



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

This page was intentionally left blank.

TITLE: foxBMS BMS-Extension		
DESCRIPTION: SUPPLY_0		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 2/22


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

This page was intentionally left blank.

TITLE: foxBMS BMS-Extension		
DESCRIPTION: SUPPLY_1		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 3/22


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

This page was intentionally left blank.

TITLE: foxBMS BMS-Extension		
DESCRIPTION: MCU_0 (PRIMARY)		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 4/22


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

This page was intentionally left blank.

TITLE: foxBMS BMS-Extension		
DESCRIPTION: MCU_1 (SECONDARY)		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 5/22


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

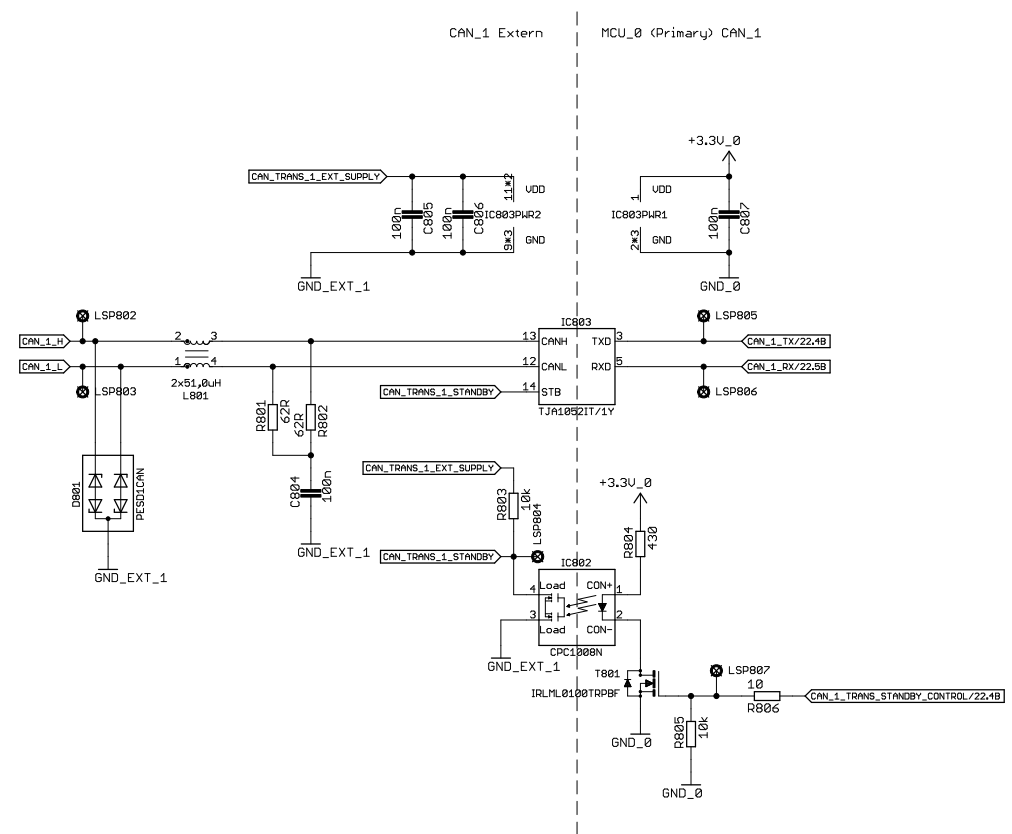
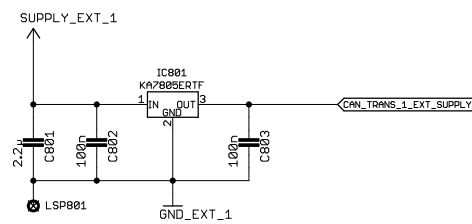
This page was intentionally left blank.


TITLE: foxBMS BMS-Extension		
DESCRIPTION: MCU_0 to MCU_1 Isolated Interface <SPI>		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 6/22

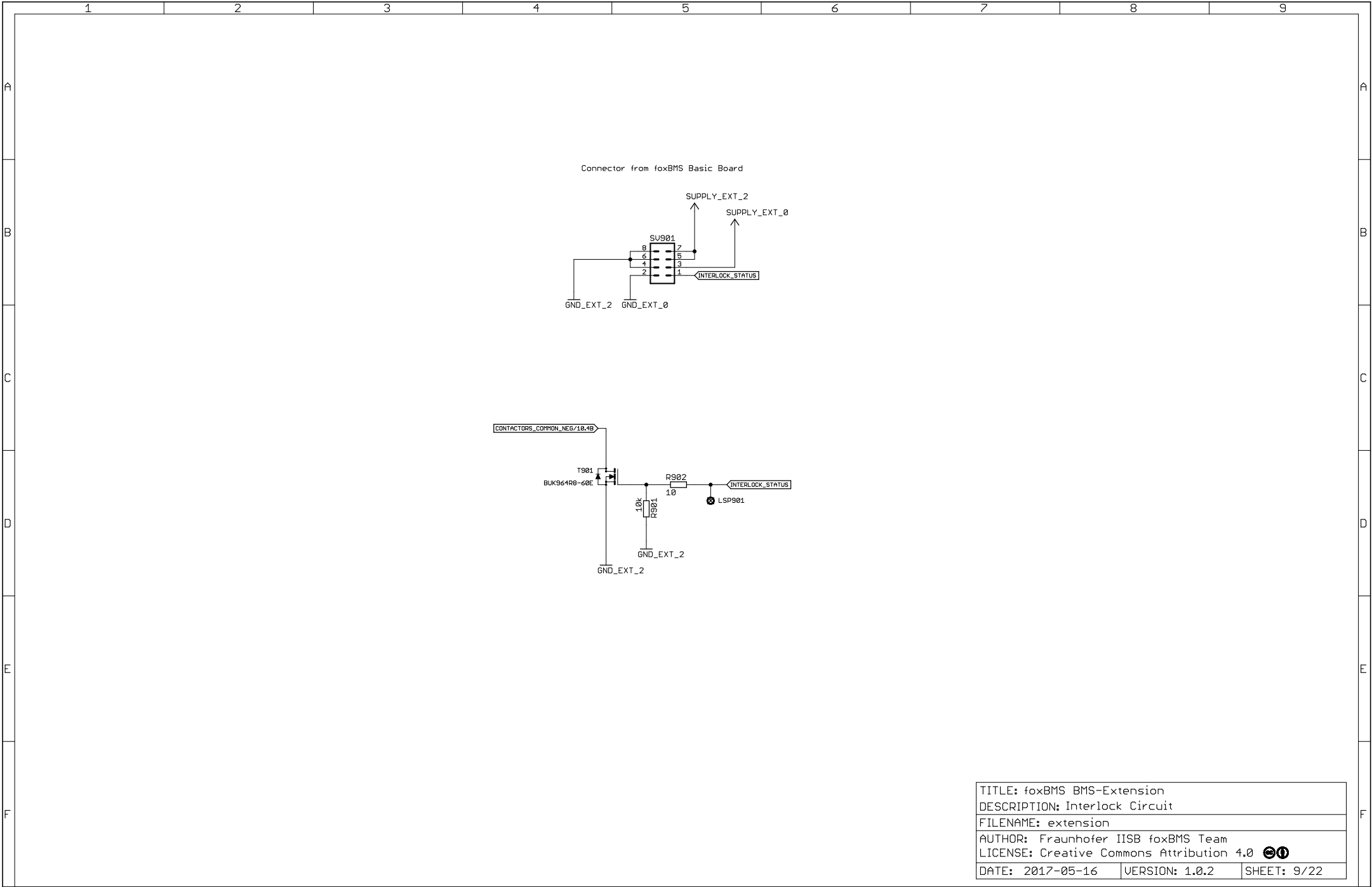
	1	2	3	4	5	6	7	8	9	
A										A
B										B
C										C
D										D
E										E
F										F

This page was intentionally left blank.

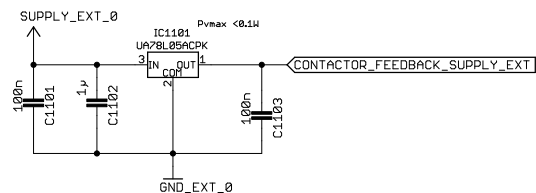
TITLE: foxBMS BMS-Extension		
DESCRIPTION: BENDER Isometer Interface		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 7/22



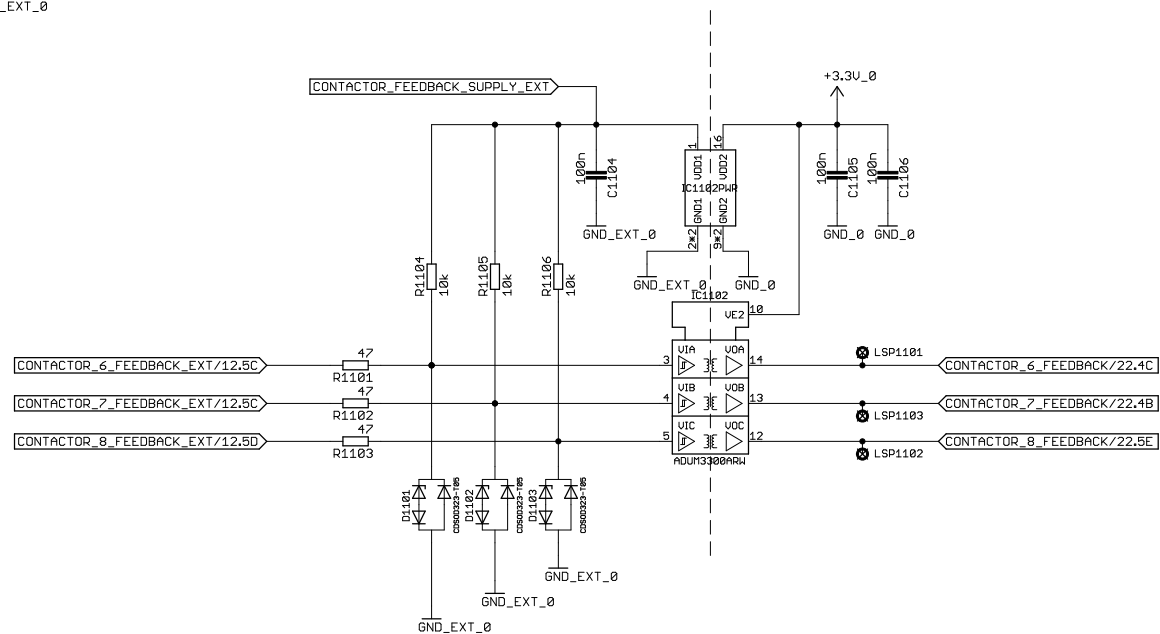
TITLE: foxBMS BMS-Extension		
DESCRIPTION: CAN_1		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 8/22




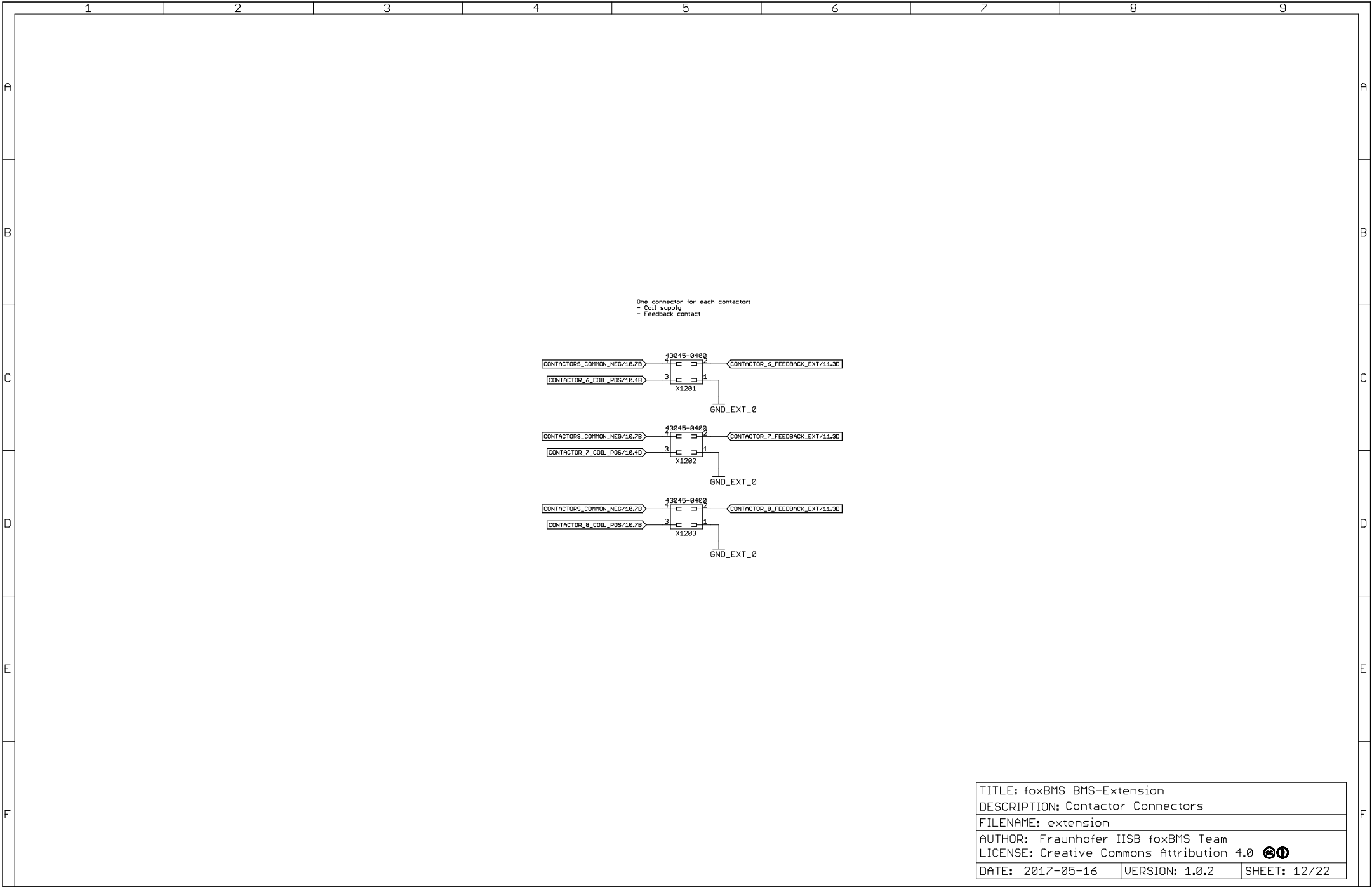
Contactor Feedback Supply from External Supply

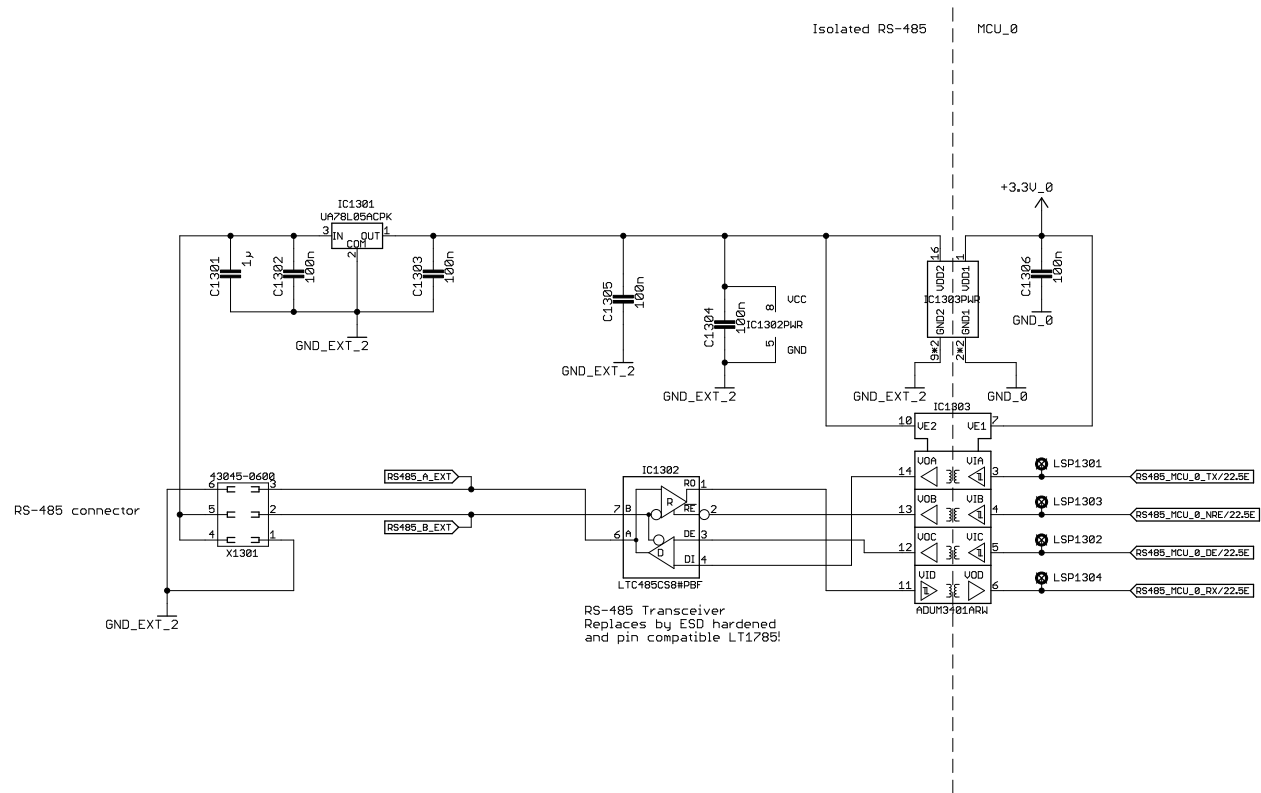



Contactor Feedback Isolation 6 to 8



TITLE: foxBMS BMS-Extension		
DESCRIPTION: Contactor Feedback		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 11/22




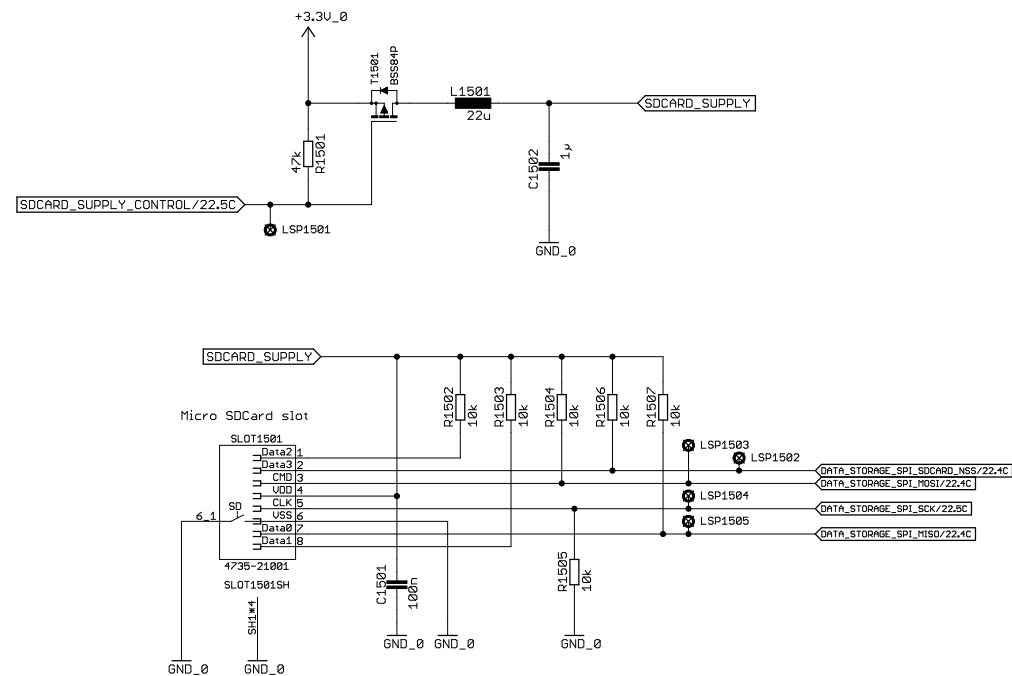



TITLE: foxBMS BMS-Extension		
DESCRIPTION: Isolated RS485		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 13/22

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

This page was intentionally left blank.


TITLE: foxBMS BMS-Extension		
DESCRIPTION: Isolated USB MCU_0 + MCU_1		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 14/22

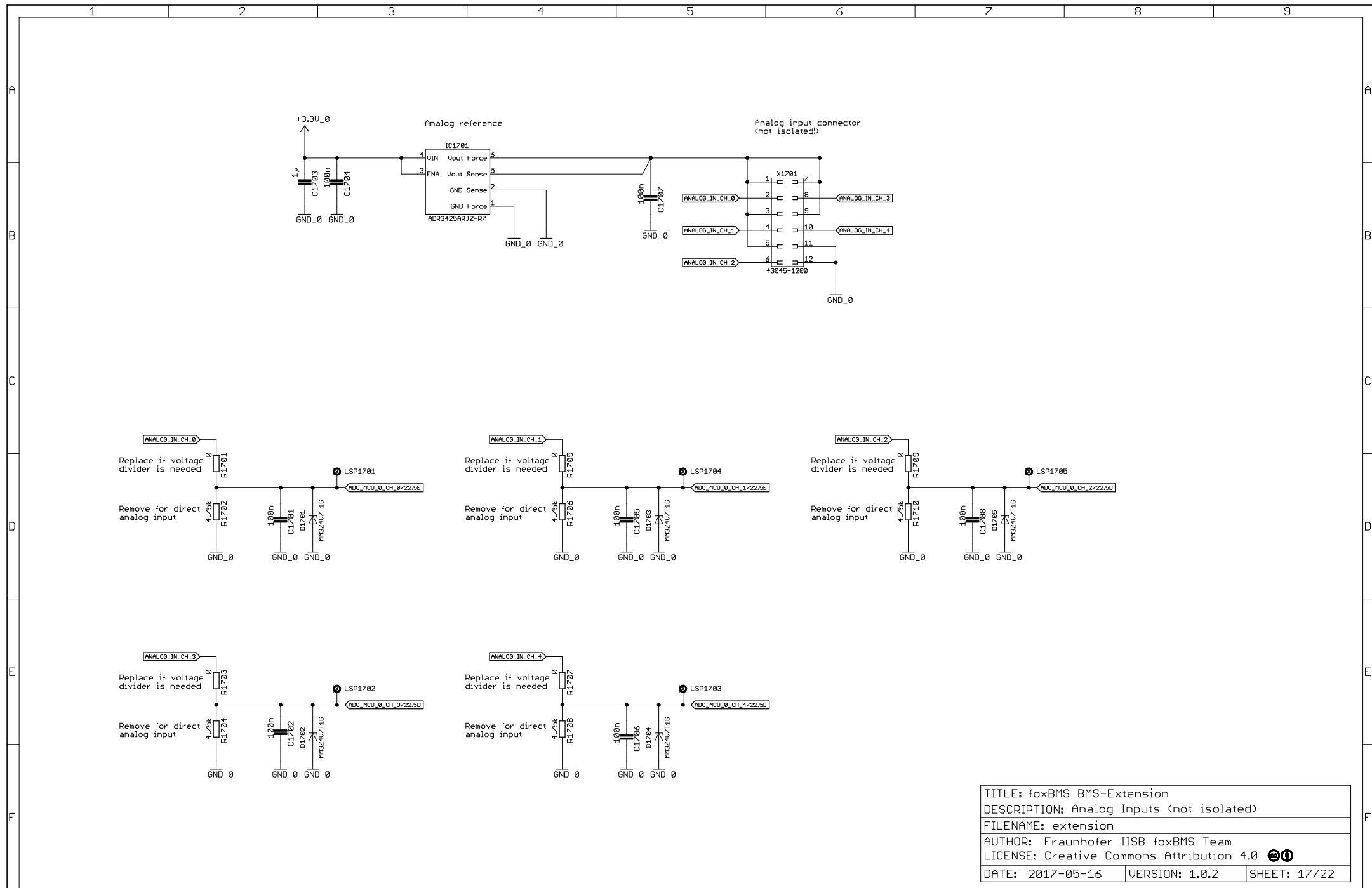


TITLE: foxBMS BMS-Extension		
DESCRIPTION: SDCARD		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 15/22

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


This page was intentionally left blank.

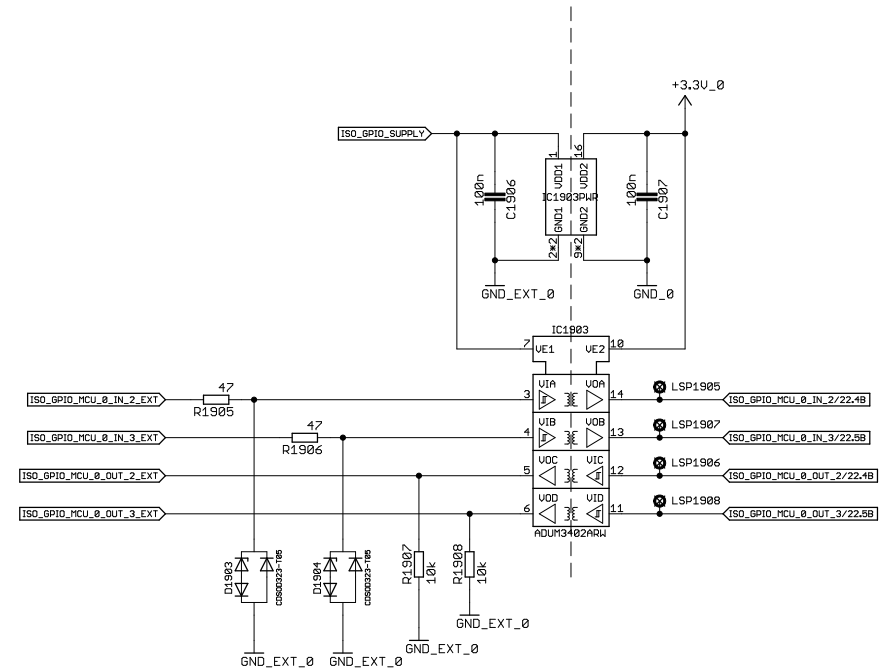
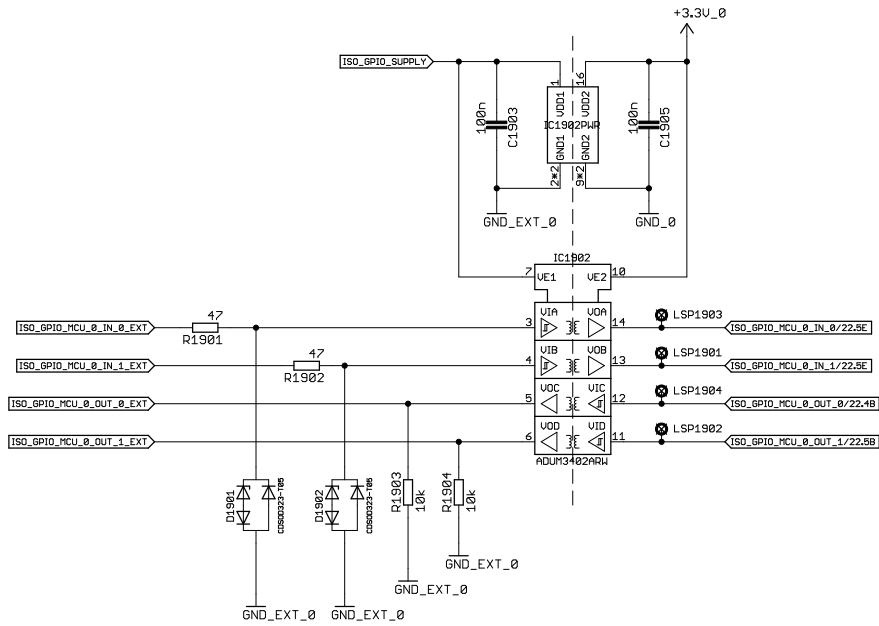
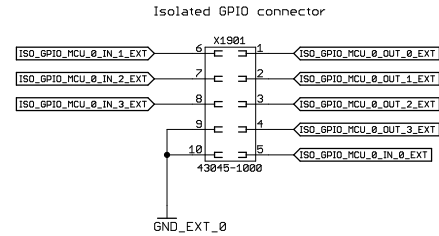
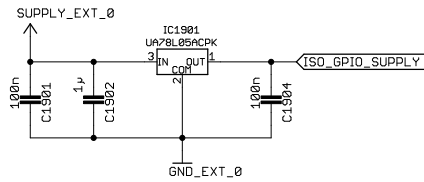
TITLE: foxBMS BMS-Extension		
DESCRIPTION: BMS-Interface Interface		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 16/22




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

This page was intentionally left blank.

TITLE: foxBMS BMS-Extension		
DESCRIPTION: 8MB SDRAM		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 18/22



TITLE: foxBMS BMS-Extension		
DESCRIPTION: Isolated GPIO 4x In / 4x Out		
FILENAME: extension		
AUTHOR: Fraunhofer IISB foxBMS Team		
LICENSE: Creative Commons Attribution 4.0 		
DATE: 2017-05-16	VERSION: 1.0.2	SHEET: 19/22

