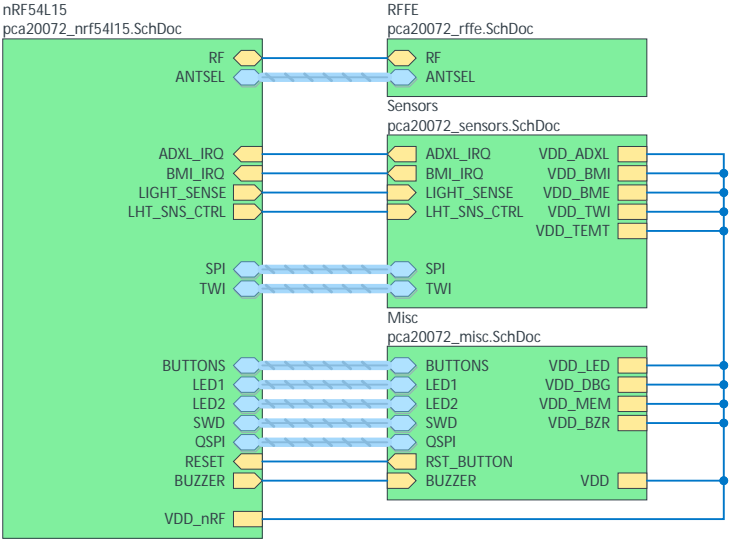


Nordic Semiconductor ASA

nRF54L15 Tag (PCA20072)



✗ The No ERC object is a design directive.
This directive is placed on a node in the circuit to suppress harmless warnings and/or error violation conditions that are detected when the schematic project is validated.

Label
PCA20072
1.0.0
<year> - <week>
<UID>
Placed in battery holder

Alignment Fiducials
+

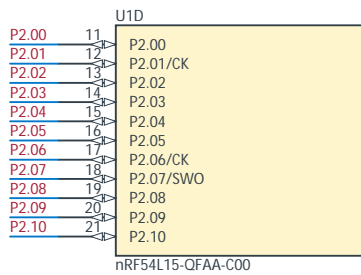
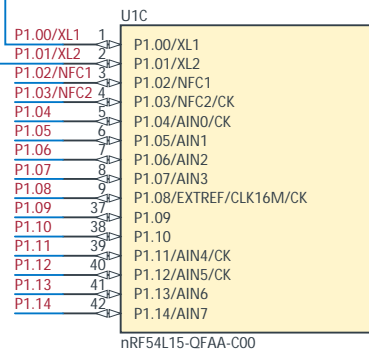
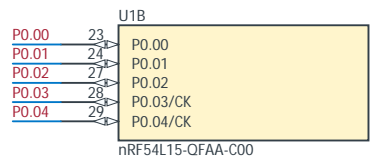
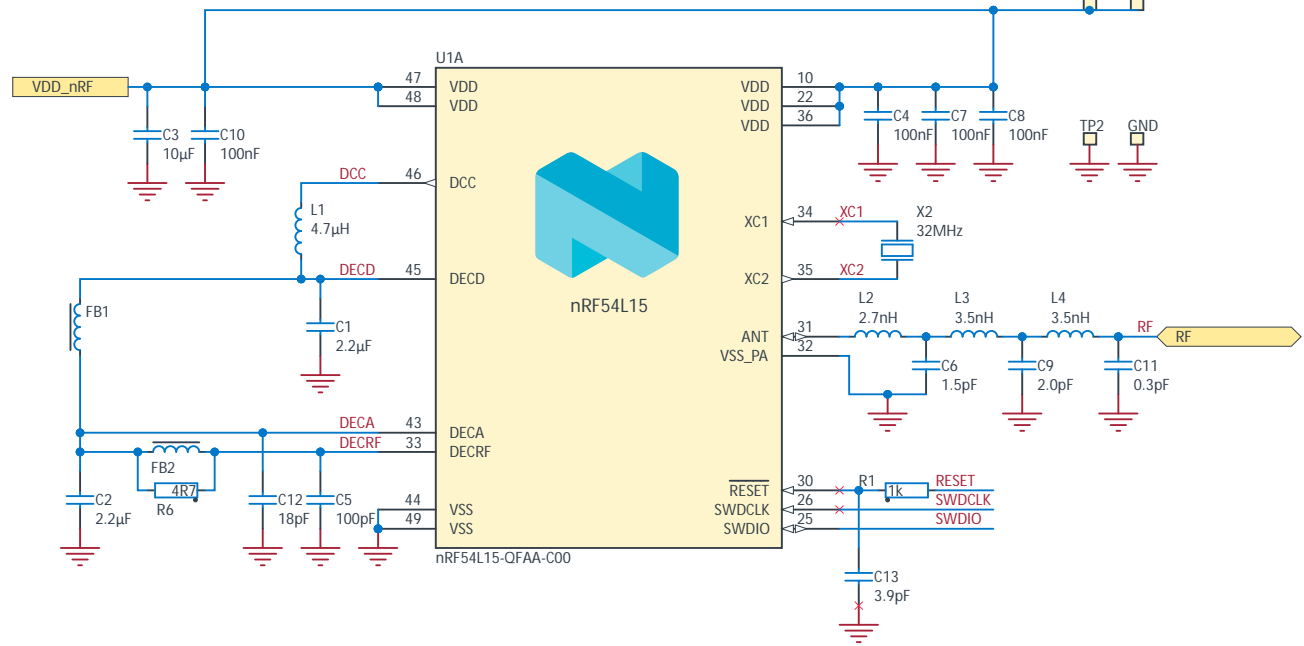


Nordic Semiconductor does not warrant the accuracy or completeness of this documentation or any included information. Nordic Semiconductor makes no assurances that this design will meet specification, be appropriate for your application, or fit for any particular purpose, or that it will function in an implementation. Nordic Semiconductor also does not claim that the design is ready for production. It is your responsibility to thoroughly validate and test your design implementation to confirm the functionality of your application.
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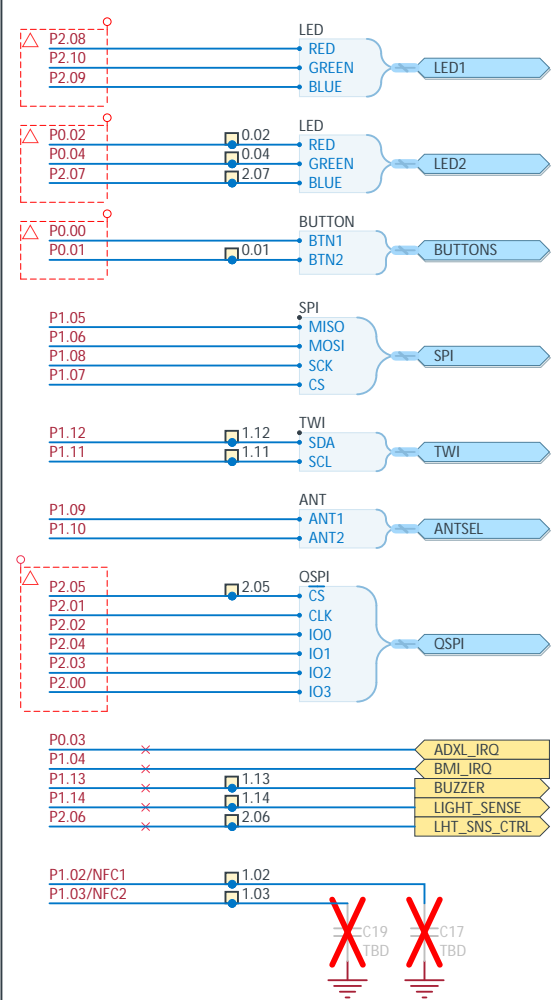
Title nRF54L15 Tag - Cover		
Size A4	PCB Assembly Number PCA20072	Revision 1.0.0
Date: 2026-04-13	Sheet 1 of 5	
File: pca20072_cover.SchDoc	Drawn By: RUBR	
Classification: PUBLIC		



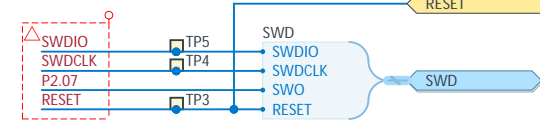
nRF54L15



GPIO interface



SWD



Title
nRF54L15 Tag - nRF54L15

Size
A4

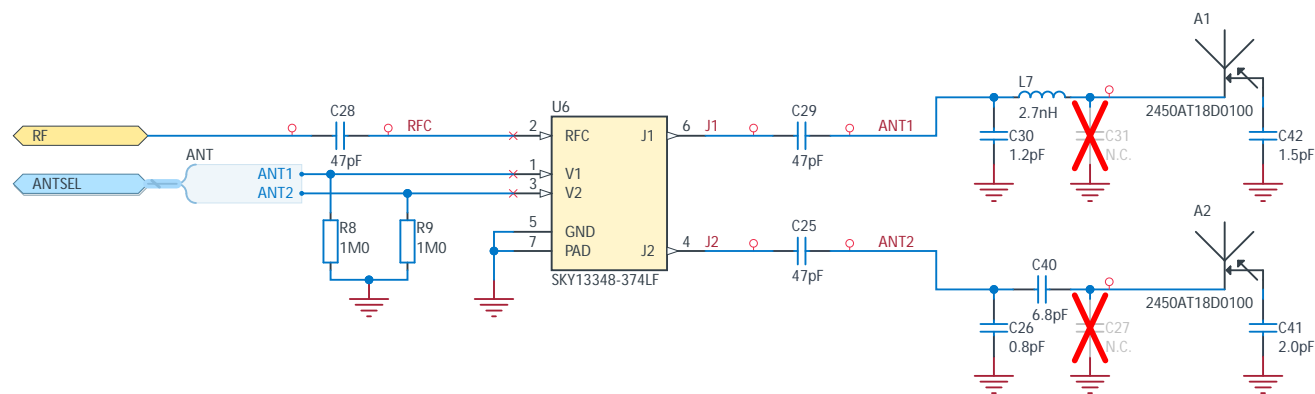
PCB Assembly Number
PCA20072

Revision
1.0.0

Date: 2026-04-13
File: pca20072_nrf54l15.SchDoc
Classification: PUBLIC

Sheet 2 of 5
Drawn By: RUBR





Title nRF54L15 Tag - RFFE		
Size A4	PCB Assembly Number PCA20072	Revision 1.0.0
Date: 2026-04-13	Sheet 3 of 5	
File: pca20072_rffe.SchDoc	Drawn By: RUBR	
Classification: PUBLIC		

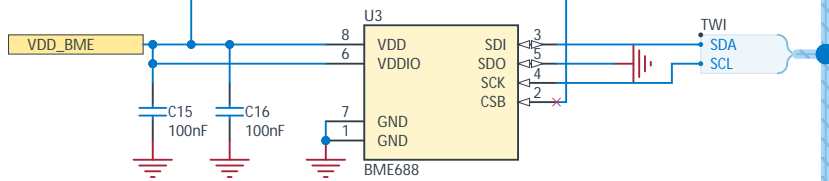


TWI pullups

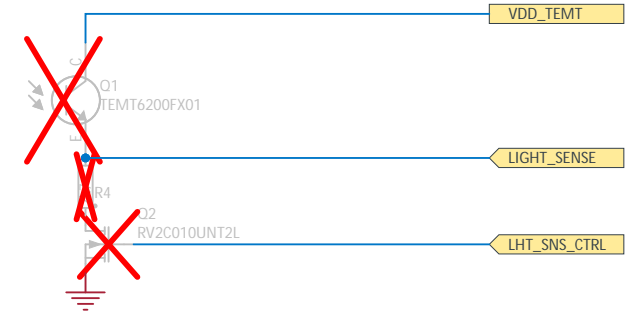


Pressure, humidity, temperature and gas sensor

TWI address: 0x76

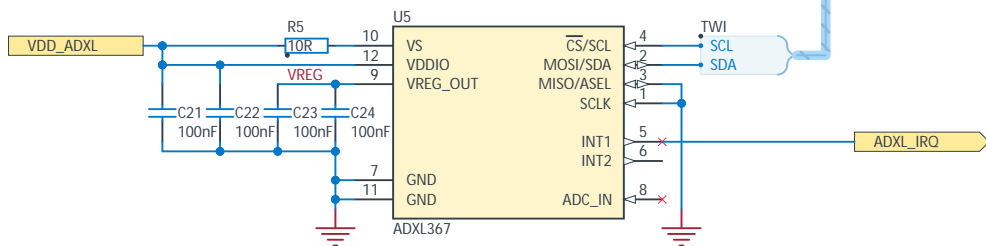


Light sensor

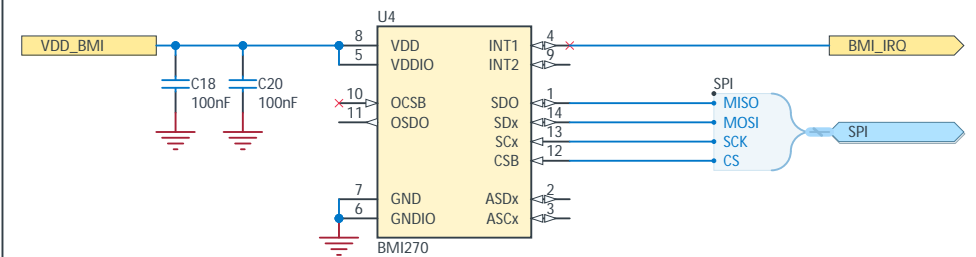


Low power accelerometer

TWI address: 0x1D



IMU 6-axis (accelerometer and gyroscope)



Title
nRF54L15 Tag - Sensors

Size
A4

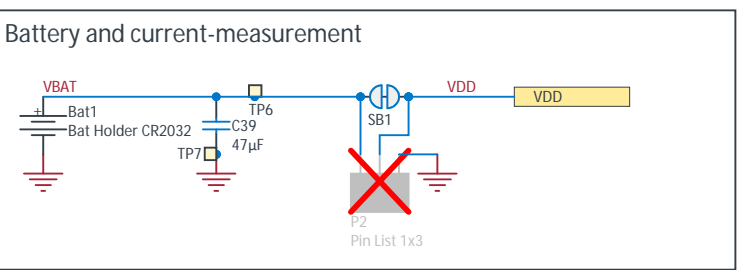
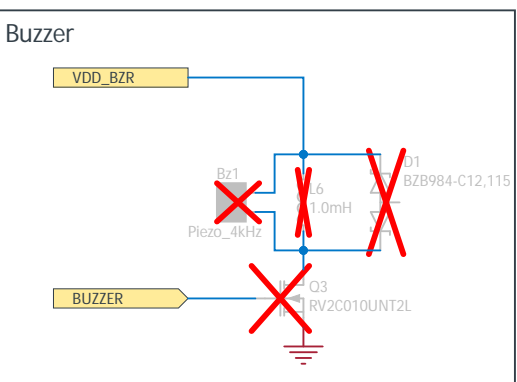
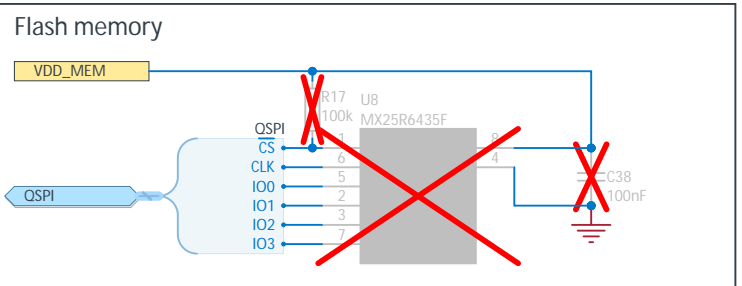
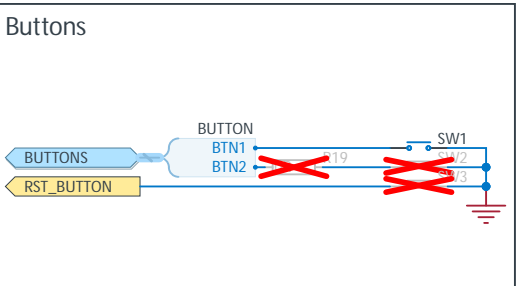
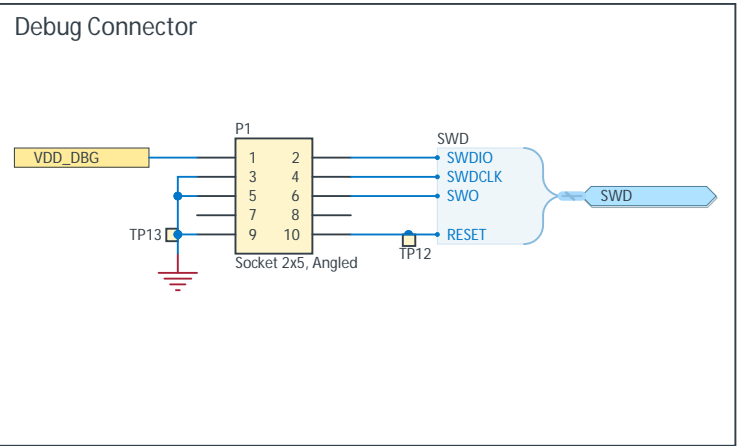
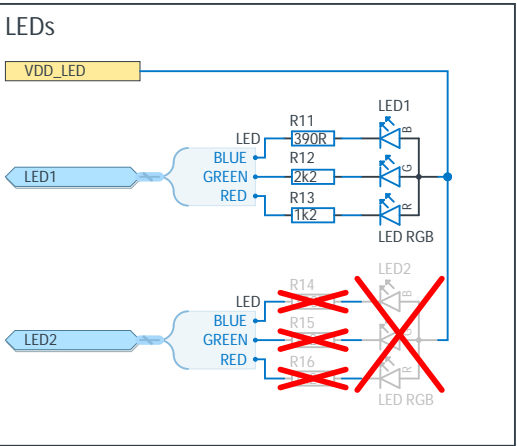
PCB Assembly Number
PCA20072

Revision
1.0.0

Date: 2026-04-13
File: pca20072_sensors.SchDoc
Classification: PUBLIC

Sheet 4 of 5
Drawn By: RUBR

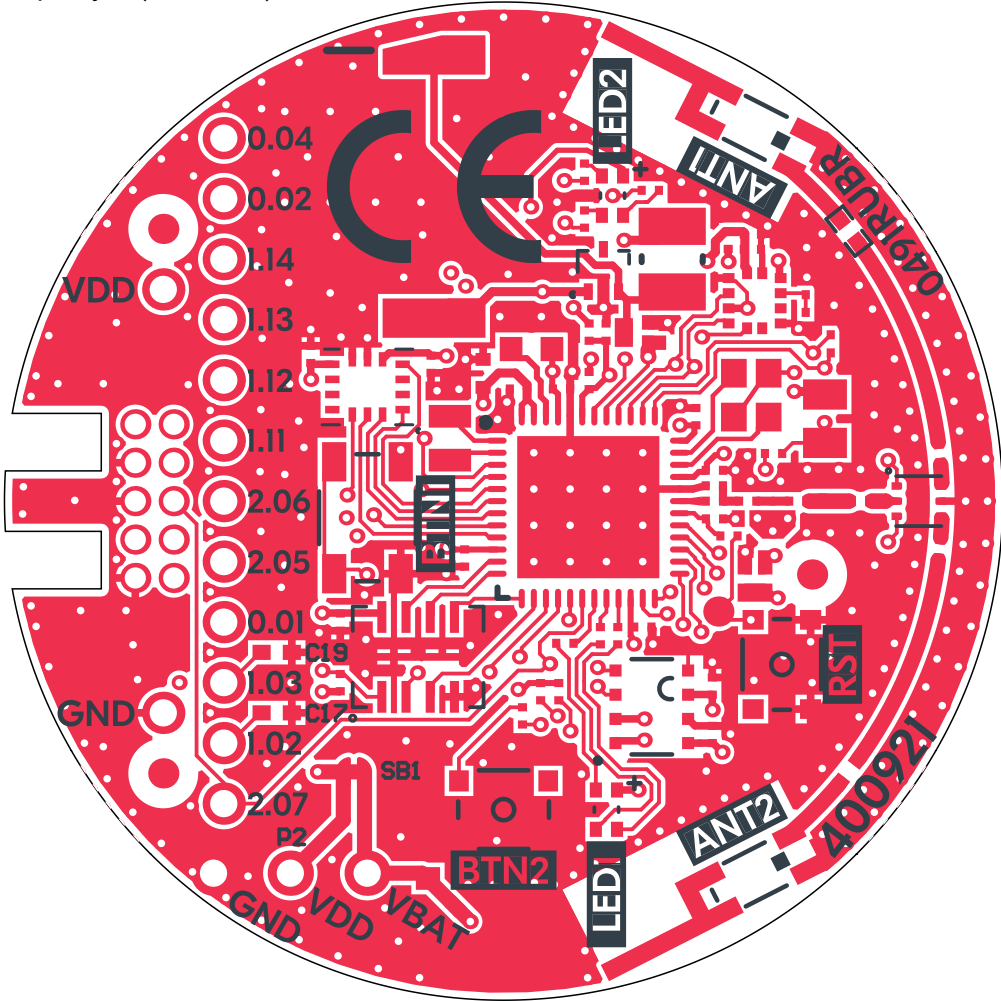




Title nRF54L15 Tag - Misc		
Size A4	PCB Assembly Number PCA20072	Revision 1.0.0
Date: 2026-04-13	Sheet 5 of 5	
File: pca20072_misc.SchDoc	Drawn By: RUBR	
Classification: PUBLIC		



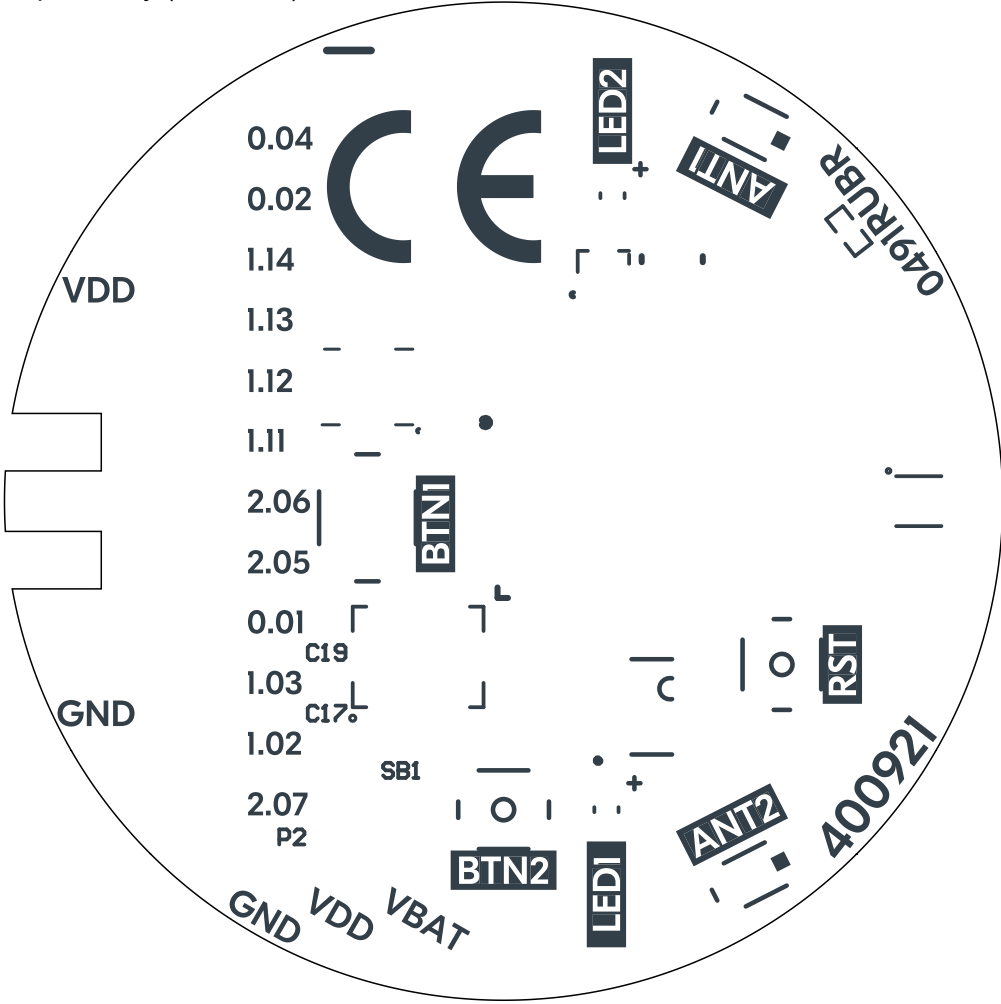
Top Layer (Scale 4:1)



Title				nRF54L15 Tag			
Size: A4		Part Number: 400921		Revision: 0491RUBR			
Date: 2026-04-13				Sheet 1 of 15			
File: 400921_pcb_prints.PCBDwf				Drawn By: RUBR			
Classification: PUBLIC							

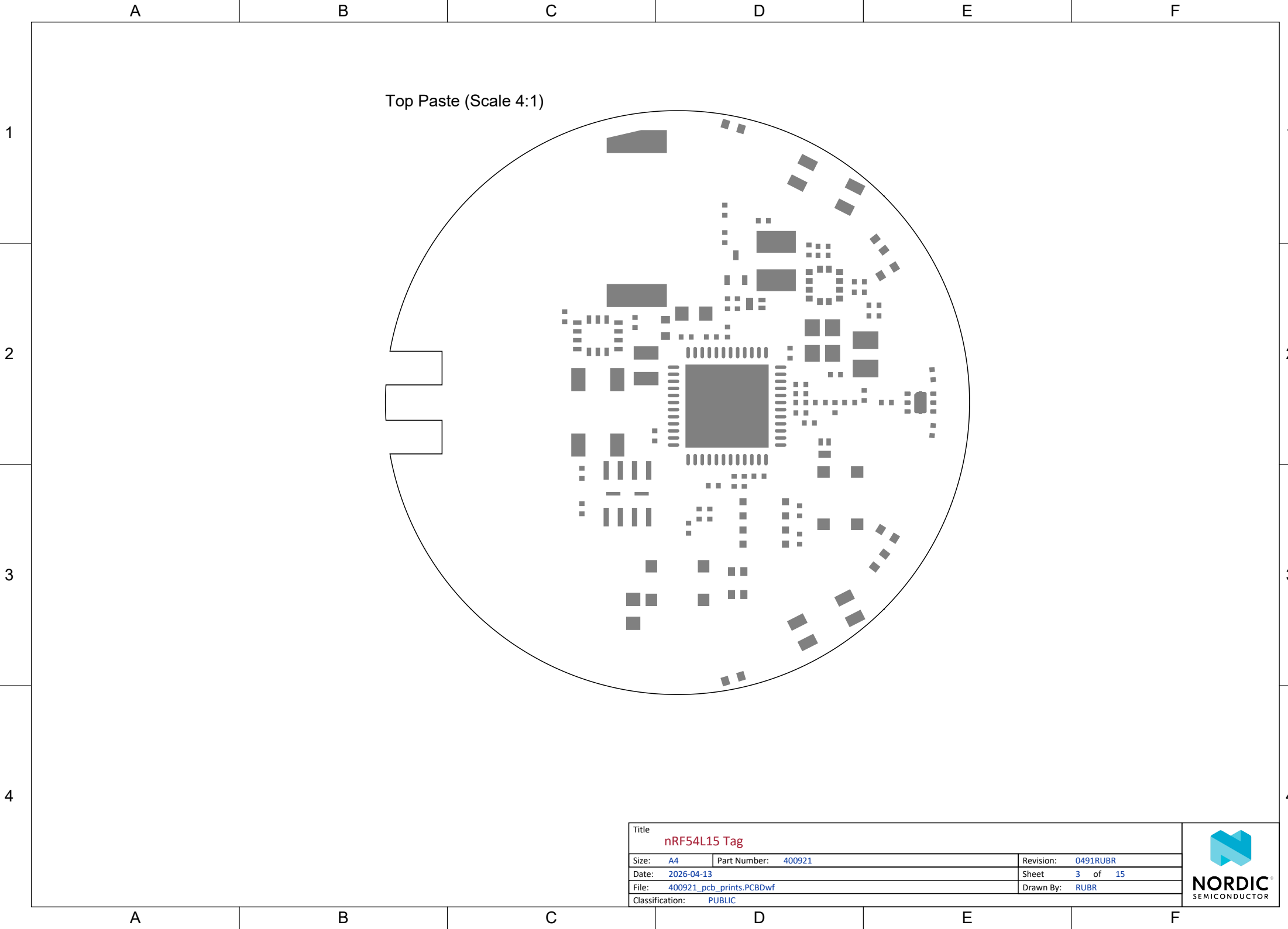


Top Overlay (Scale 4:1)



Title		
nRF54L15 Tag		
Size: A4	Part Number: 400921	Revision: 0491RUBR
Date: 2026-04-13		Sheet 2 of 15
File: 400921_pcb_prints.PCBDwf		Drawn By: RUBR
Classification: PUBLIC		





Title			nRF54L15 Tag		
Size:	A4	Part Number:	400921	Revision:	0491RUBR
Date:	2026-04-13			Sheet	3 of 15
File:	400921_pcb_prints.PCBDwf			Drawn By:	RUBR
Classification:	PUBLIC				



A

B

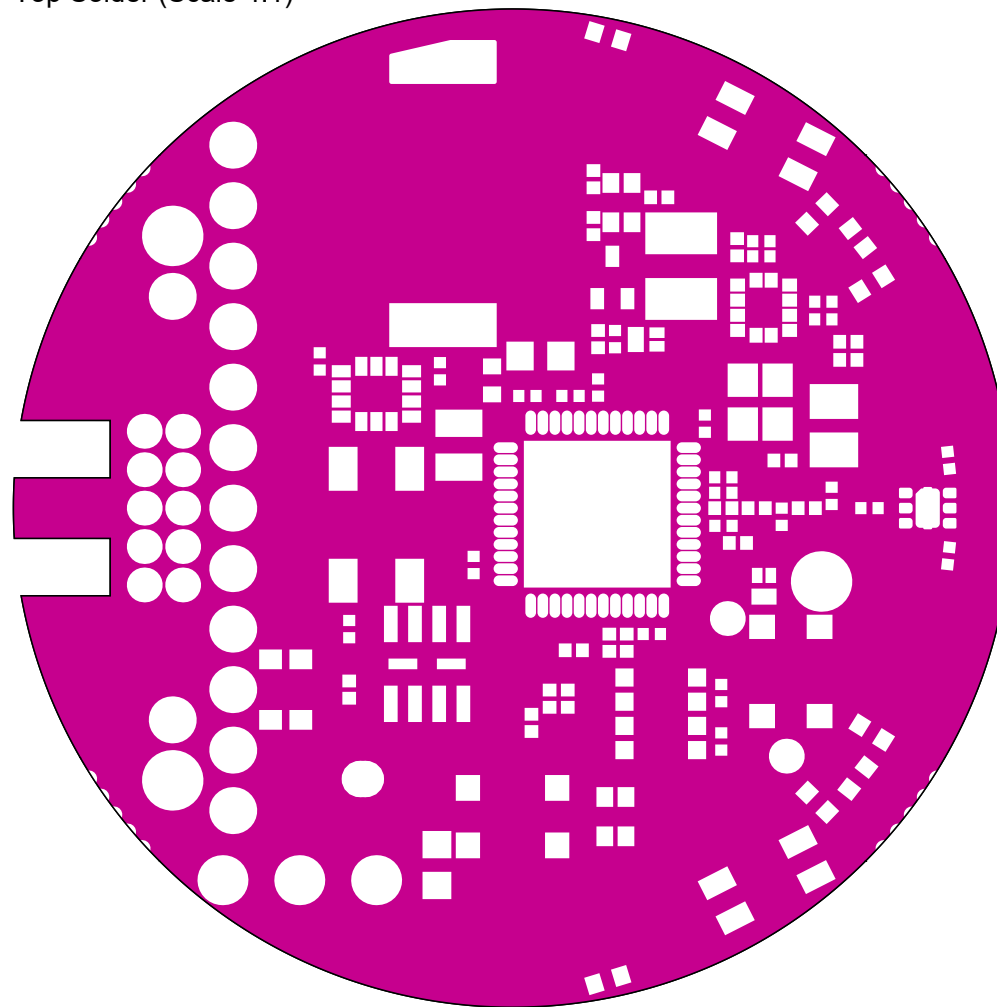
C

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F

Top Solder (Scale 4:1)



Title nRF54L15 Tag		
Size: A4	Part Number: 400921	Revision: 0491RUBR
Date: 2026-04-13		Sheet 4 of 15
File: 400921_pcb_prints.PCBDwf		Drawn By: RUBR
Classification: PUBLIC		

**NORDIC**
SEMICONDUCTOR

A

B

C

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E

F

A

B

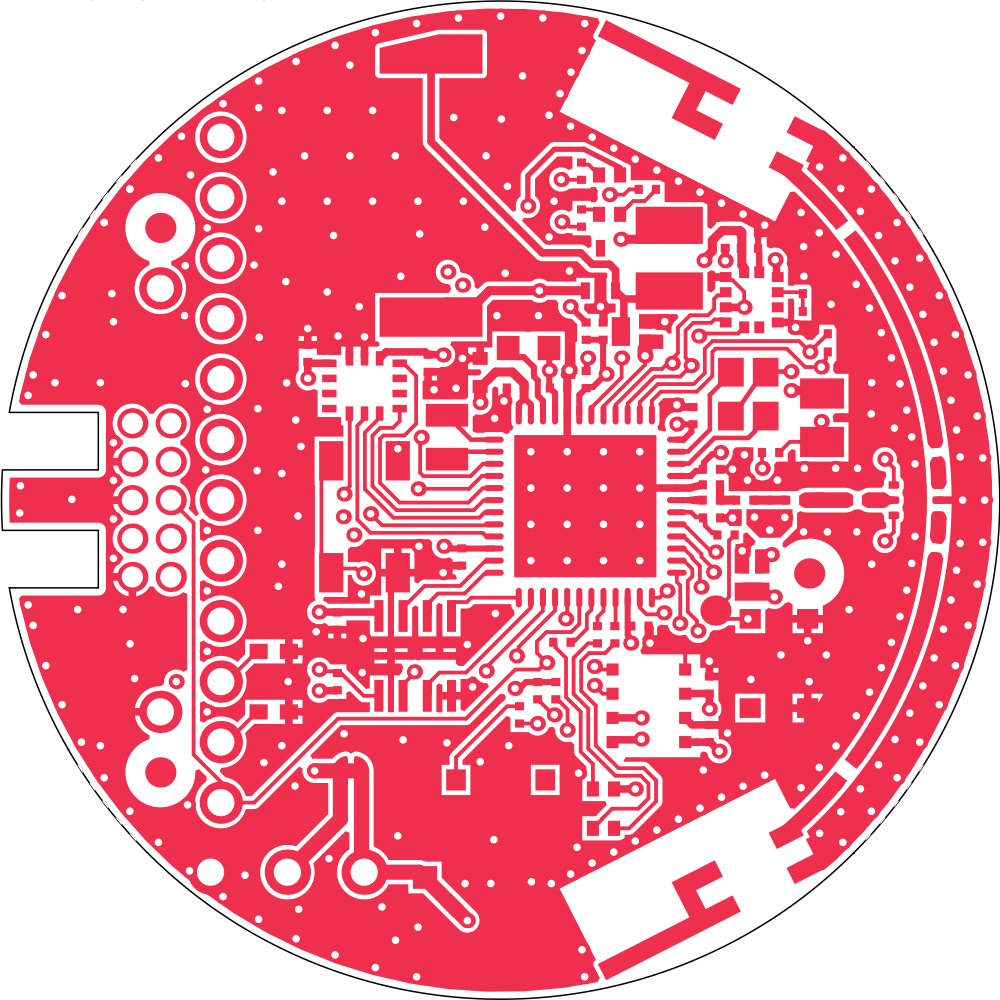
C


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E

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Top Layer (Scale 4:1)



Title			
nRF54L15 Tag			
Size: A4	Part Number: 400921	Revision: 0491RUBR	
Date: 2026-04-13		Sheet 5 of 15	
File: 400921_pcb_prints.PCBDwf		Drawn By: RUBR	
Classification: PUBLIC			

A

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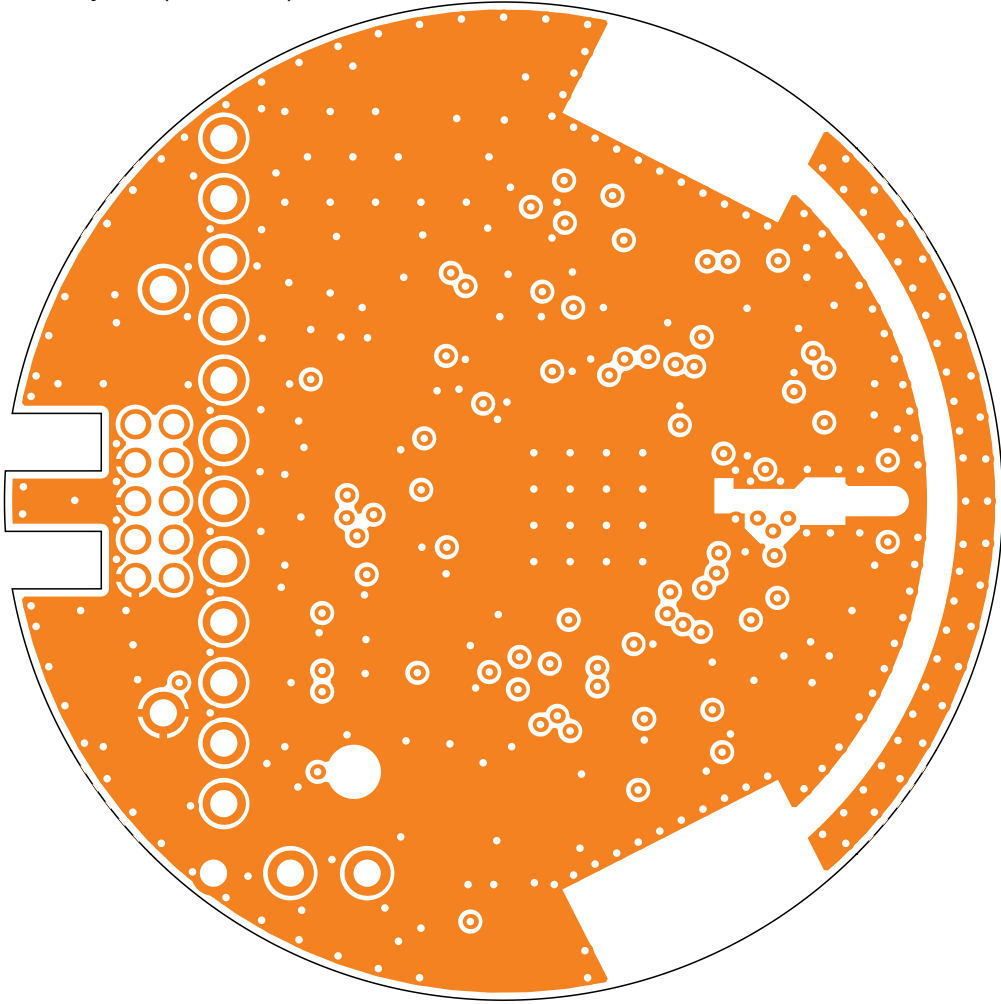
C


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Mid-Layer 1 (Scale 4:1)



Title			
nRF54L15 Tag			
Size: A4	Part Number: 400921	Revision: 0491RUBR	
Date: 2026-04-13		Sheet 6 of 15	
File: 400921_pcb_prints.PCBDwf		Drawn By: RUBR	
Classification: PUBLIC			

A

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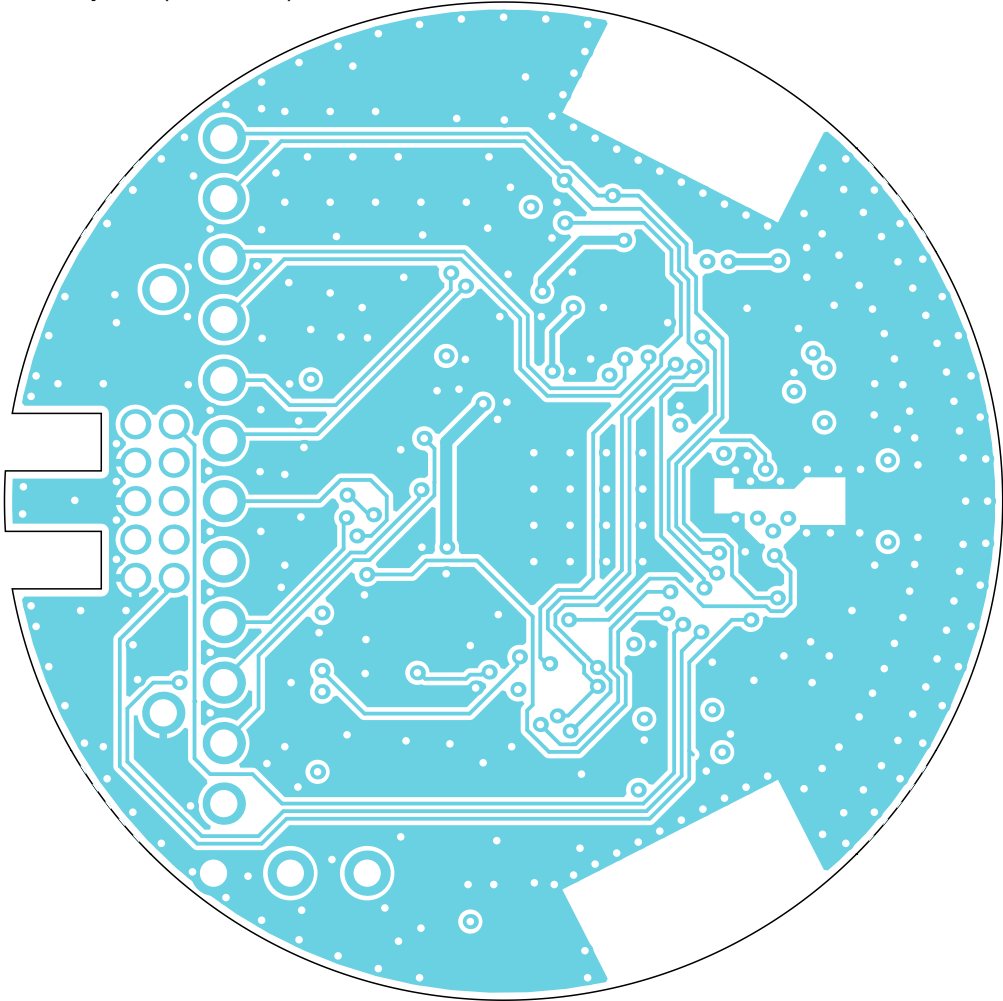
C

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Mid-Layer 2 (Scale 4:1)



Title					
nRF54L15 Tag					
Size:	A4	Part Number:	400921	Revision:	0491RUBR
Date:	2026-04-13			Sheet	7 of 15
File:	400921_pcb_prints.PCBDwf			Drawn By:	RUBR
Classification:	PUBLIC				



A

B

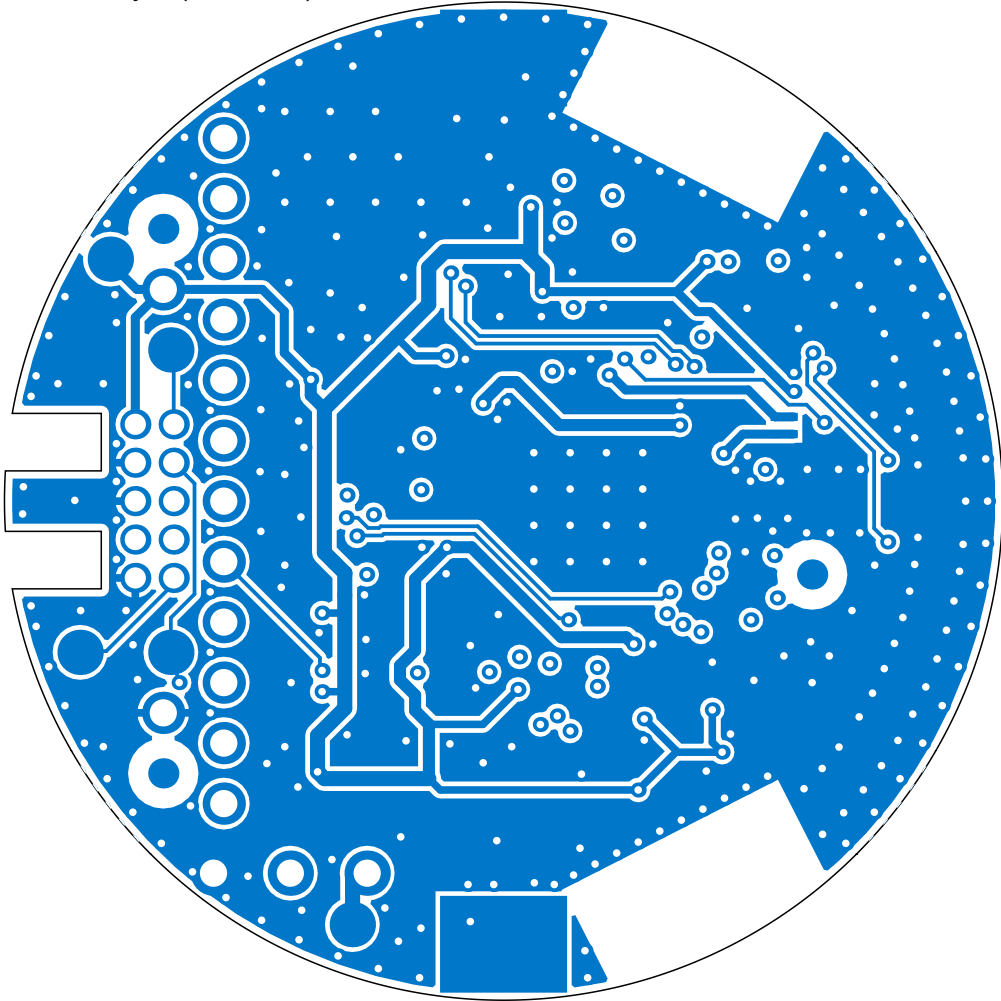
C


D

E

F

Bottom Layer (Scale 4:1)



Title			 NORDIC [®] SEMICONDUCTOR		
nRF54L15 Tag					
Size: A4	Part Number: 400921	Revision: 0491RUBR			
Date: 2026-04-13		Sheet 8 of 15			
File: 400921_pcb_prints.PCBDwf		Drawn By: RUBR			
Classification: PUBLIC					

A

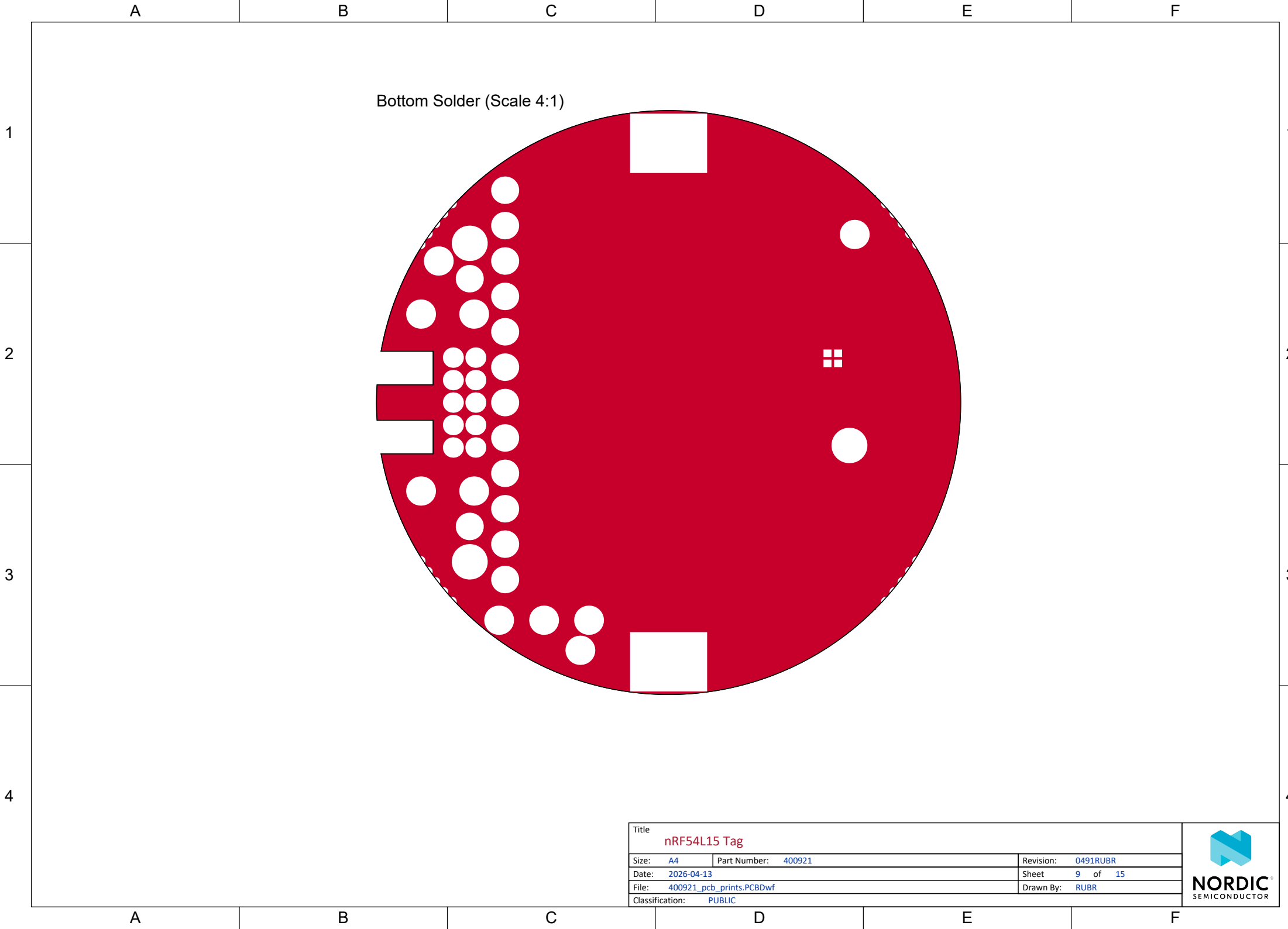
B


C

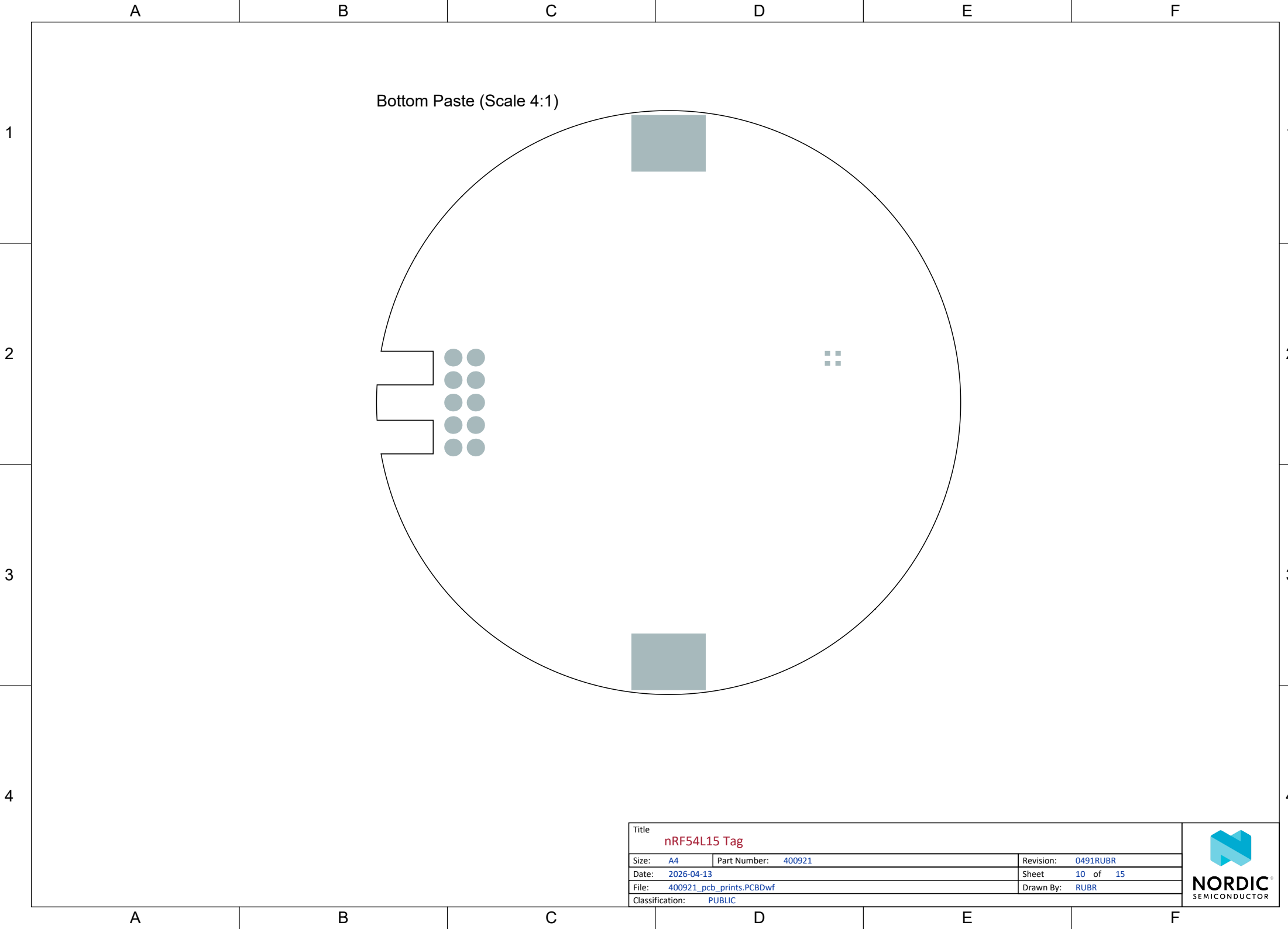
D

E

F

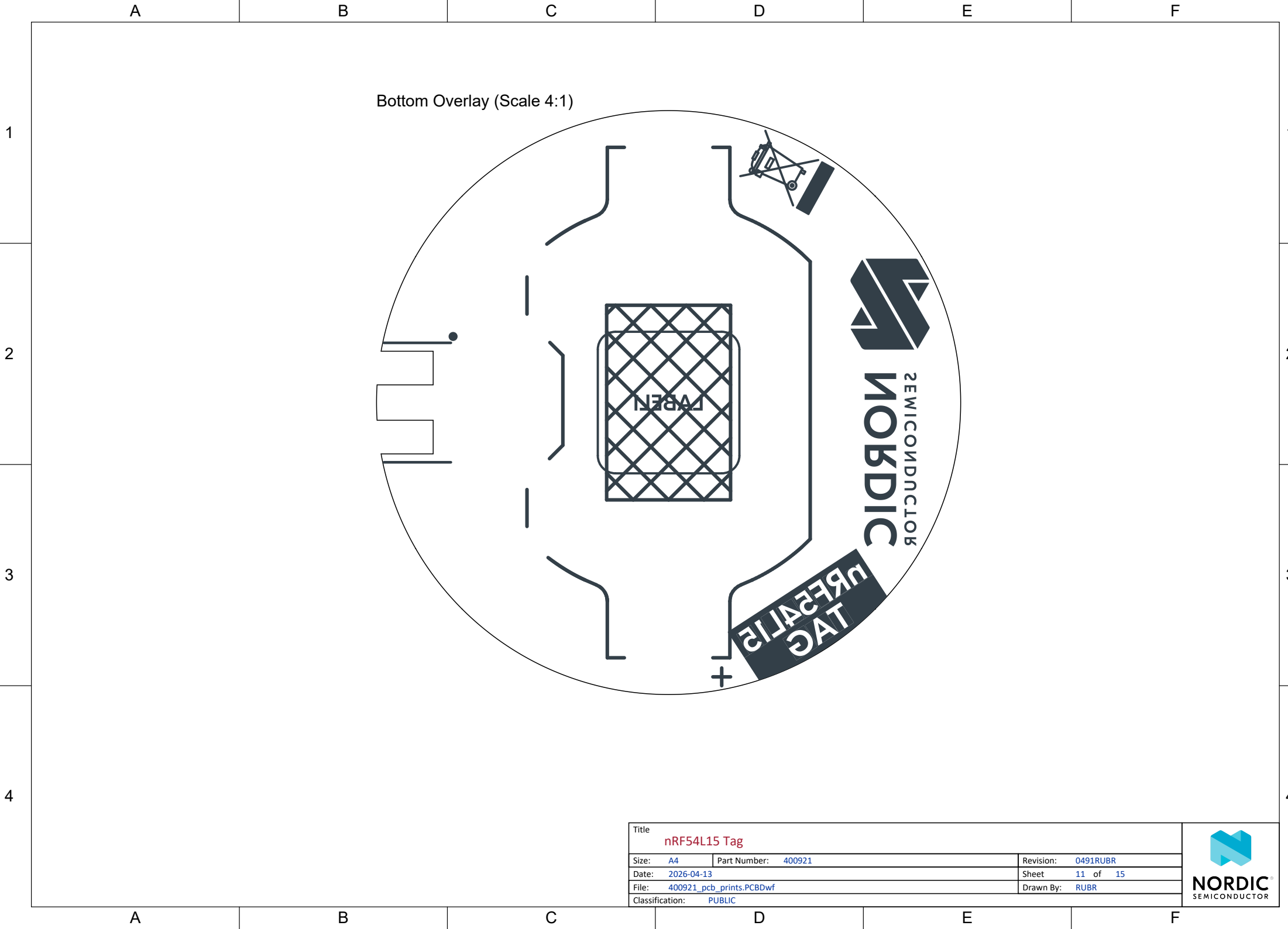


Title						
nRF54L15 Tag						
Size:	A4	Part Number:	400921		Revision:	0491RUBR
Date:	2026-04-13				Sheet	9 of 15
File:	400921_pcb_prints.PCBDwf				Drawn By:	RUBR
Classification:	PUBLIC					



Title			nRF54L15 Tag		
Size:	A4	Part Number:	400921	Revision:	0491RUBR
Date:	2026-04-13			Sheet	10 of 15
File:	400921_pcb_prints.PCBDwf			Drawn By:	RUBR
Classification:	PUBLIC				

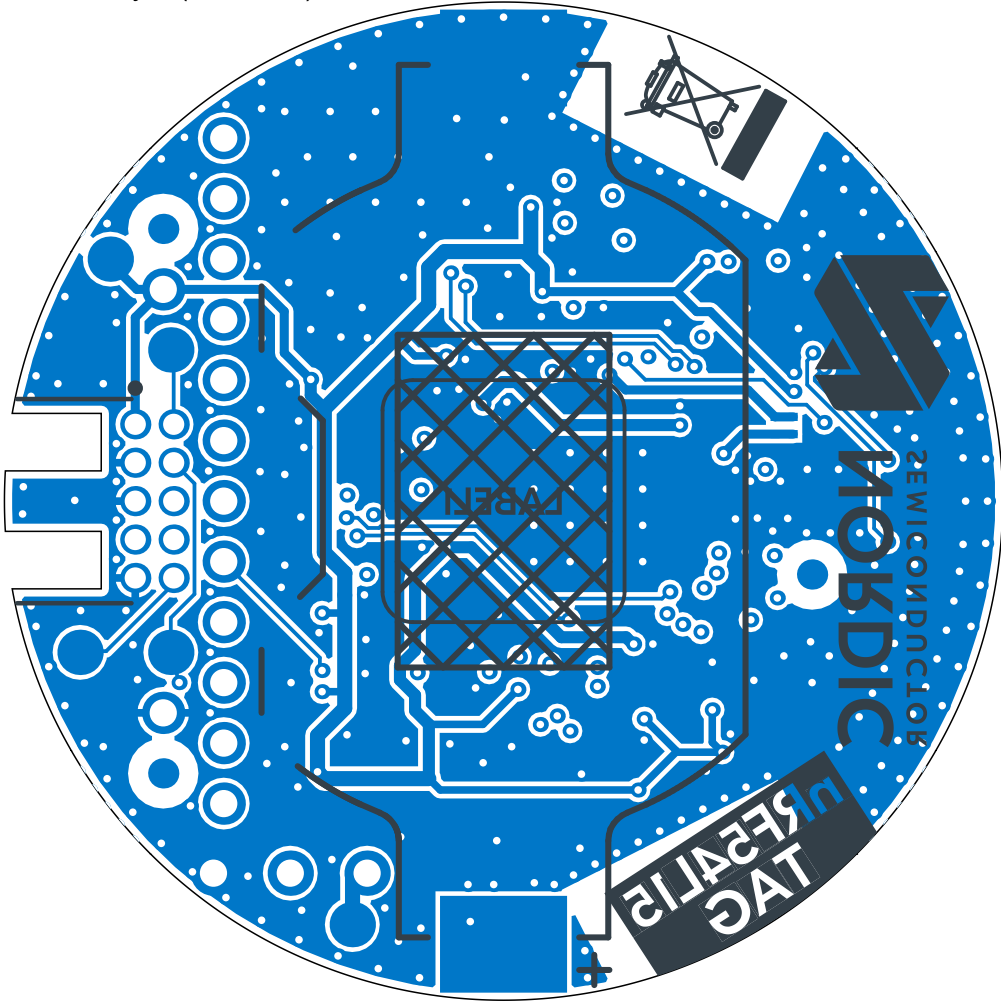




Title		
nRF54L15 Tag		
Size: A4	Part Number: 400921	Revision: 0491RUBR
Date: 2026-04-13		Sheet 11 of 15
File: 400921_pcb_prints.PCBDwf		Drawn By: RUBR
Classification: PUBLIC		



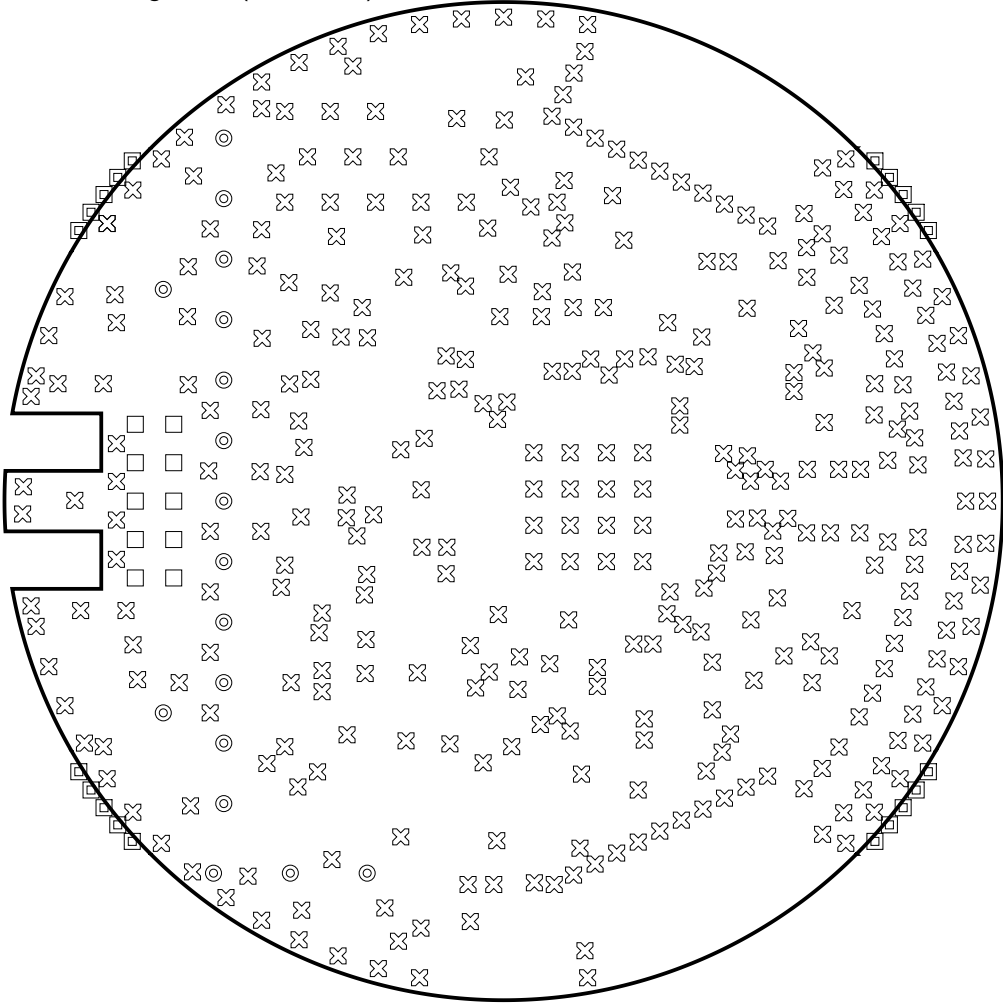
Bottom Layer (Scale 4:1)



Title			nRF54L15 Tag		
Size:	A4	Part Number:	400921	Revision:	0491RUBR
Date:	2026-04-13			Sheet	12 of 15
File:	400921_pcb_prints.PCBDwf			Drawn By:	RUBR
Classification:	PUBLIC				



Drill Drawing View (Scale 4:1)



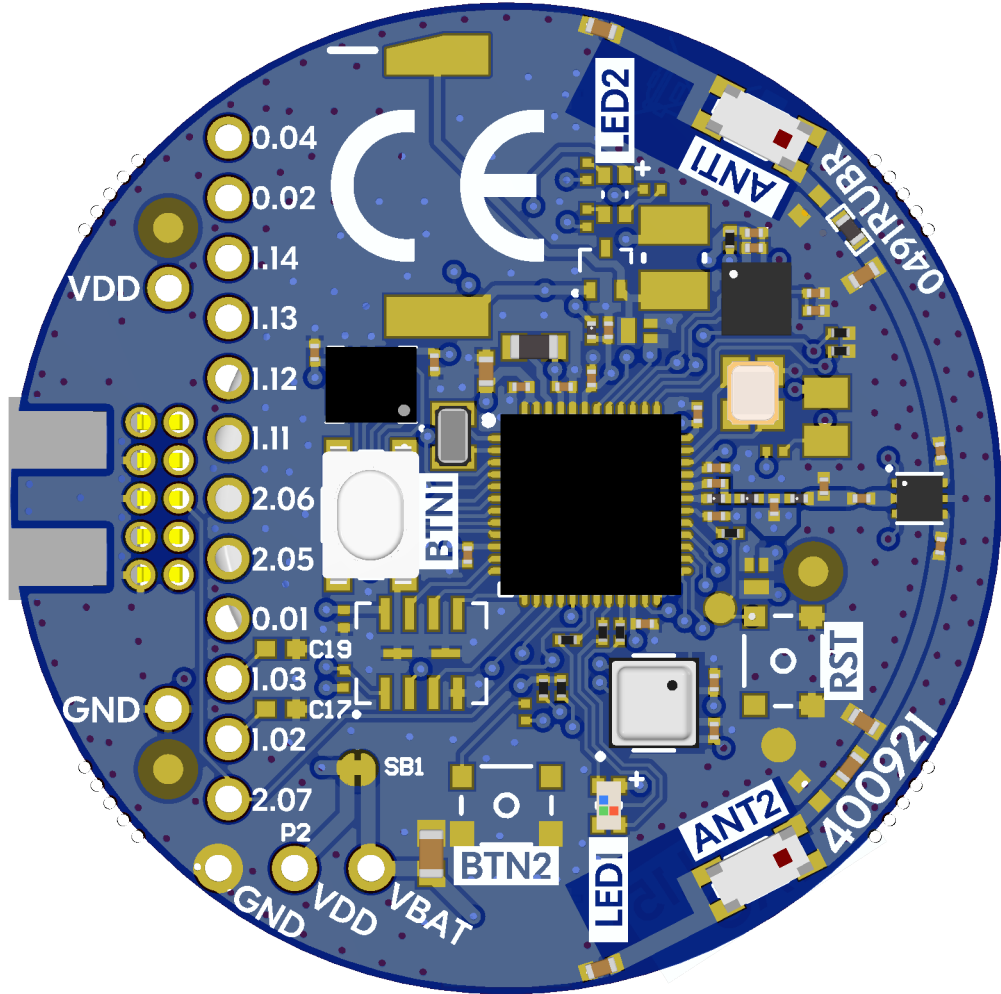
Drill Table

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair
⊗	368	0.25mm	Plated	Round	Top Layer - Bottom Layer
⊠	20	0.40mm	Non-Plated	Round	Top Layer - Bottom Layer
□	10	0.70mm	Plated	Round	Top Layer - Bottom Layer
◎	17	0.90mm	Plated	Round	Top Layer - Bottom Layer
	415 Total				

Title nRF54L15 Tag		
Size: A4	Part Number: 400921	Revision: 0491RUBR
Date: 2026-04-13		Sheet 13 of 15
File: 400921_pcb_prints.PCBDwf		Drawn By: RUBR
Classification: PUBLIC		



Realistic Top View (Scale 4:1)



Title		
nRF54L15 Tag		
Size: A4	Part Number: 400921	Revision: 0491RUBR
Date: 2026-04-13		Sheet 14 of 15
File: 400921_pcb_prints.PCBDwf		Drawn By: RUBR
Classification: PUBLIC		



A

B

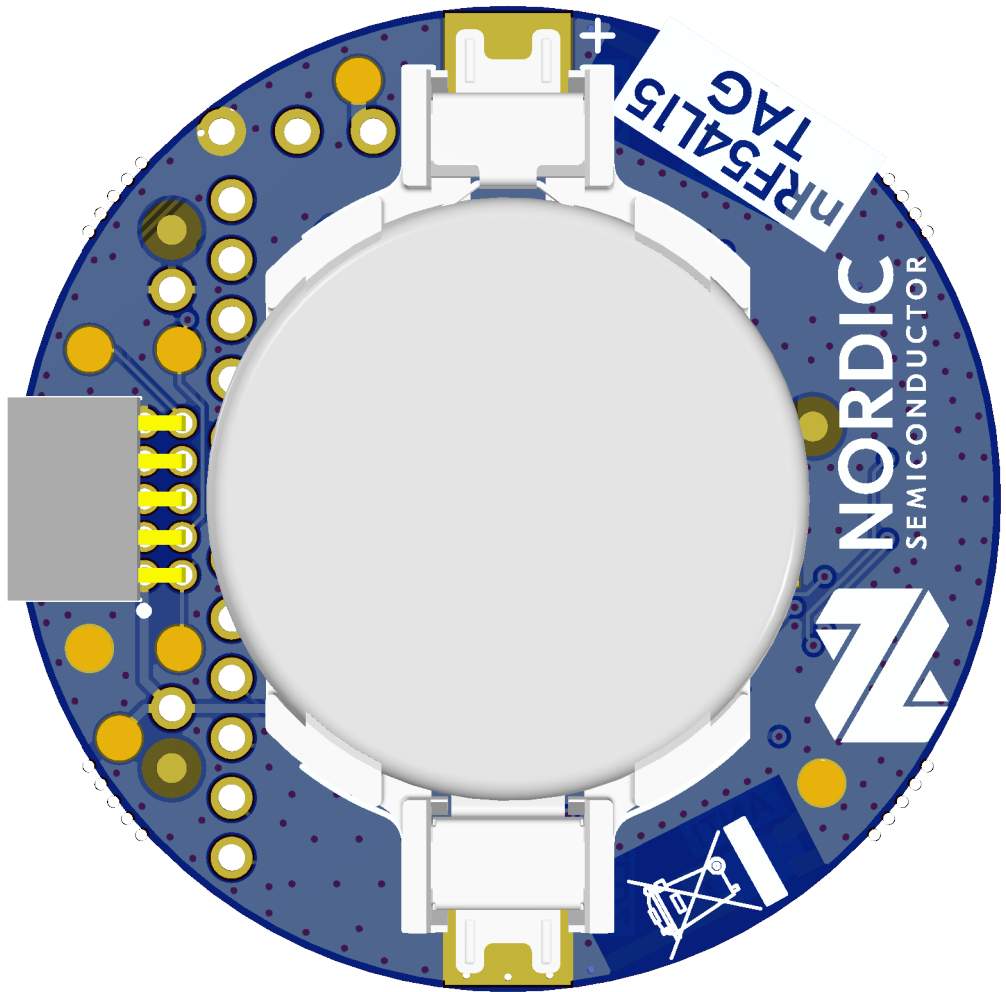
C


D

E

F

Realistic Bottom View (Scale 4:1)



Title			
nRF54L15 Tag			
Size: A4	Part Number: 400921	Revision: 0491RUBR	
Date: 2026-04-13	Sheet 15 of 15		
File: 400921_pcb_prints.PCBDwf	Drawn By: RUBR		
Classification: PUBLIC			

A

B

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