
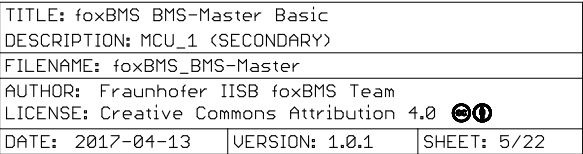
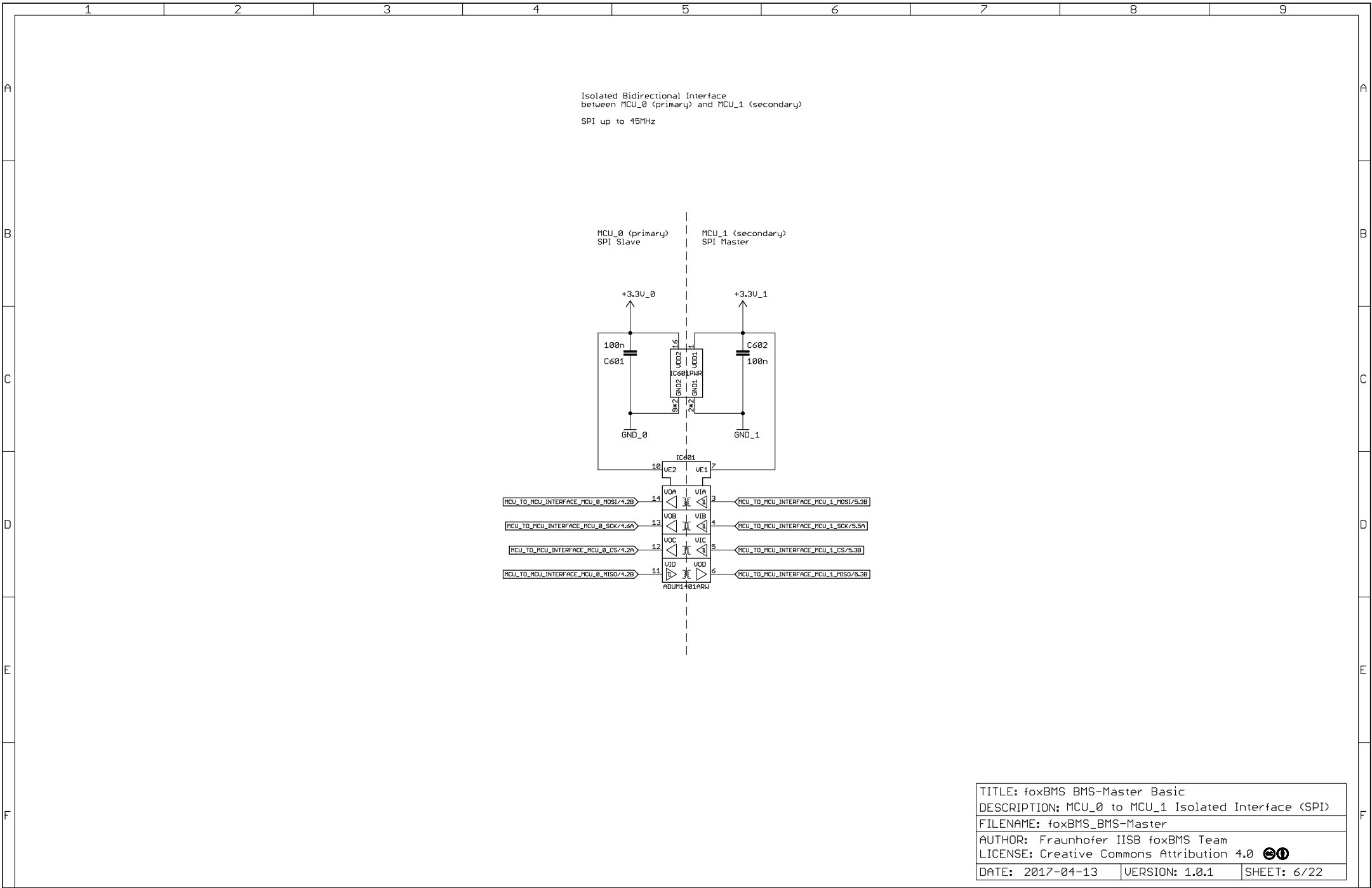
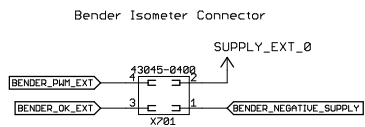


TITLE: foxBMS BMS-Master Basic		
DESCRIPTION: SUPPLY_1		
FILENAME: foxBMS_BMS-Master		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-04-13	VERSION: 1.0.1	SHEET: 3/22

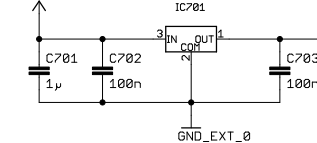






Onboard supply

SUPPLY_EXT_0



Status Signal
from Bender Isometer

BENDER_OK_EXT

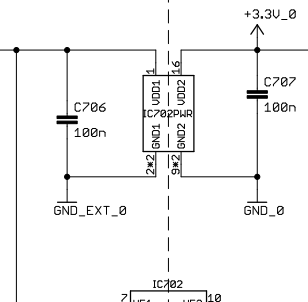
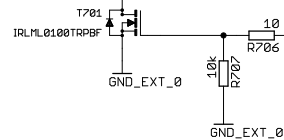
Diagnostic Signal
from Bender Isometer
(PWM coded)

BENDER_PWM_EXT

Solder jumper:
open for Bender IR155-3203 (LS)
closed for Bender IR155-3204/-3210 (HS)

BENDER_NEGATIVE_SUPPLY

Bender Supply LS Switch

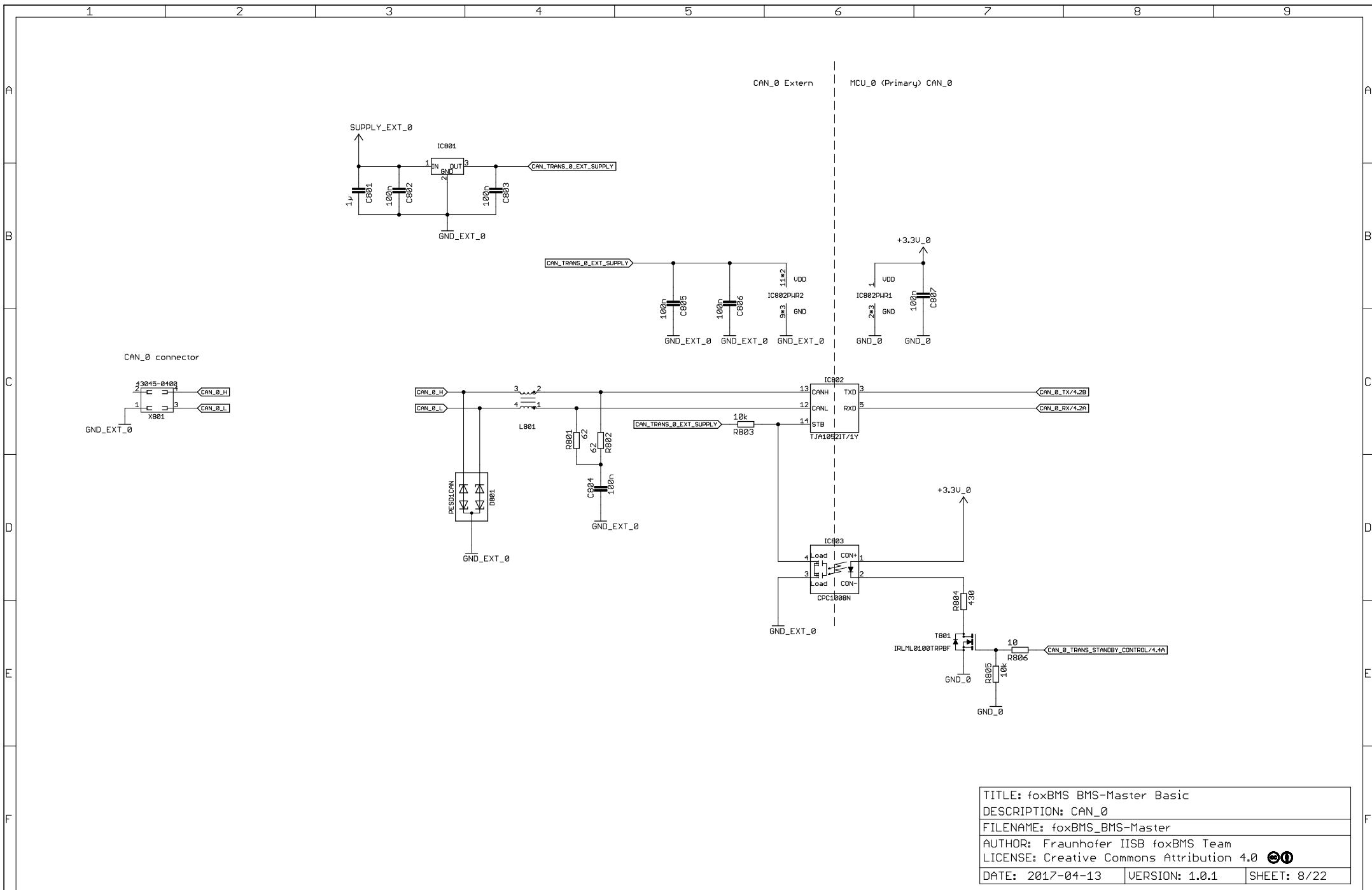


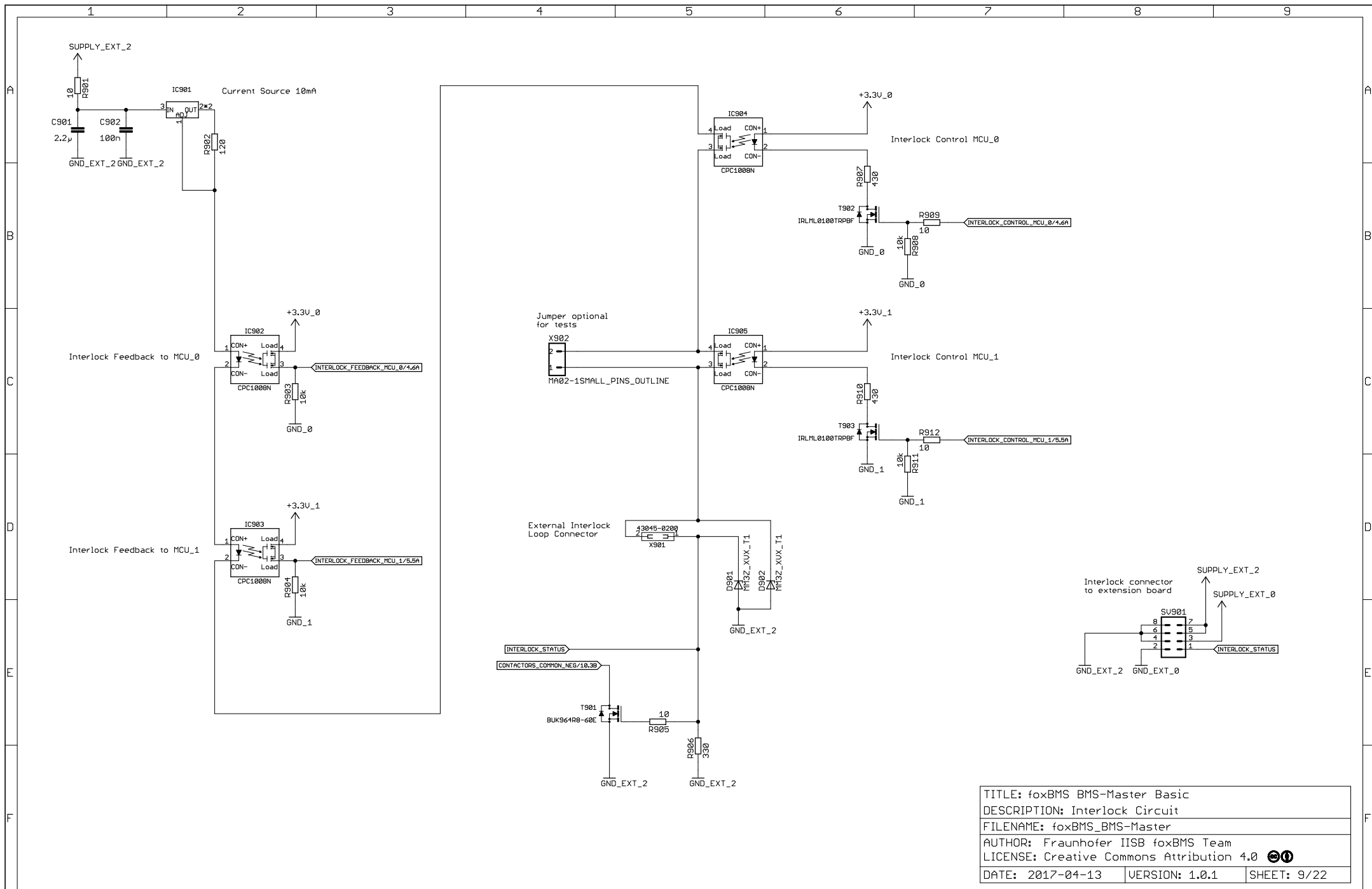
IC702

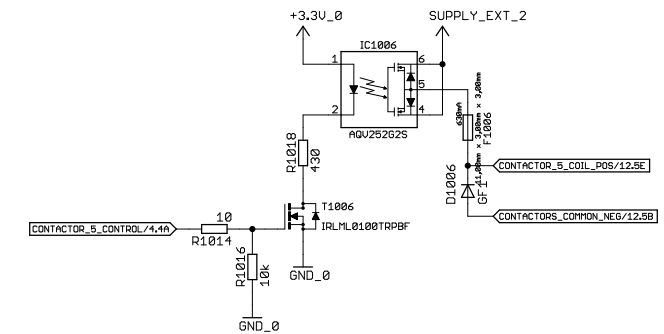
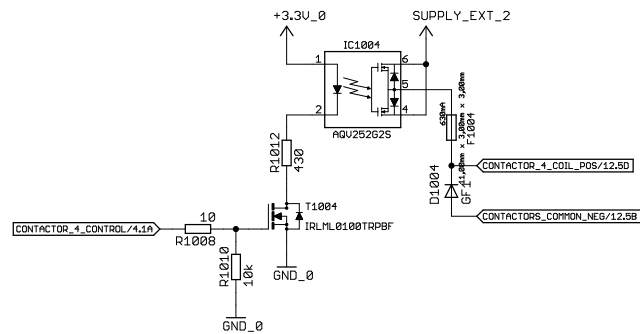
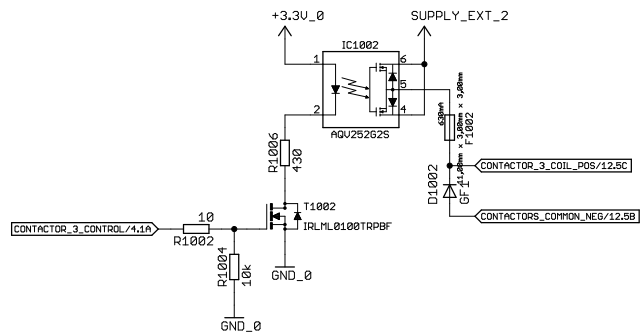
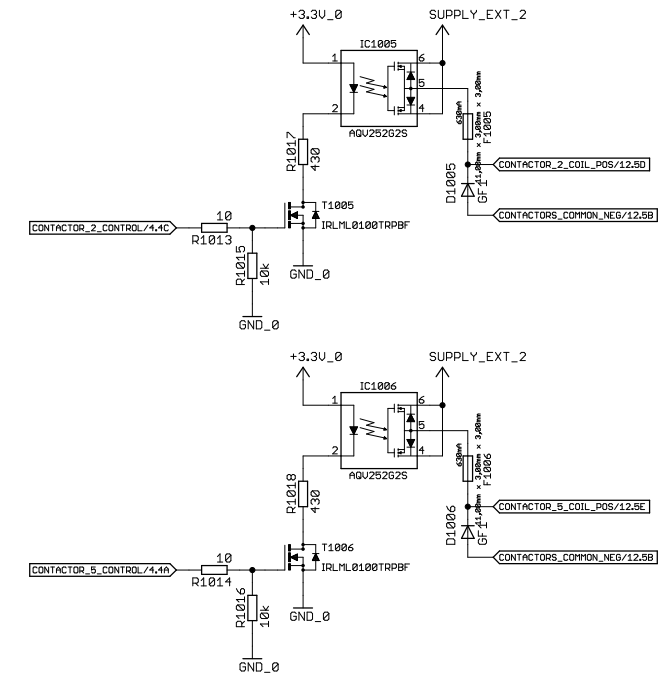
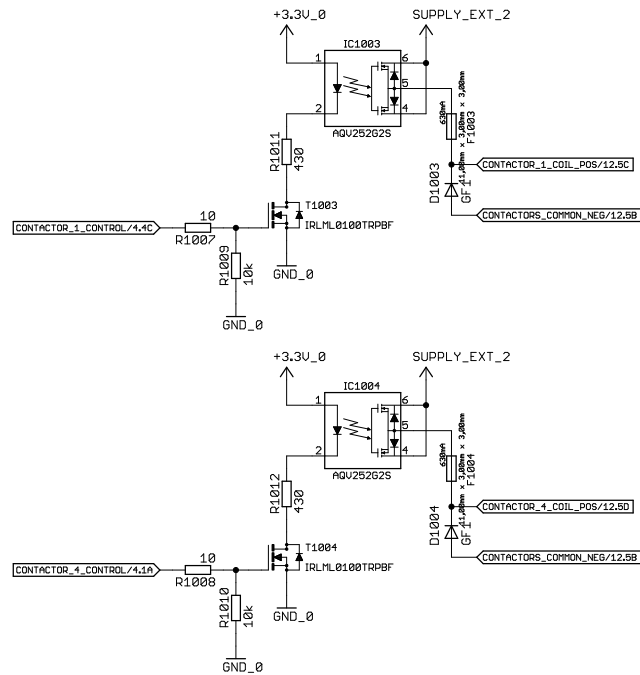
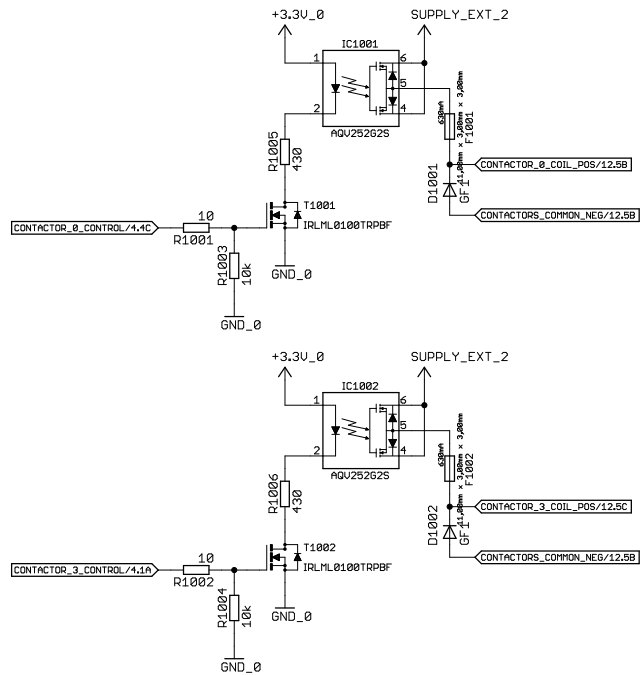
VE1, VE2, 1, 2, 3, 4, 5, 6


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TITLE: foxBMS BMS-Master Basic		
DESCRIPTION: BENDER Isometer Interface		
FILENAME: foxBMS_BMS-Master		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0		
DATE: 2017-04-13	VERSION: 1.0.1	SHEET: 7/22

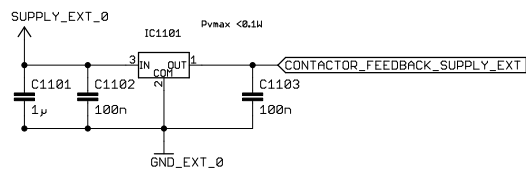




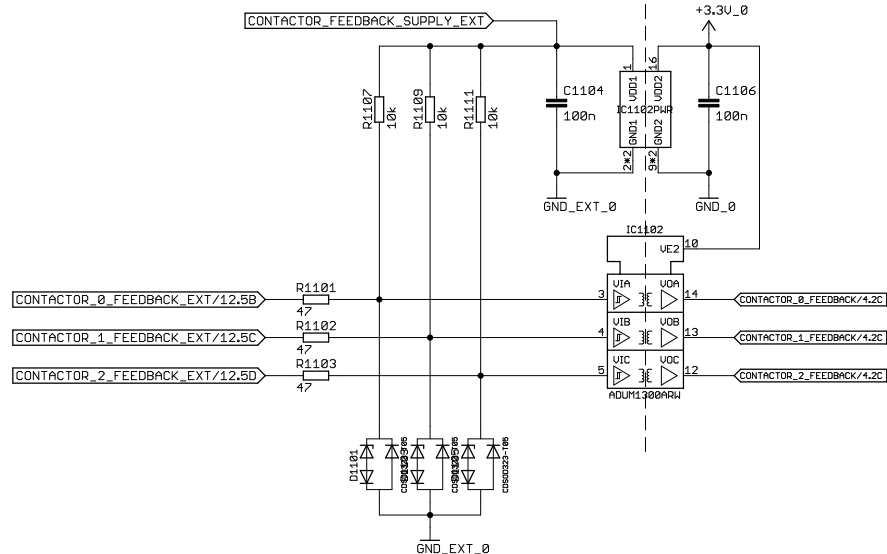


TITLE: foxBMS BMS-Master Basic		
DESCRIPTION: Contactor Control		
FILENAME: foxBMS_BMS-Master		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-04-13	VERSION: 1.0.1	SHEET: 10/22

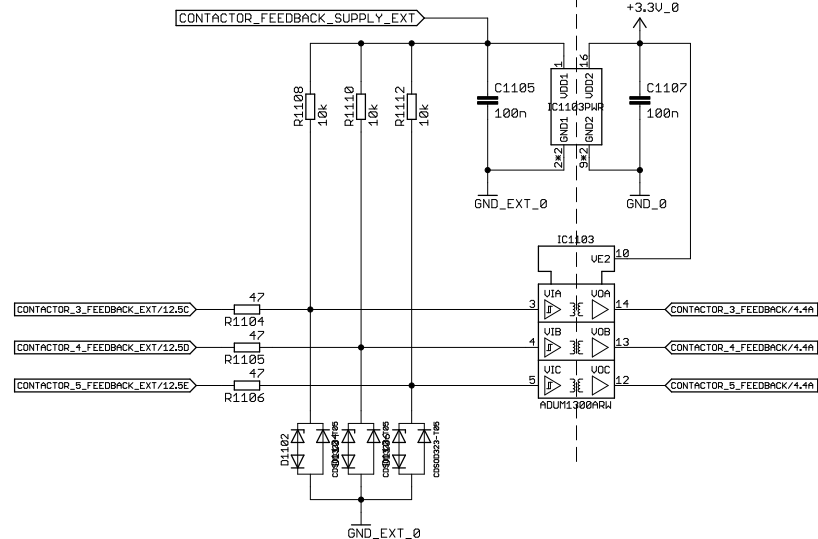
Contactor Feedback Supply from External Supply




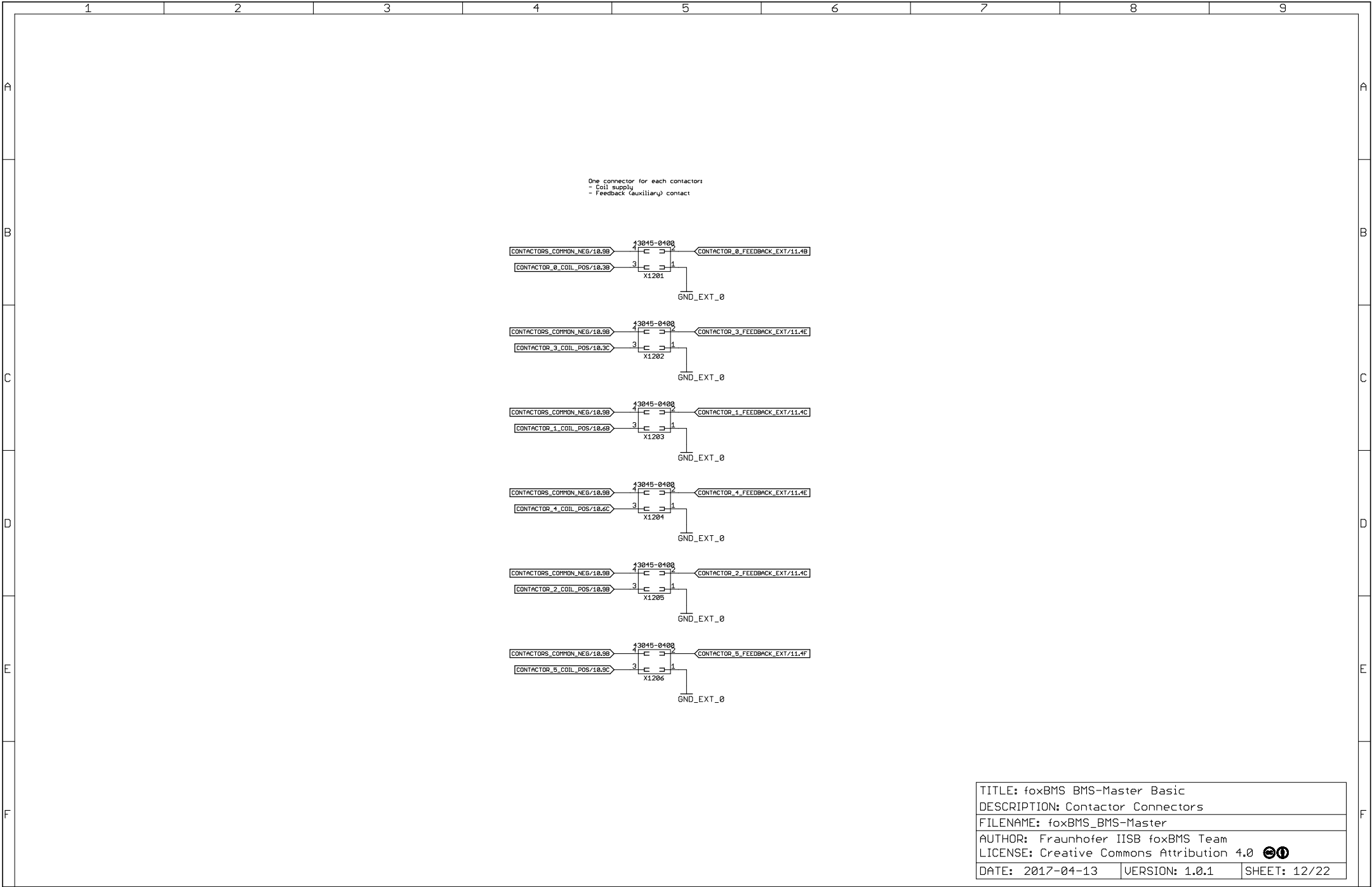
Contactor Feedback Isolation 0 to 2




Contactor Feedback Isolation 3 to 5

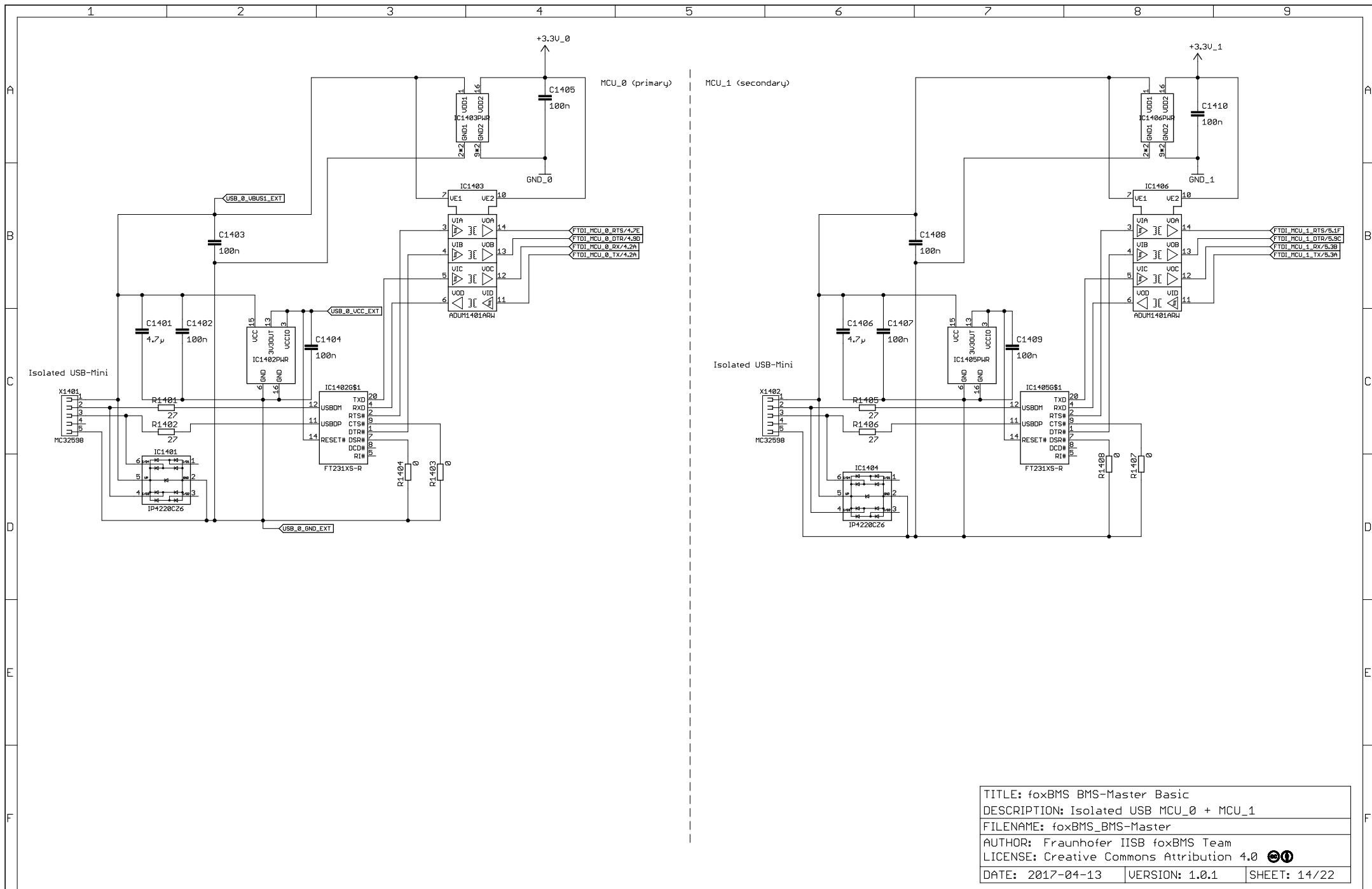


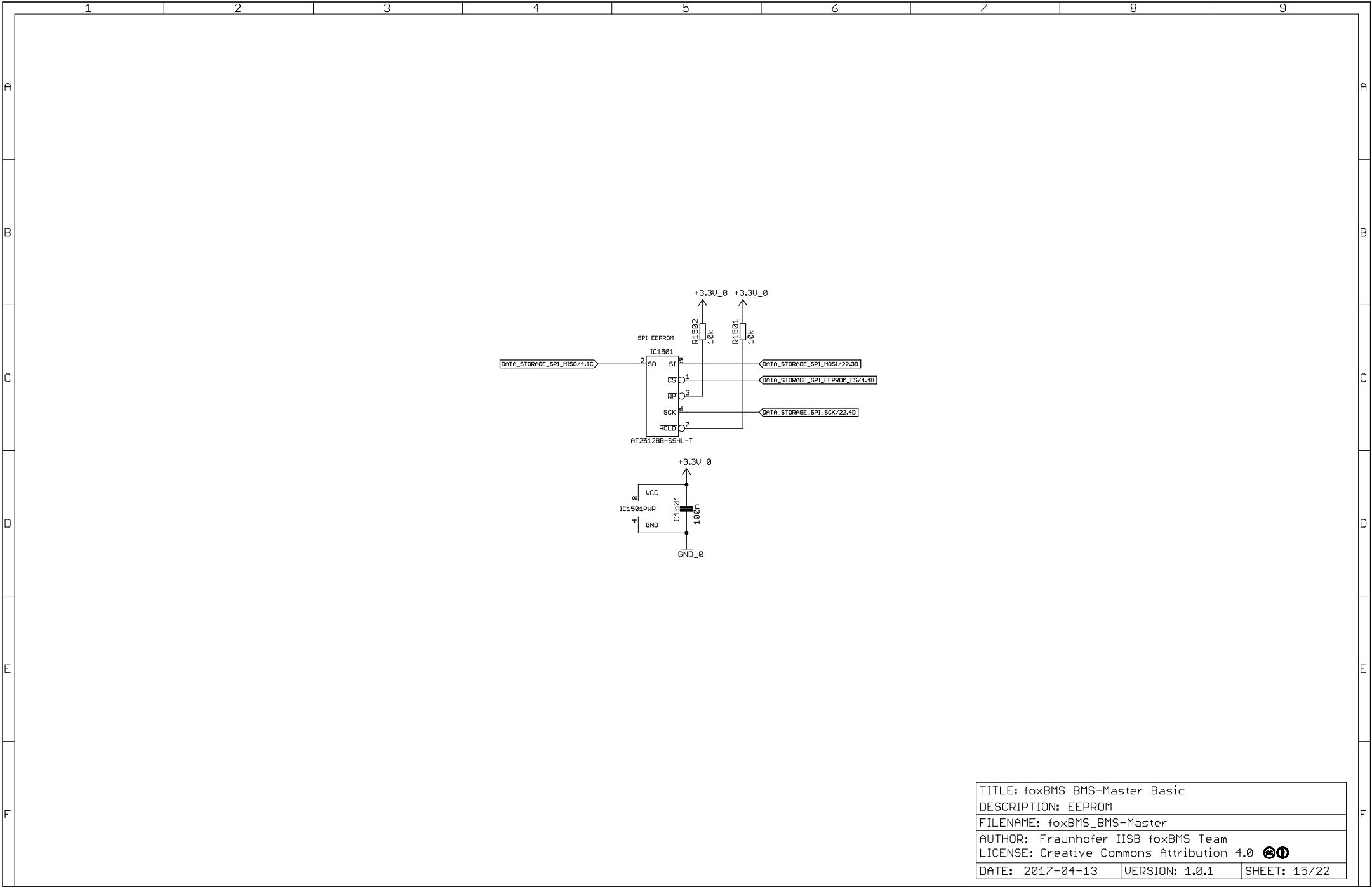
TITLE: foxBMS BMS-Master Basic		
DESCRIPTION: Contactor Feedback		
FILENAME: foxBMS_BMS-Master		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-04-13	VERSION: 1.0.1	SHEET: 11/22

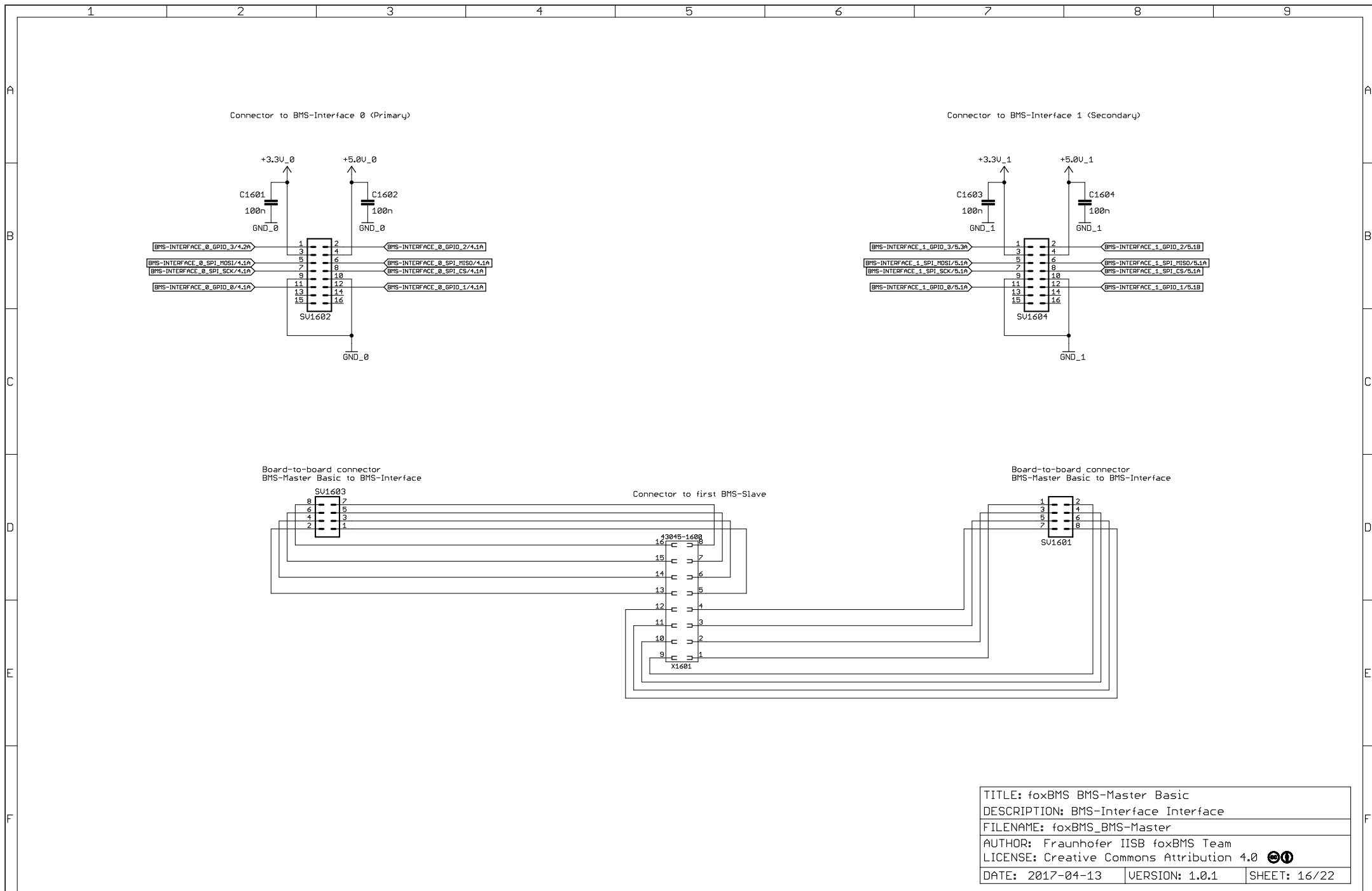


	1	2	3	4	5	6	7	8	9	
A										A
B										B
C										C
D										D
E										E
F										F


TITLE: foxBMS BMS-Master Basic		
DESCRIPTION: Isolated RS485		
FILENAME: foxBMS_BMS-Master		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-04-13	VERSION: 1.0.1	SHEET: 13/22

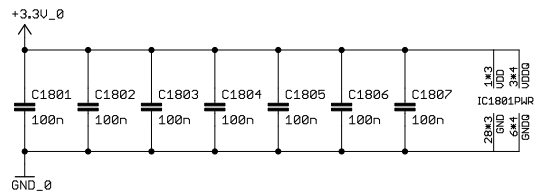
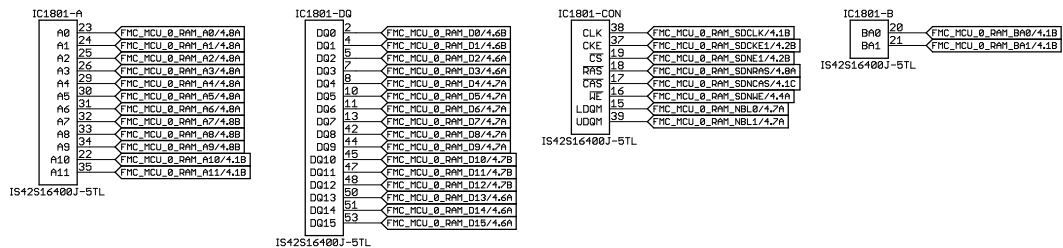






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B										B
C										C
D										D
E										E
F										F


TITLE: foxBMS BMS-Master Basic		
DESCRIPTION: Analog Inputs		
FILENAME: foxBMS_BMS-Master		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-04-13	VERSION: 1.0.1	SHEET: 17/22




TITLE: foxBMS BMS-Master Basic		
DESCRIPTION: 8MB SDRAM		
FILENAME: foxBMS_BMS-Master		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0		
DATE: 2017-04-13	VERSION: 1.0.1	SHEET: 18/22

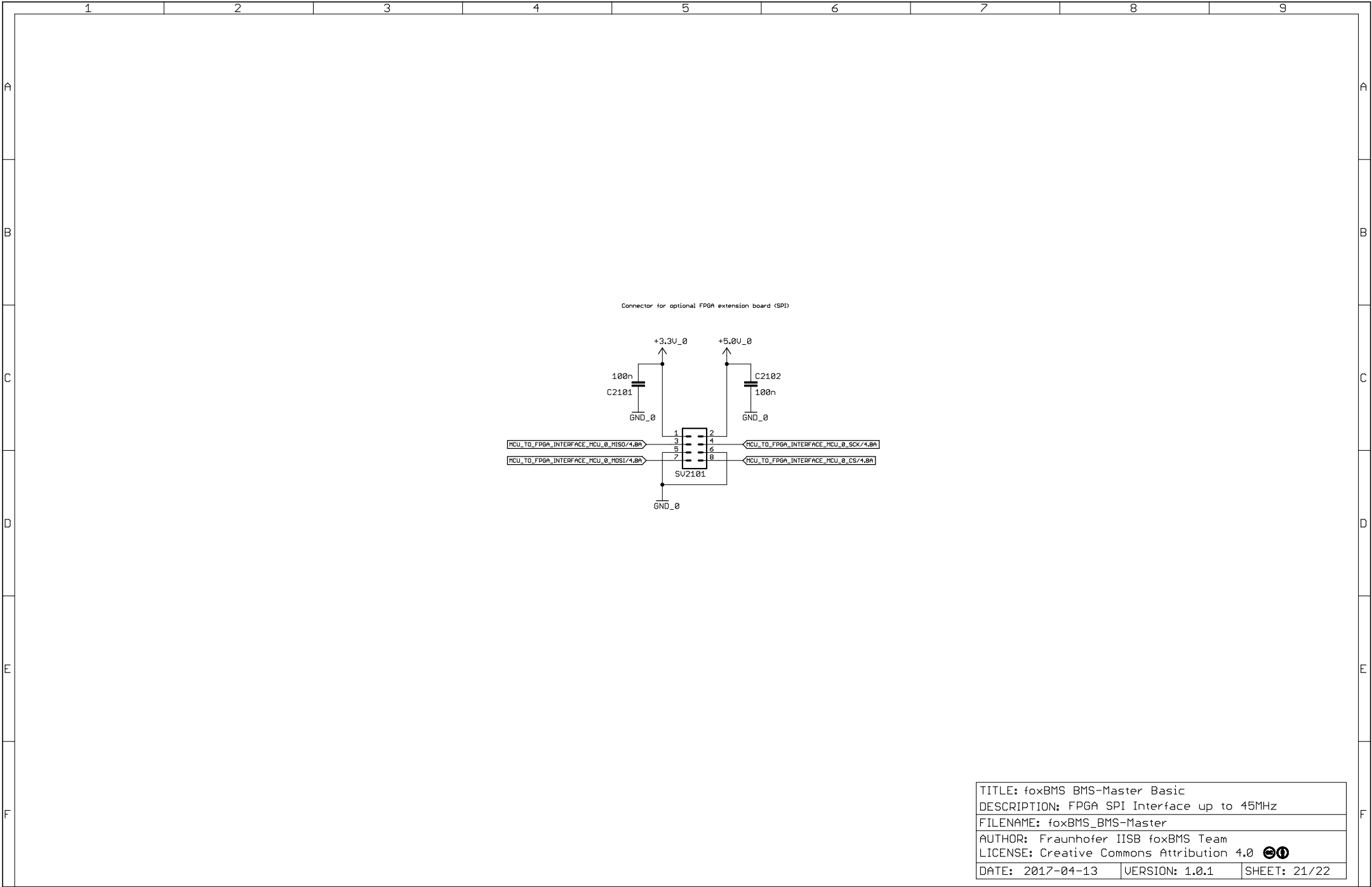
After STM32F429I-DISCO schematic (ST STM32F429 Discovery Evalboards)
same 8MB SDRAM, same interface and pins

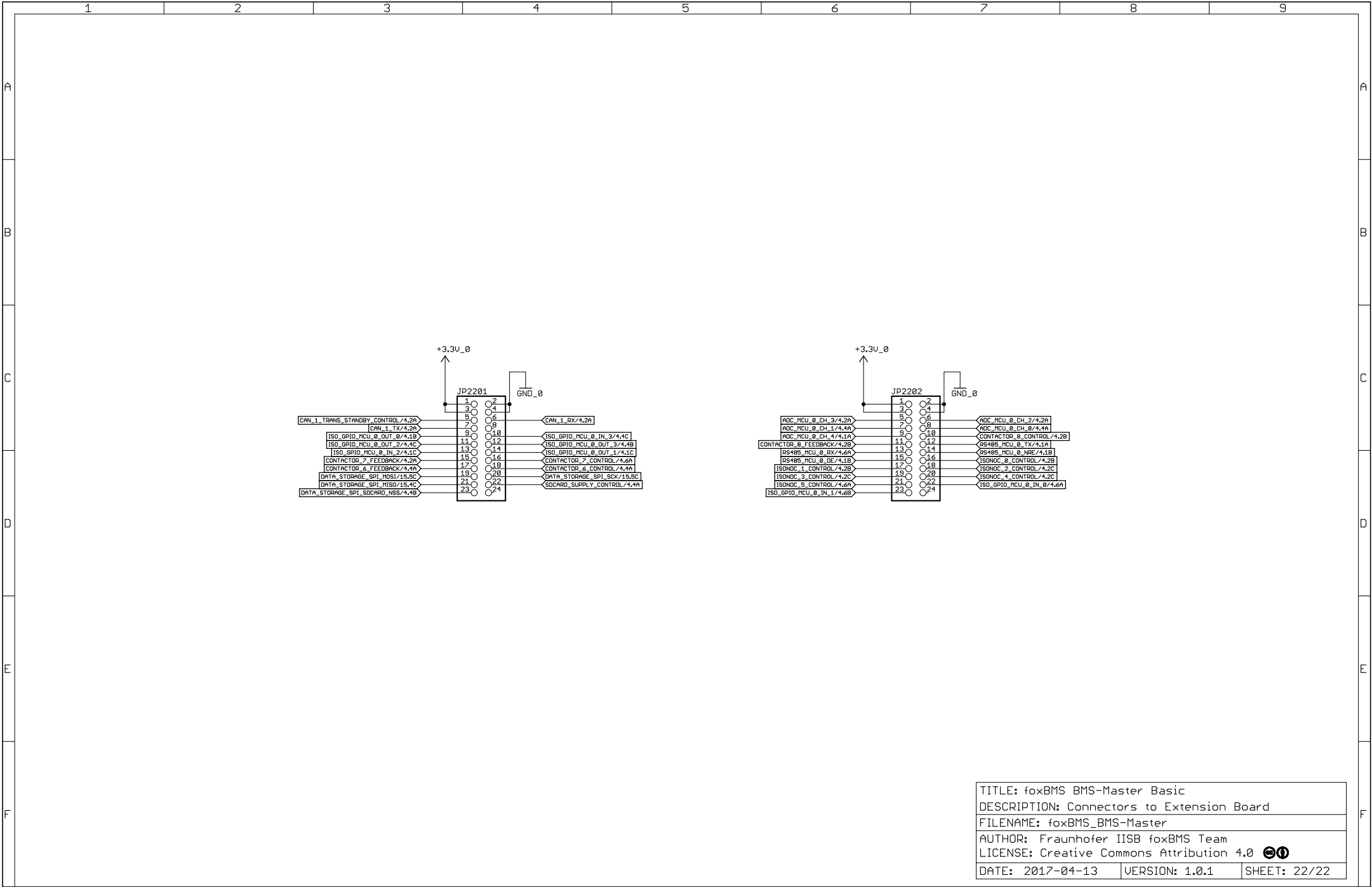
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B									B
C									C
D									D
E									E
F									F


TITLE: foxBMS BMS-Master Basic		
DESCRIPTION: Isolated GPIO 4x In / 4x Out		
FILENAME: foxBMS_BMS-Master		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-04-13	VERSION: 1.0.1	SHEET: 19/22

	1	2	3	4	5	6	7	8	9	
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B										B
C										C
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F										F

TITLE: foxBMS BMS-Master Basic		
DESCRIPTION: Isolated Normally Open Contacts		
FILENAME: foxBMS_BMS-Master		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-04-13	VERSION: 1.0.1	SHEET: 20/22





TITLE: foxBMS BMS-Master Basic		
DESCRIPTION: Connectors to Extension Board		
FILENAME: foxBMS_BMS-Master		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-04-13	VERSION: 1.0.1	SHEET: 22/22