





ST25R3911B-DISCO



Title ST25R3911B-DISCO				 life.augmented
Size: A4	Number: 1	Revision: B1		
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File: Title Page.SchDot				
			MDG NFC & Reader Competence Center	

ST25R3911B-DISCO

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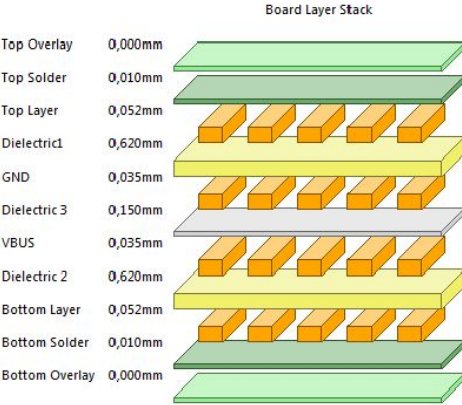
Sheet 6: ST25R3911B Schematic

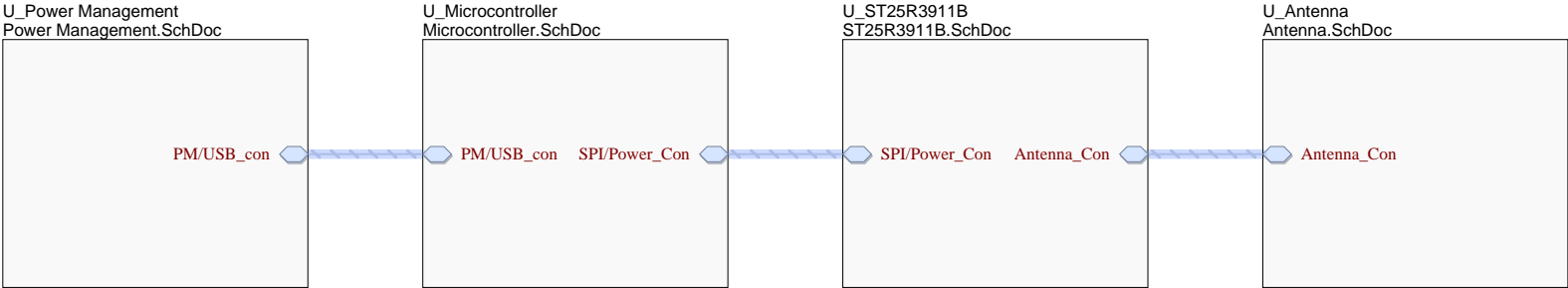
Sheet 7: Matching and Antenna Circuit Schematic

Revision History

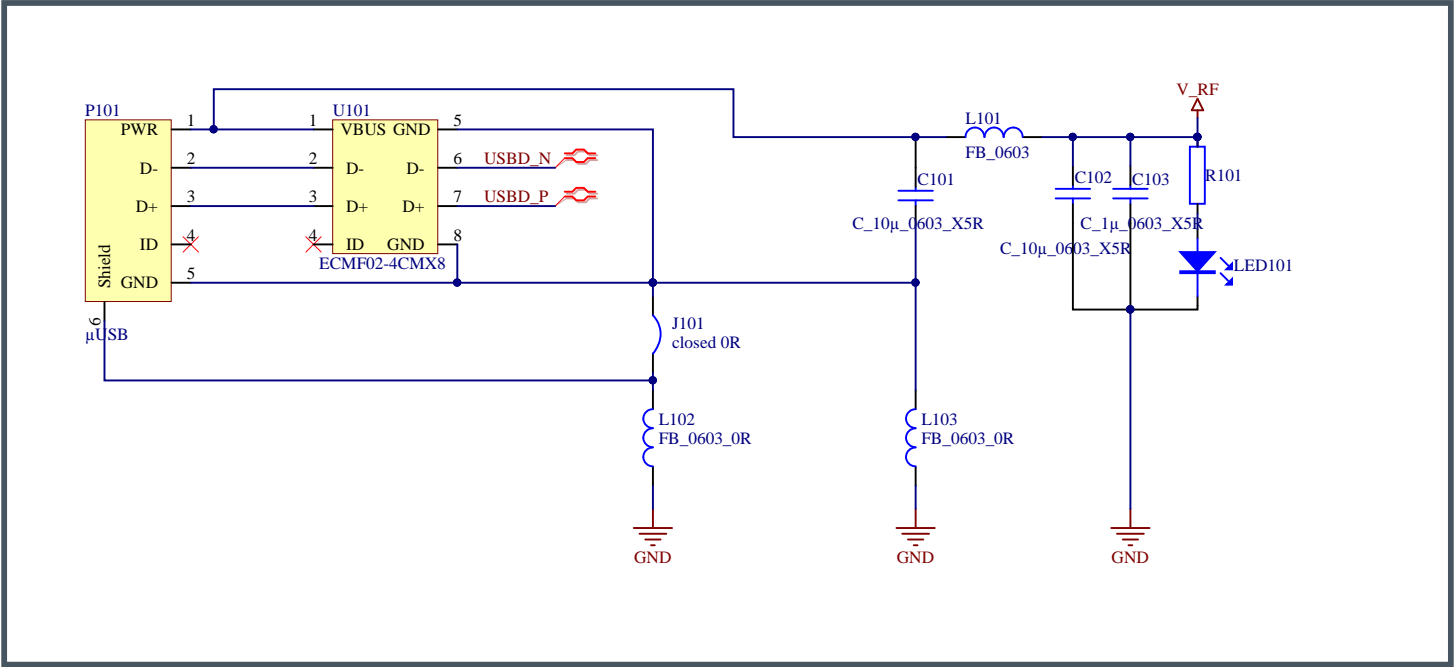
Revision	Release Date	Design Changes
A1	31/03/2017	Internal Release
B1	06/06/2017	Official Release

PCB Stackup

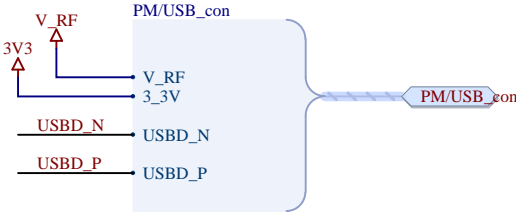
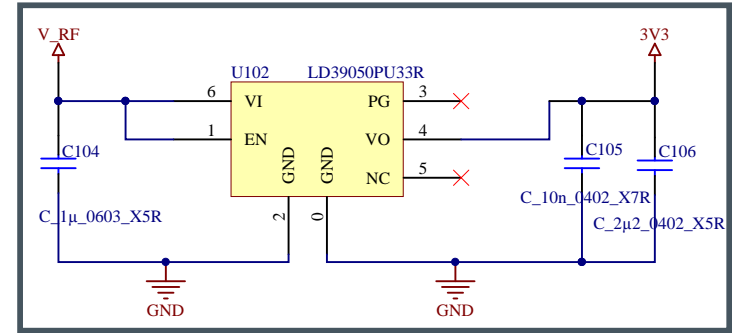




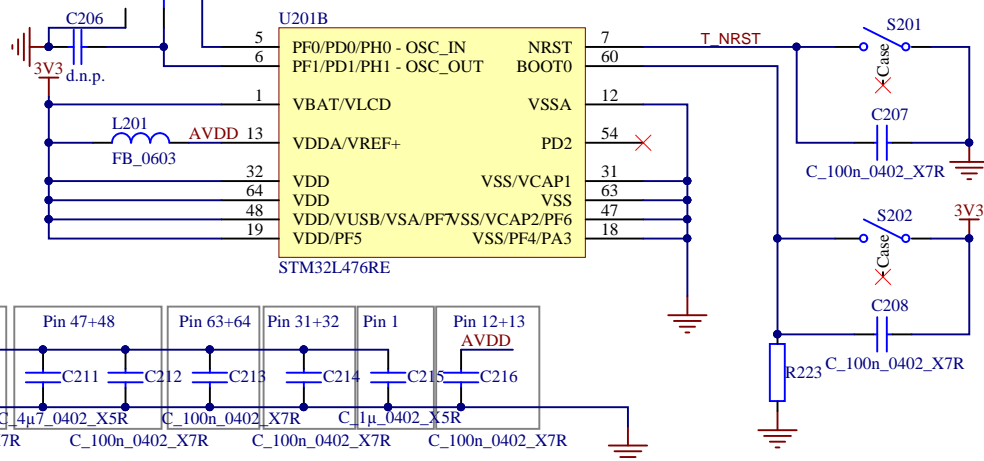
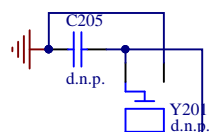
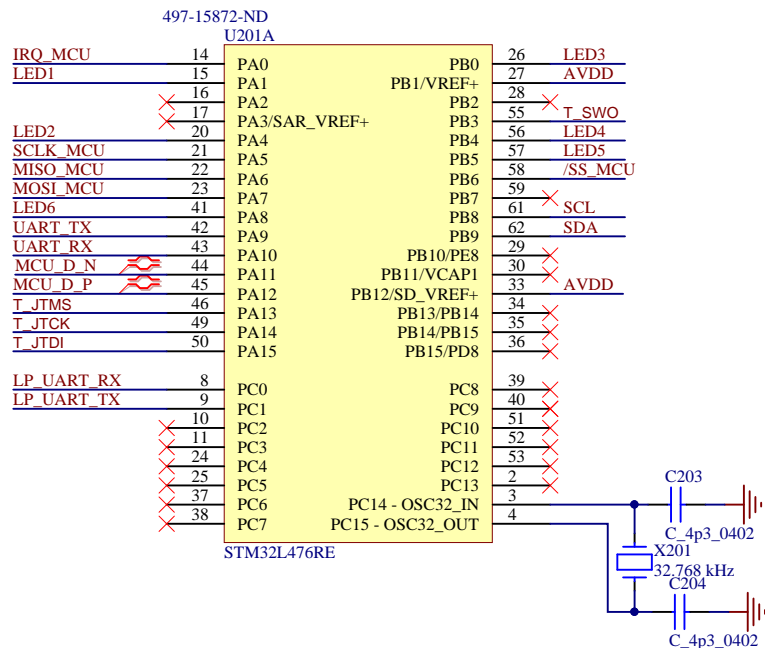
USB Interface



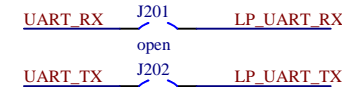
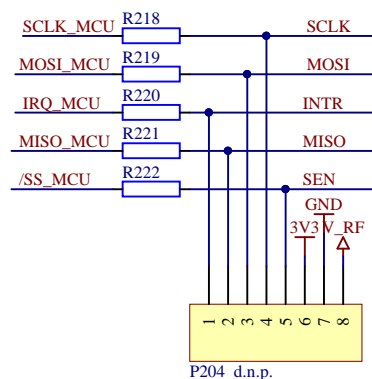
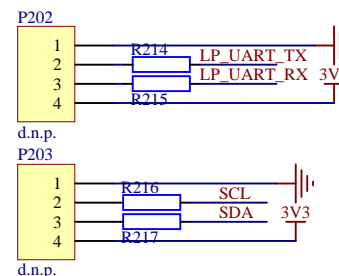
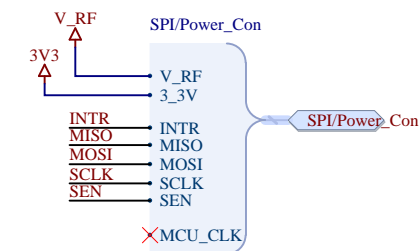
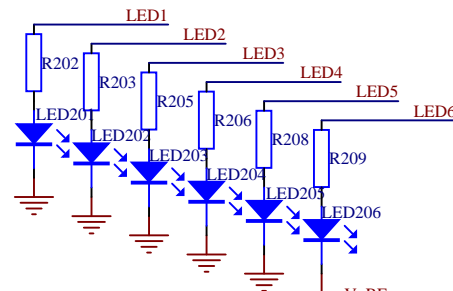
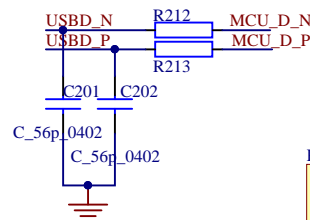
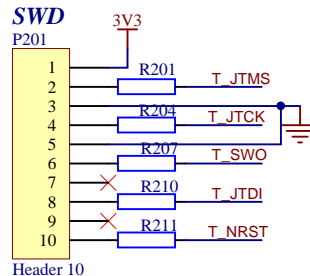
3V3 LDO



Microcontroller



Interface

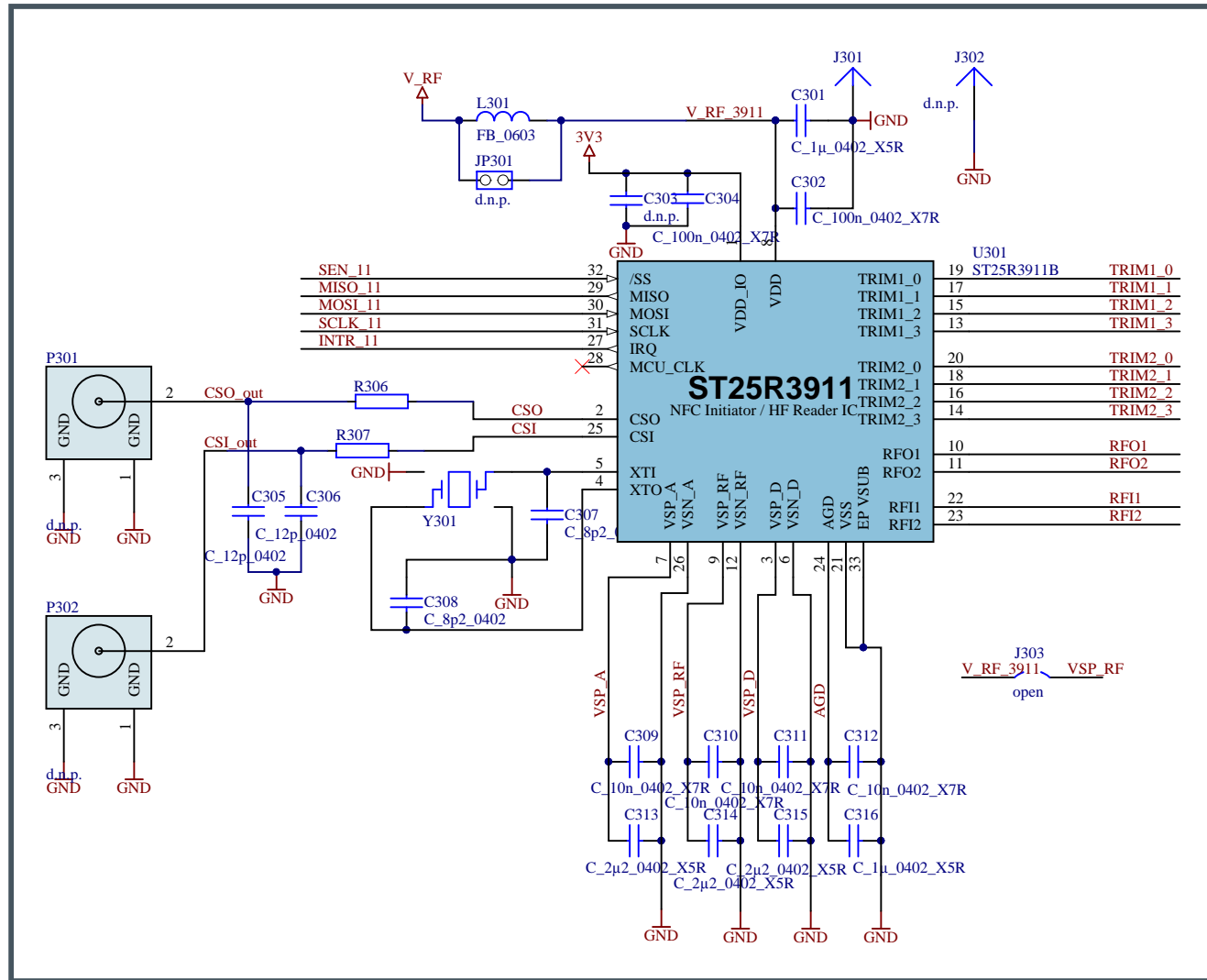


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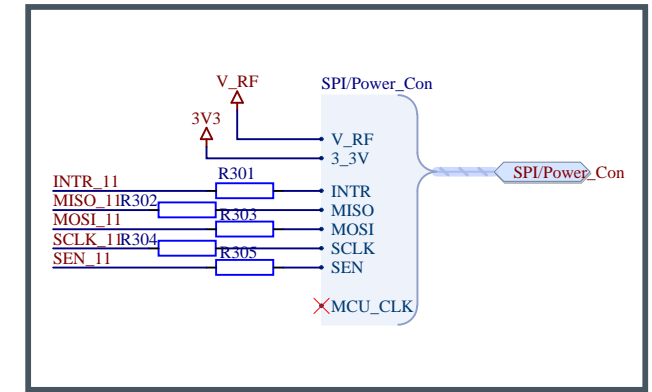
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File: Microcontroller.SchDoc		



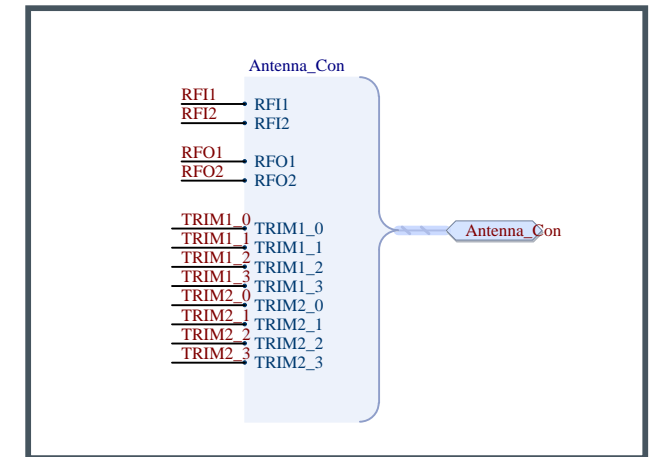
ST25R3911 NFC Initiator / HF Reader



Controller Interface



Antenna Connection



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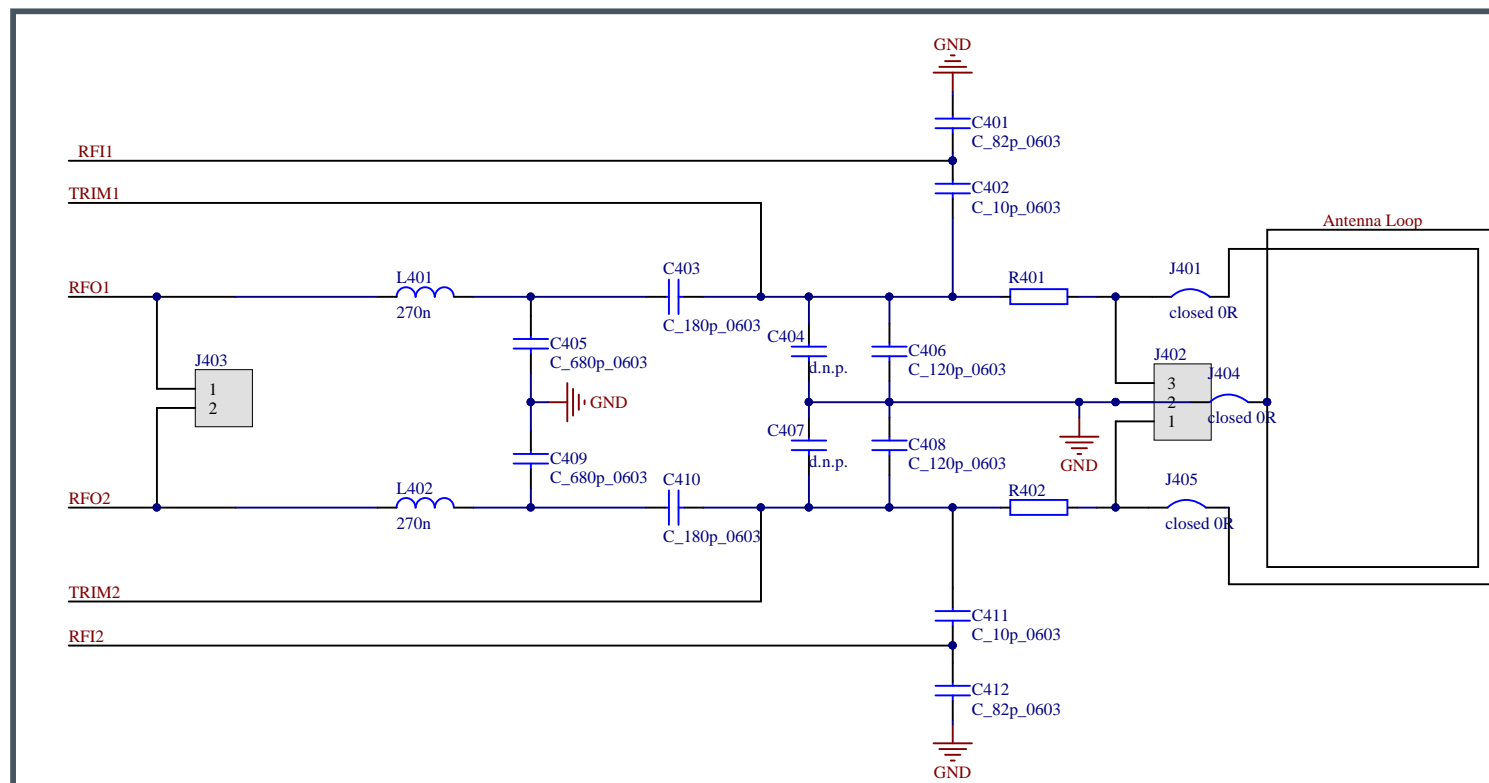
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File: ST25R3911B.SchDoc

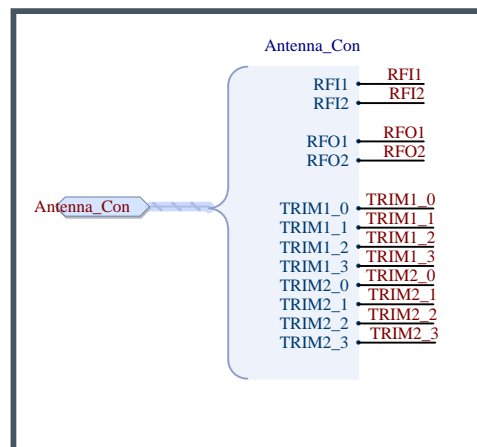


MDG NFC & Reader Competence Center

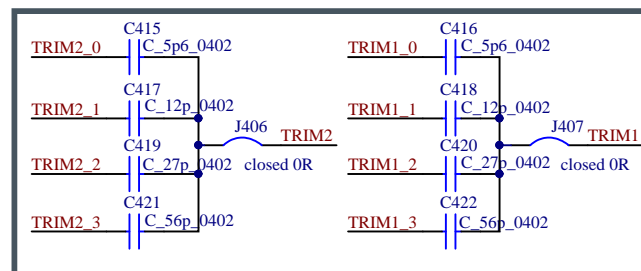
Antenna Circuit incl. EMI Filter and Matching



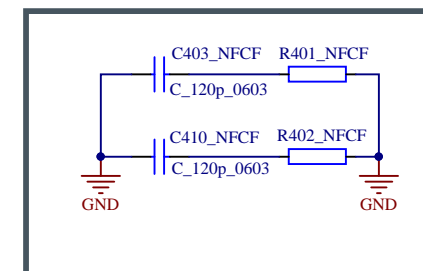
Antenna Connection



Trim Capacitor Banks



NFC Forum matching



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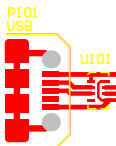
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MDG NFC & Reader Competence Center

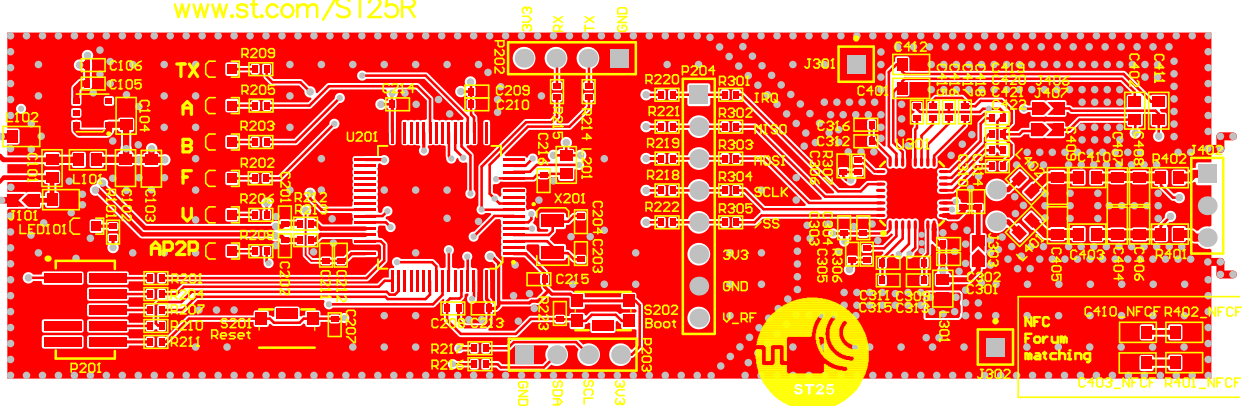


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MB1325-B

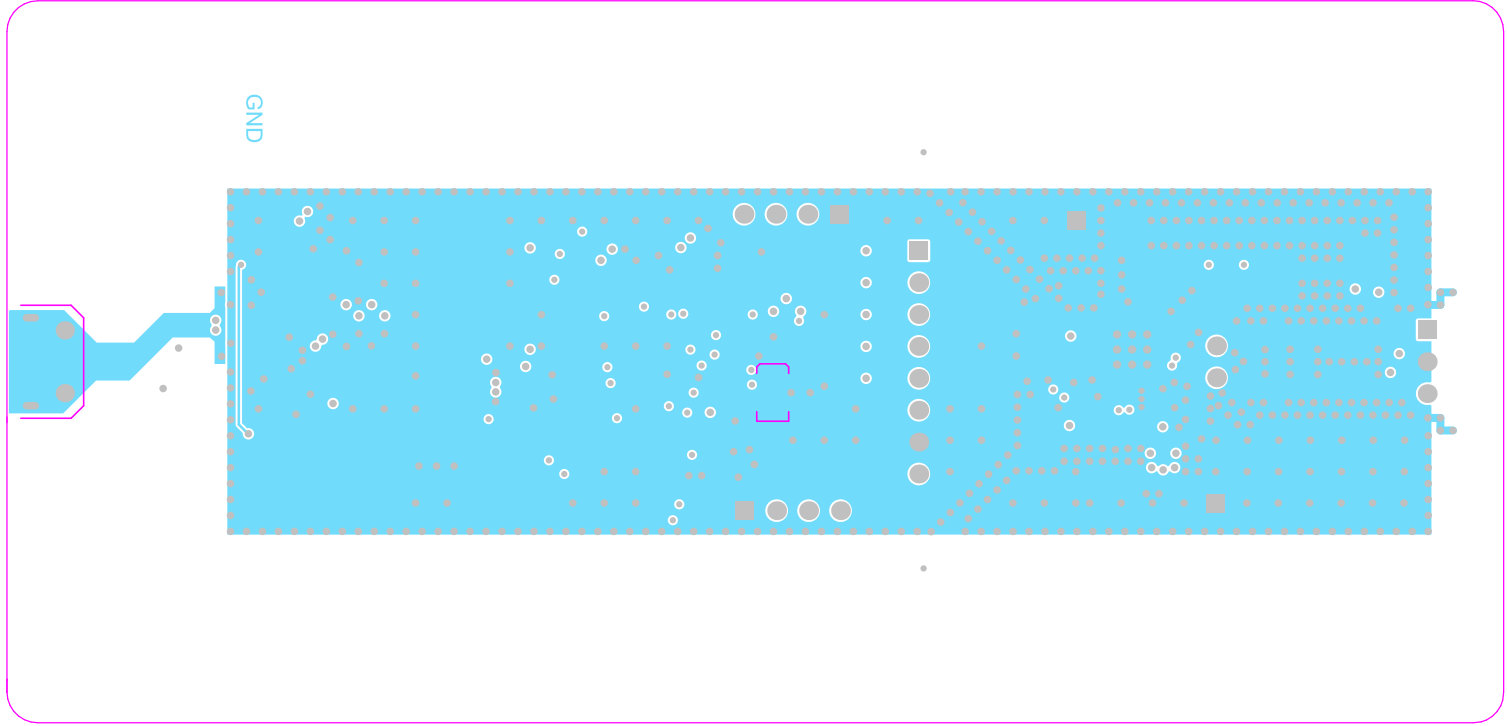
TOP

www.st.com/ST25R

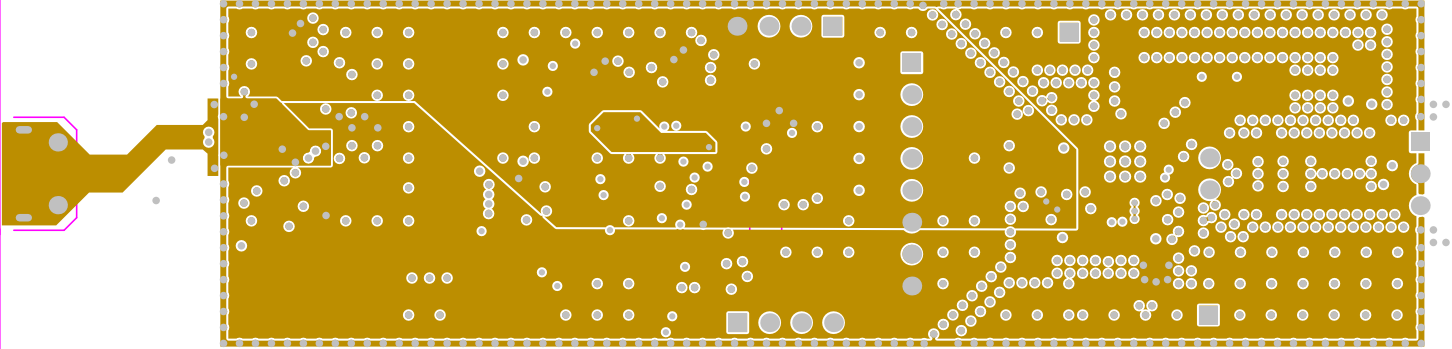


Capacitive Sensing

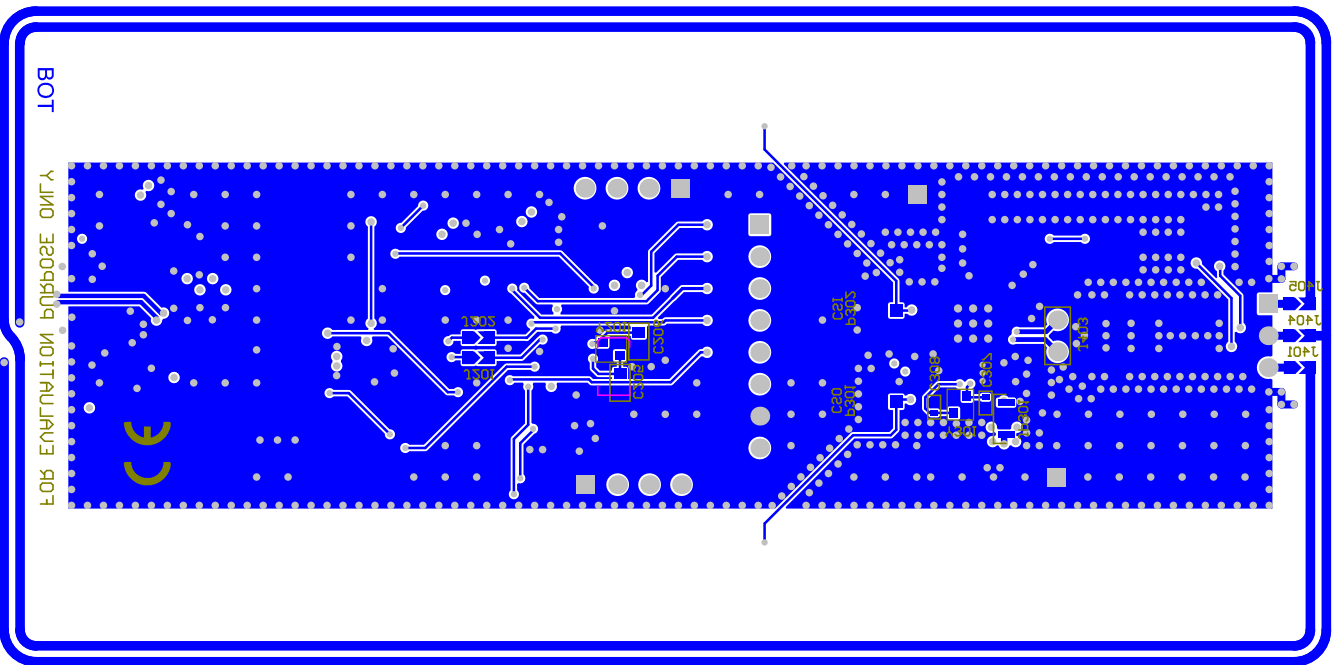
Capacitive Sensing



PWR



1+01
1+04
1+07

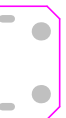


BOT

YJND 320QBU9 NOITAUJAV3 907



REACH
COMPLIANT



FCCID: CP21T2PY YC321T2PY
IC: 21T212-AB788



P101

USB

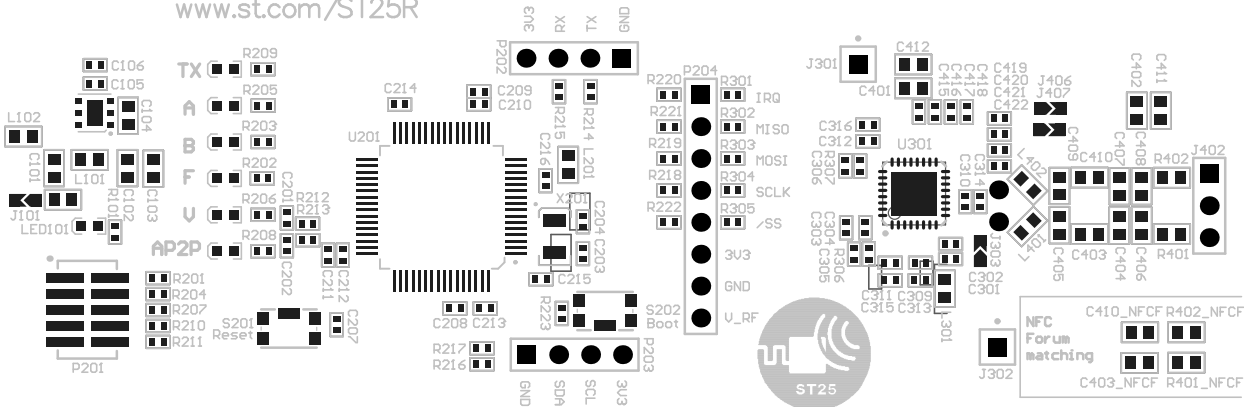


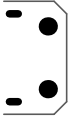
U101

ST25R3911B-DISCO

MB1325-B

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FOR EVALUATION PURPOSE ONLY



IC: 8876A-2152F3D1BD12CO
ECCID: YCP2152F3D1BD12CO

10S1
10S1



CS02
CS02
10S1
CS08



C20
b30f
C21
b30S

C308

10E1
10E1

1b30f

C301

10E1
10E1
10E1
10E1
10E1
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10E1
10E1

1403
1403

1401
1404
1402
1402