



**AS3993 UHF RFID**

**Radon Reader**

# Radon Reader

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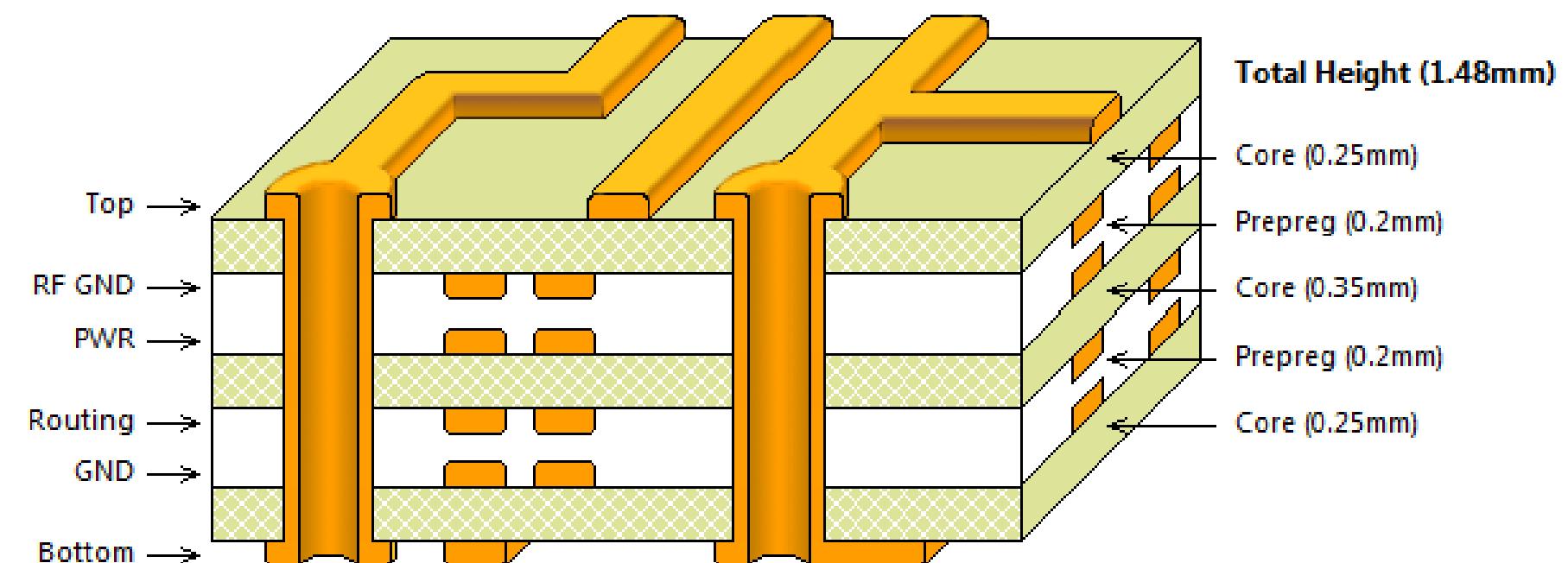
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## Revision History

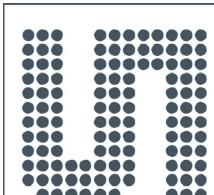
- V1: Initial Design 07.03.2013  
 1V1: RX Input Pin change, Bugfixes, Layout Optimizations  
 1V2: Added coupling caps to RX pins, changed system tuner values, moved test point, changed DC plug footprint  
 changed LNA connection, changed pre-amp footprint, change RF test connector footprints, PI pad changed to -7dB

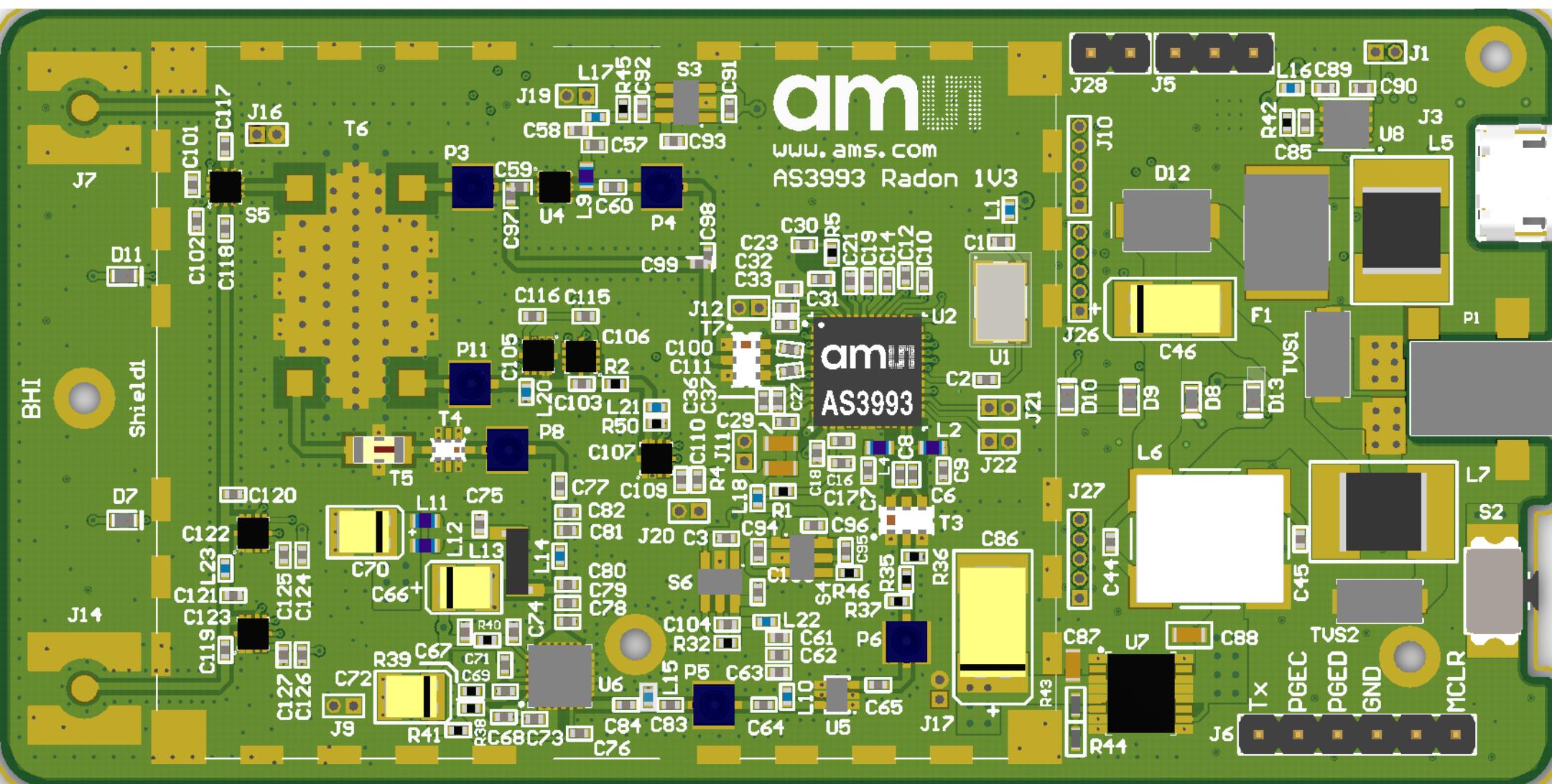
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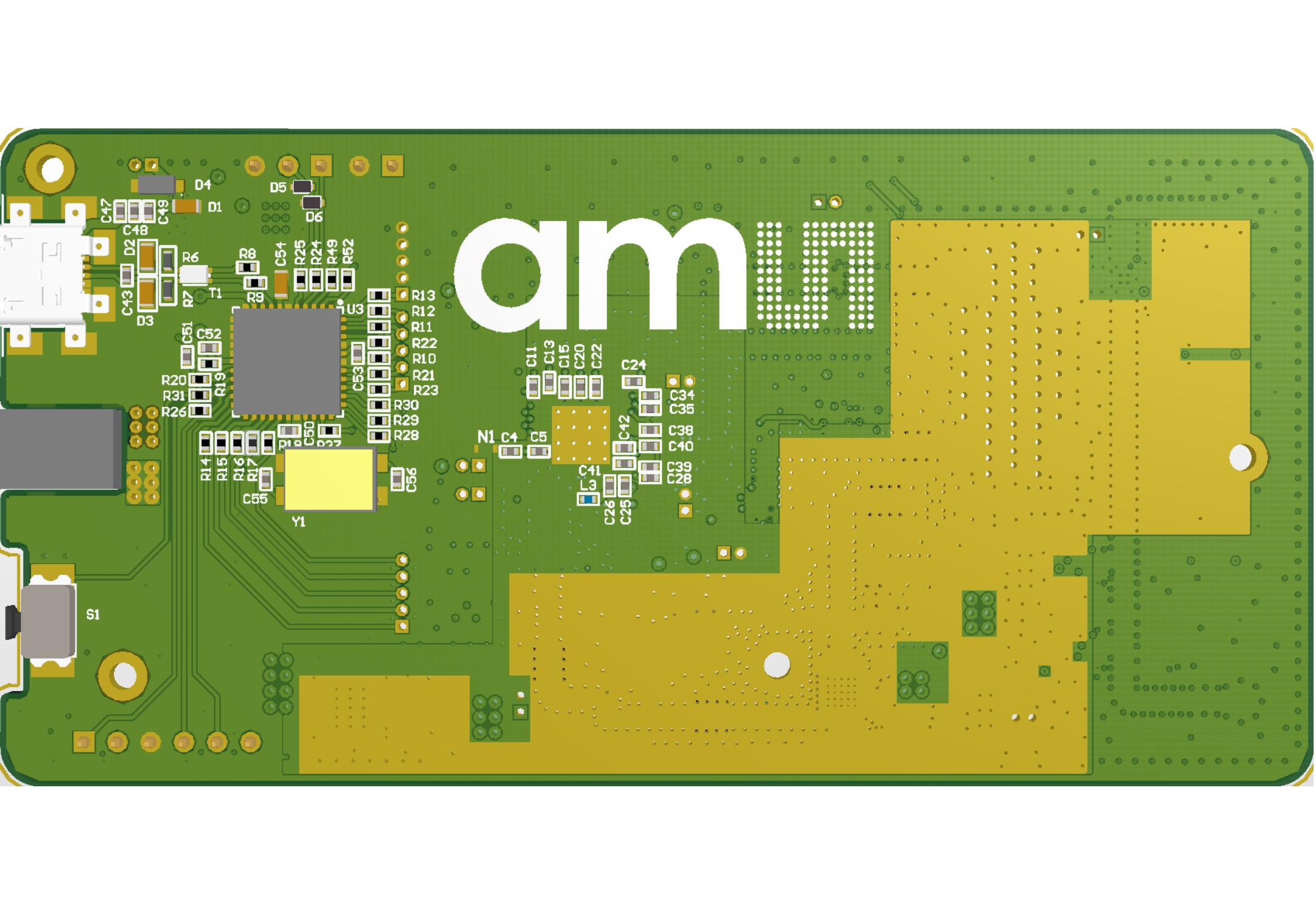
## PCB Stackup



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C47 C48  
C43 D2  
D3 R6  
R20 R19  
R31 R26  
R4 R5  
R15 R16  
R17 C55  
Y1

D1  
D4 C49  
D5  
D6  
R7 T1  
R8  
U3  
C54  
R25 R24  
R49 R52  
C51 C52  
C53  
R13 R12  
R11 R22  
R10 R21  
R23 R30  
R29 R28

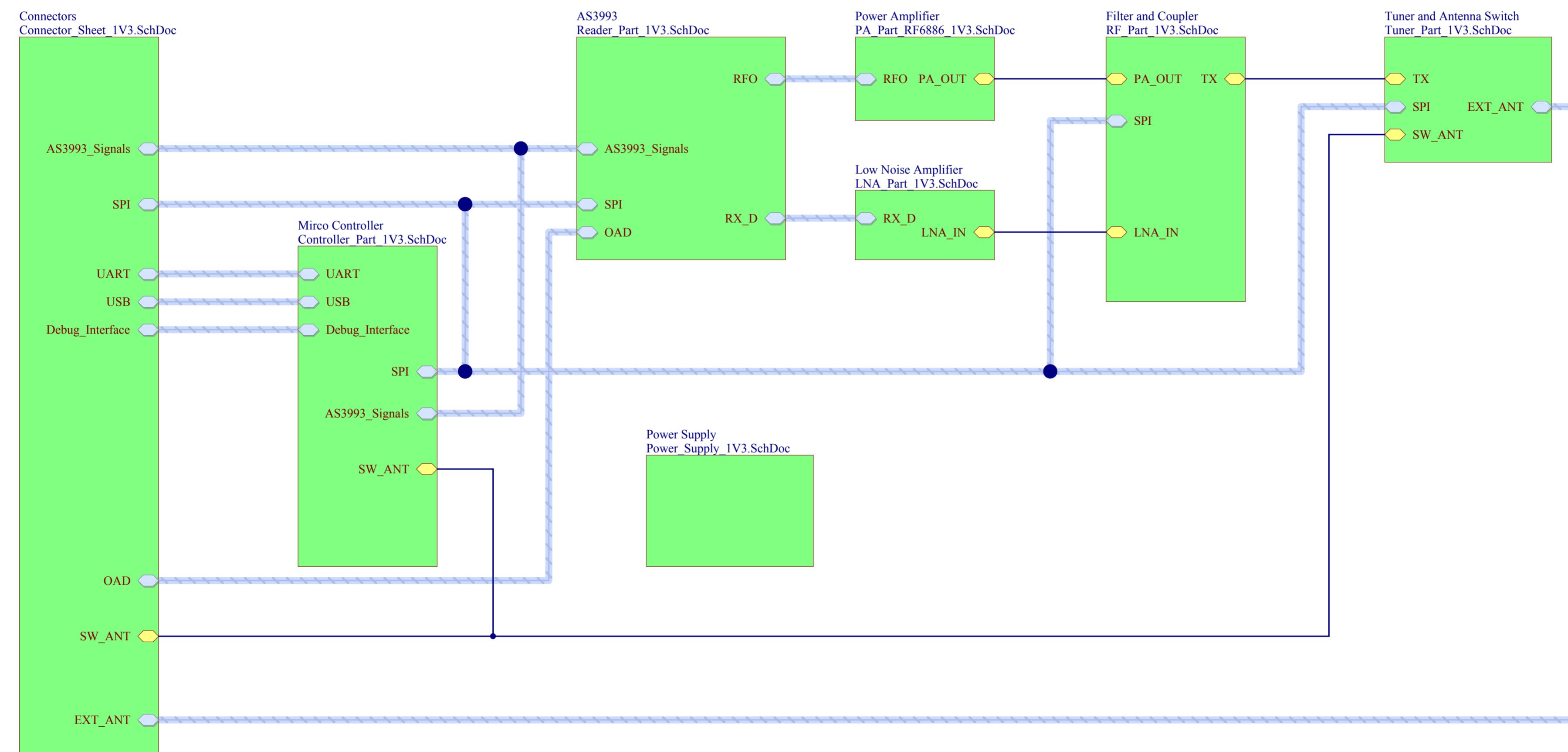
C11 C13 C15 C20  
C22  
C21  
C34 C35  
C38 C40  
C39 C28  
C41 L3  
C25 C42  
C26

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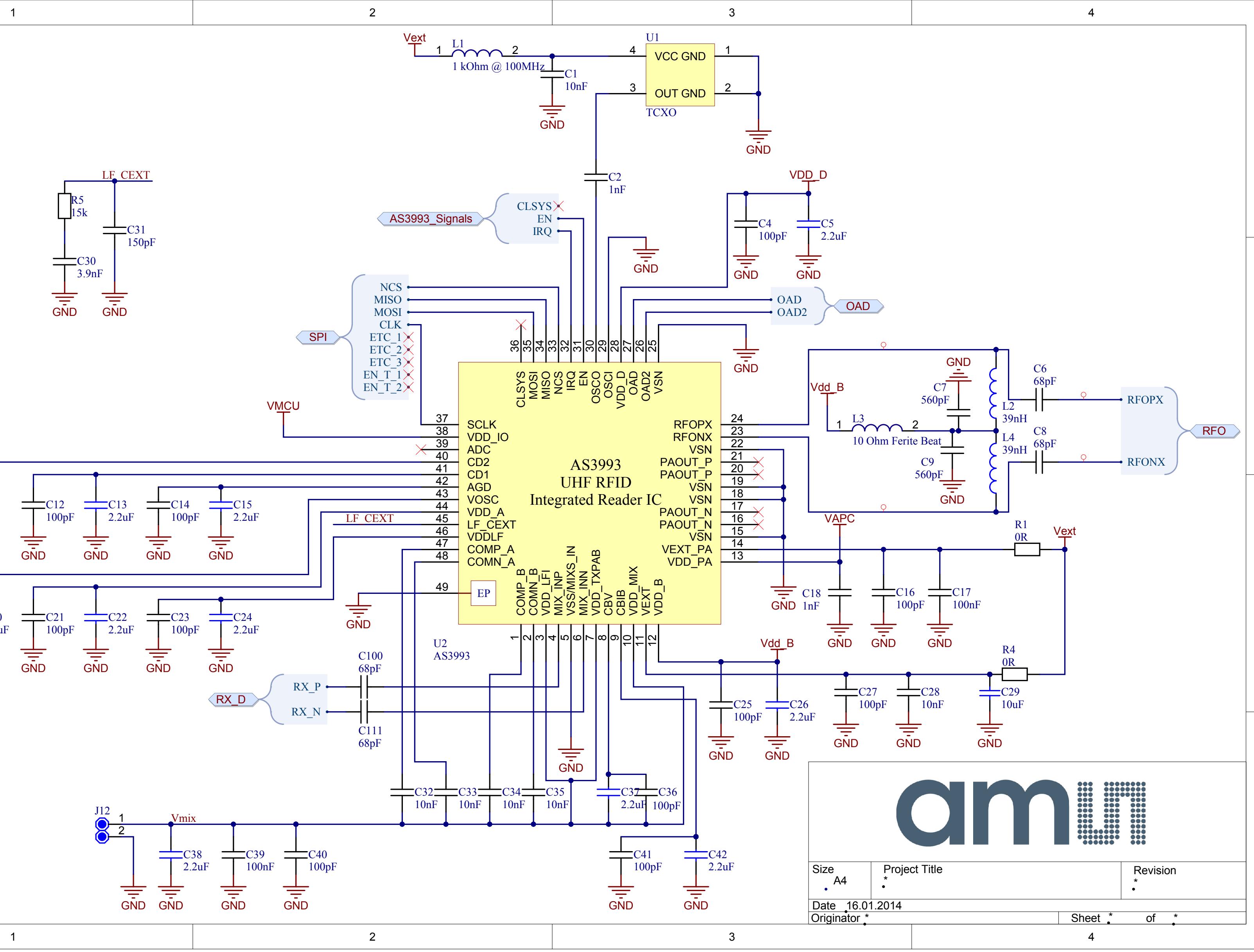
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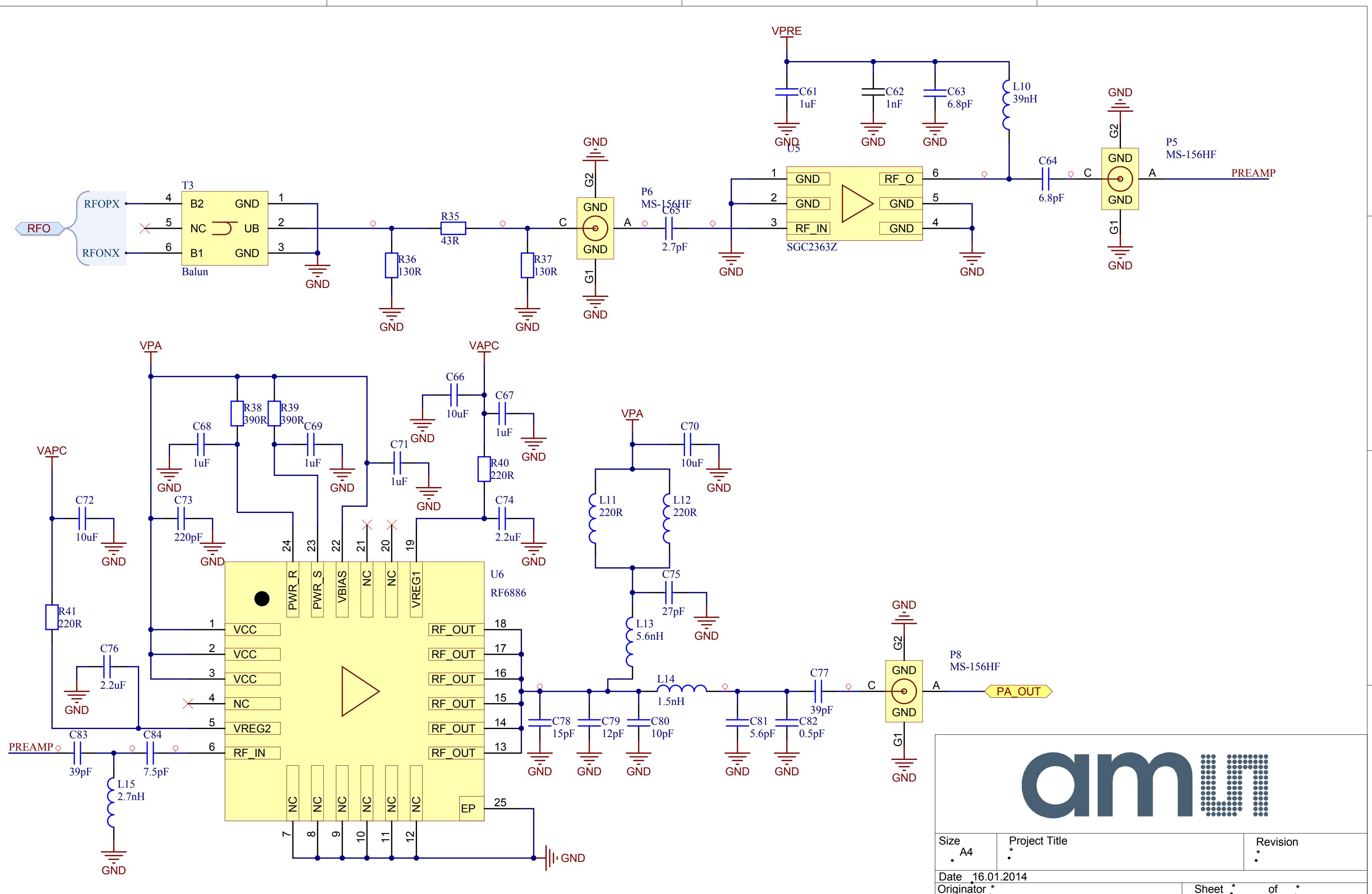
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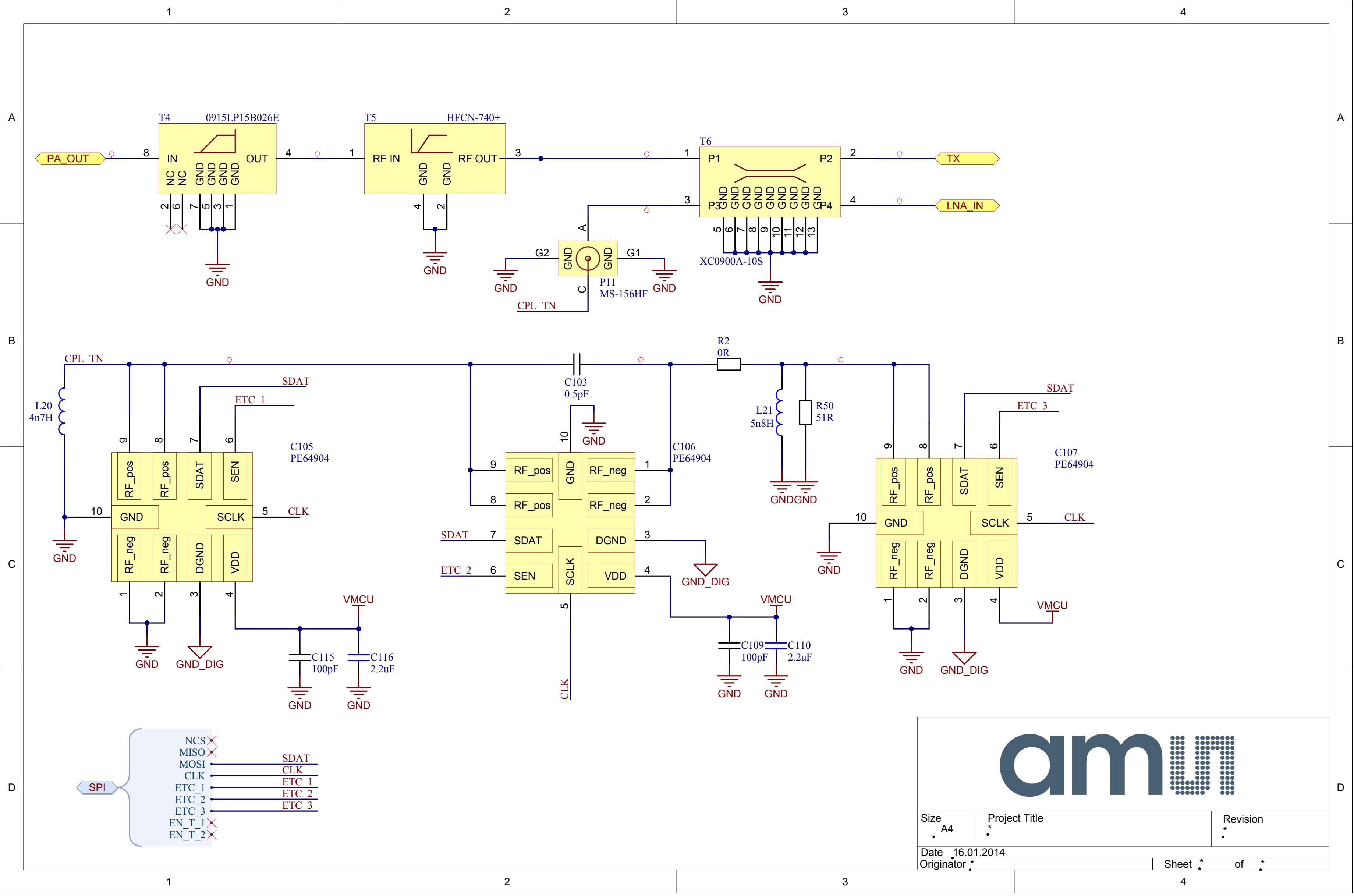


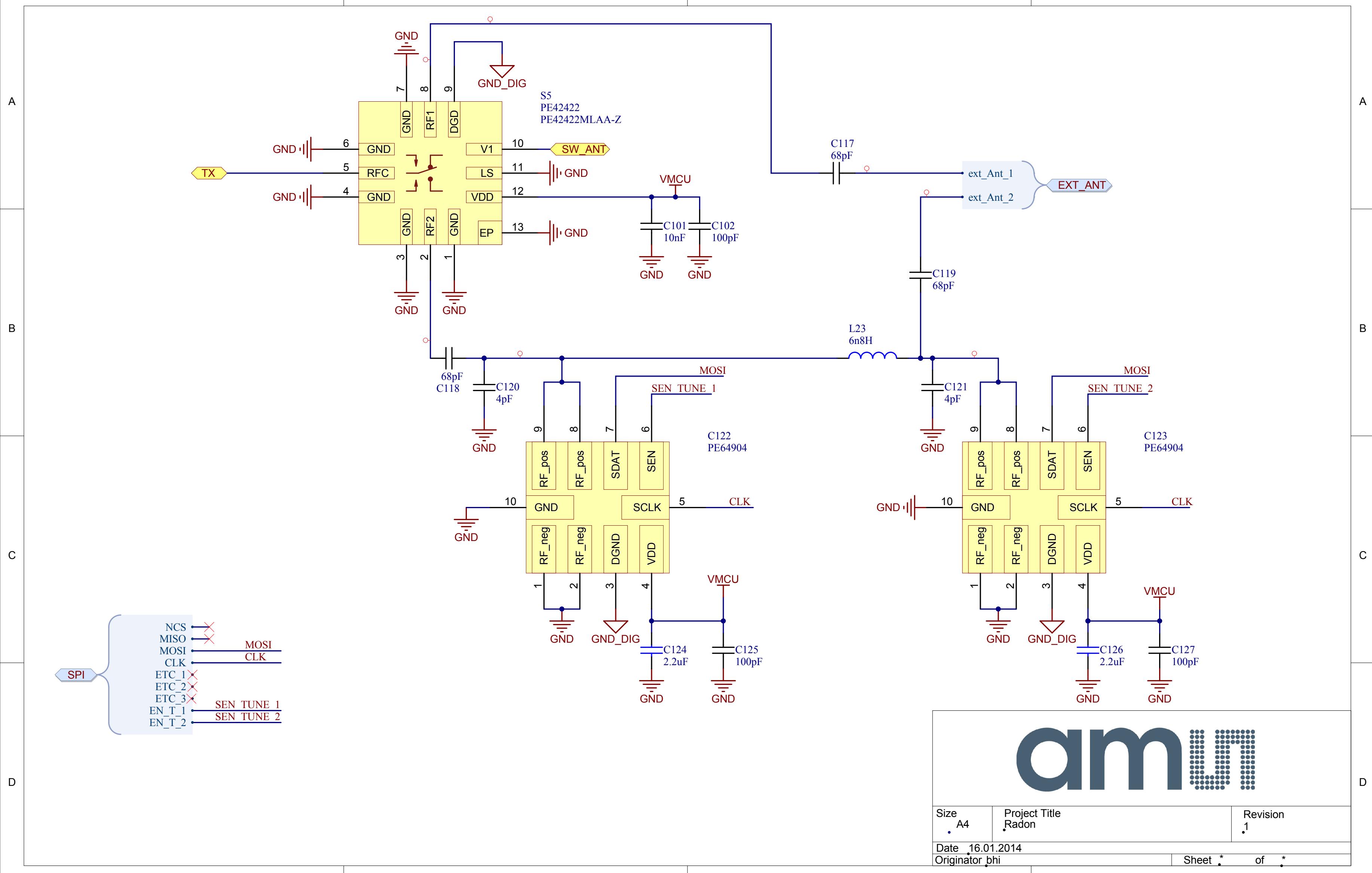
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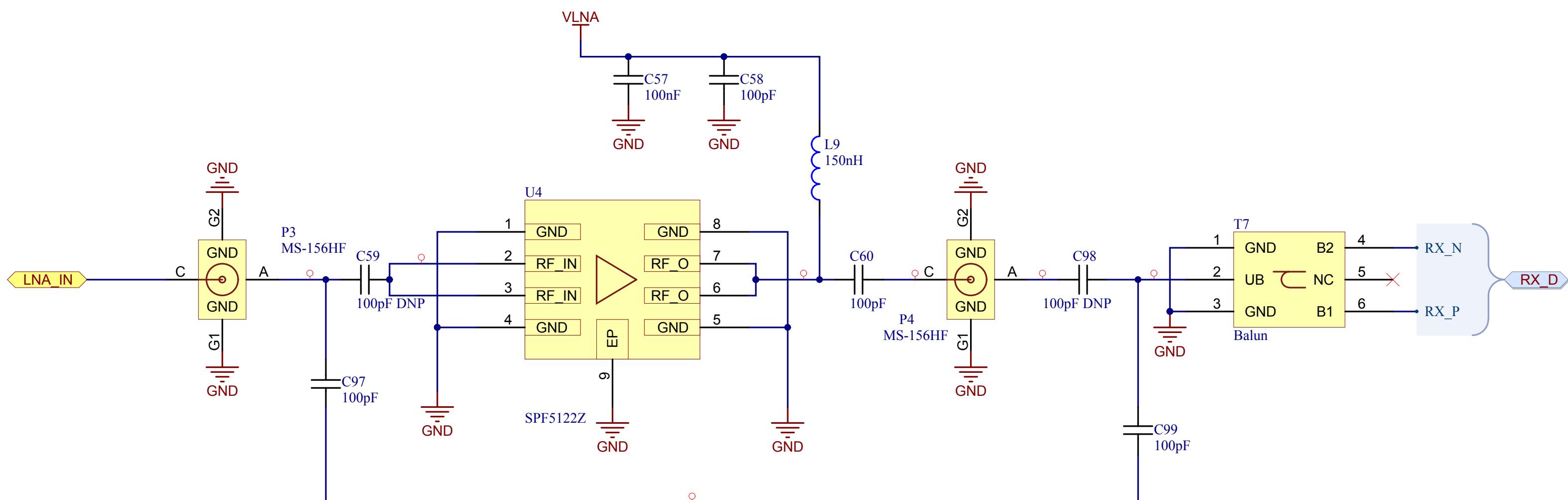
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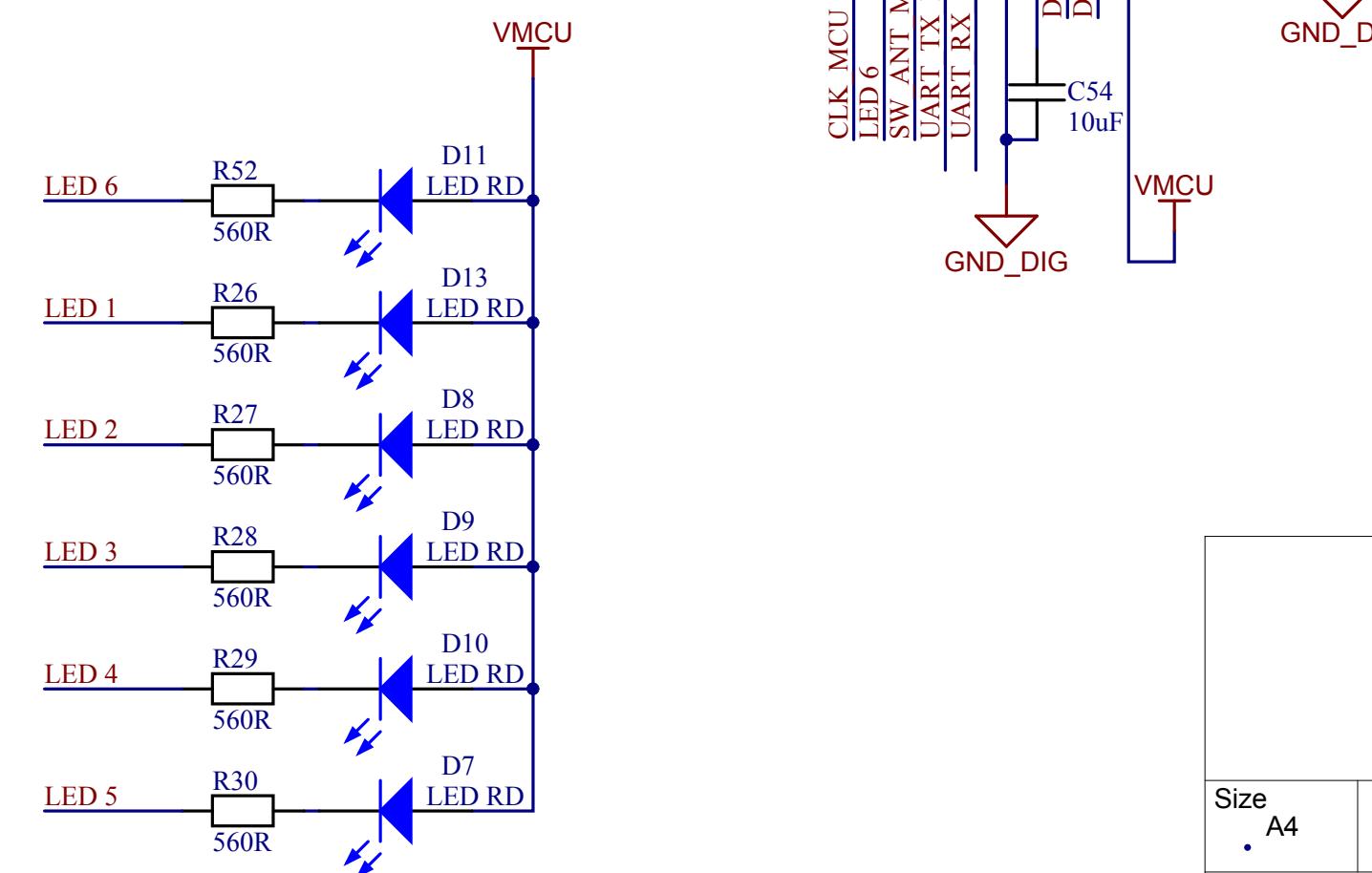
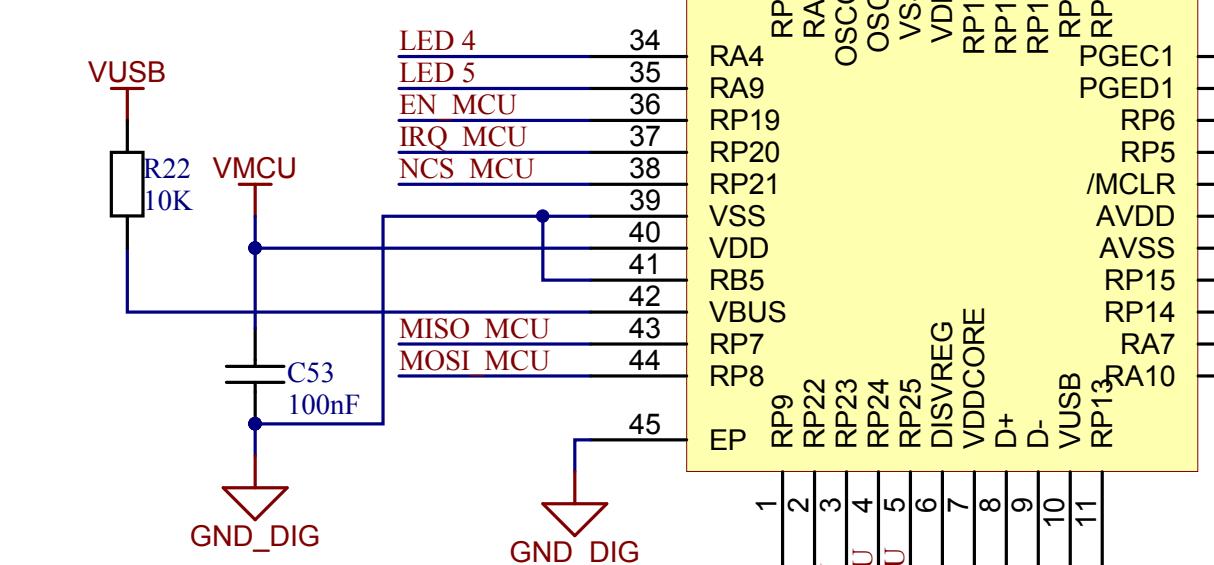
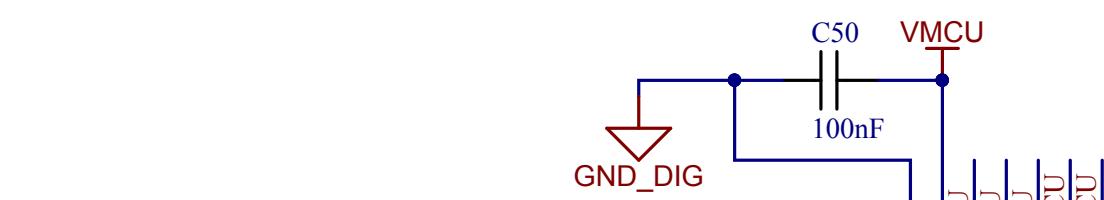
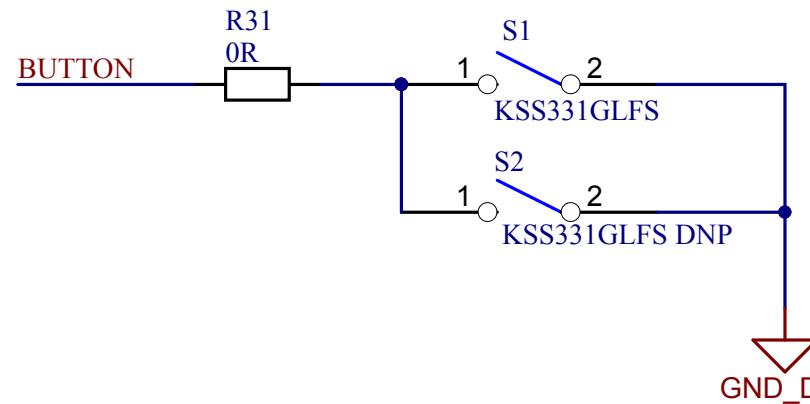
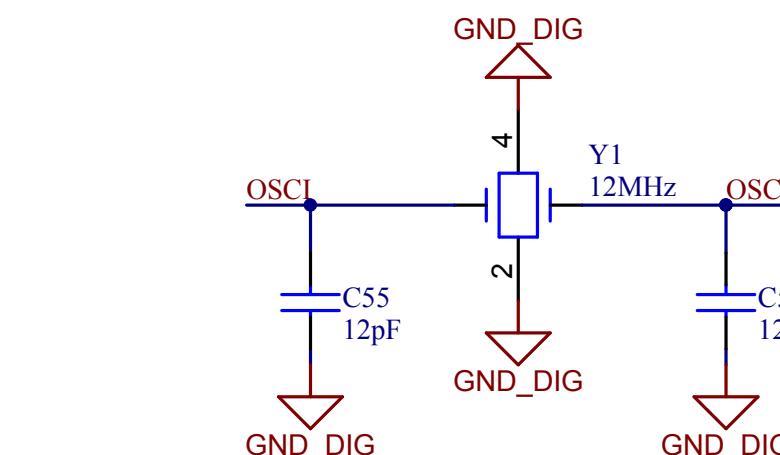
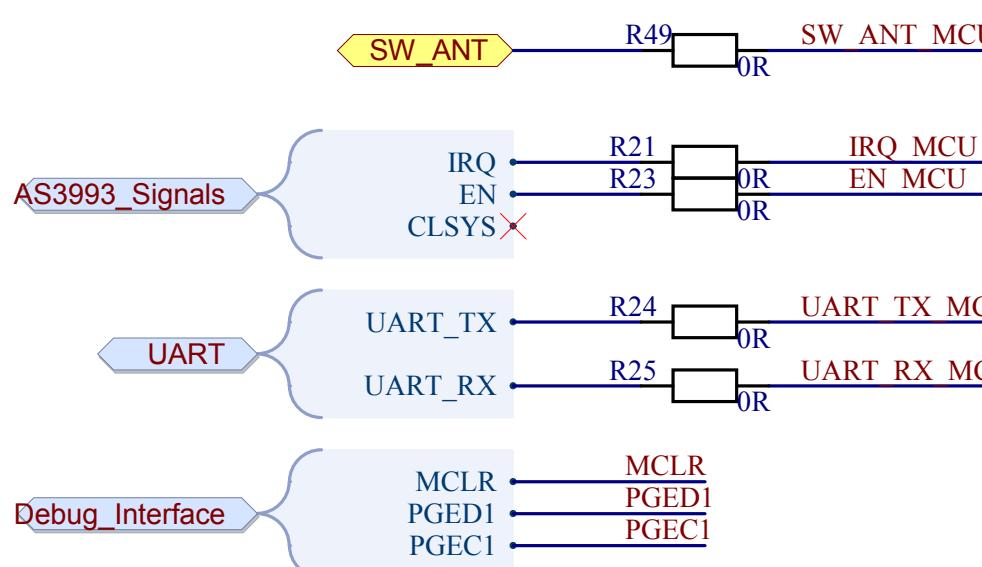
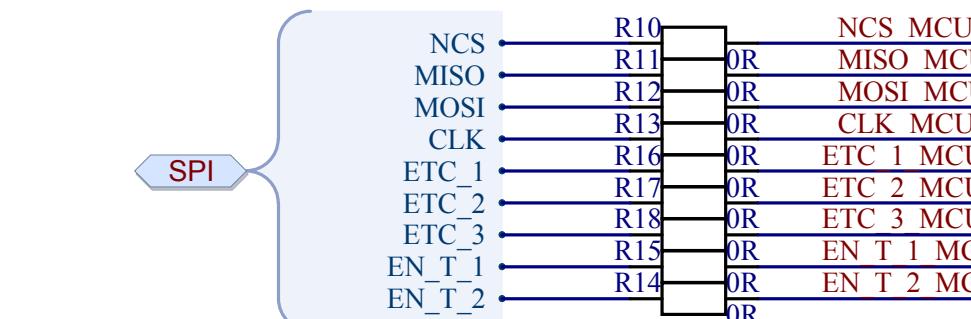
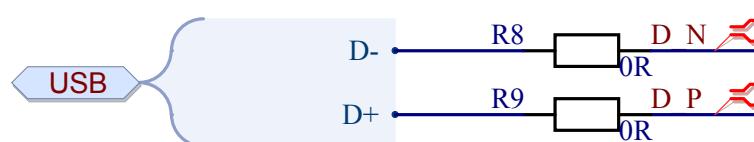
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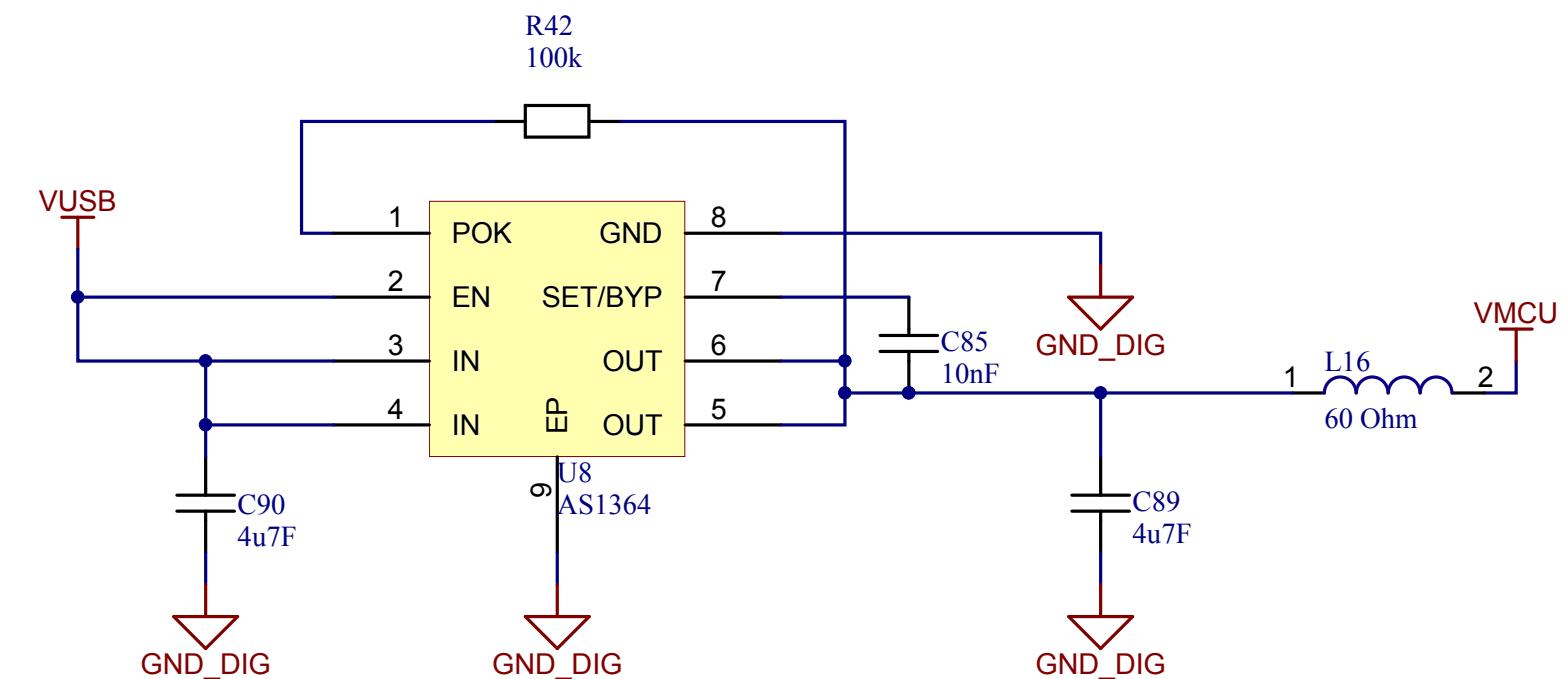
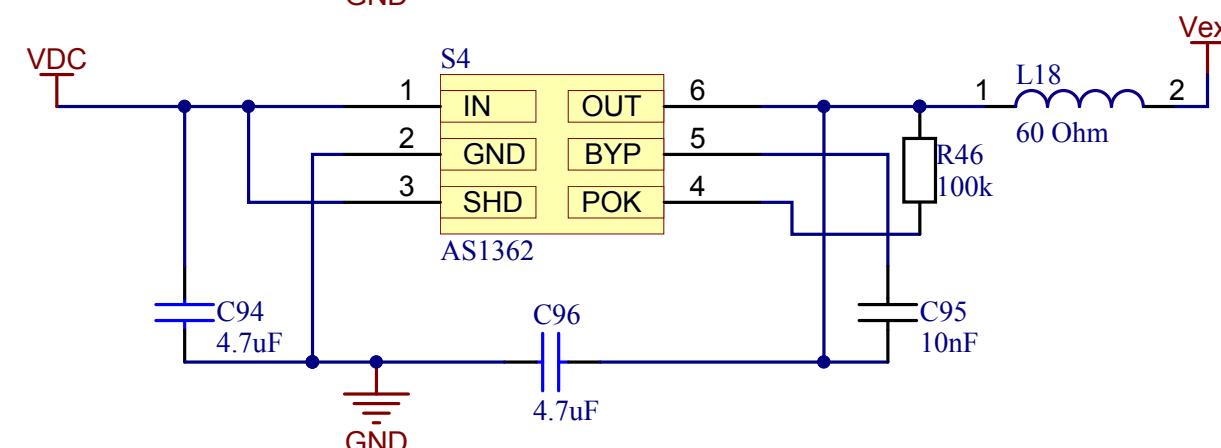
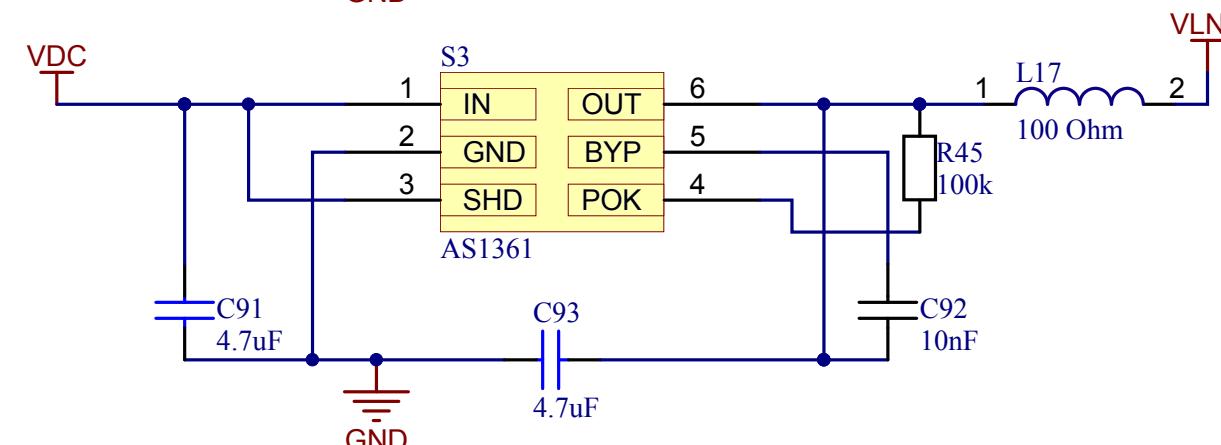
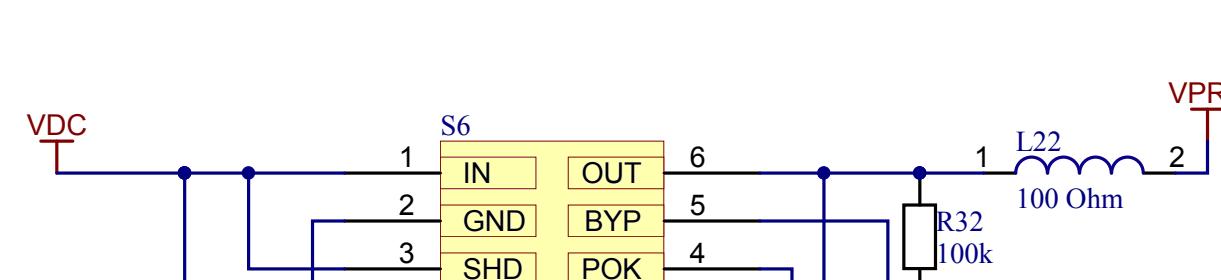
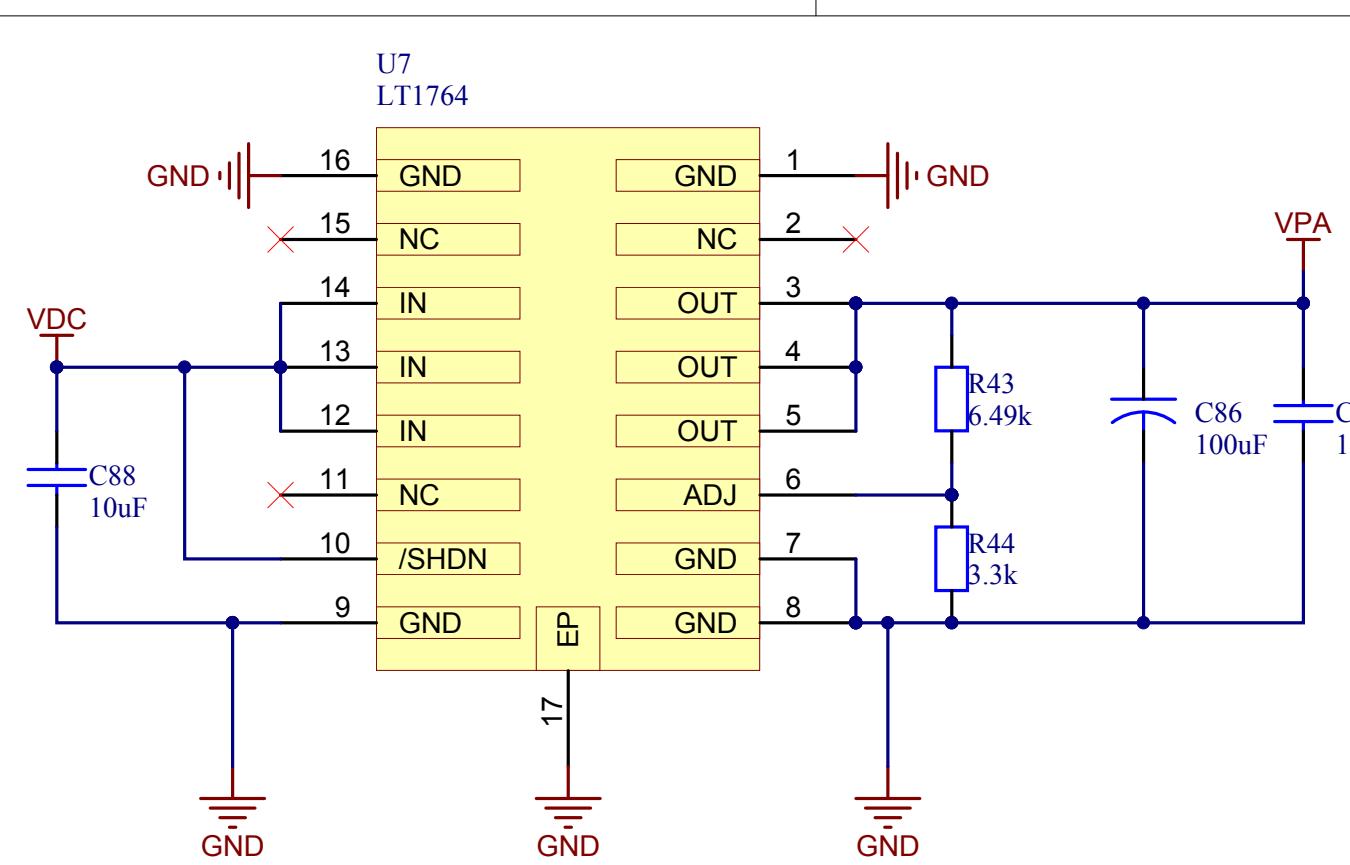
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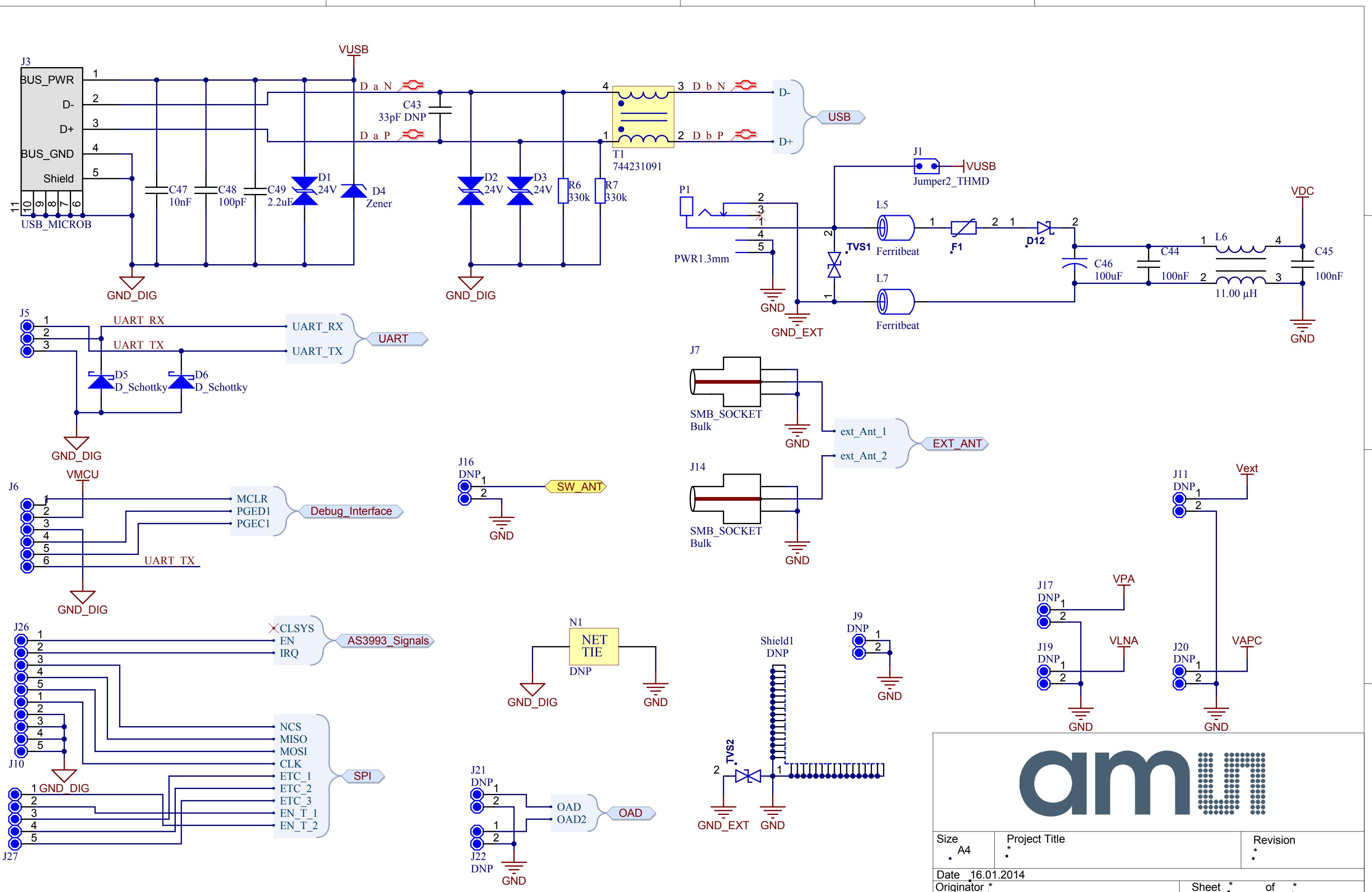
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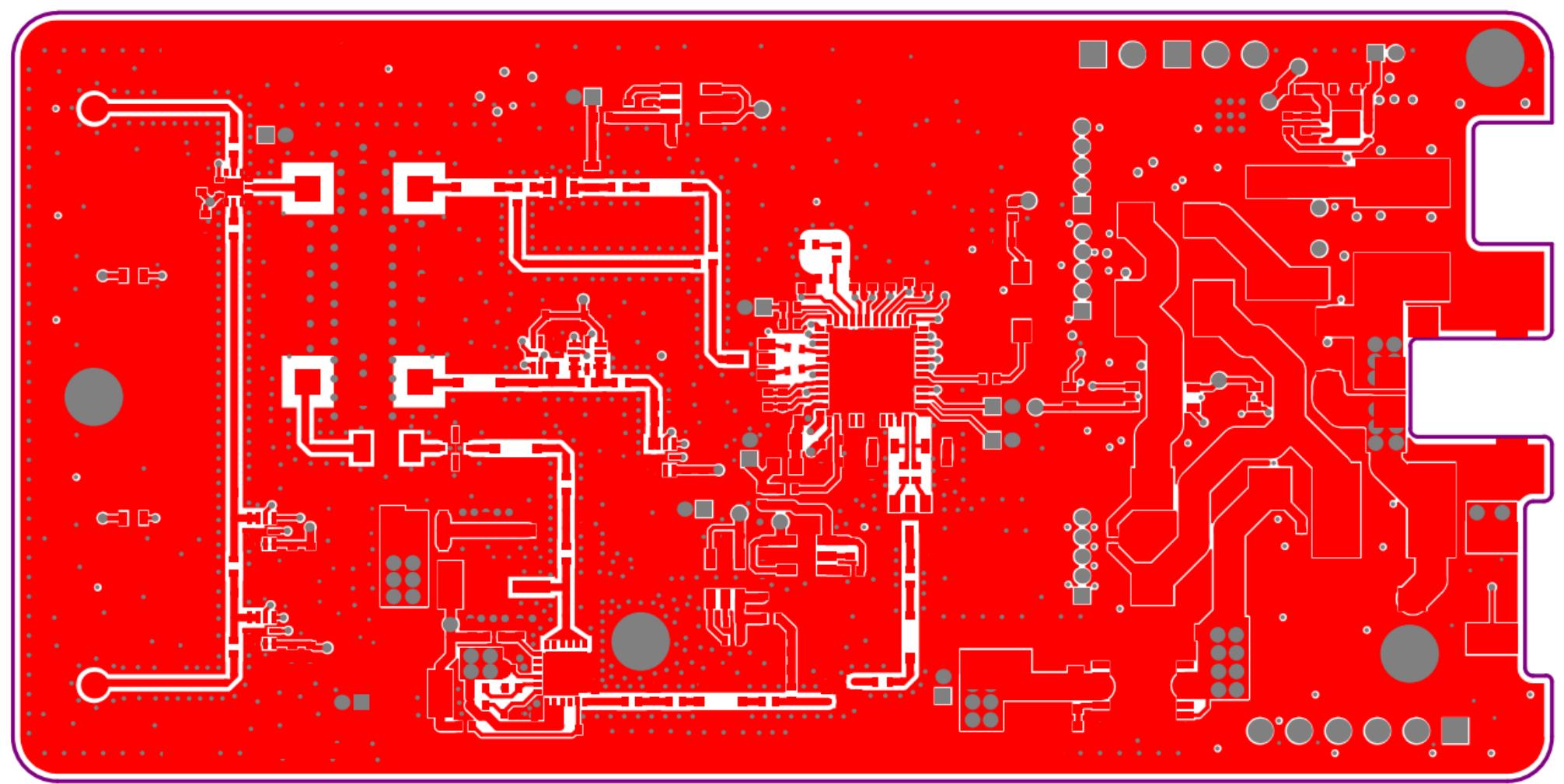


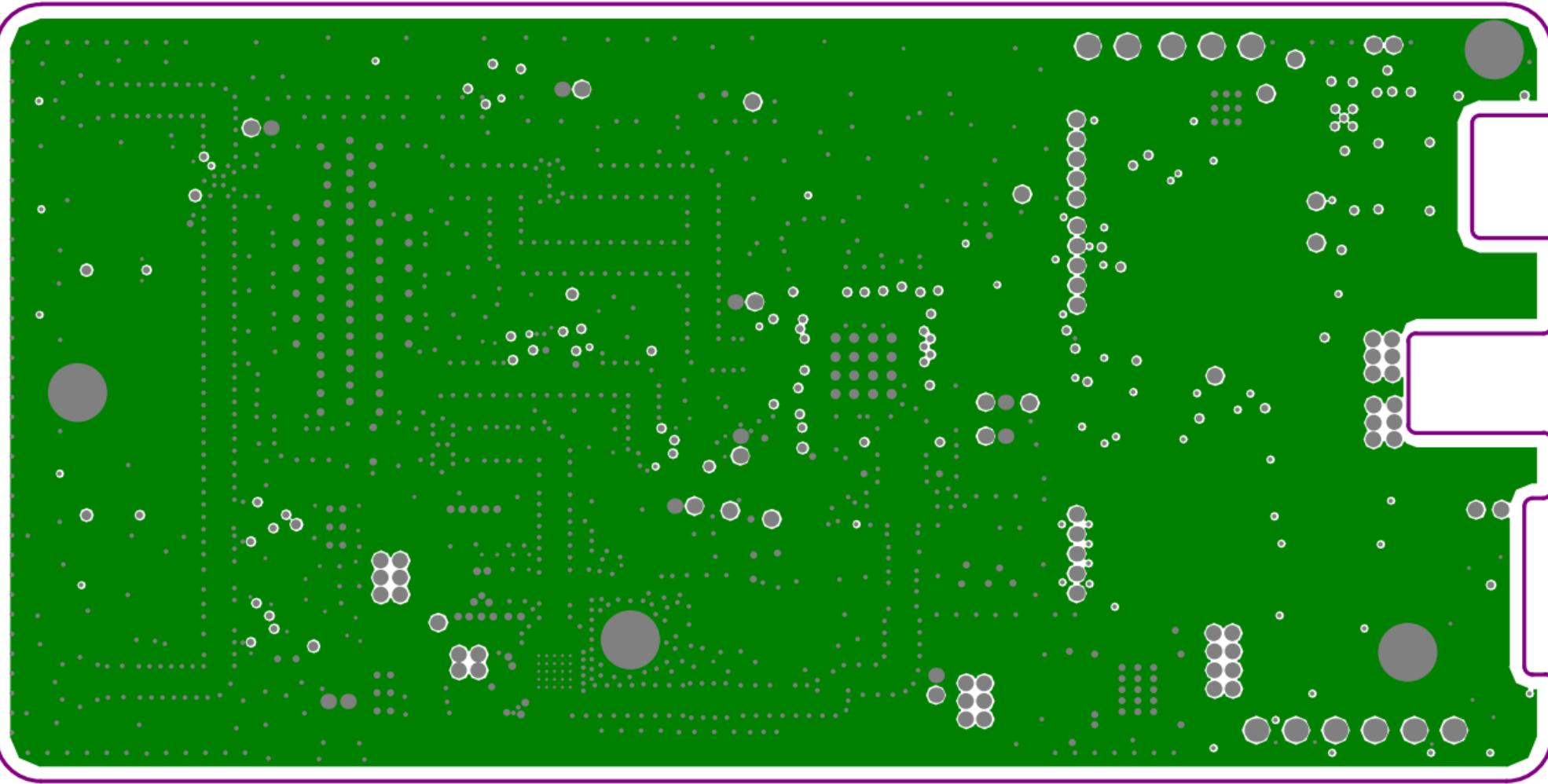
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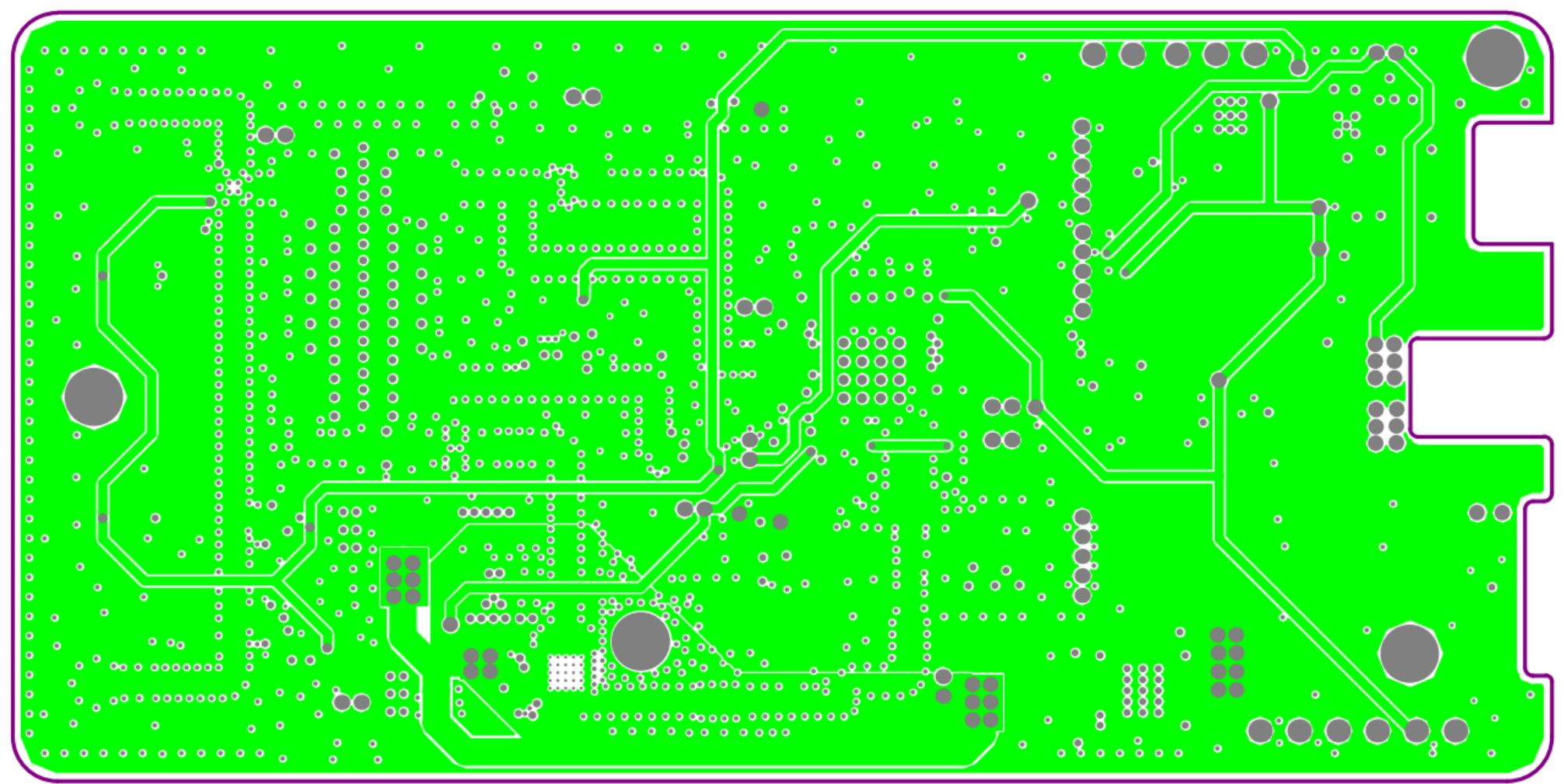
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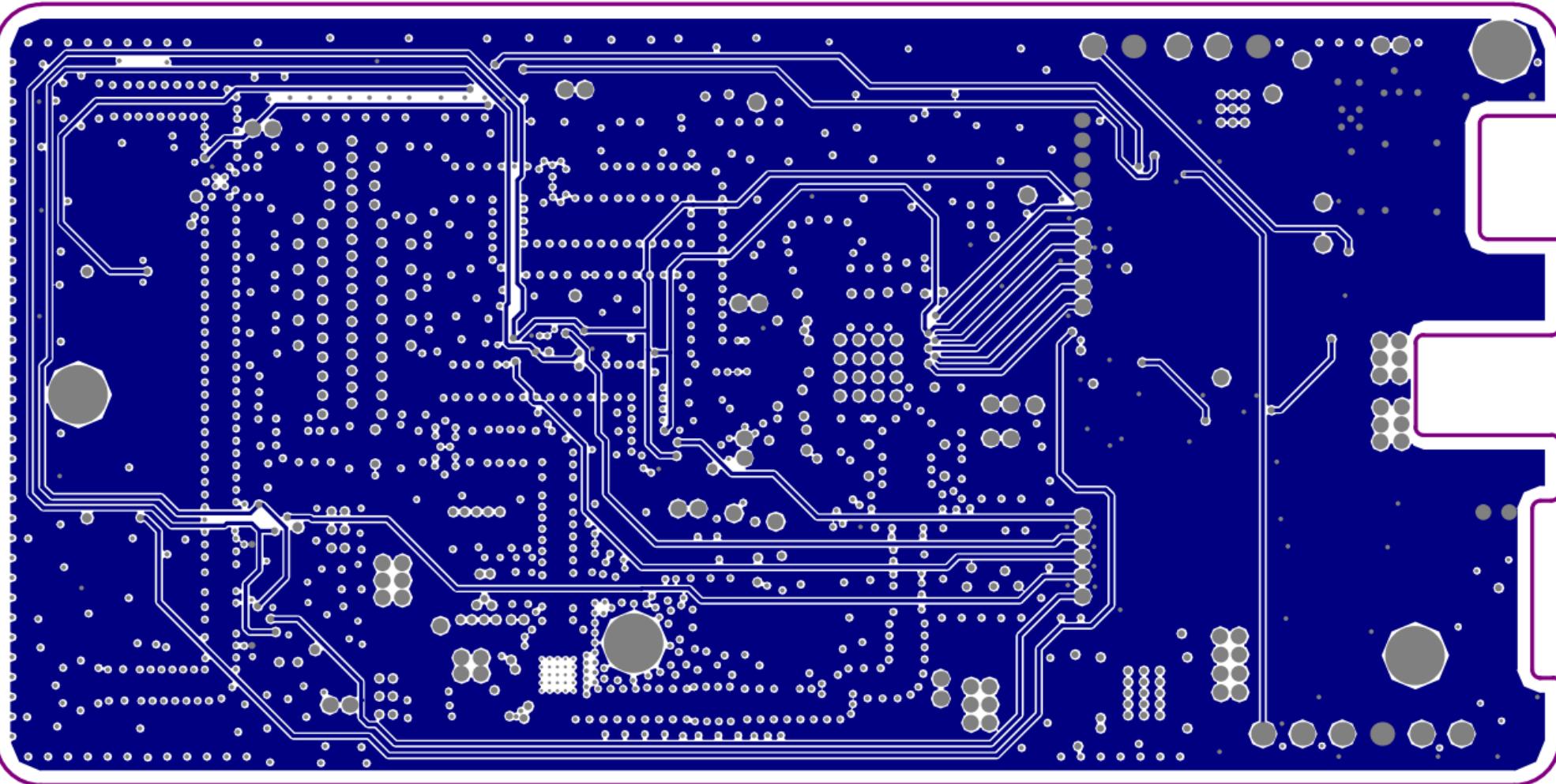
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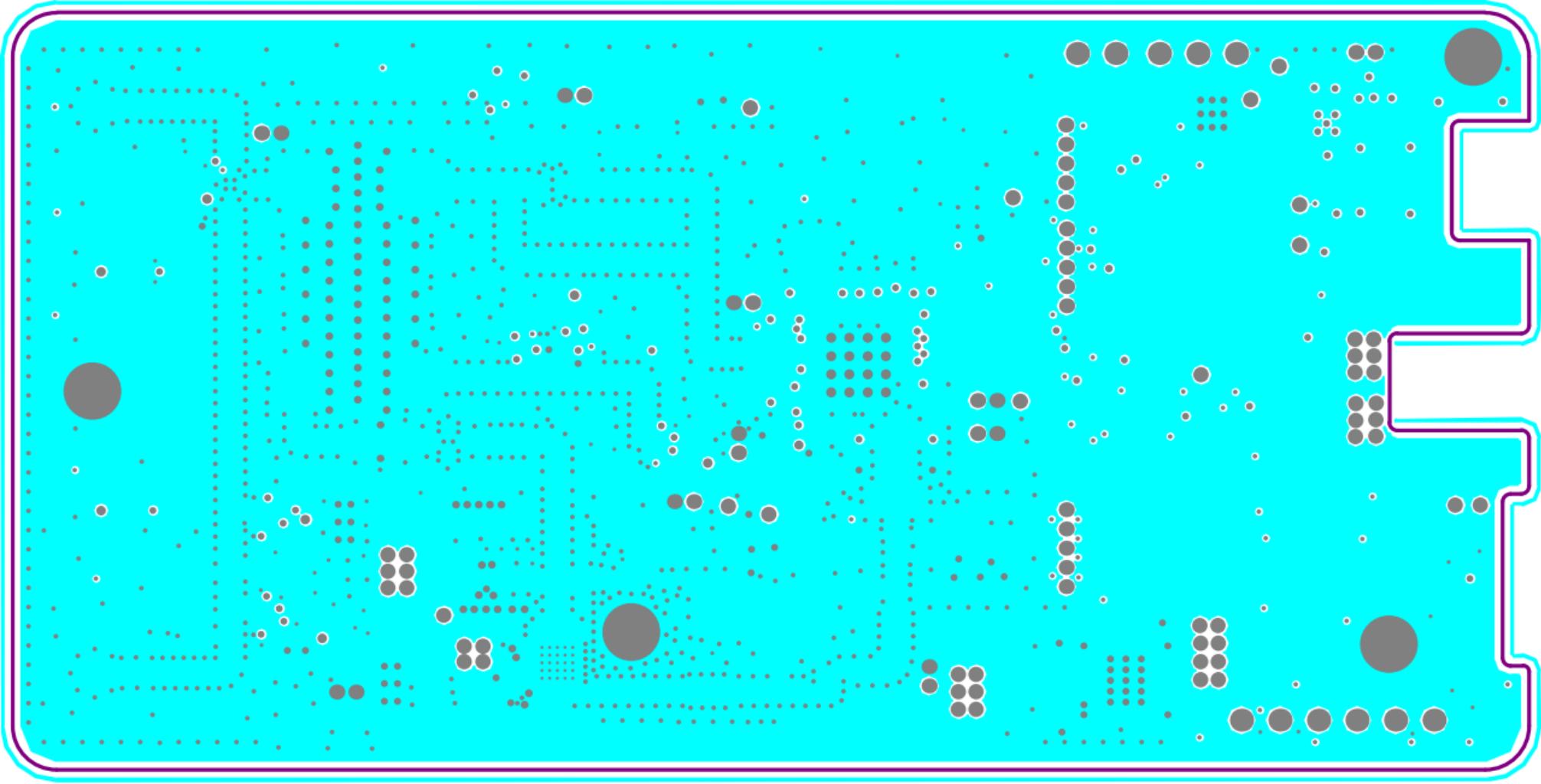


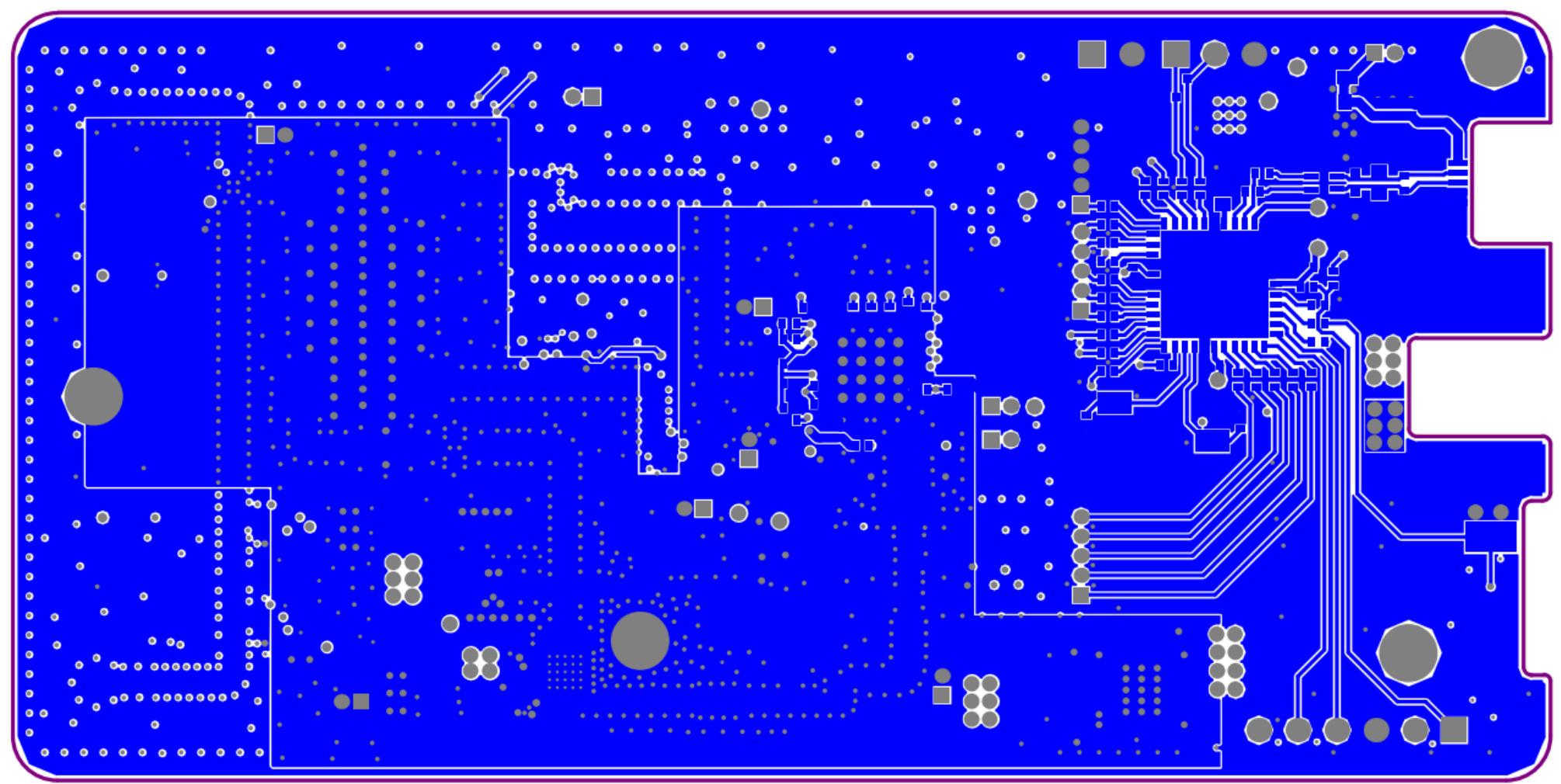








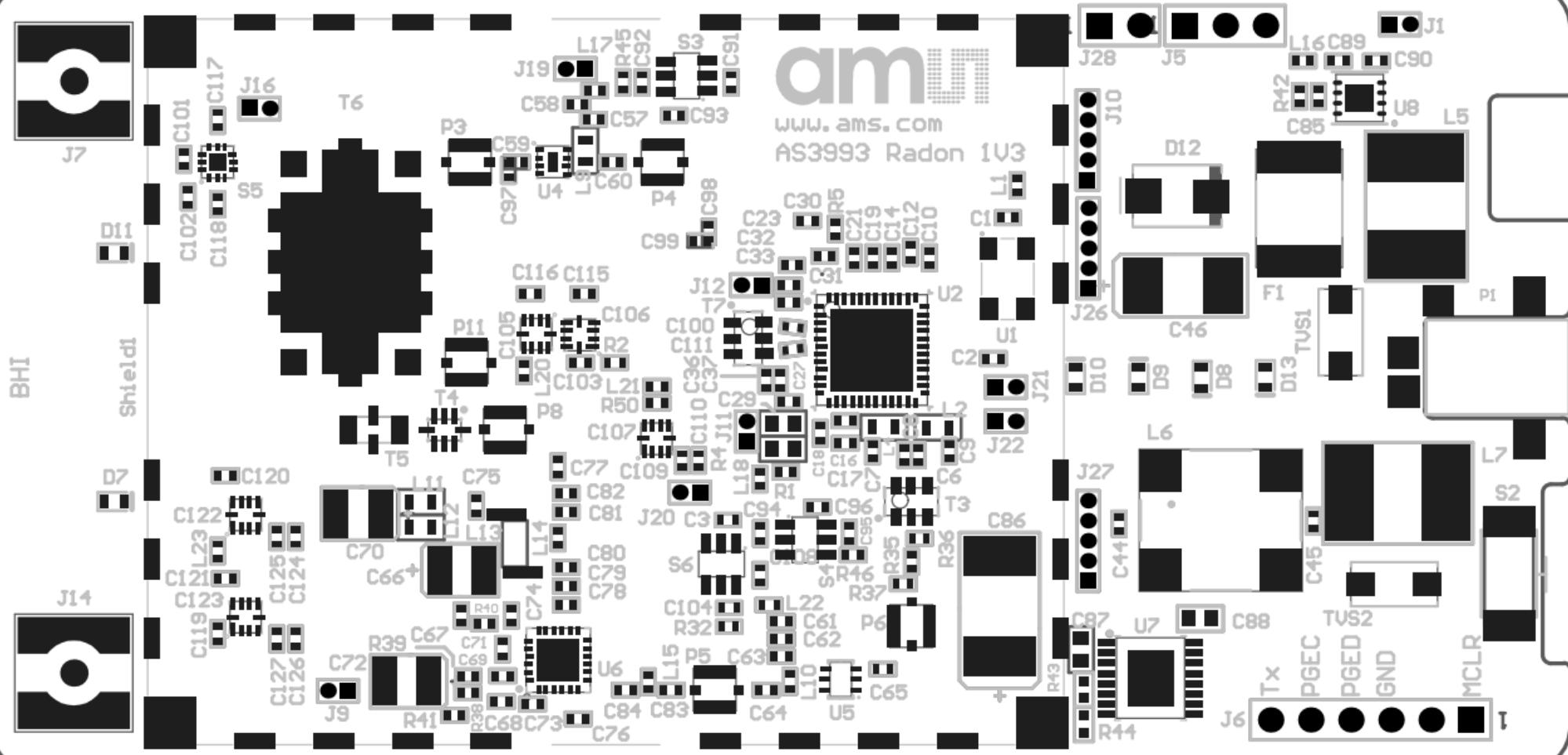




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