





X-NUCLEO-NFC05A1



Title X-NUCLEO-NFC05A1				 life.augmented
Size: A4	Number: 1	Revision: A1		
Date: 14.06.2017	Time: 10:08:21	Sheet 1 of 5		
File: Title Page.SchDoc				
			MDG NFC & Reader Competence Center	

# X-NUCLEO-NFC05A1

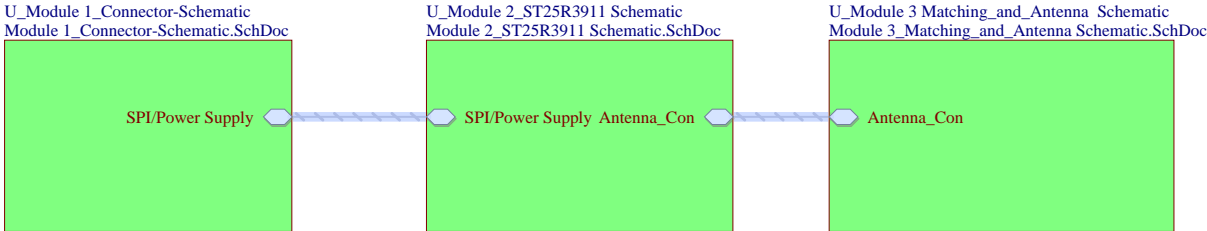


## Table of Content

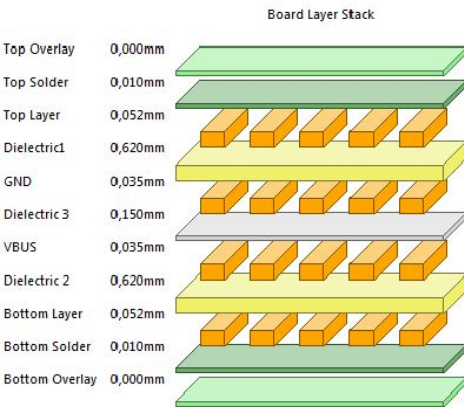
- Sheet 1: Title Page
- Sheet 2: Project Page (This page)
- Sheet 3: X-Nucleo Connector Schematic
- Sheet 4: ST25R3911B Schematic
- Sheet 5: Matching and Antenna Circuit Schematic

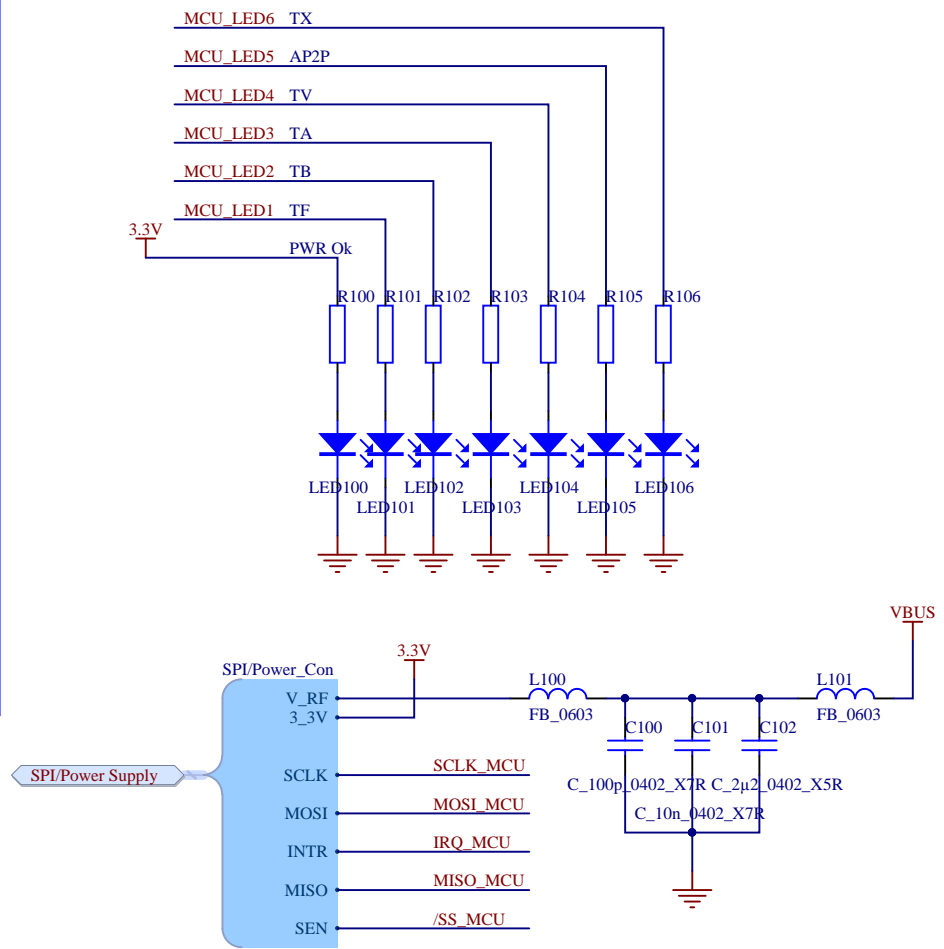
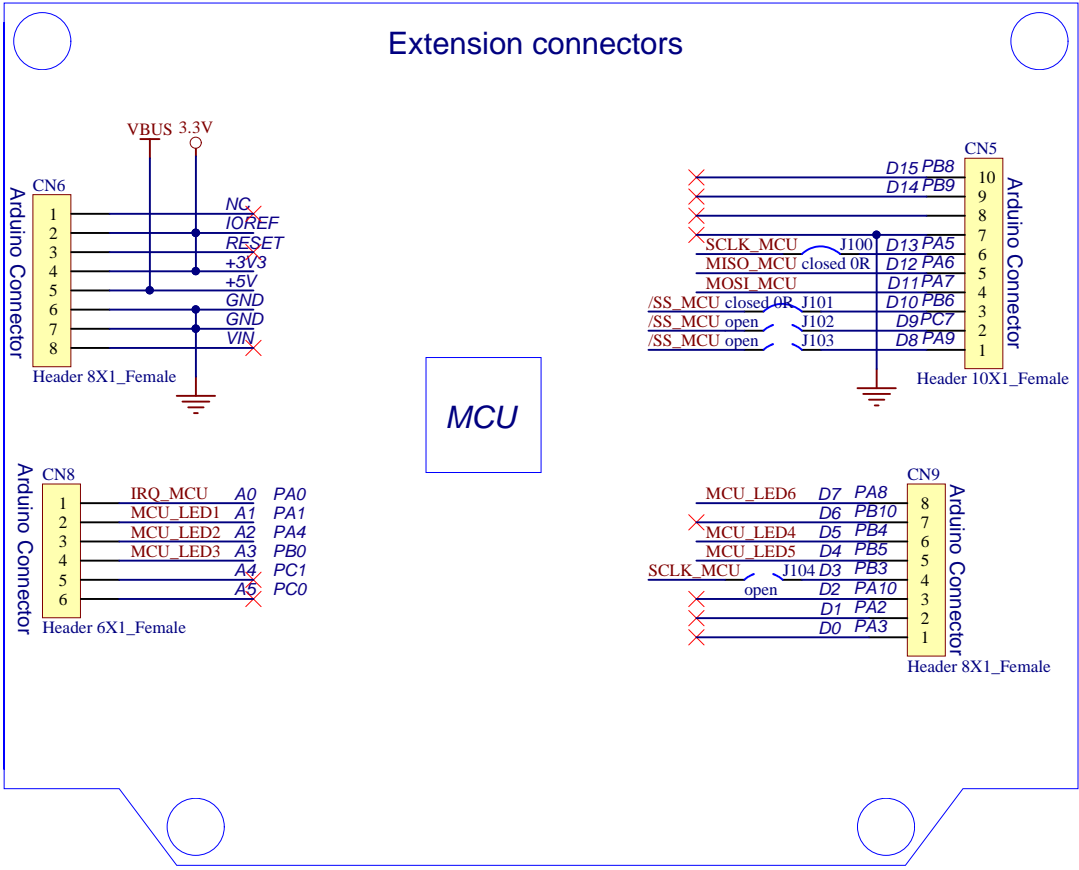
## Revision History

A1: Initial Release 06.06.2017



## PCB Stackup





Title X-NUCLEO-NFC05A1

Size: A4 Number: 3 Revision: A1

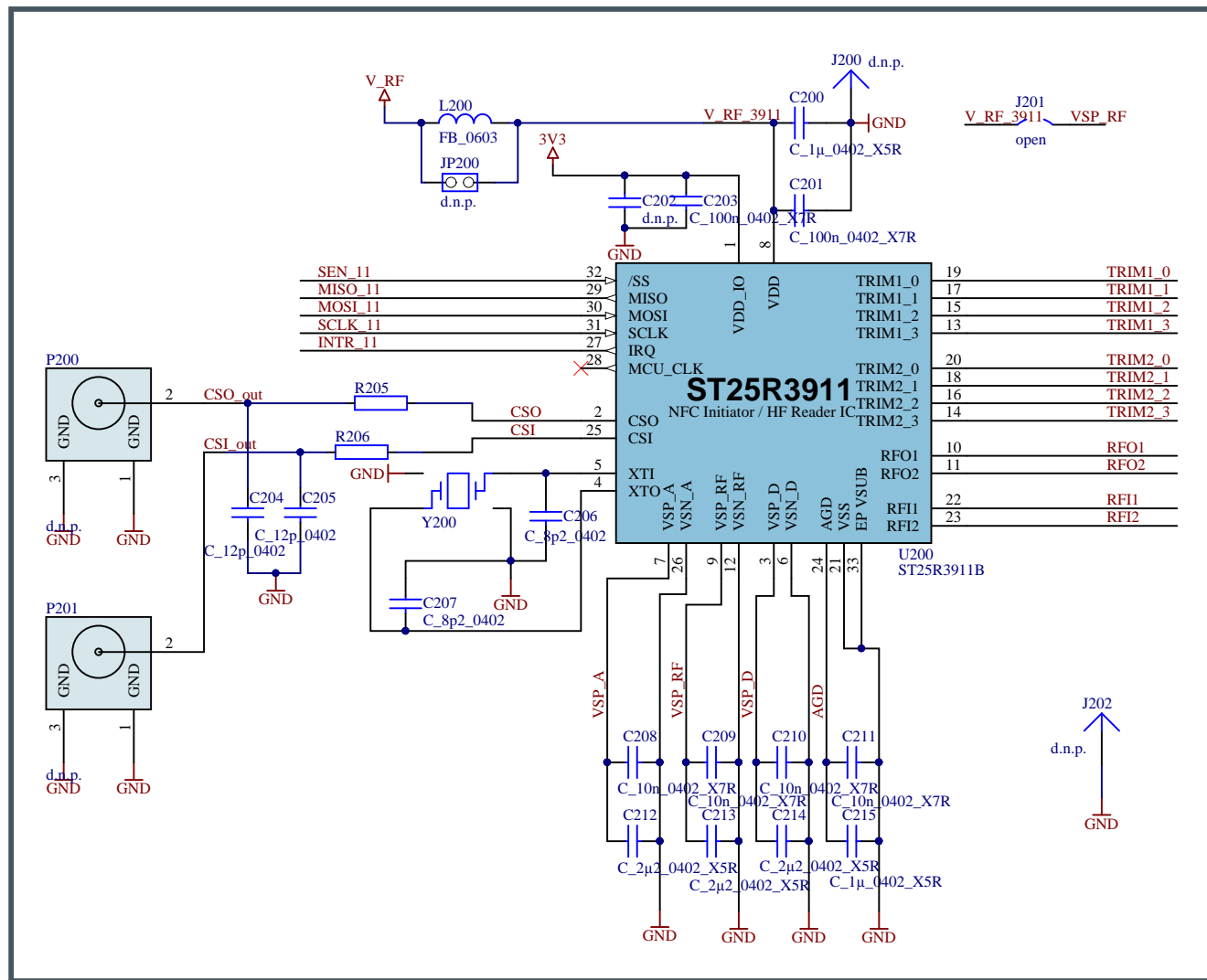
Date: 14.06.2017 Time: 10:08:22 Sheet 3 of 5

File: Module 1\_Connector-Schematic.SchDoc

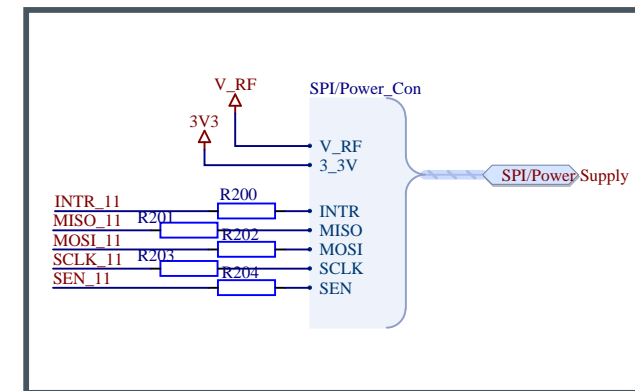


MDG NFC & Reader Competence Center

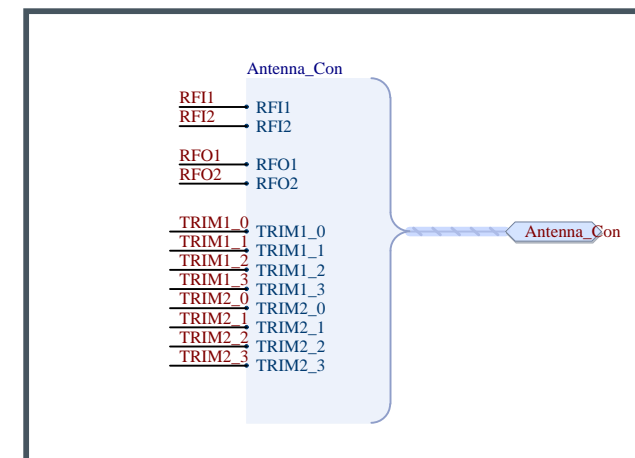
# ST25R3911 NFC Initiator / HF Reader



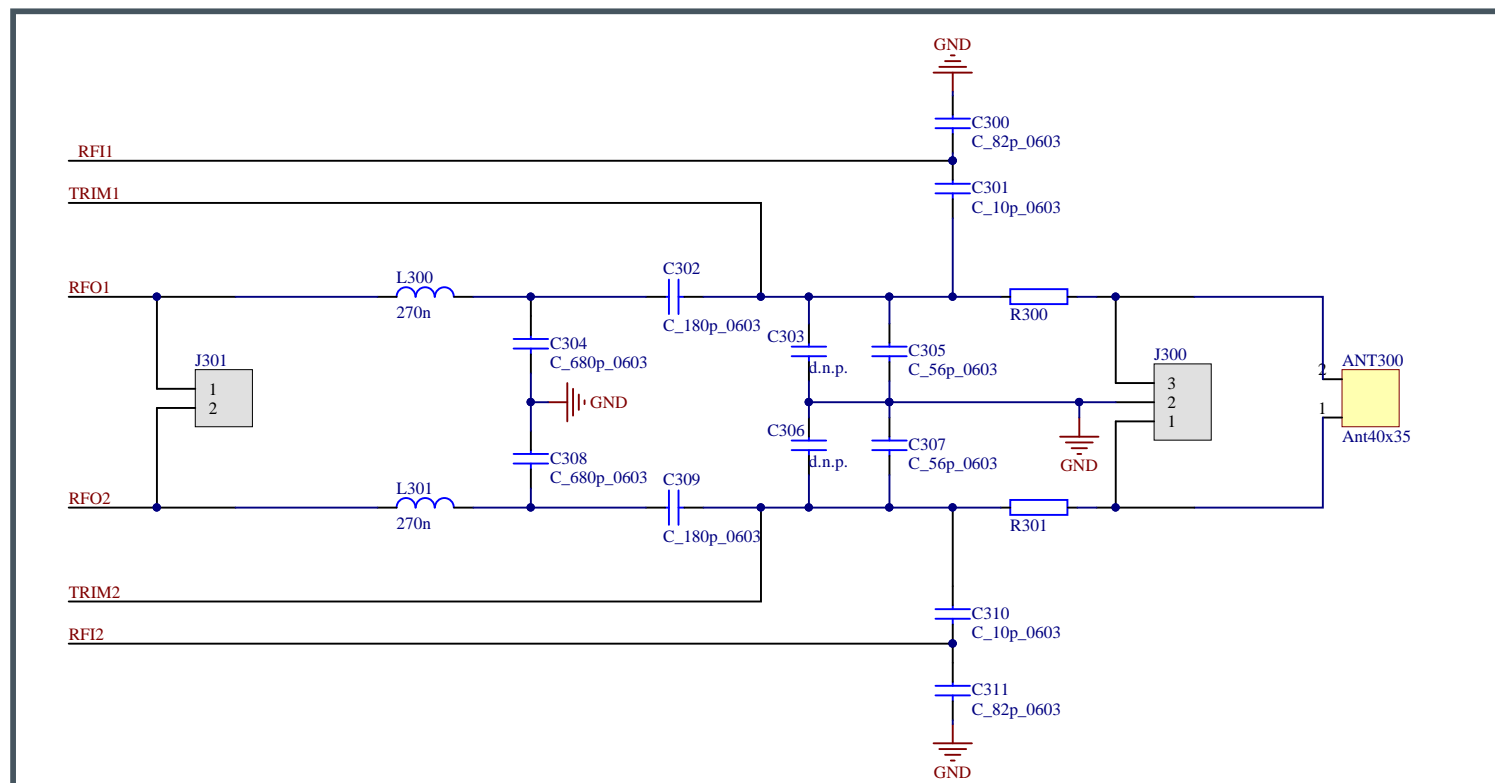
## Controller Interface



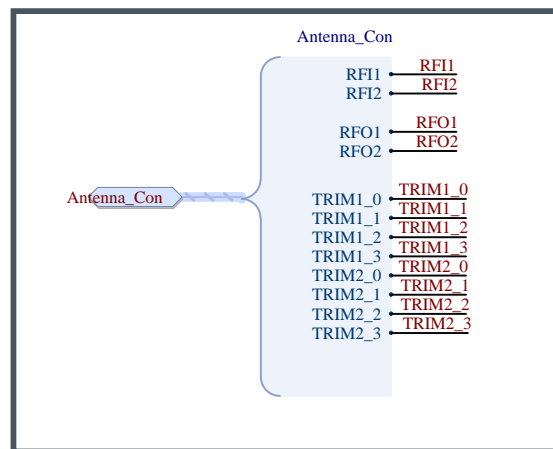
## Antenna Connection



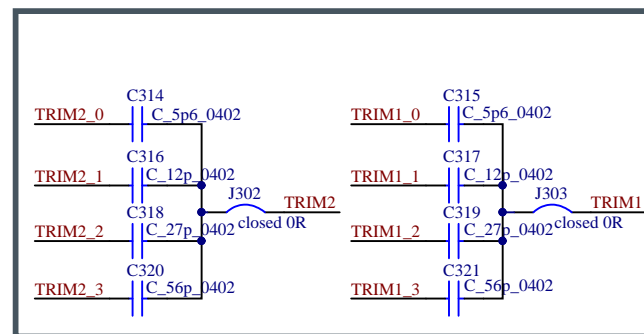
# Antenna Circuit incl. EMI Filter and Matching



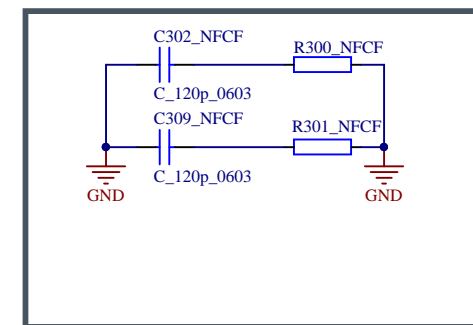
## Antenna Connection



## Trim Capacitor Banks



## NFC Forum matching



Title X-NUCLEO-NFC05A1

Size: A4

Number: 5

Revision: A1

Date: 14.06.2017

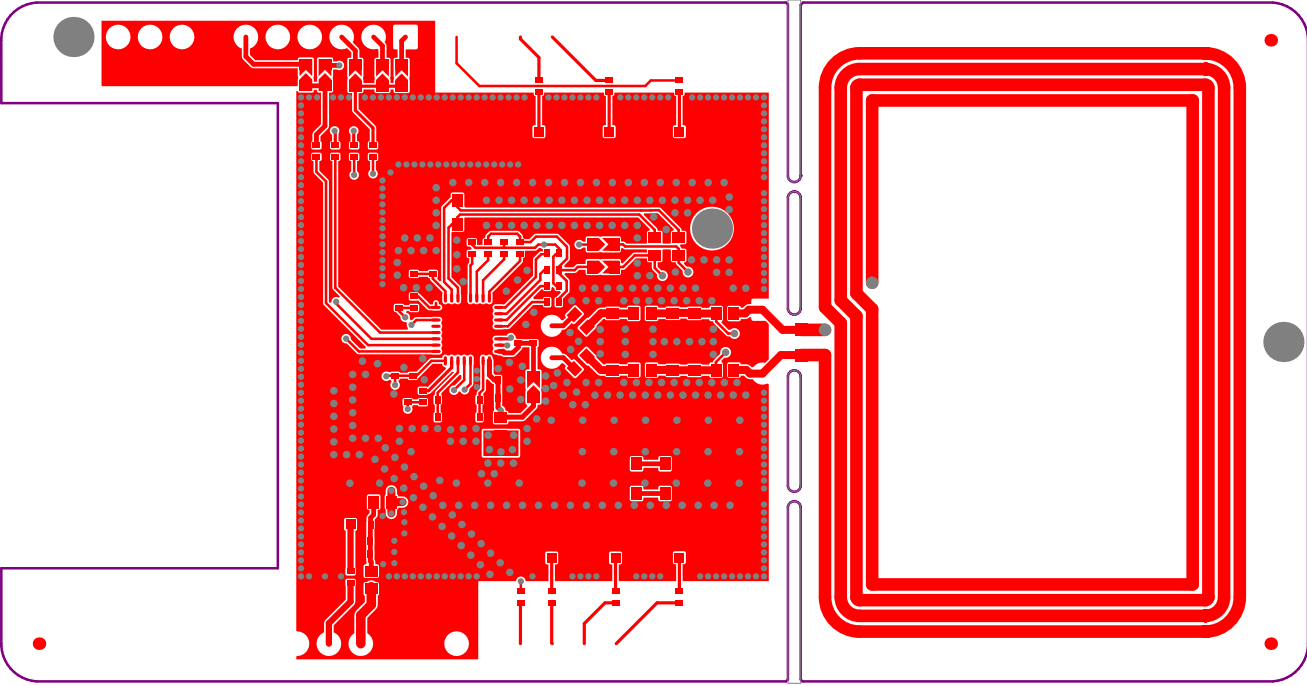
Time: 10:08:23

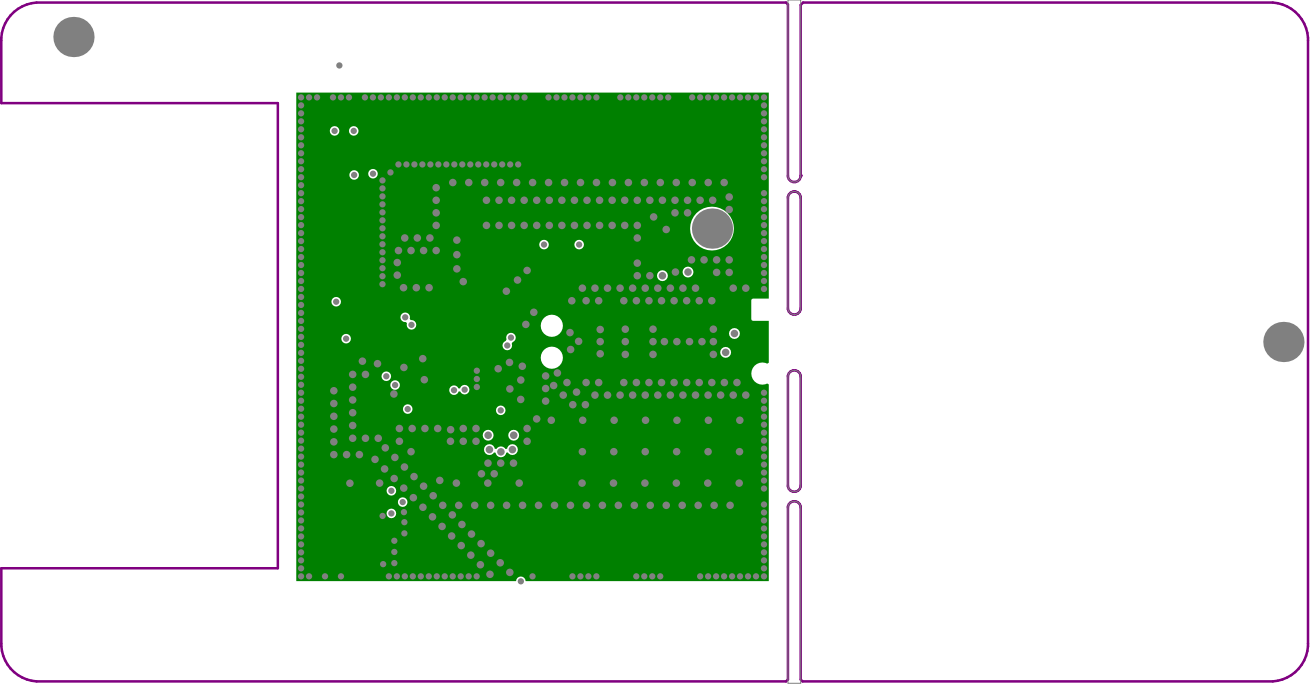
Sheet 5 of 5

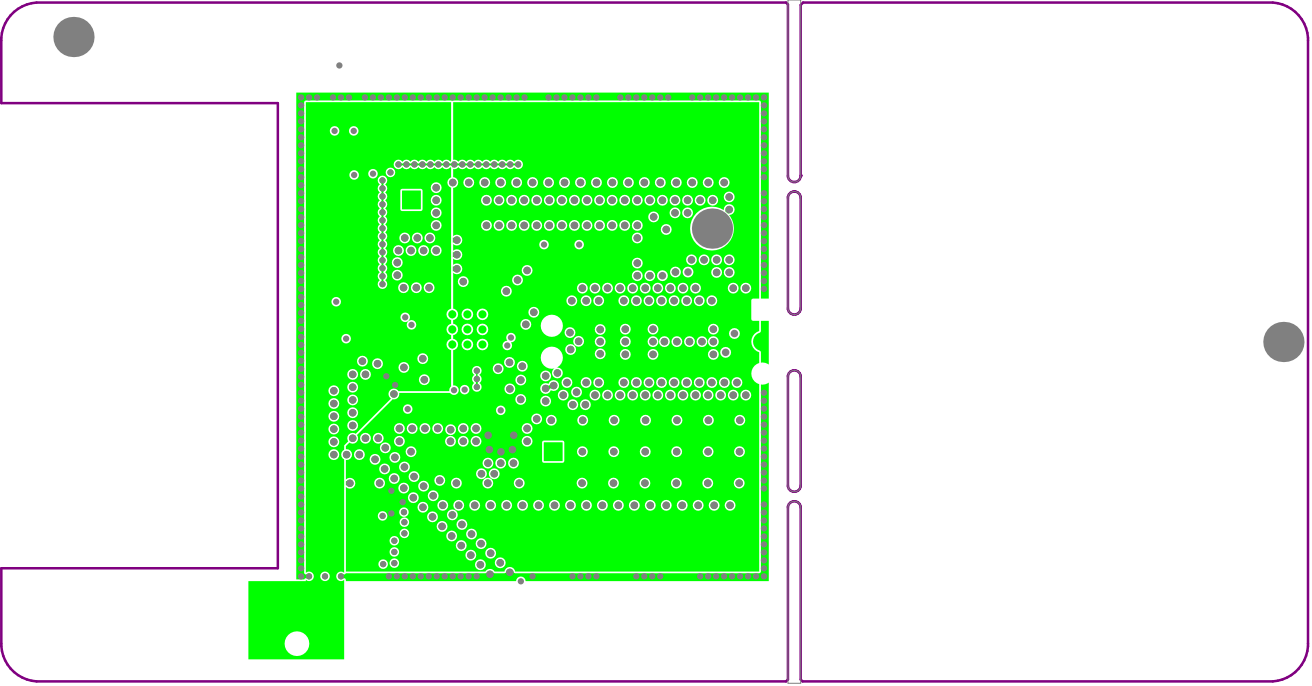
File: Module 3\_Matching\_and\_Antenna Schematic.SchDoc



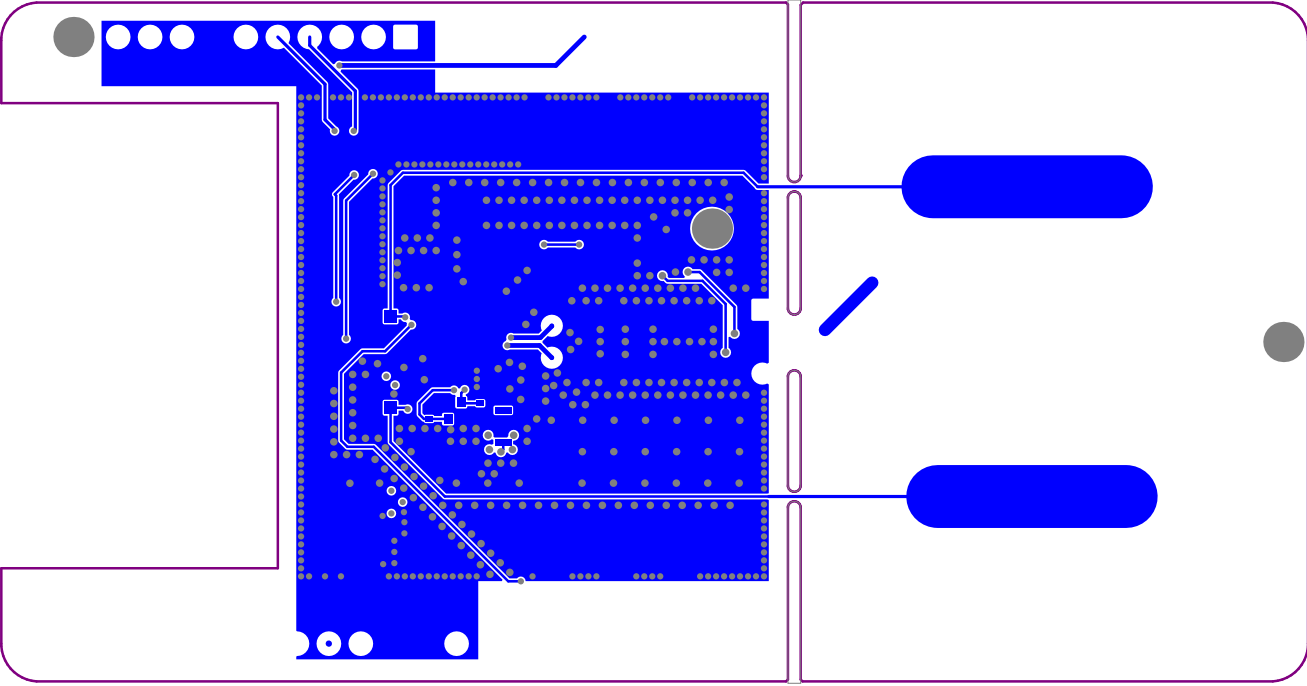
MDG NFC & Reader Competence Center













CSI

CS0



IC: 8838V-MEC02V1  
ECID: ACBMEC02V1



RoHS  
COMPLIANT  
MARKING

1301



1b500



CS0R



003Y



CS0S



b501

C21



b500

C20

