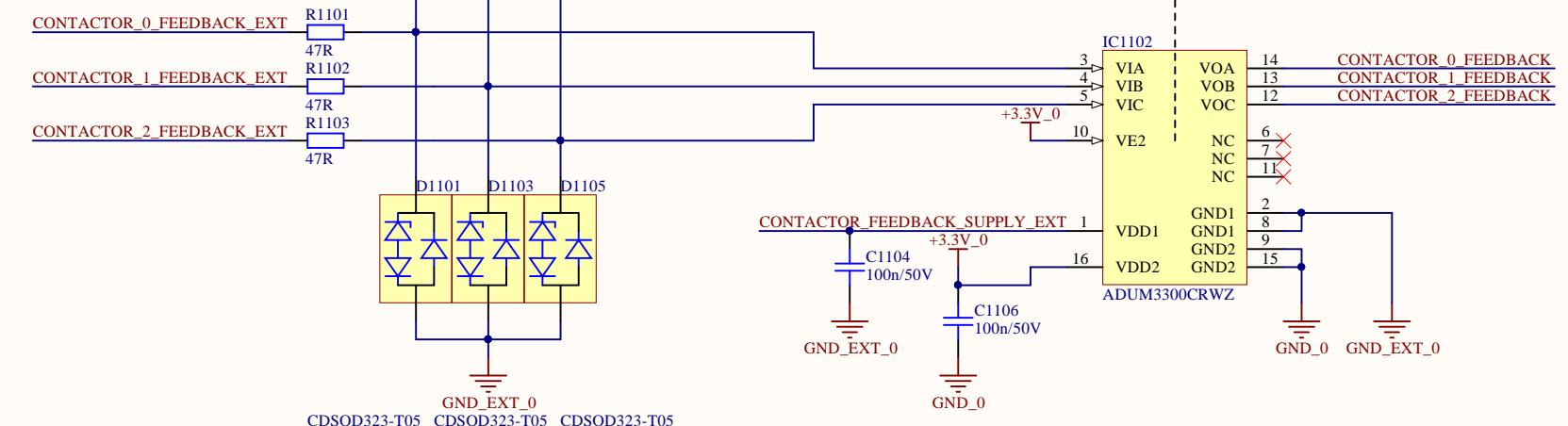


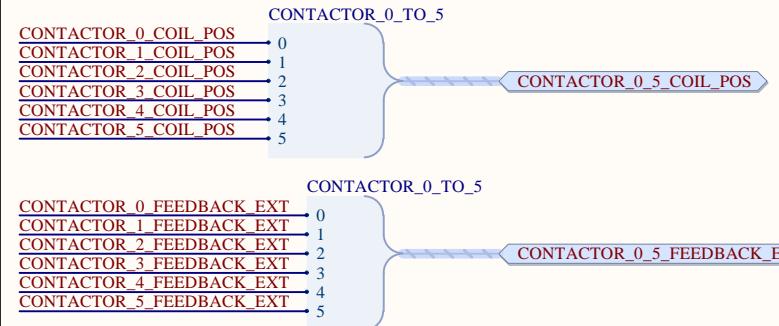




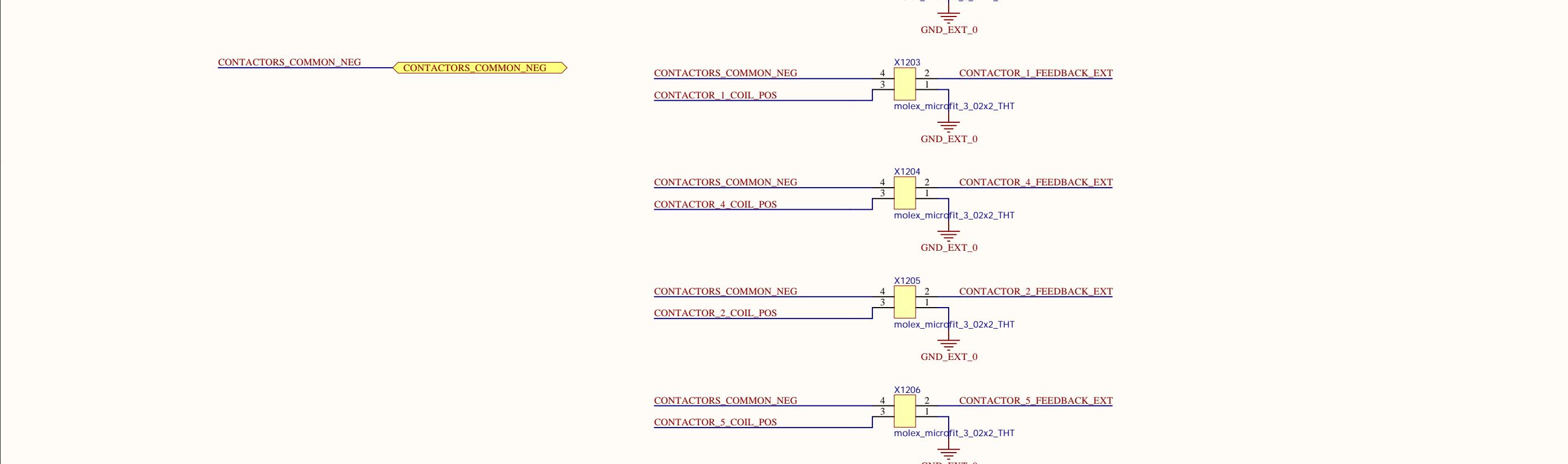


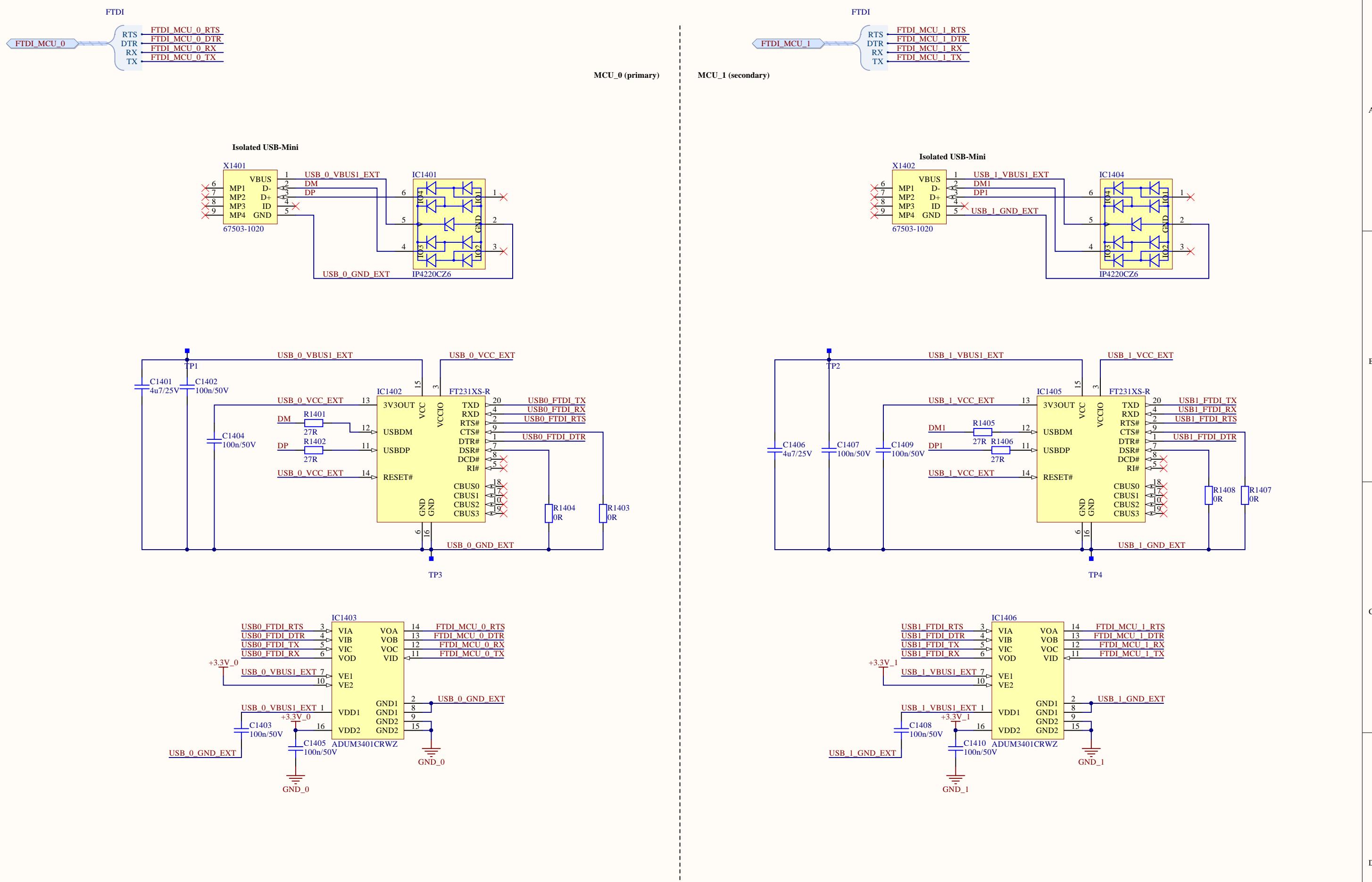
Contactor Feedback Isolation 0 to 2





One connector for each contactor:
 - Coil supply
 - Feedback (auxiliary) contact



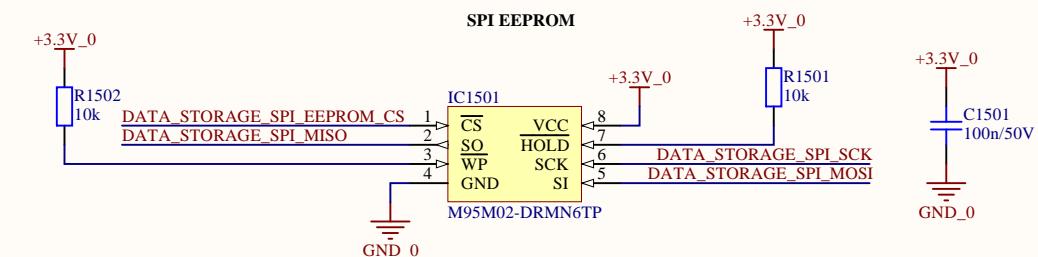


A



A

B



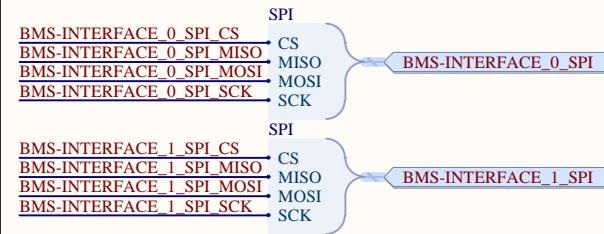
B

C

C

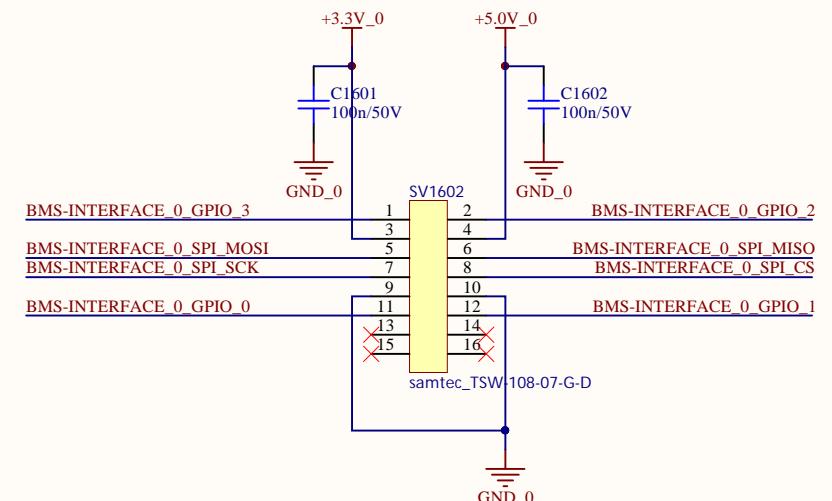
D

D

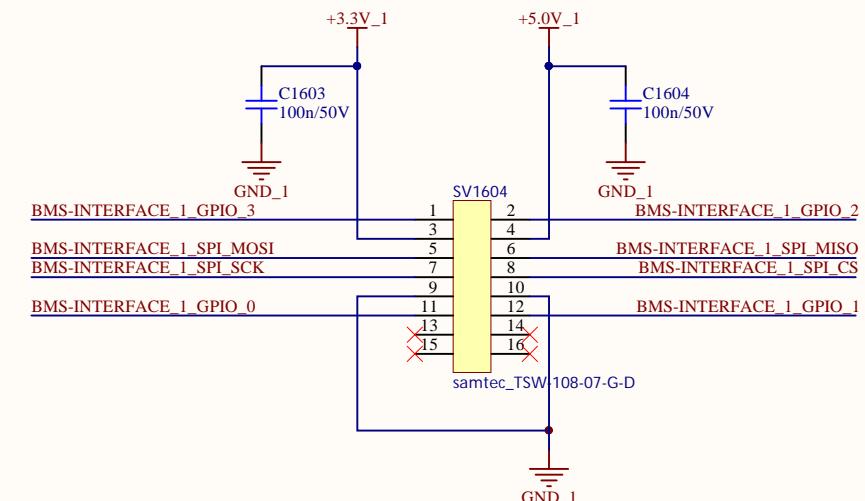
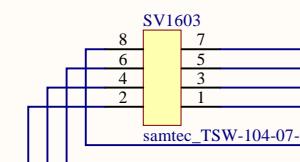


A
BMS-INTERFACE_0_GPIO [0..3] BMS-INTERFACE_0_GPIO [0..3]
BMS-INTERFACE_1_GPIO [0..3] BMS-INTERFACE_1_GPIO [0..3]

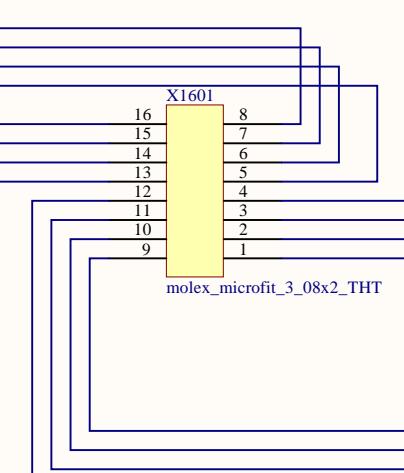
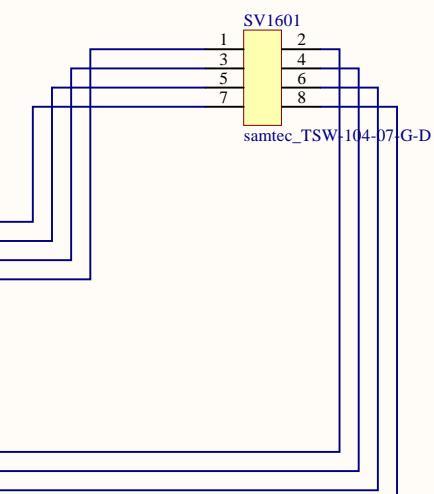
Connector to BMS-Interface 0 (Primary)



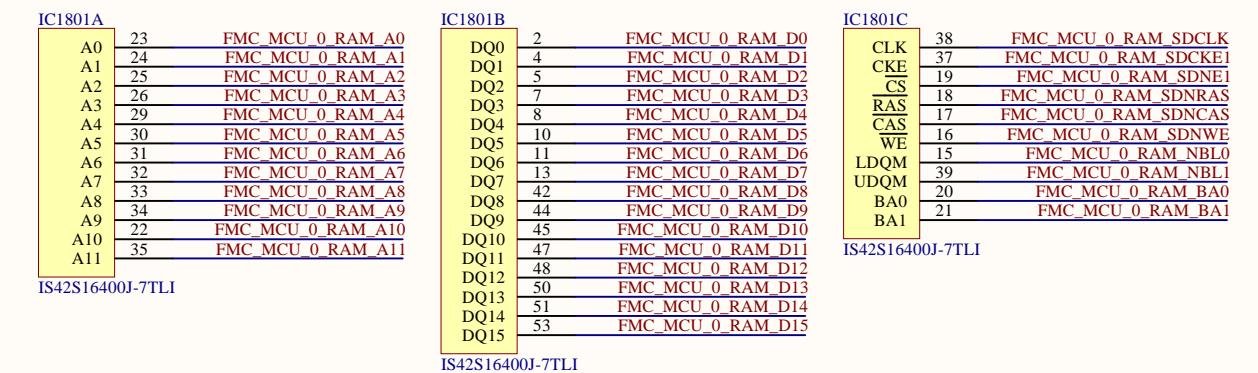
Connector to BMS-Interface 1 (Secondary)

Board-to-board connector
BMS-Master Basic to BMS-Interface

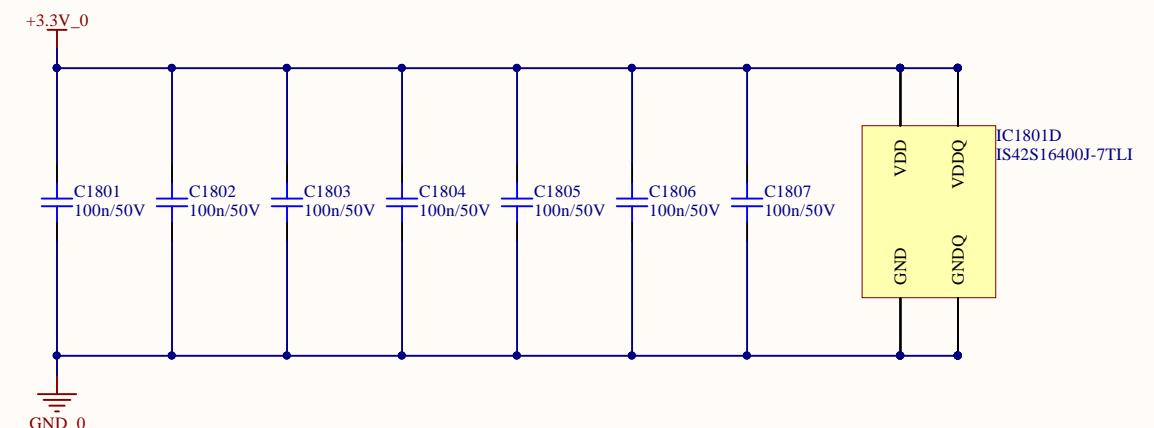
Connector to first BMS-Slave

Board-to-board connector
BMS-Master Basic to BMS-Interface

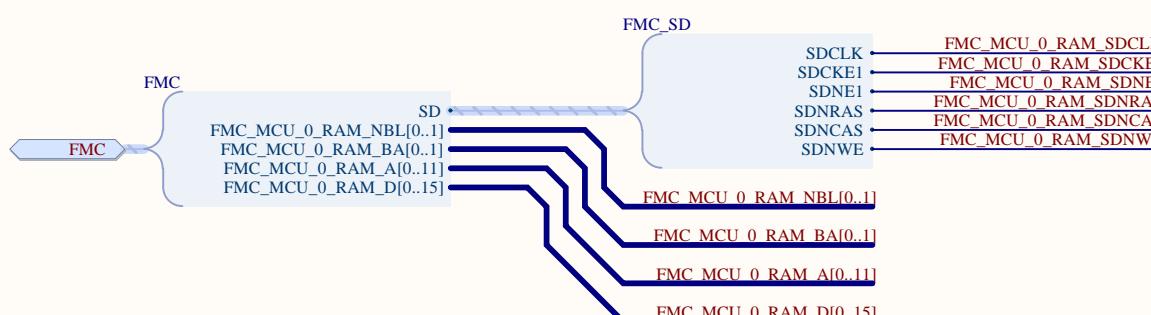
A



B



C



D

A

A

B

B

C

C

D

D

