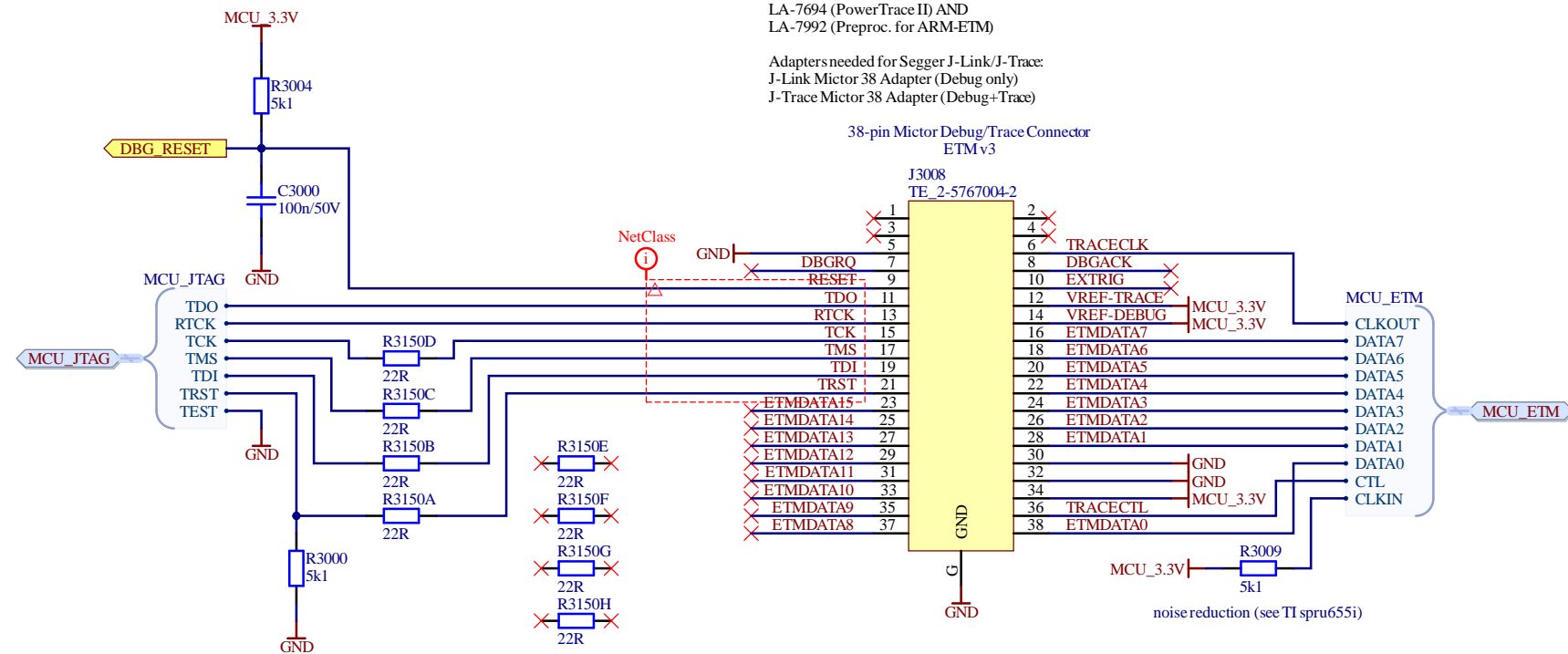


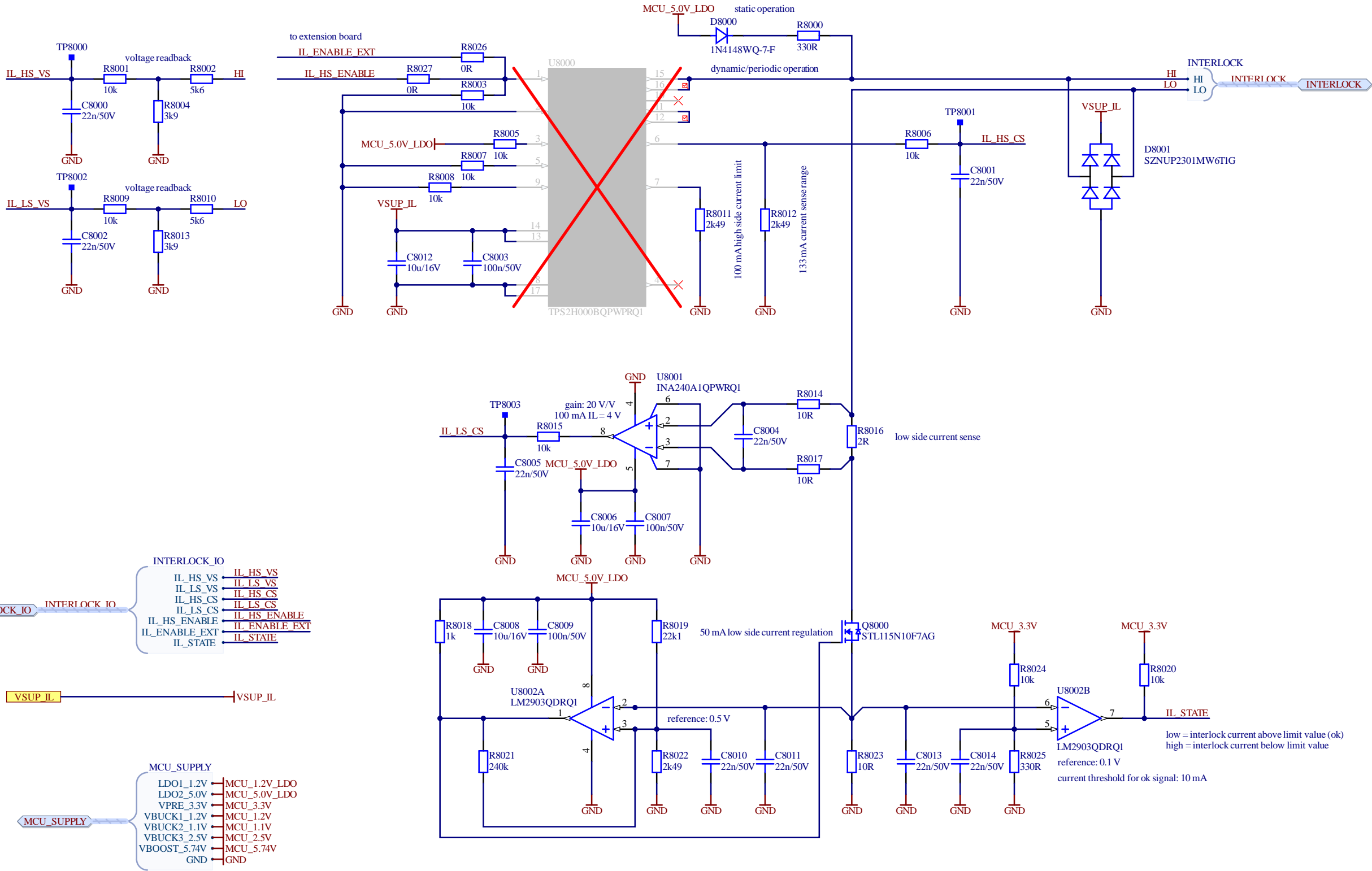
Lauterbach Debug:  
LA-3500 (PowerDebug Module USB 3.0) AND  
LA-7843 (Debugger for Cortex-A/R) AND  
LA-3722 (Adapter ARM-20 to Mictor-38)

Lauterbach Trace:  
LA-7694 (PowerTrace II) AND  
LA-7992 (Preproc. for ARM-ETM)

Adapters needed for Segger J-Link/J-Trace:  
J-Link Mictor 38 Adapter (Debug only)  
J-Trace Mictor 38 Adapter (Debug+Trace)

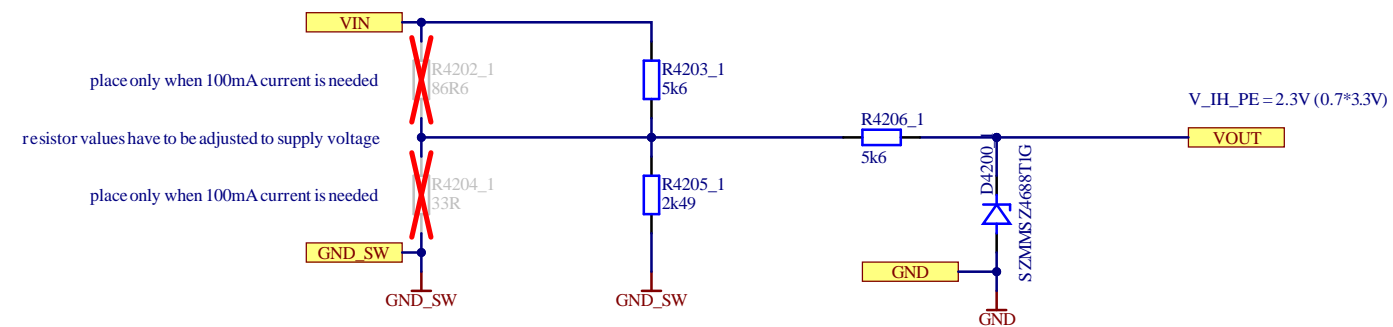


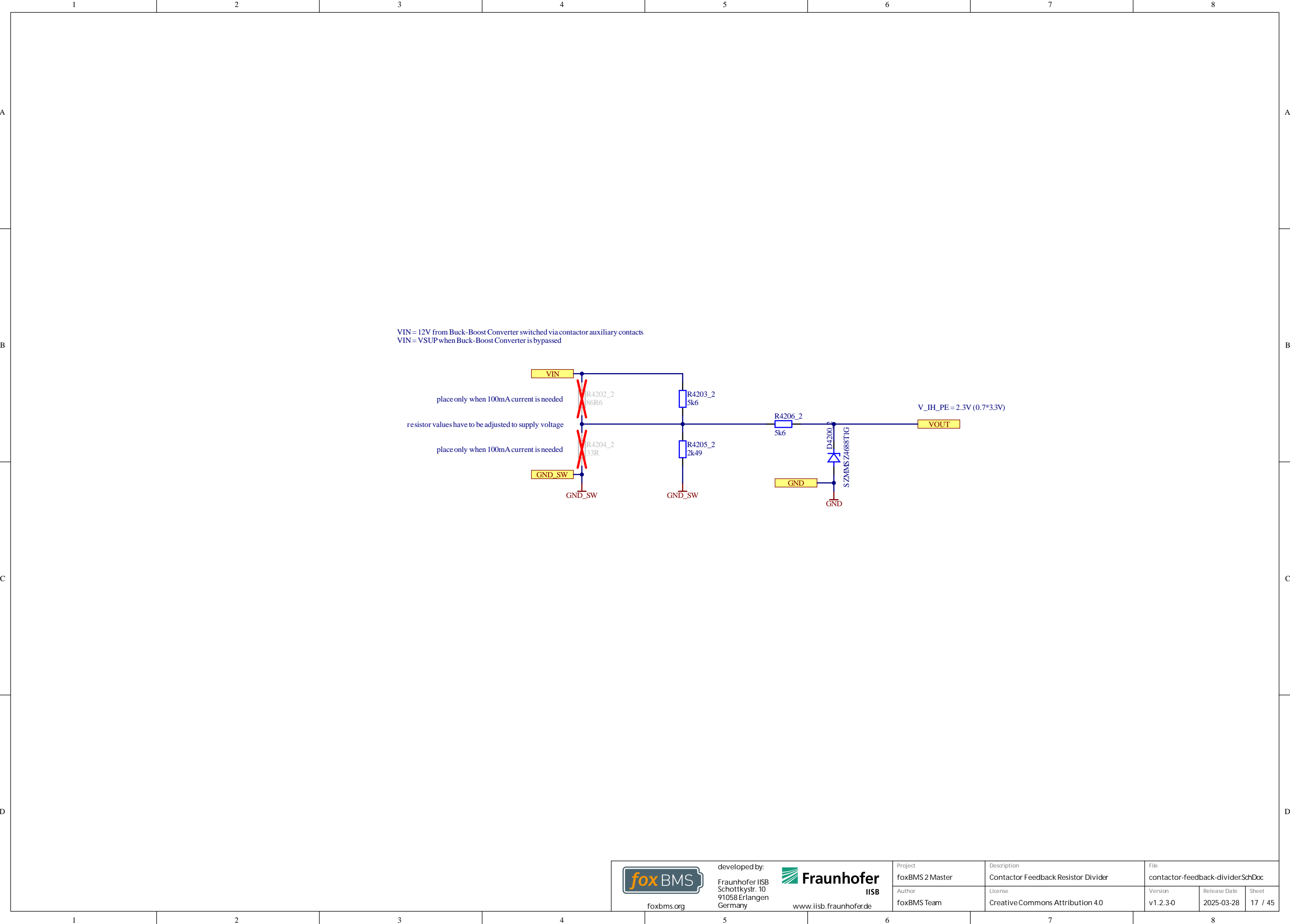


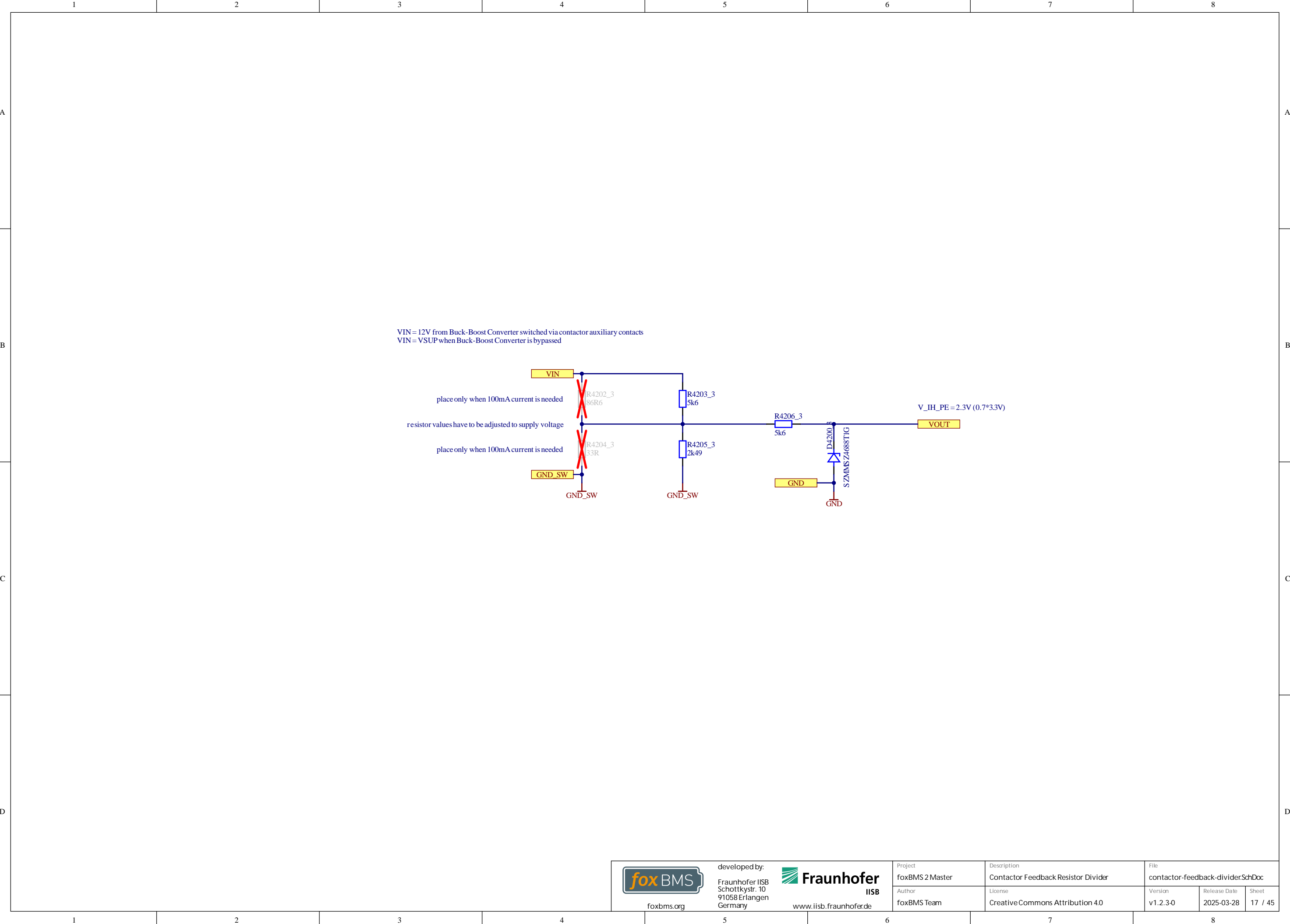


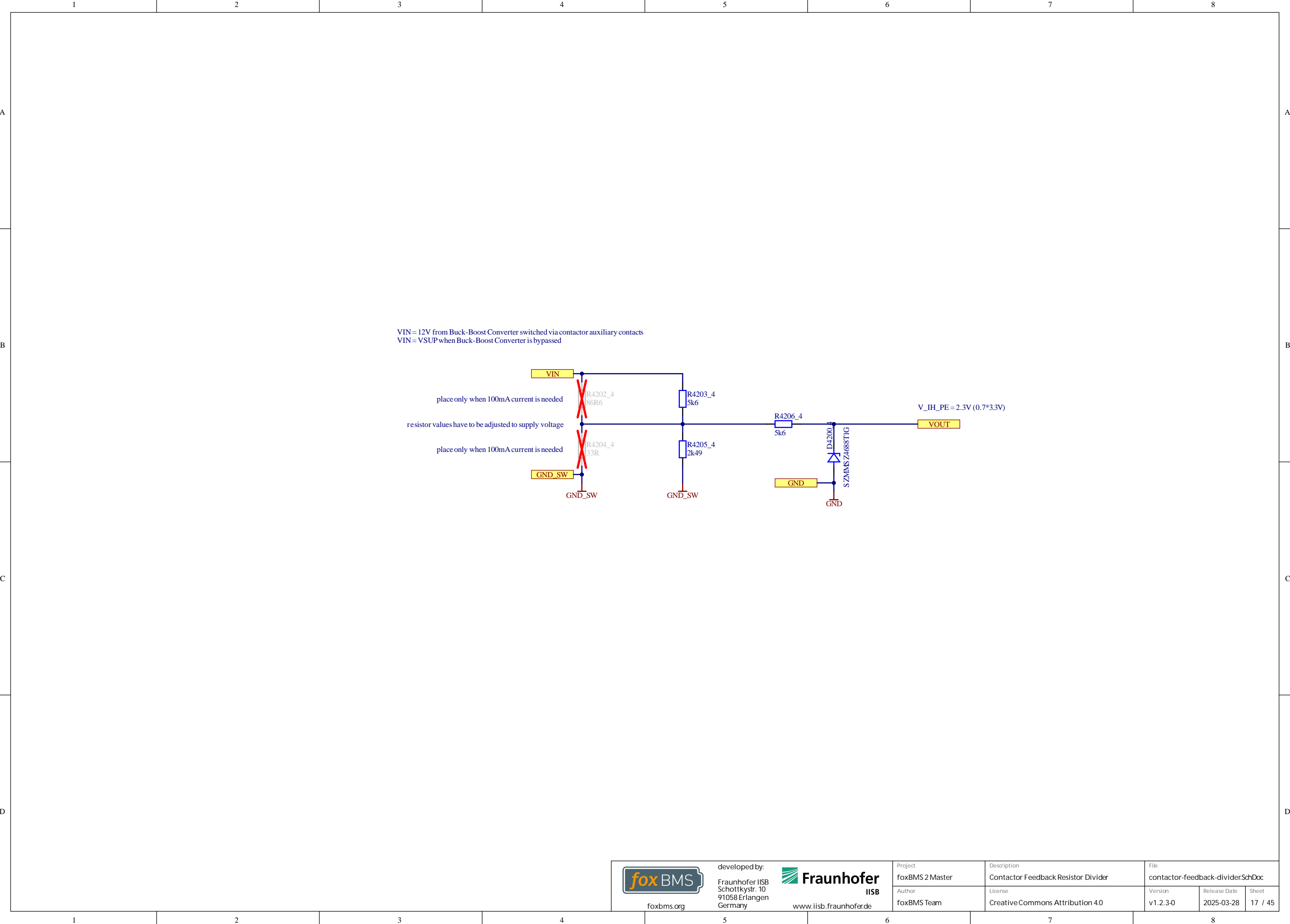
design based on TI application note TIDA-01445

VIN = 12V from Buck-Boost Converter switched via contactor auxiliary contacts  
VIN = VSUP when Buck-Boost Converter is bypassed

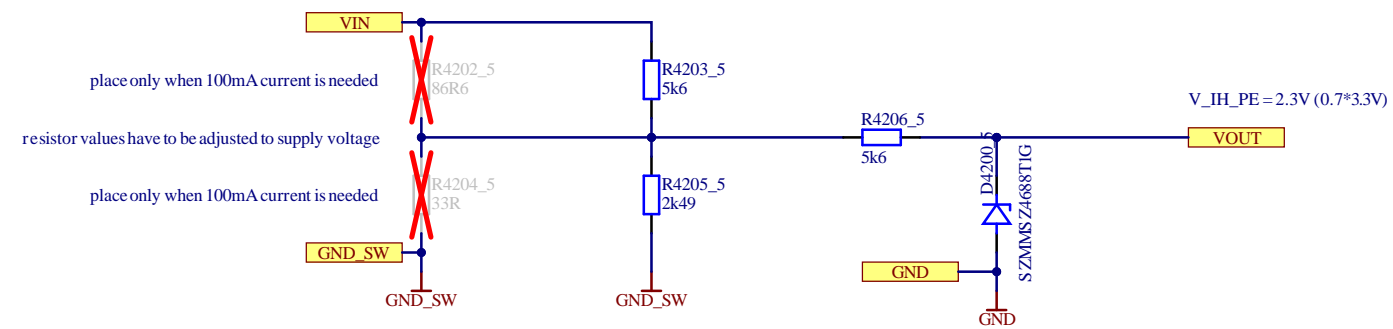








VIN= 12V from Buck-Boost Converter switched via contactor auxiliary contacts  
VIN= VSUP when Buck-Boost Converter is bypassed



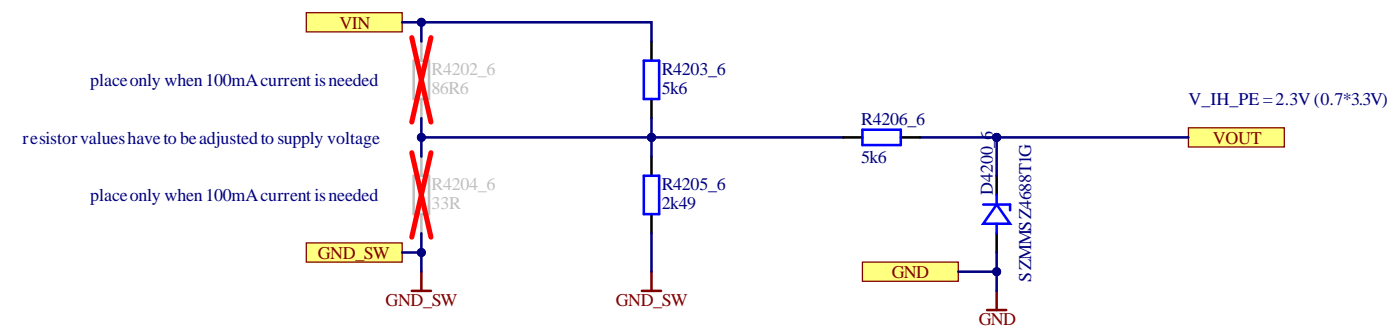
A

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C

D

VIN= 12V from Buck-Boost Converter switched via contactor auxiliary contacts  
VIN= VSUP when Buck-Boost Converter is bypassed



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developed by:

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Germany



[www.iisb.fraunhofer.de](http://www.iisb.fraunhofer.de)

	Project
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foxBMS 2 Master

	Description
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Contactor Feedback Resistor Divider

File
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contactor-feedback-divider.SchDoc

Author
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foxBMS Team

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	Version
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v1.2.3-0

Release Date
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2025-03-28

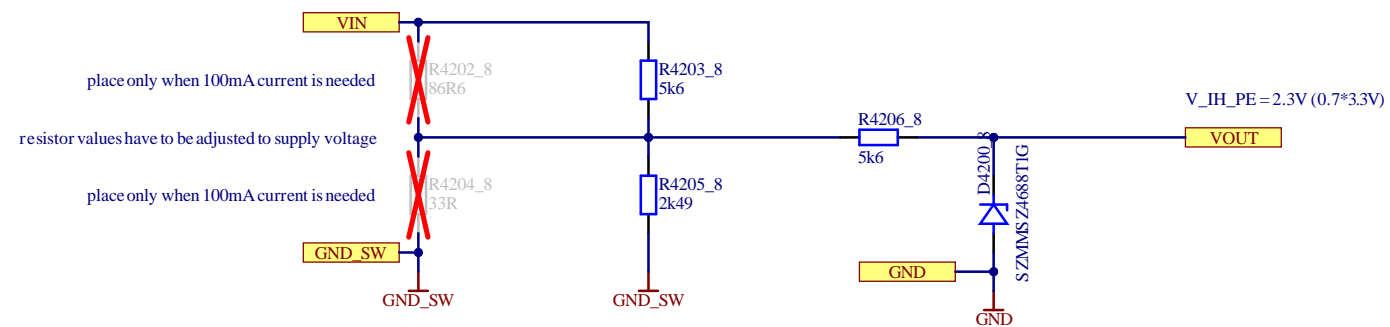
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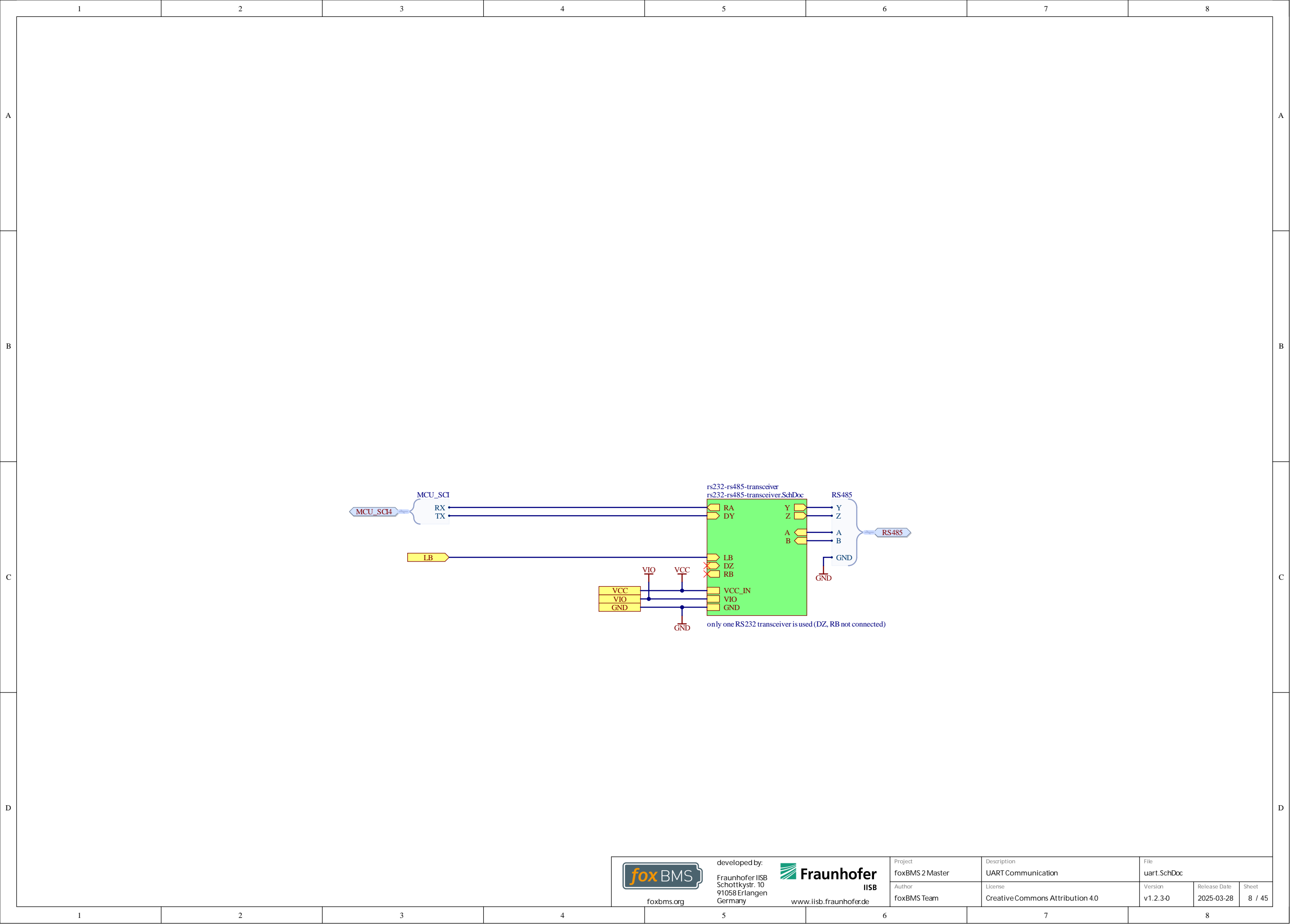
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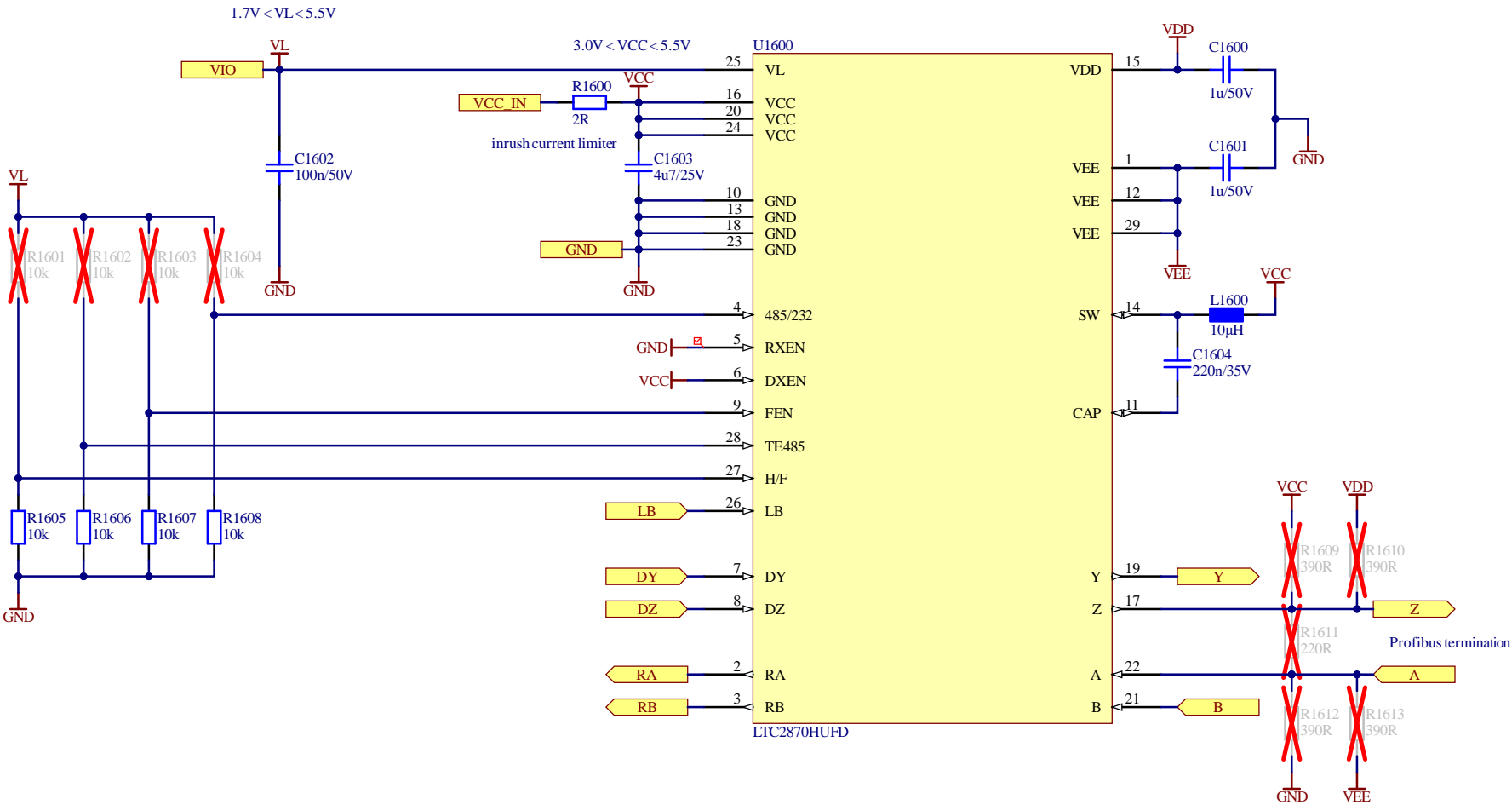


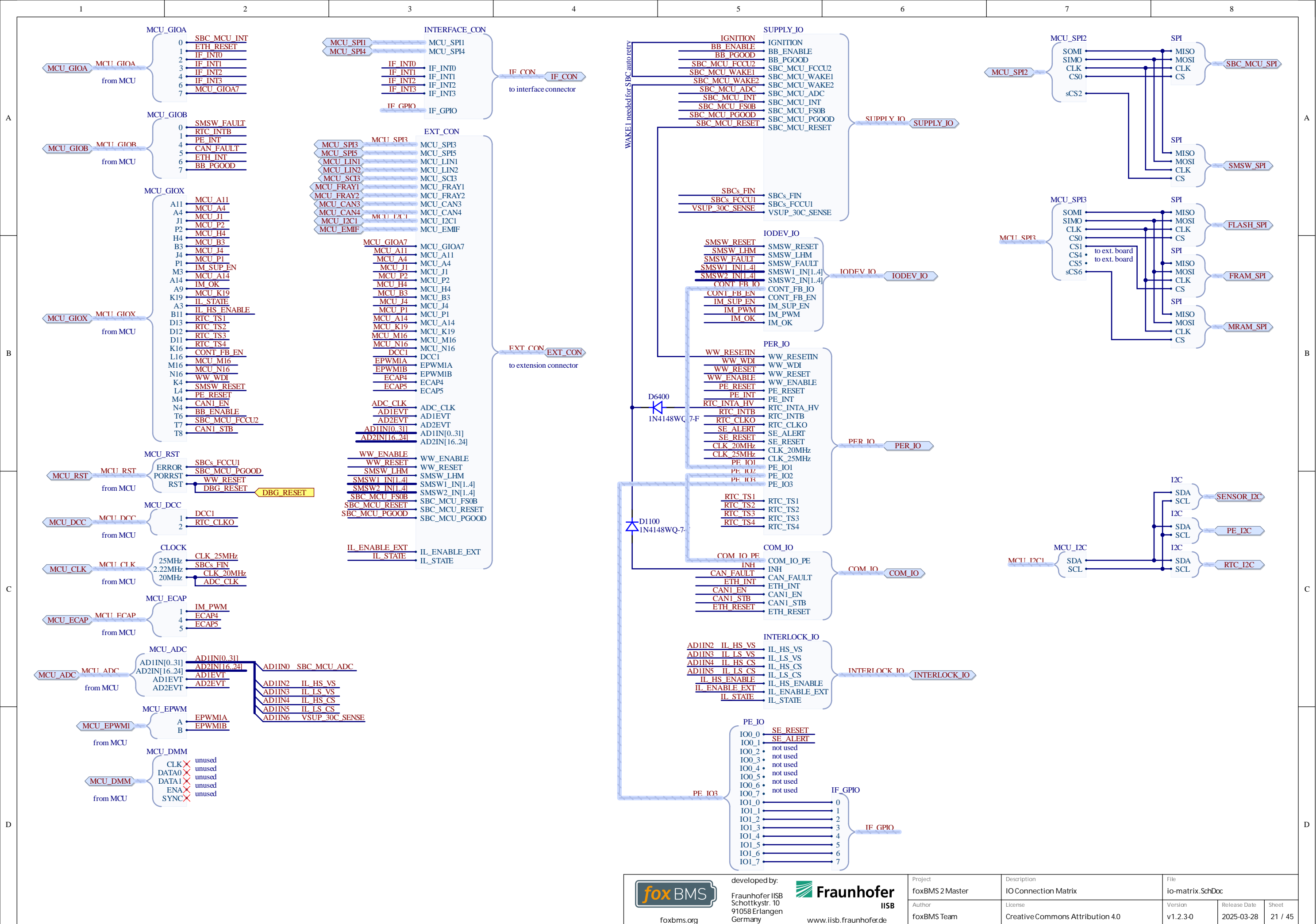


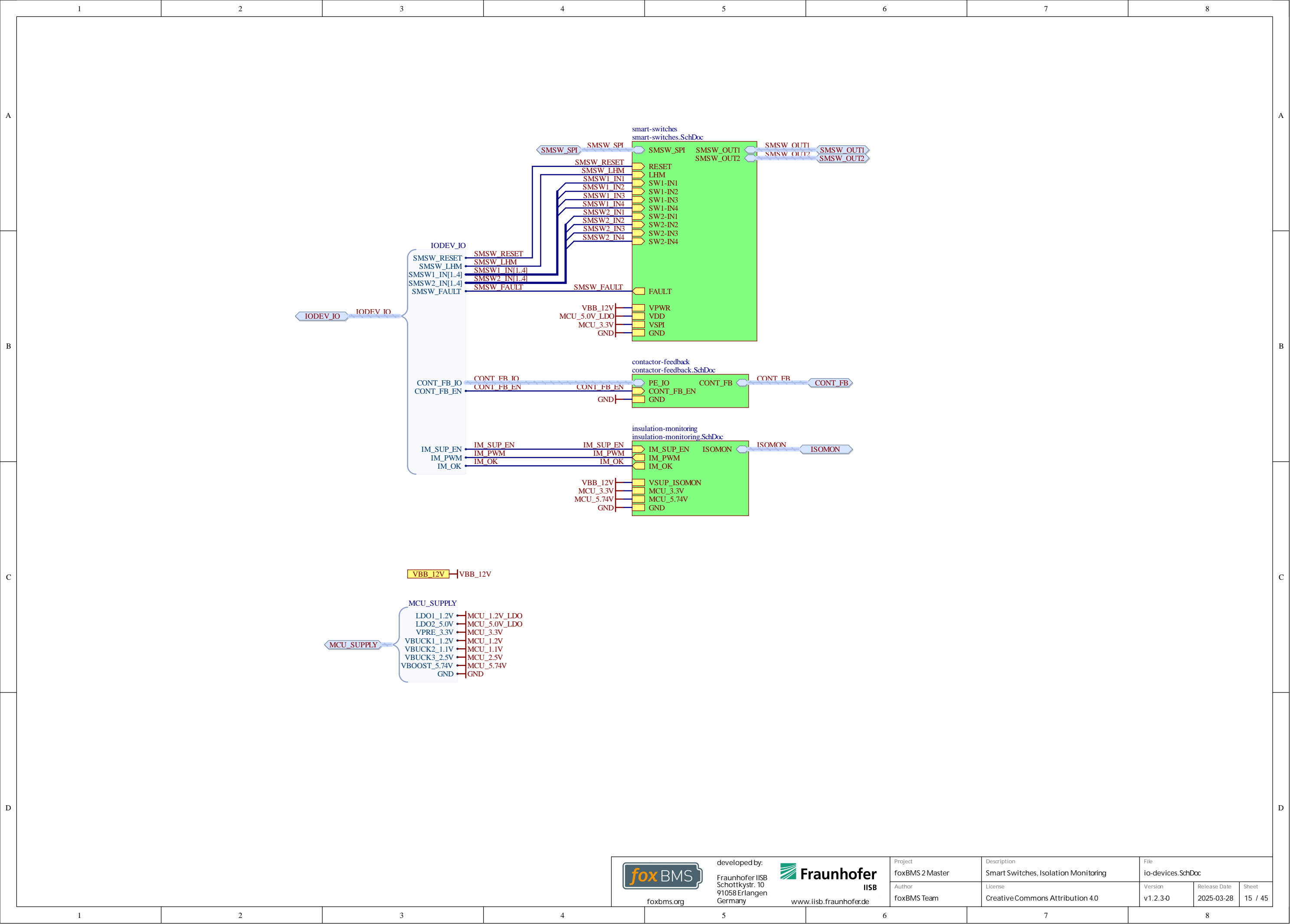
VIN = 12V from Buck-Boost Converter switched via contactor auxiliary contacts  
VIN = VSUP when Buck-Boost Converter is bypassed

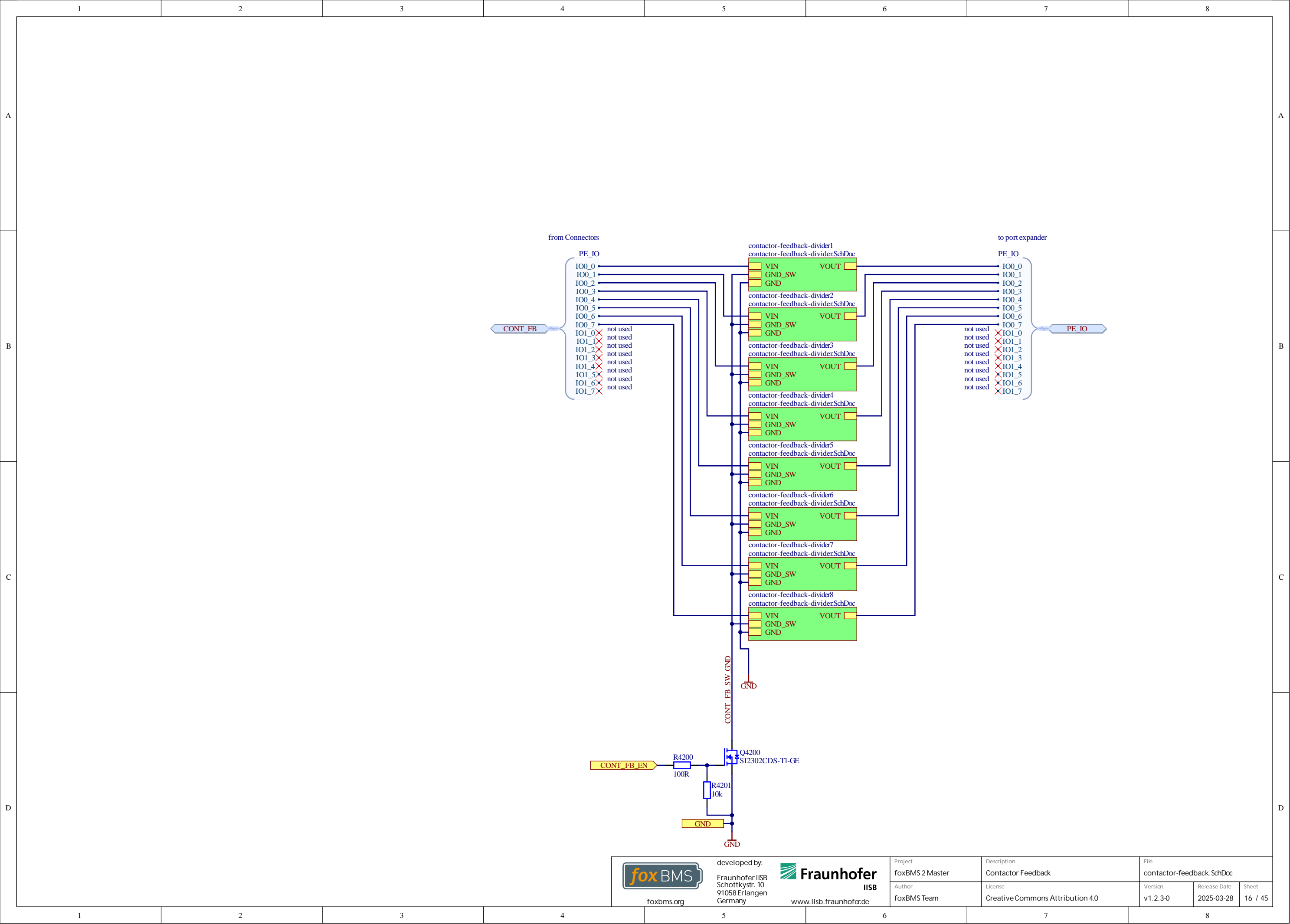


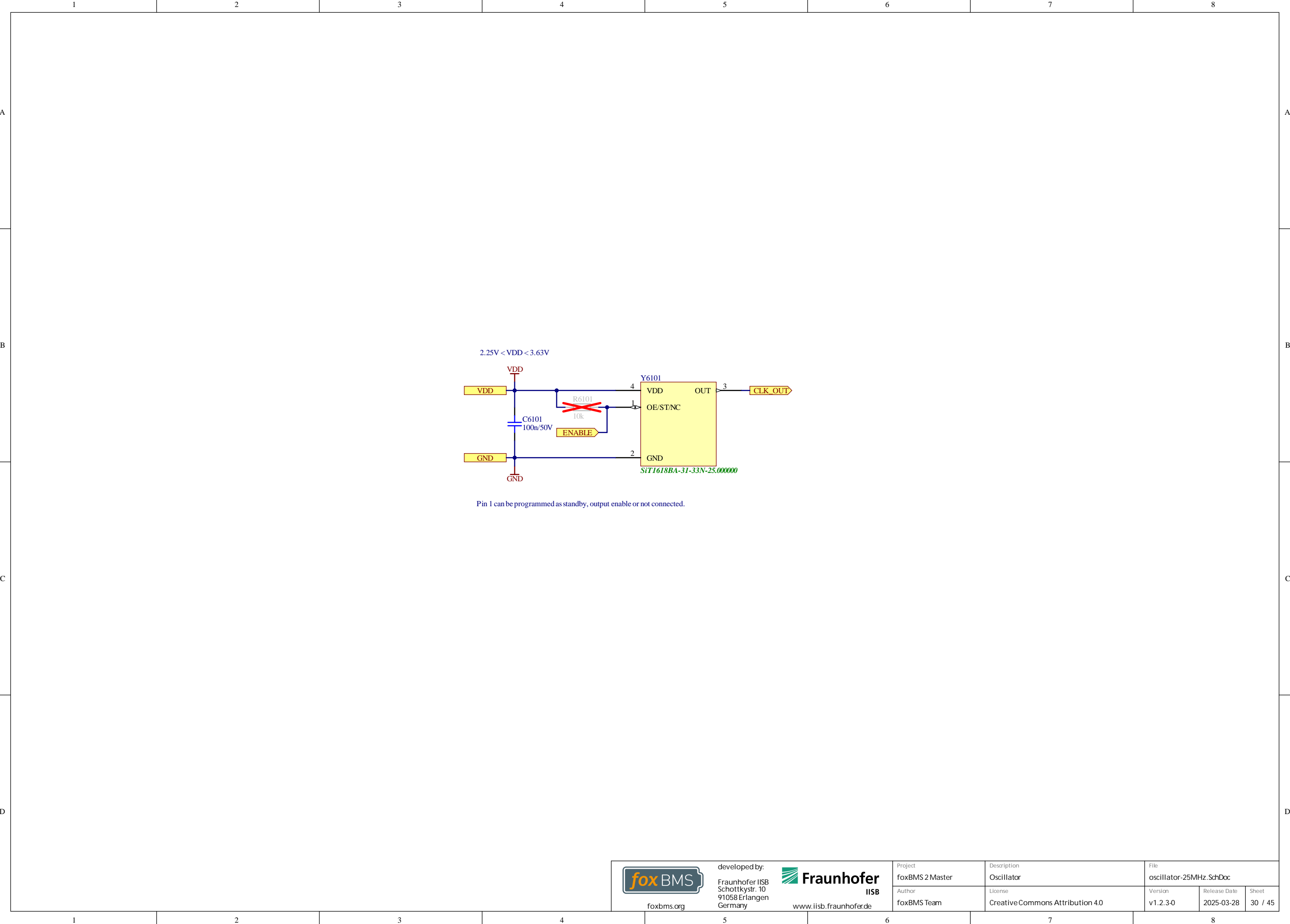












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Project

foxBMS 2 Master

Description

Oscillator

File

oscillator-25MHz.SchDoc

Author

foxBMS Team

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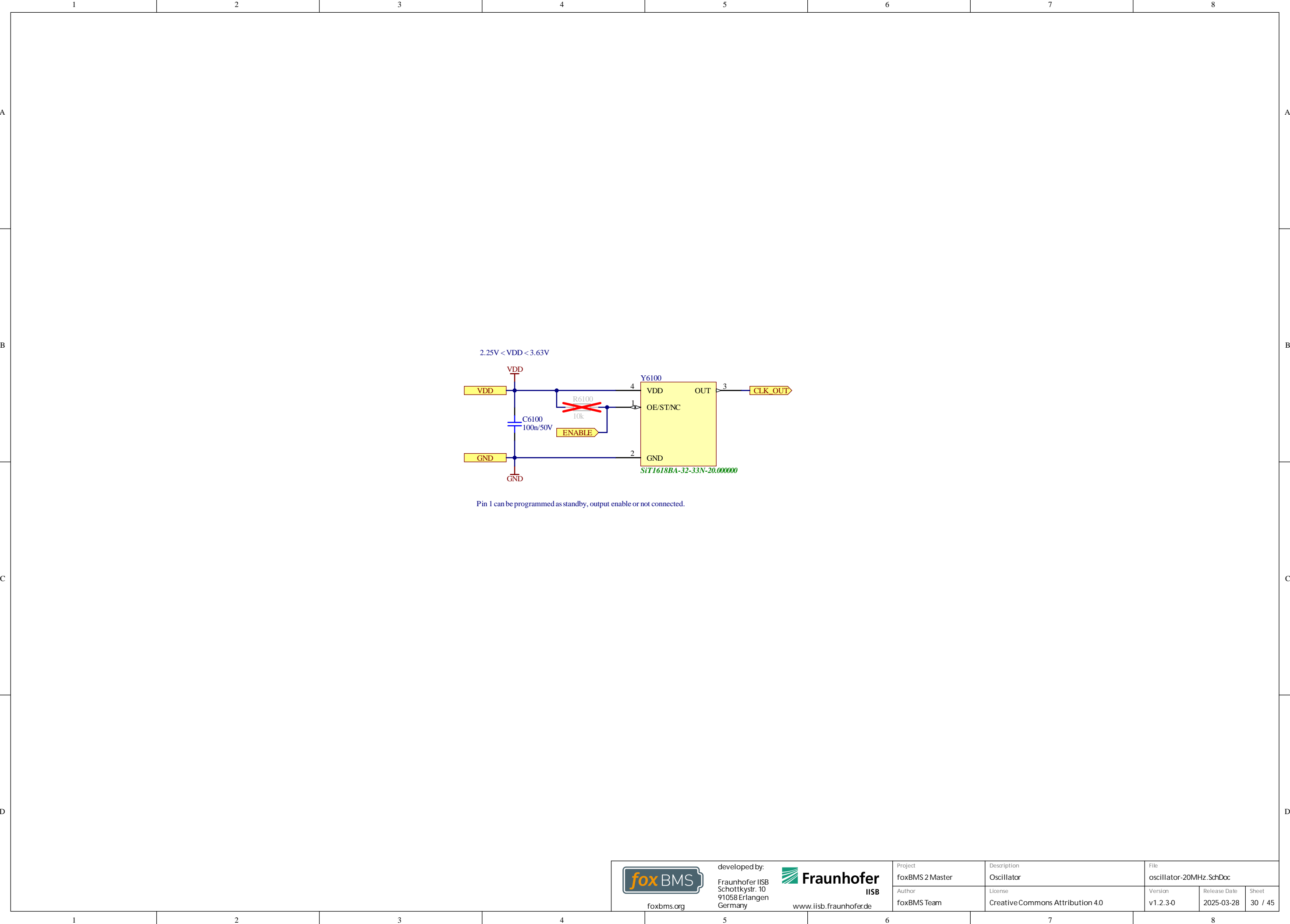
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Project

foxBMS 2 Master

Description

Oscillator

File

oscillator-20MHz.SchDoc

Author

foxBMS Team

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Version

v1.2.3-0

Release Date

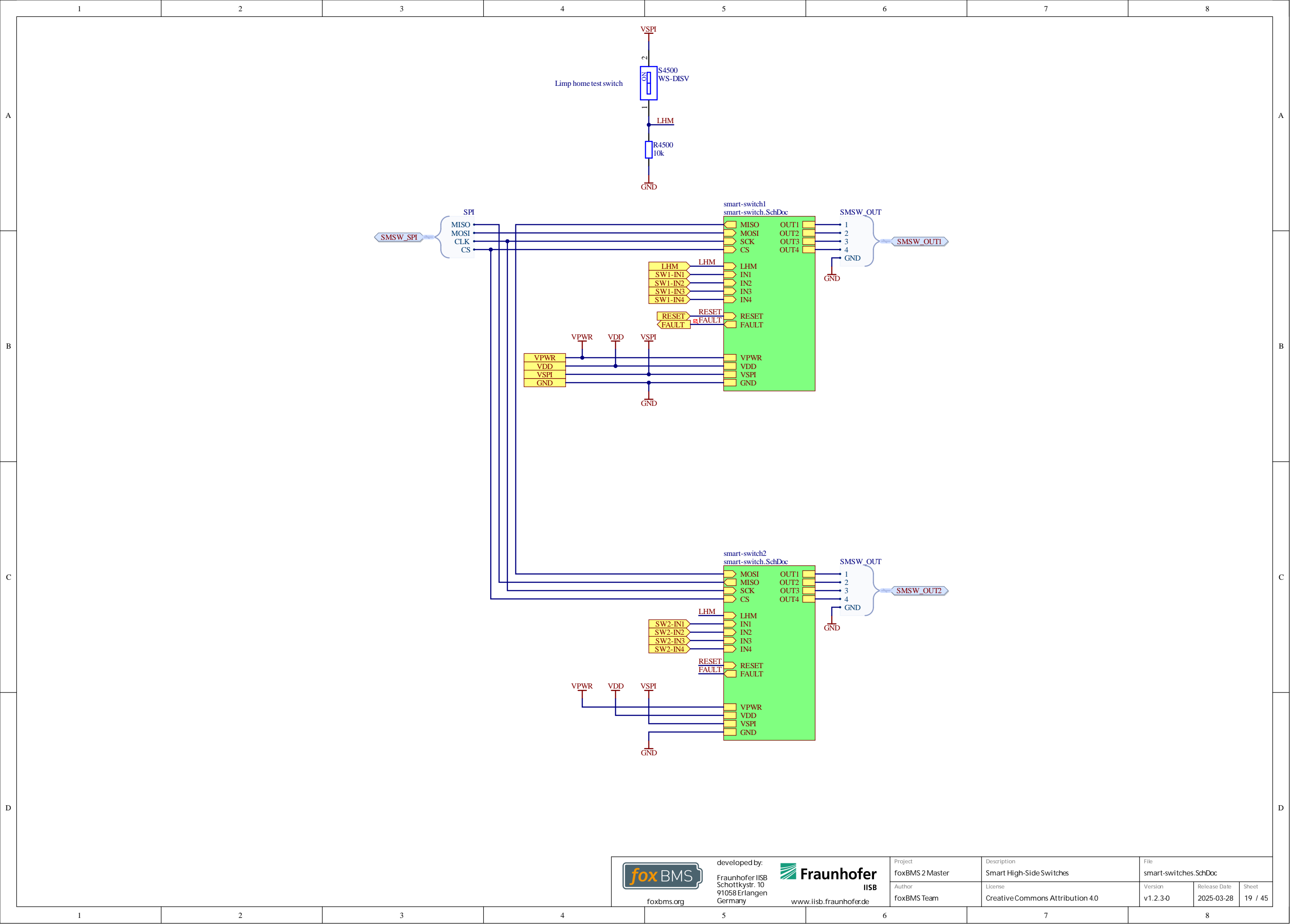
2025-03-28

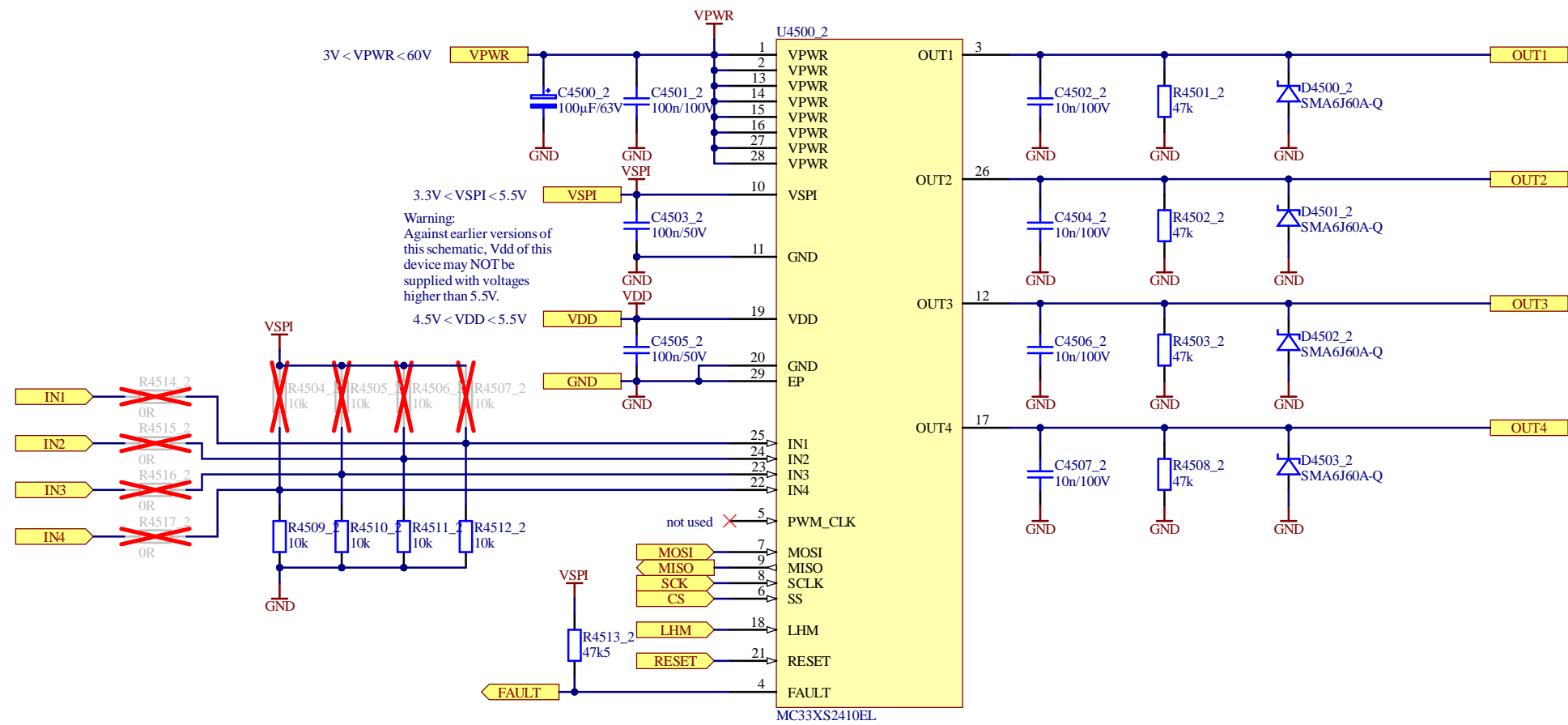
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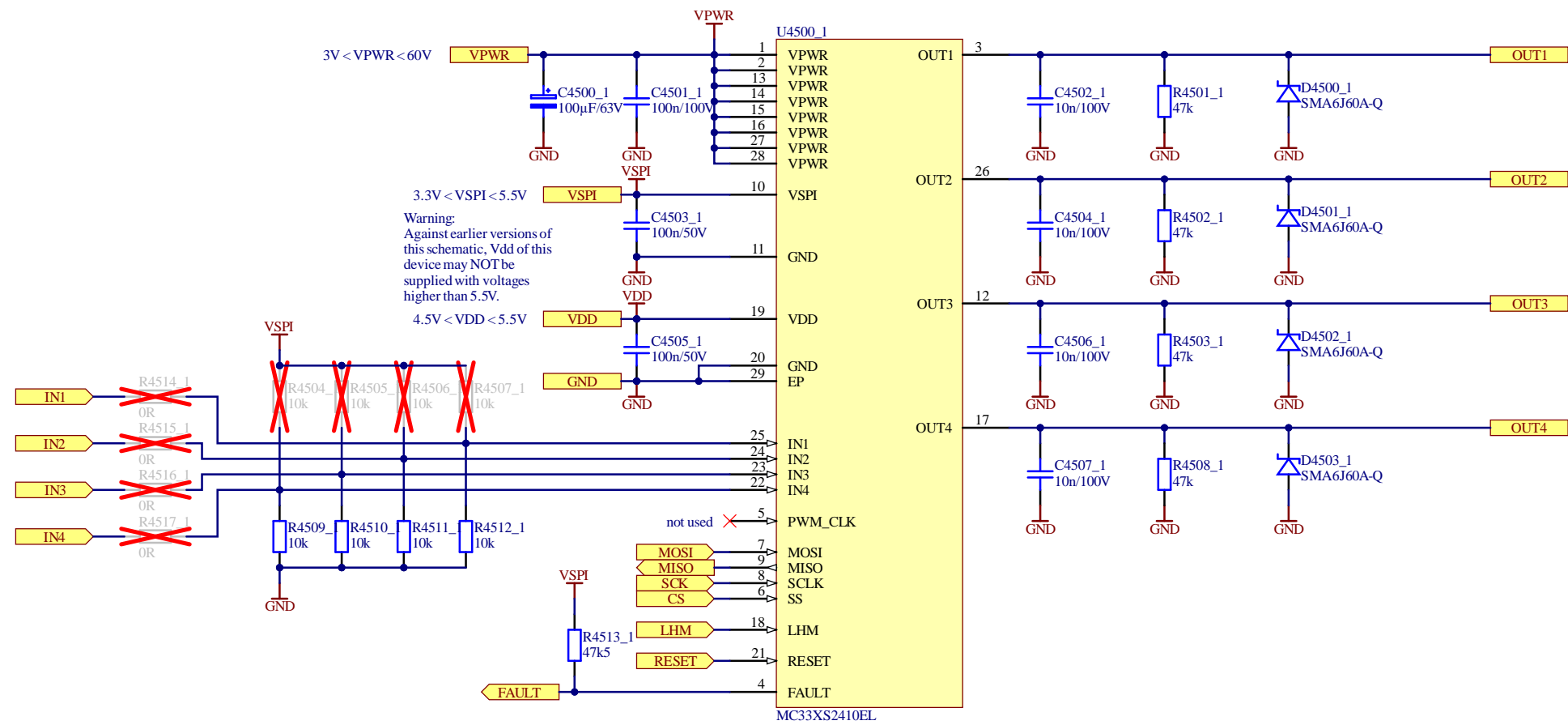
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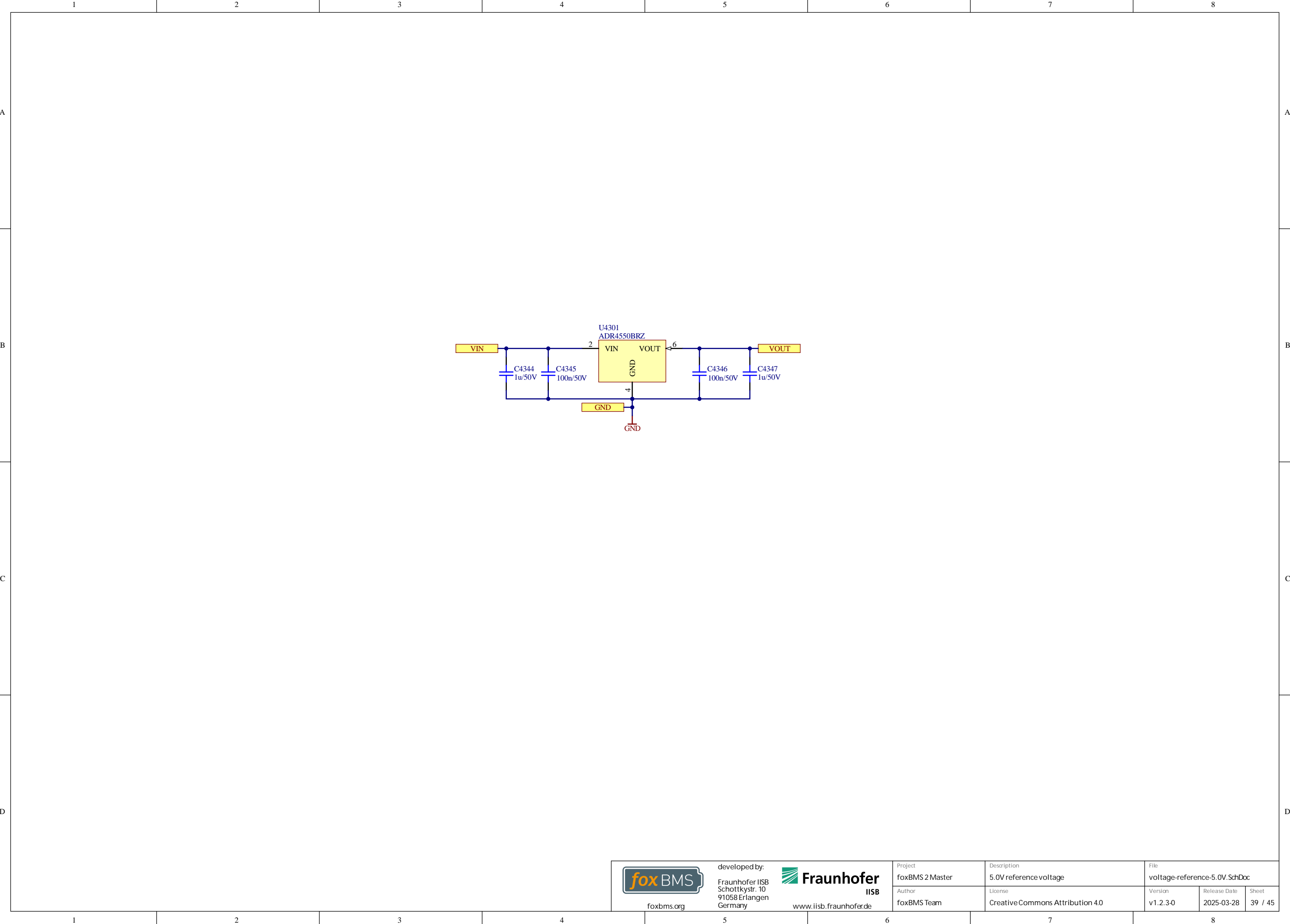


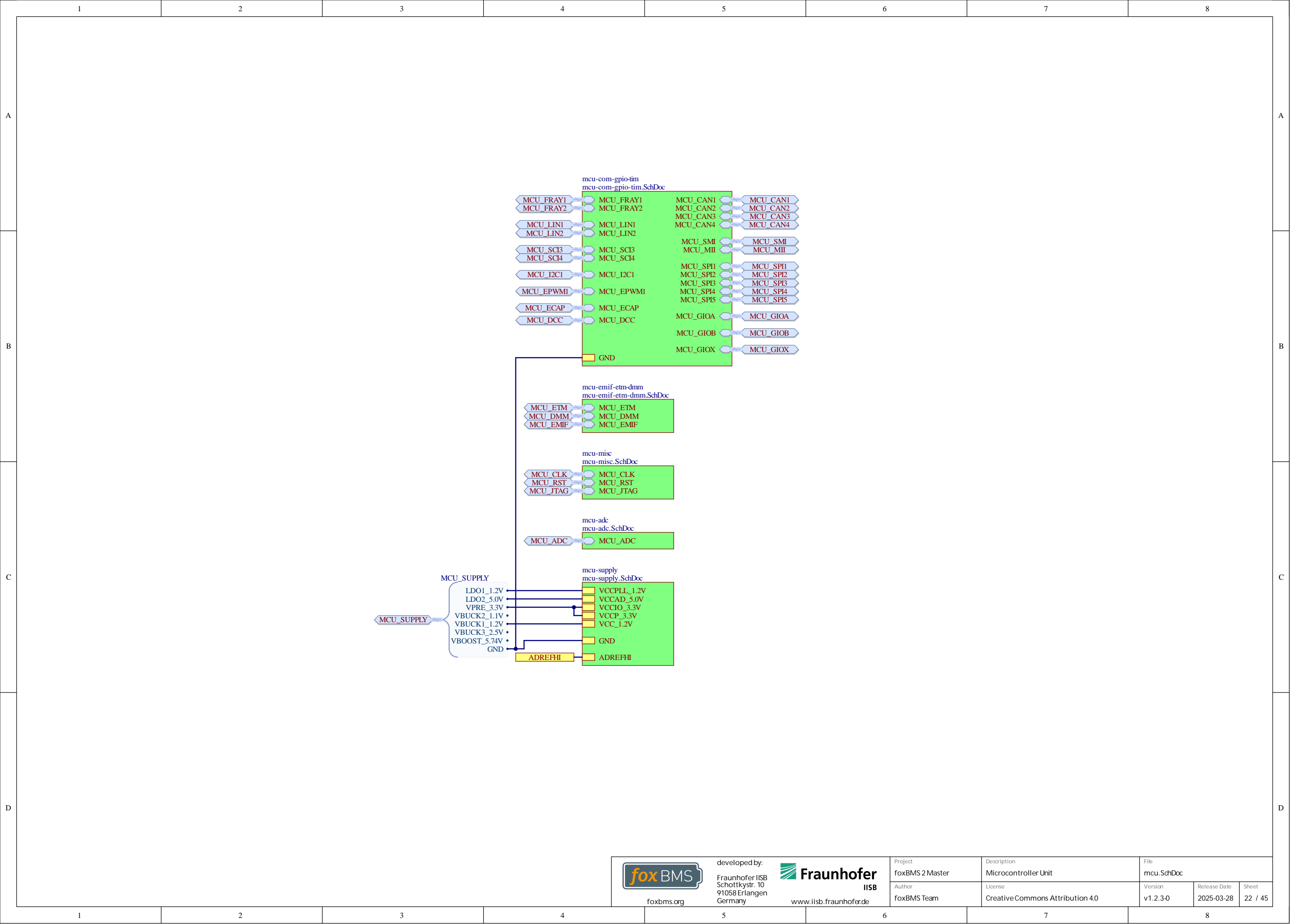


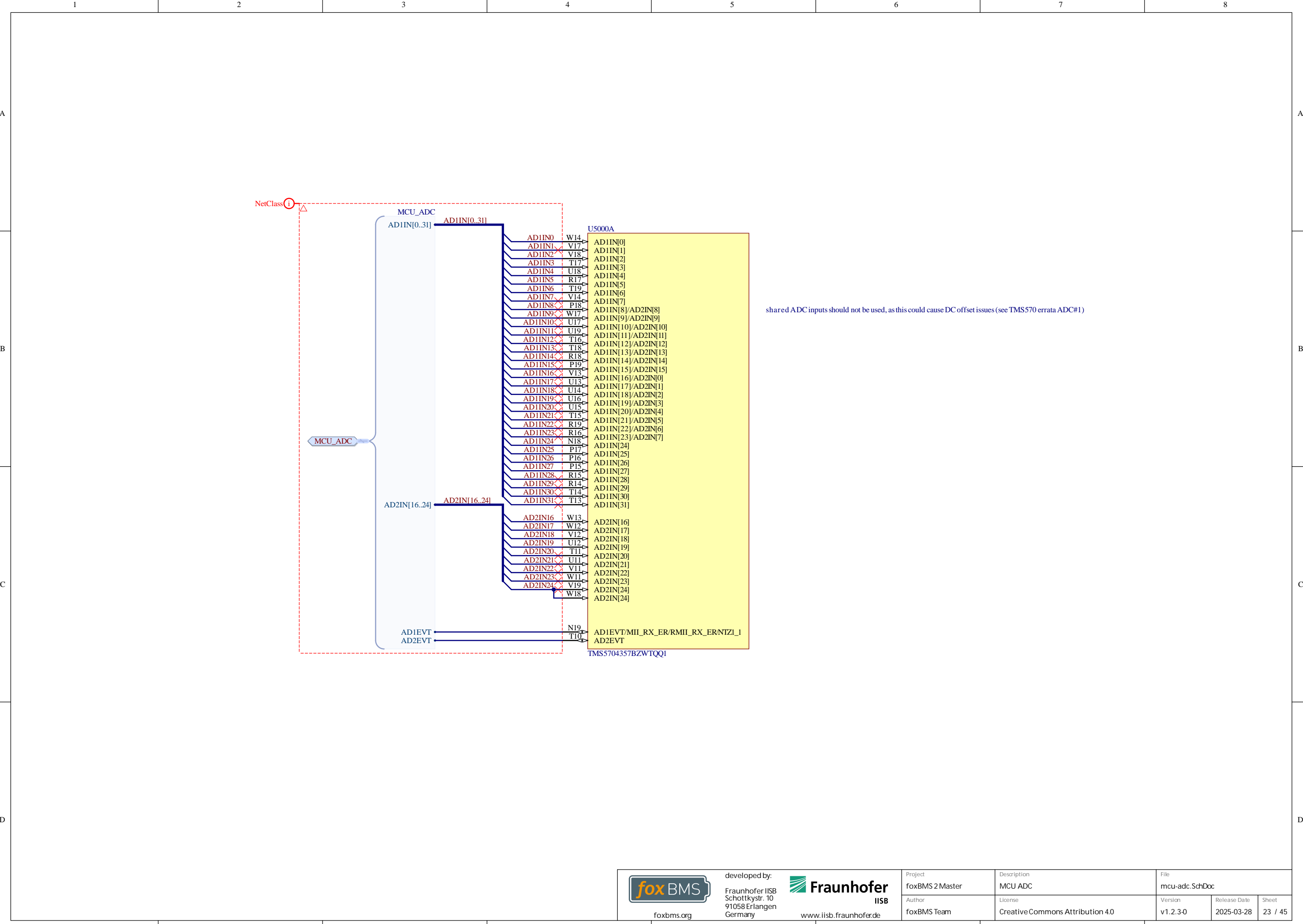


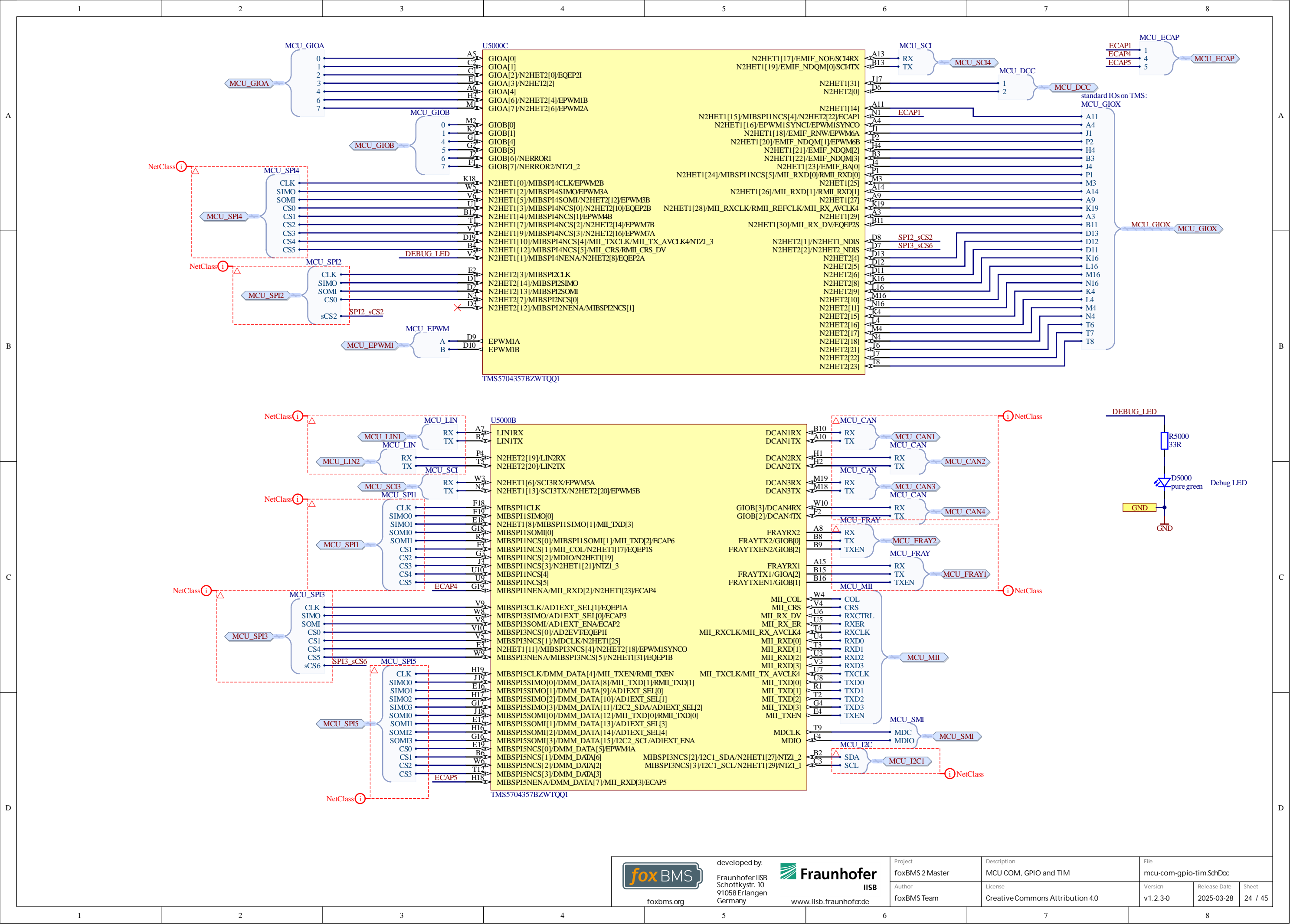




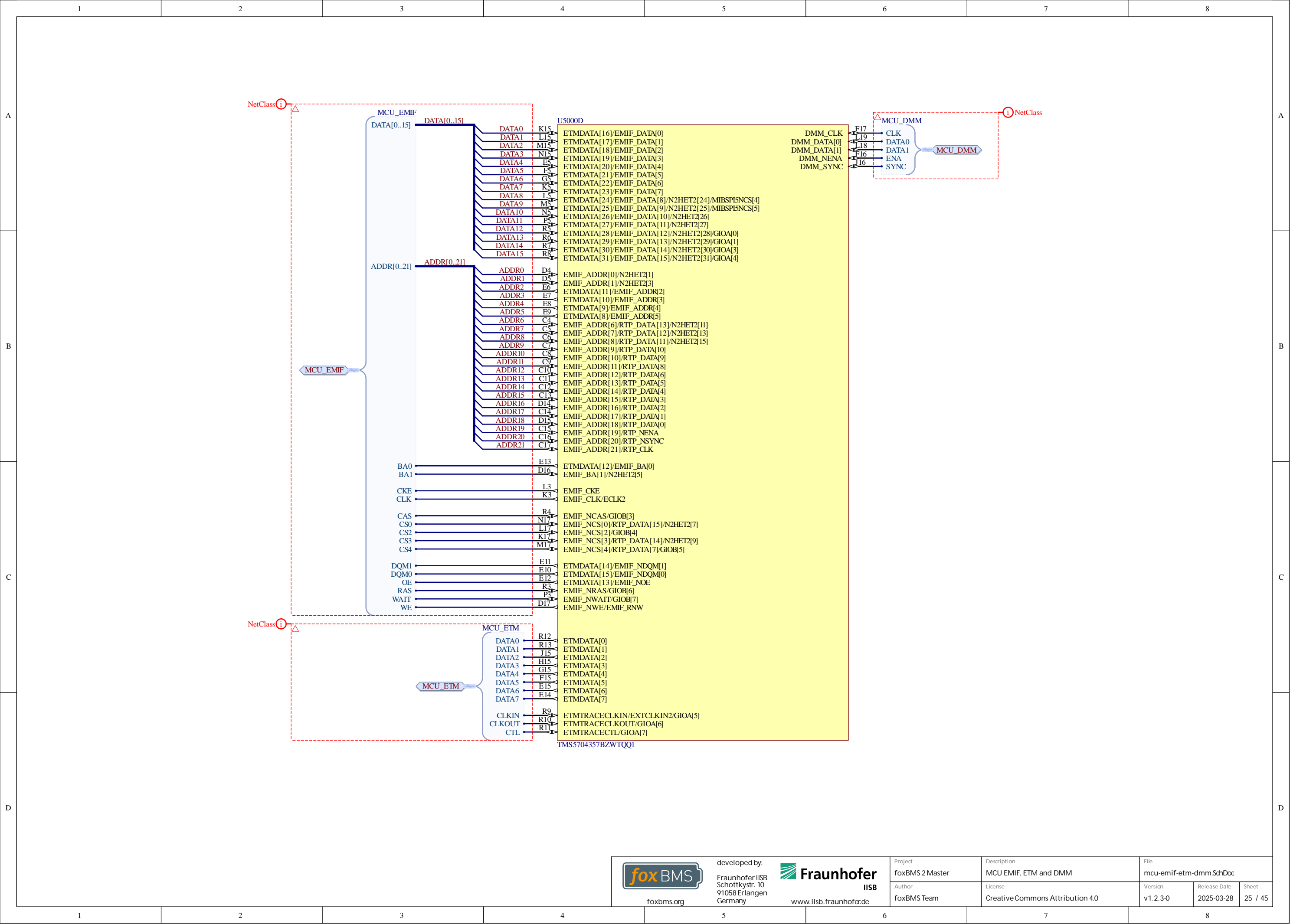




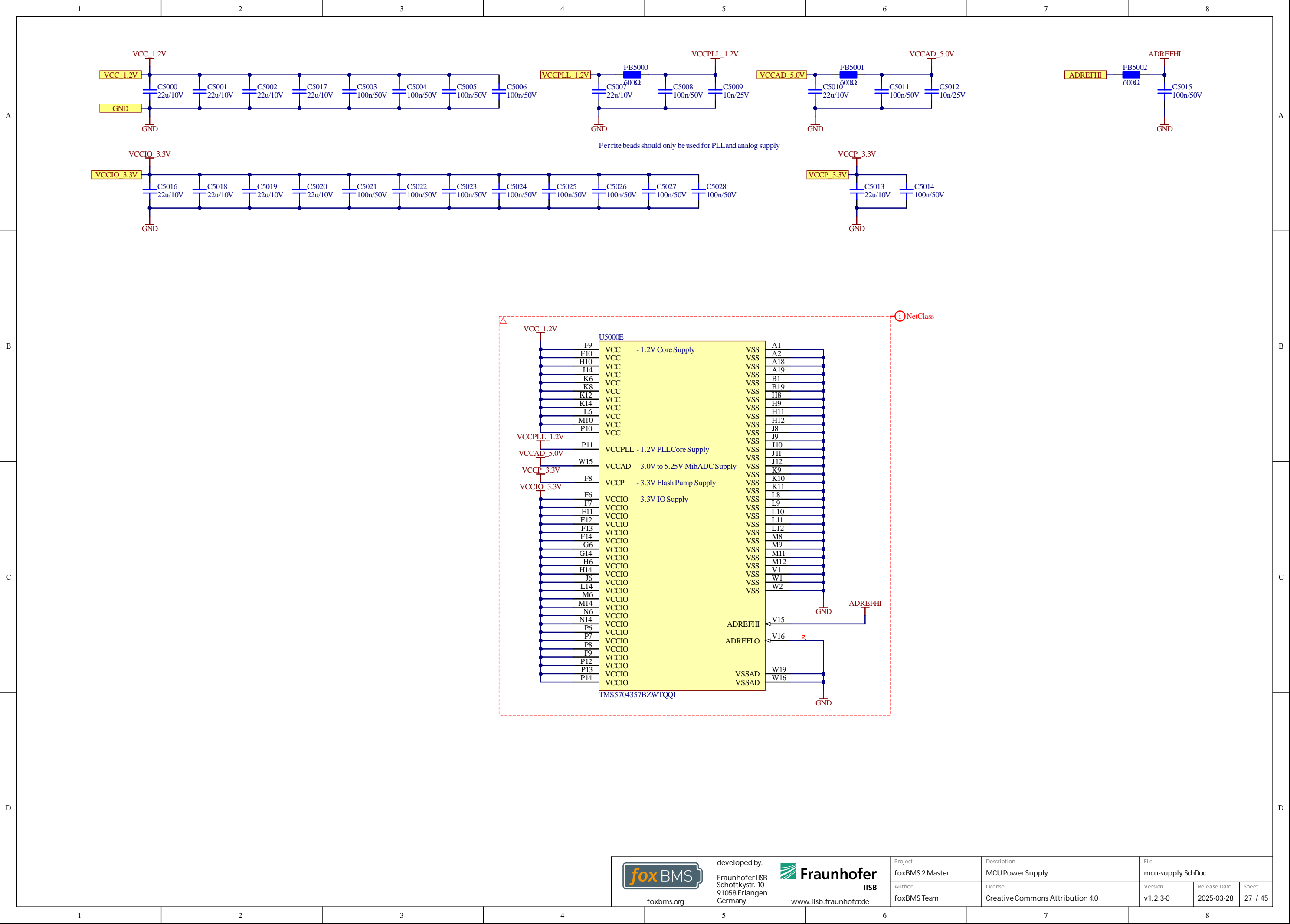


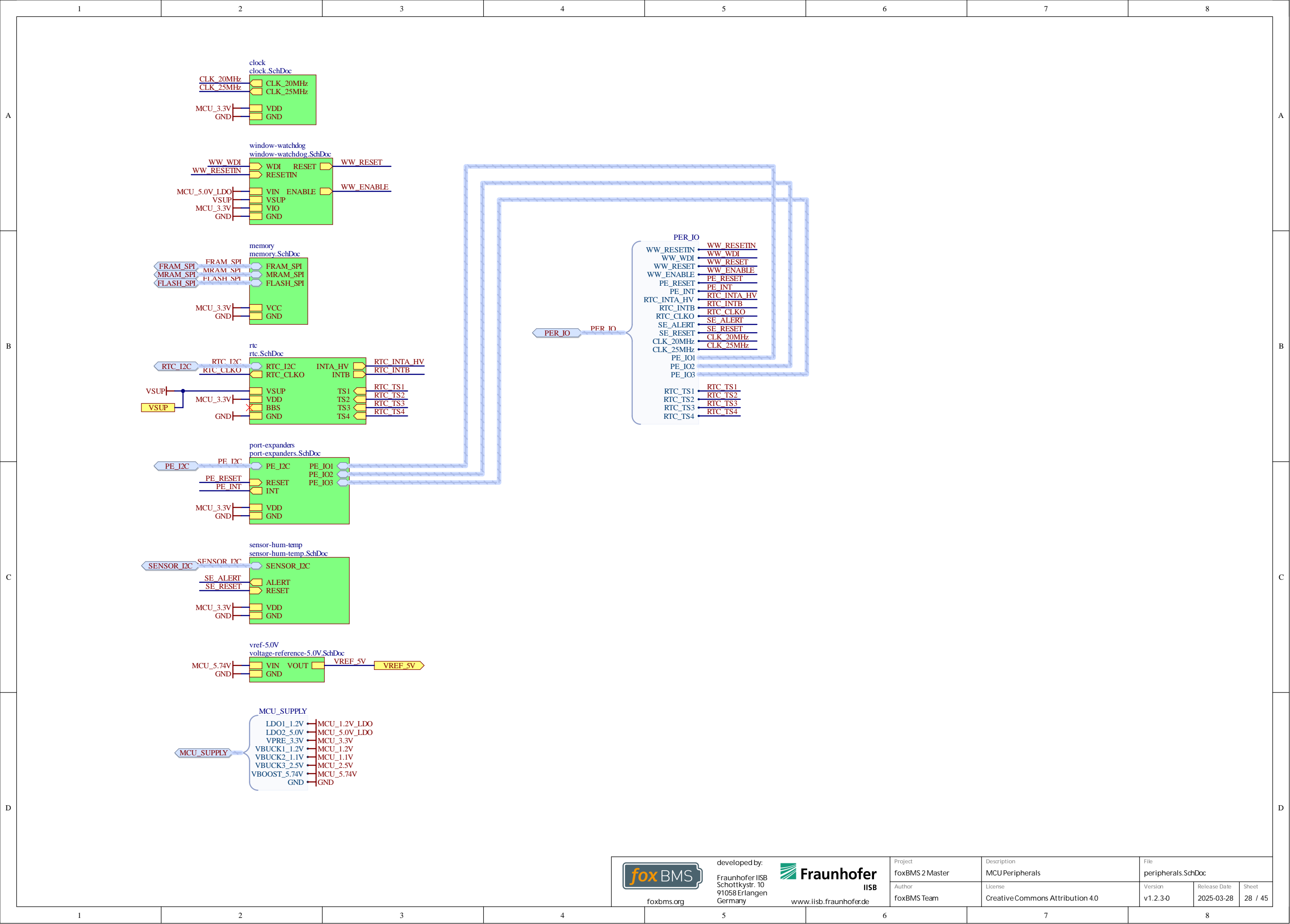


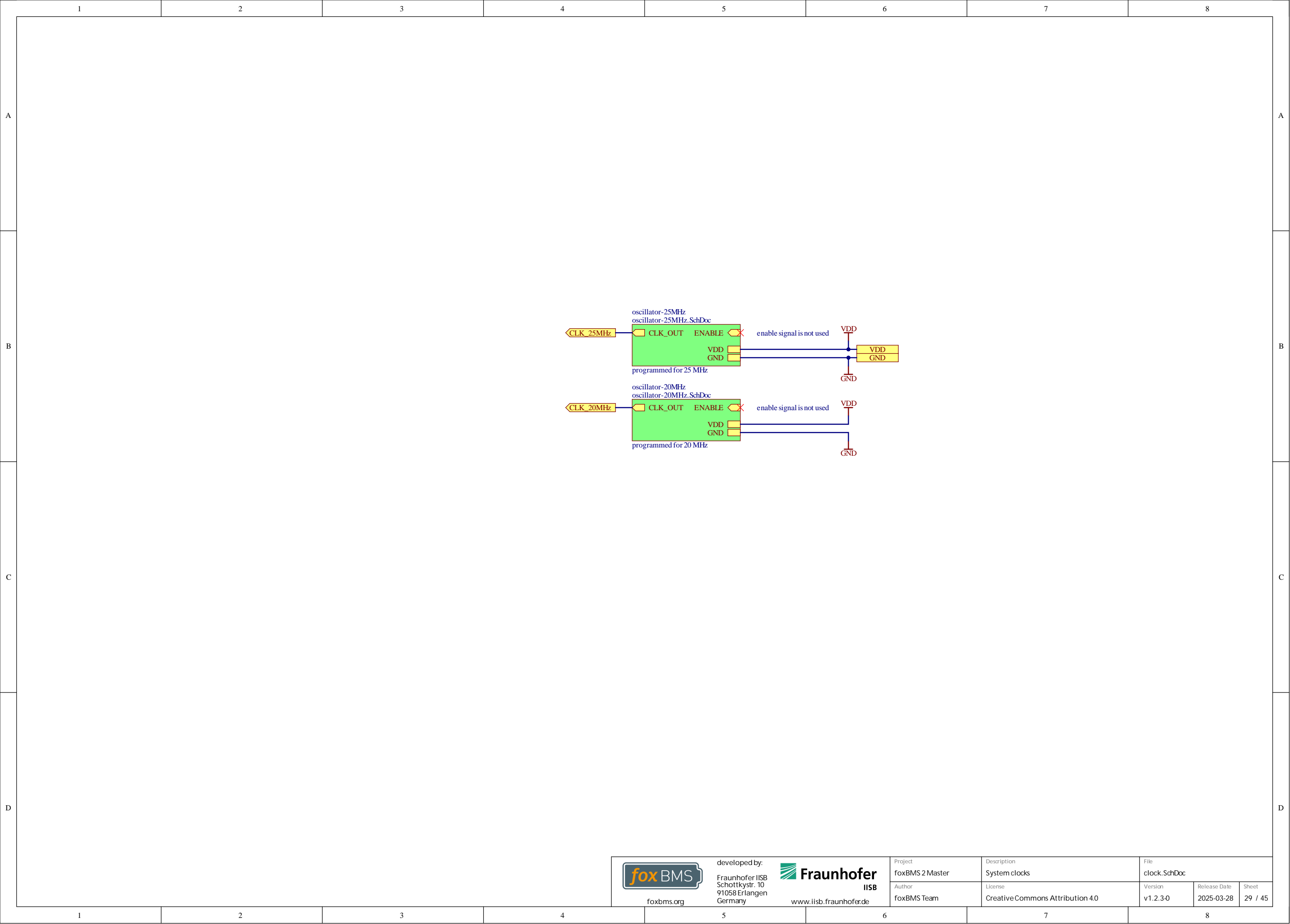


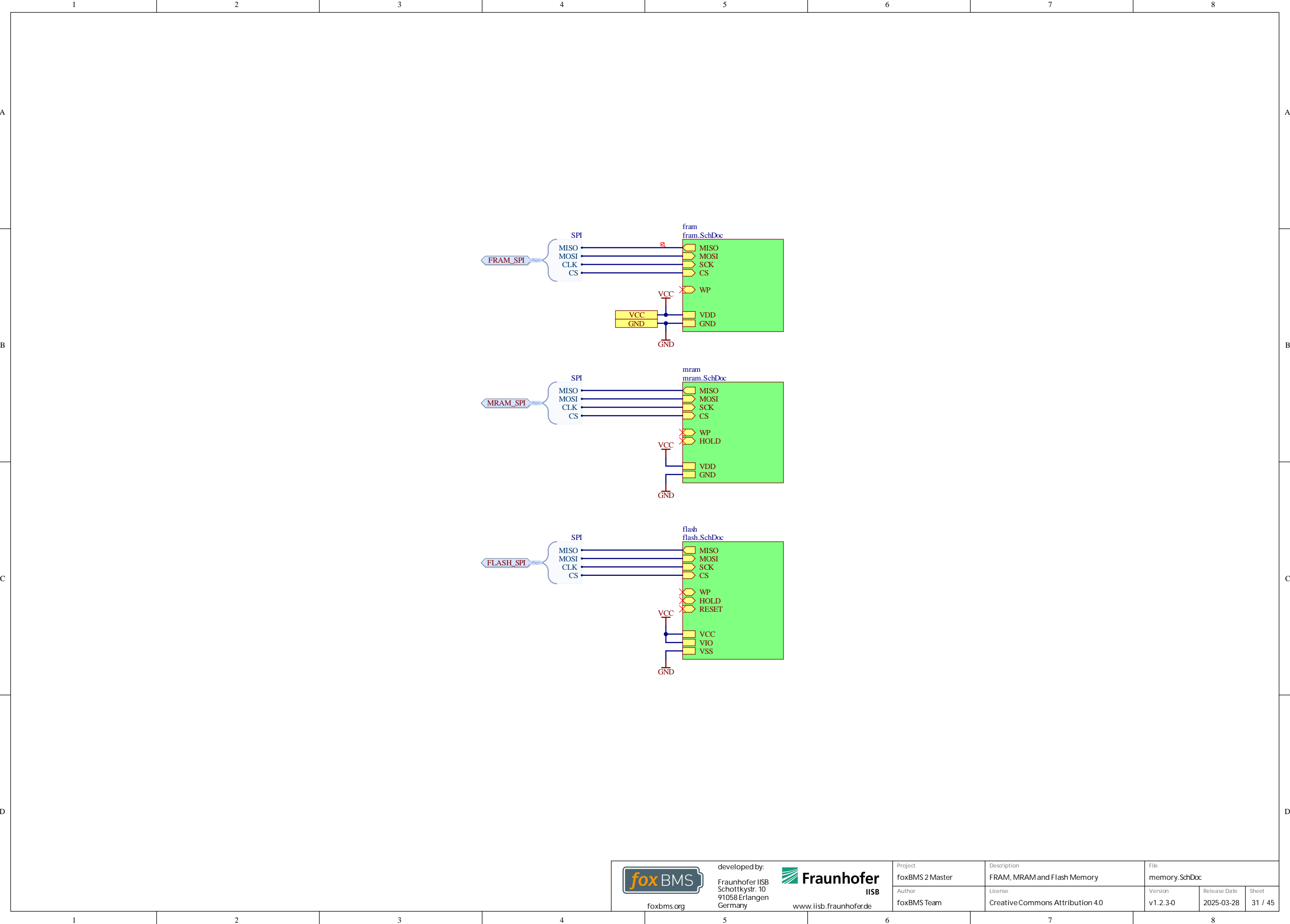


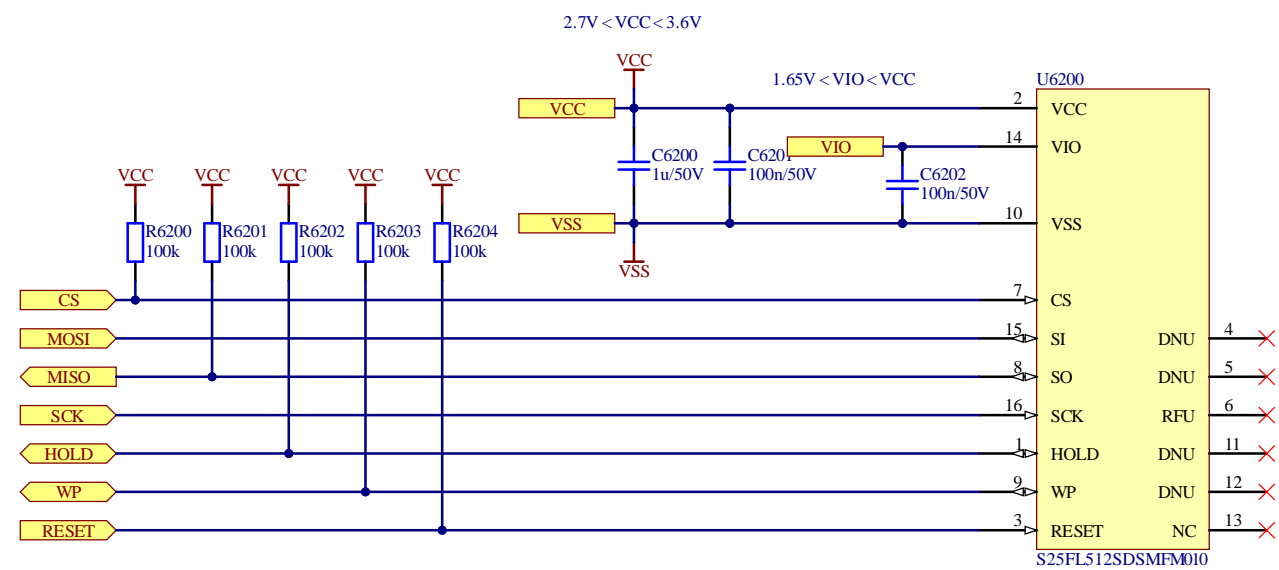


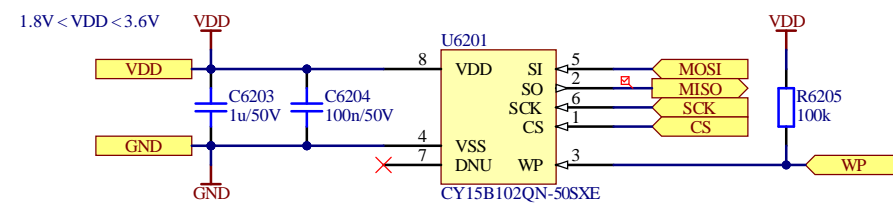




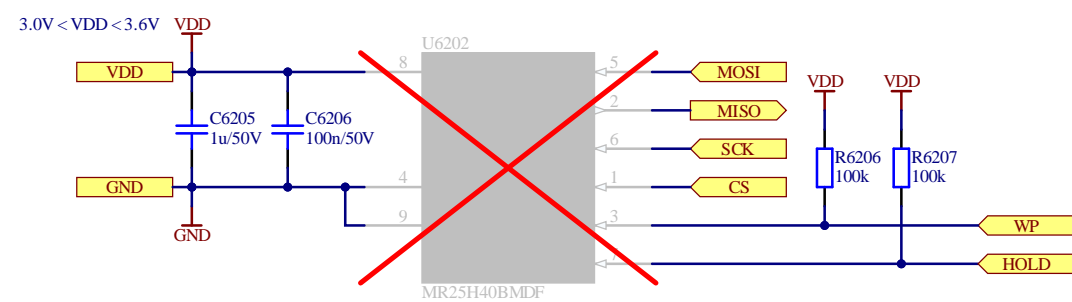


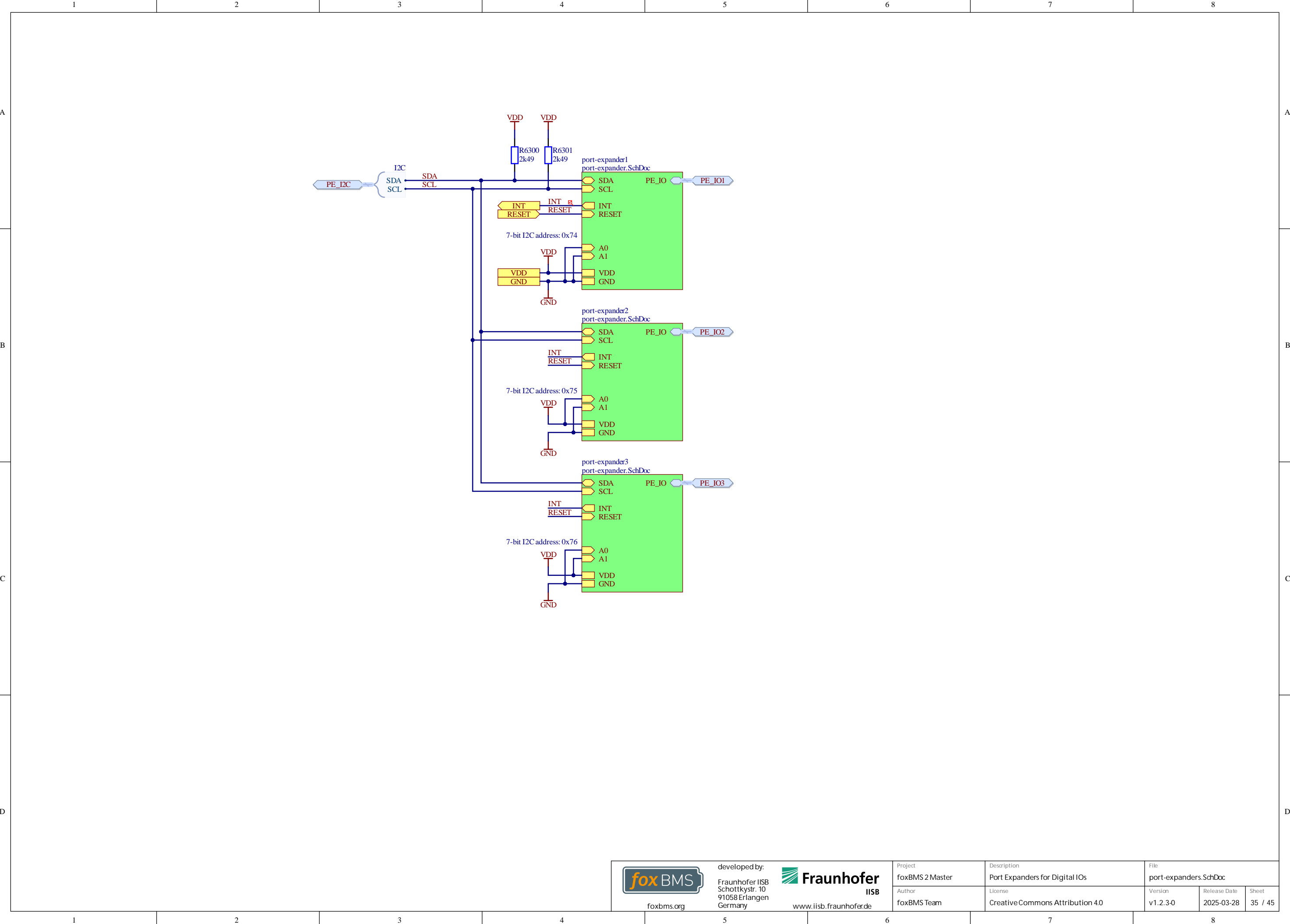


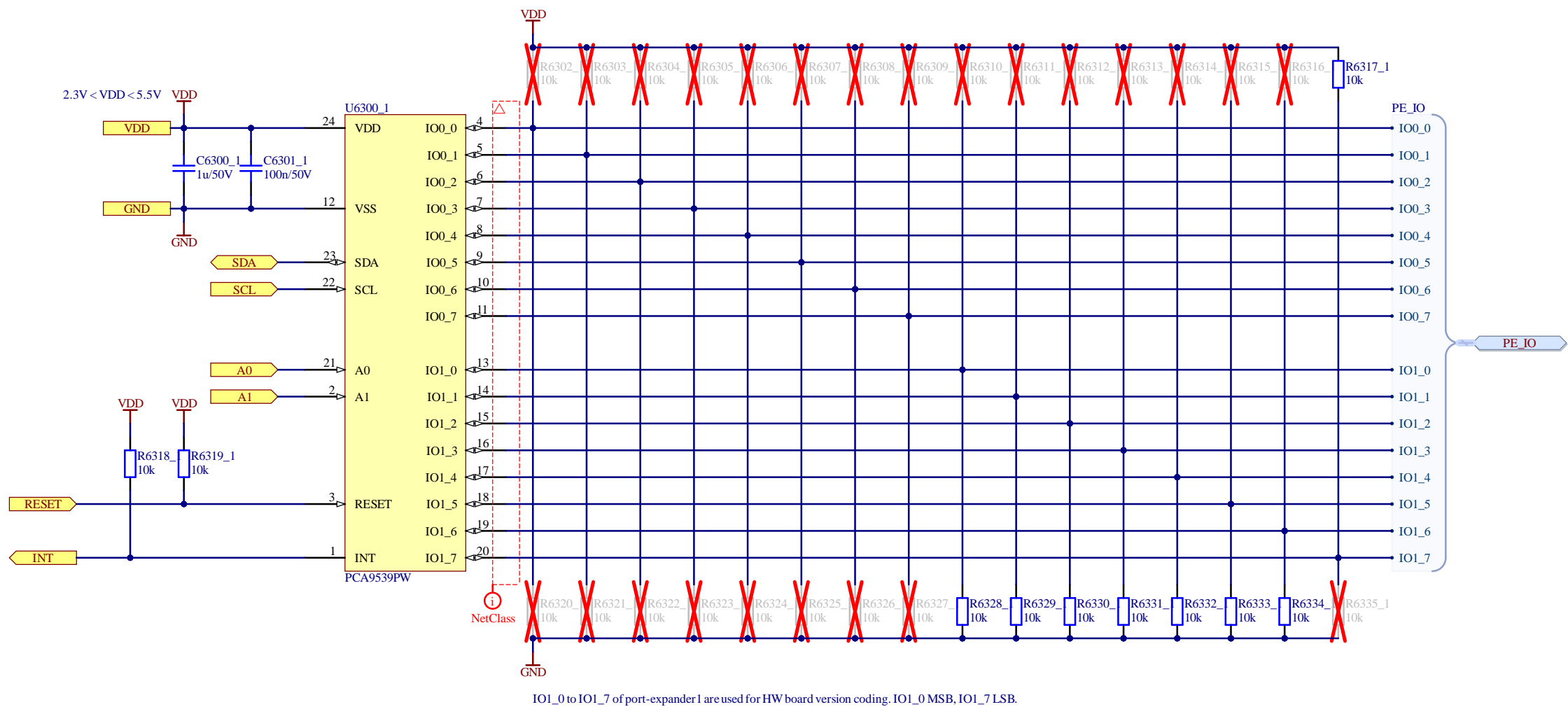


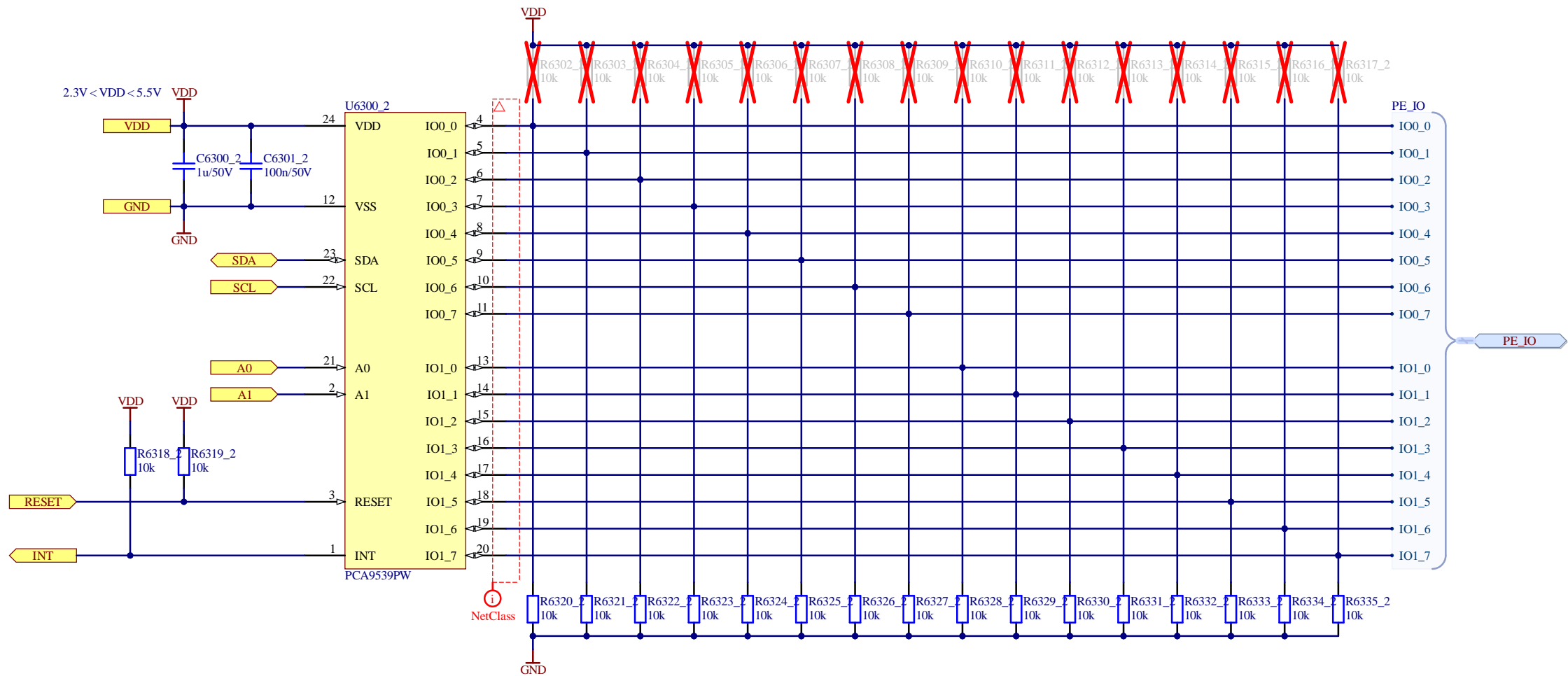












IO1\_0 to IO1\_7 of port-expander1 are used for HW board version coding. IO1\_0 MSB, IO1\_7 LSB.



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Project

foxBMS 2 Master

Author

foxBMS Team

Description

Port Expander Digital IOs

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port-expander.SchDoc

Version

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