

Title			UHF Communication Board - ADF7030-1	
Size	Number		Revision	
A4				
Date:	31-03-2024		Sheet	of
File:	D:\NanoSat\...\ADF7030_1_UHF_RFIC_SchDoc		Drawn By:	Dhruva Anantha Datta - SC18B095

A

B

C

D

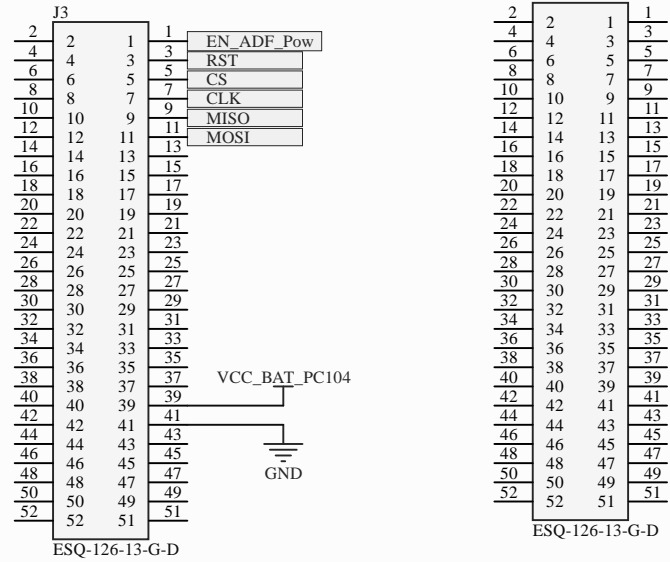
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B

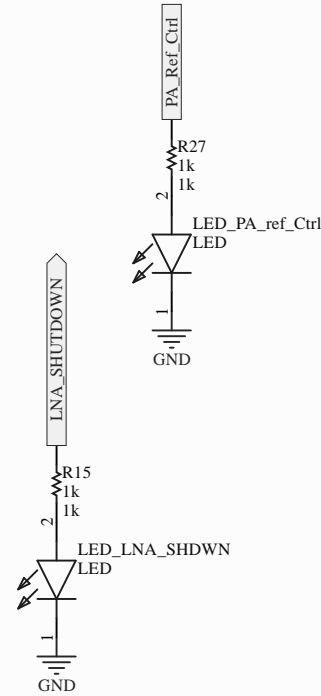
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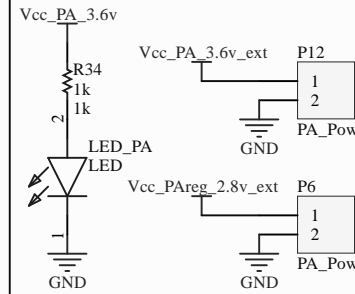
PC104



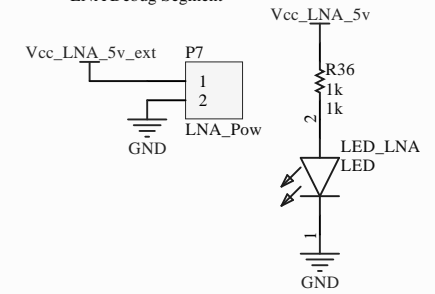
GPIO Debug Setup



Power Amplifier Debug Segment

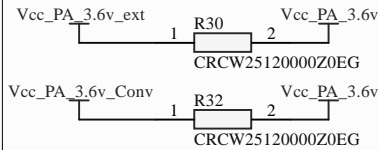


LNA Debug Segment

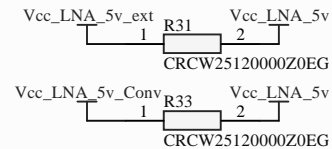


Jumper For Alternative Power

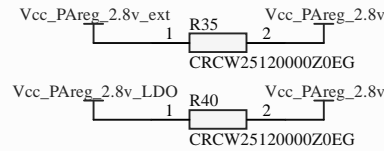
Power Amp Power Zero Ohm Test Setup



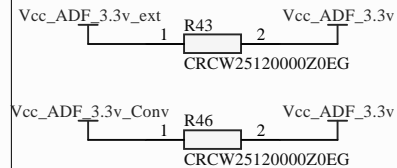
LNA Power Zero Ohm Test Setup



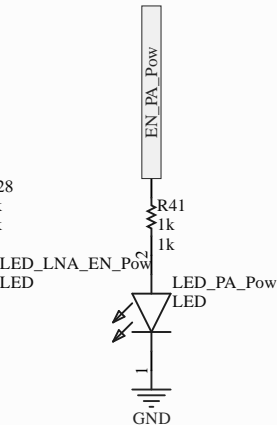
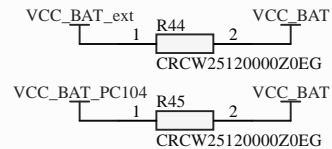
Power Amp Reference Test Setup



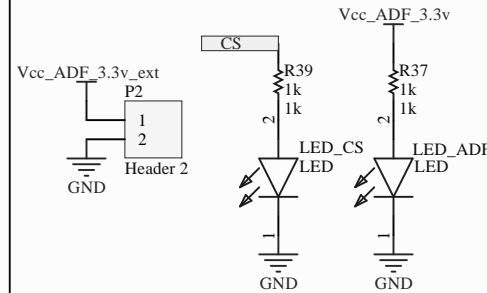
ADF Power Zero Ohm Setup



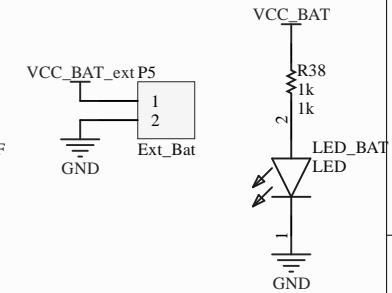
Battery Power Zero Test Setup



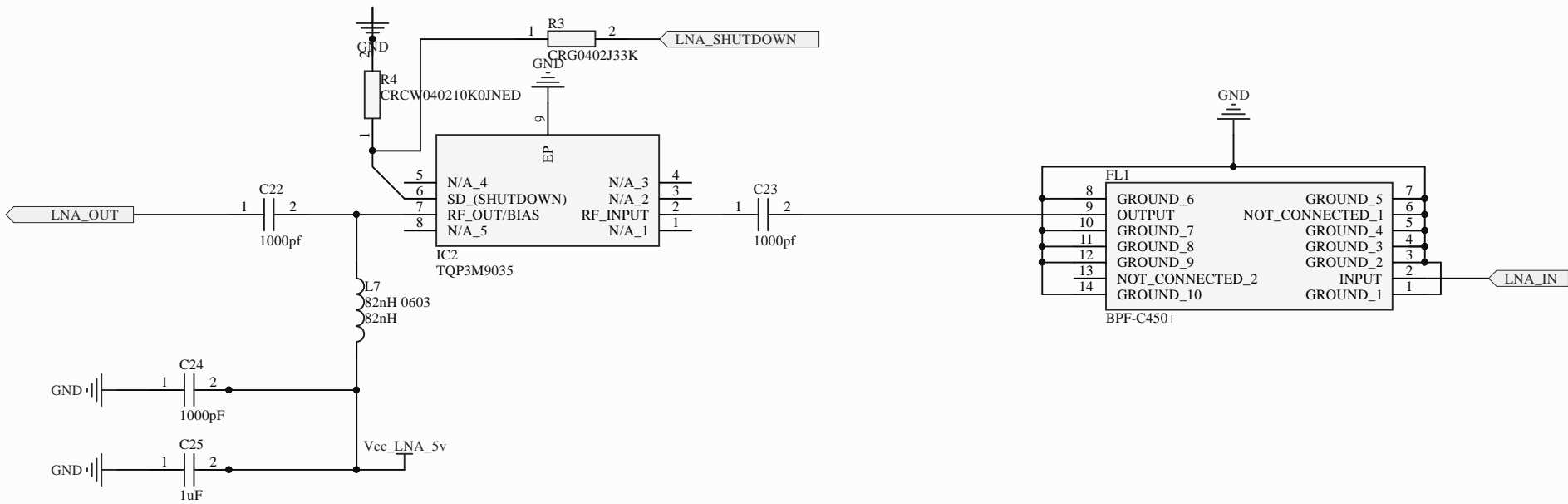
ADF7030-1 Debug Segment



Battery Debug Segment



Title		
UHF Communication Board - Debug Connectors		
Size	Number	Revision
A4	5	1
Date:	31-03-2024	Sheet of
File:	D:\NanoSat\...\Debug_connectors.SchDoc	Drawn By: Dhruva Anantha Datta - SC18B095



Title			
UHF Communication Board - LNA and BPF			
Size	Number		Revision
A4	1		
Date:	31-03-2024		Sheet of
File:	D:\NanoSat\..\\LNA_TQP3M9035_and_BPF_Sch.Dwg		Dhruva Anantha Datta - SC18B095

A

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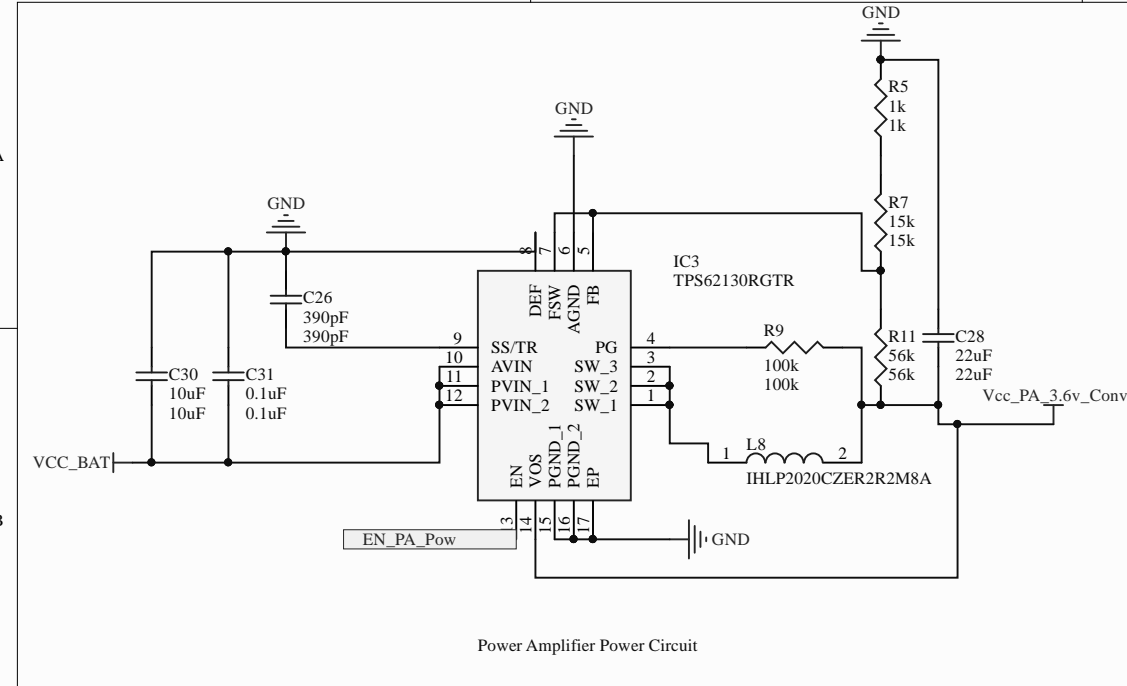
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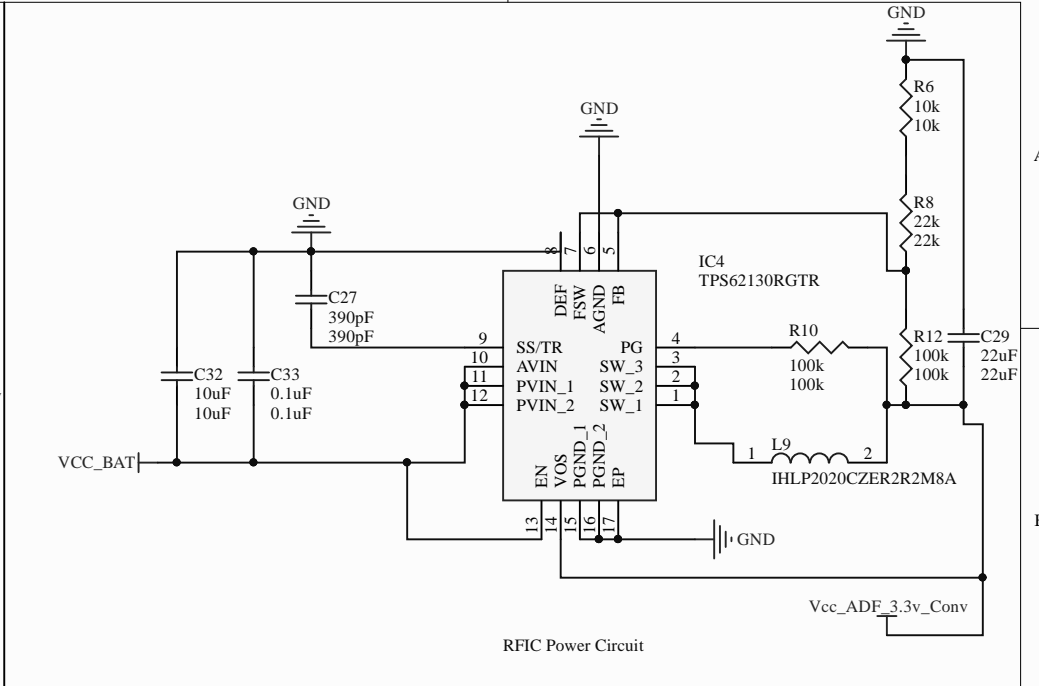
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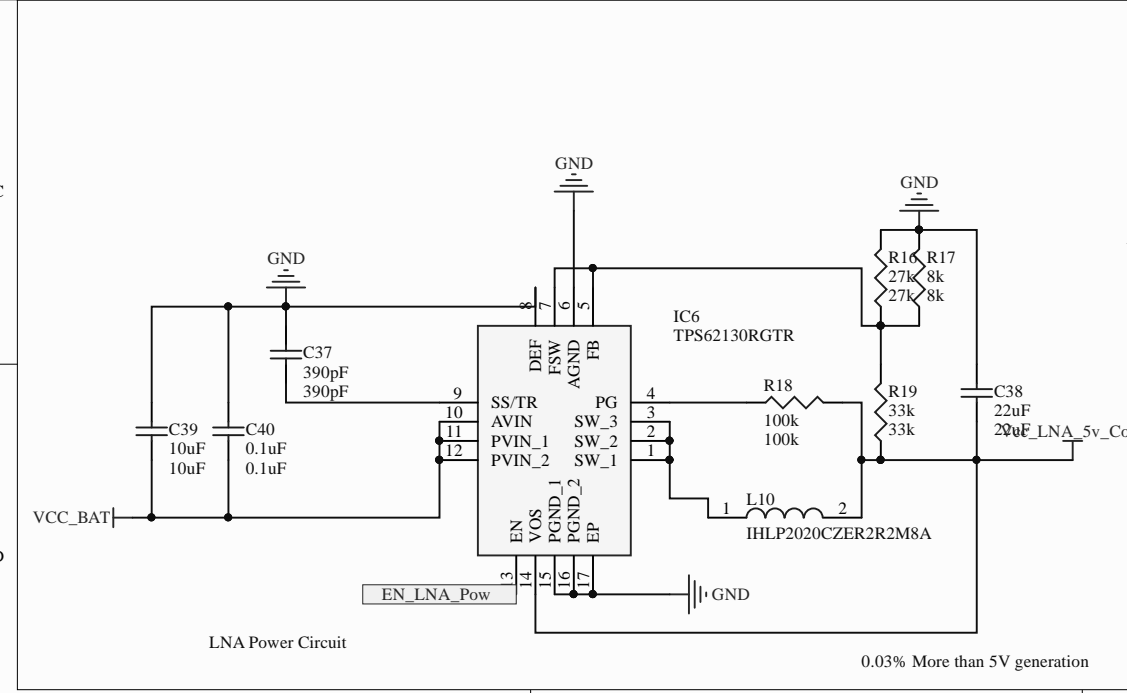
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Power Amplifier Power Circuit

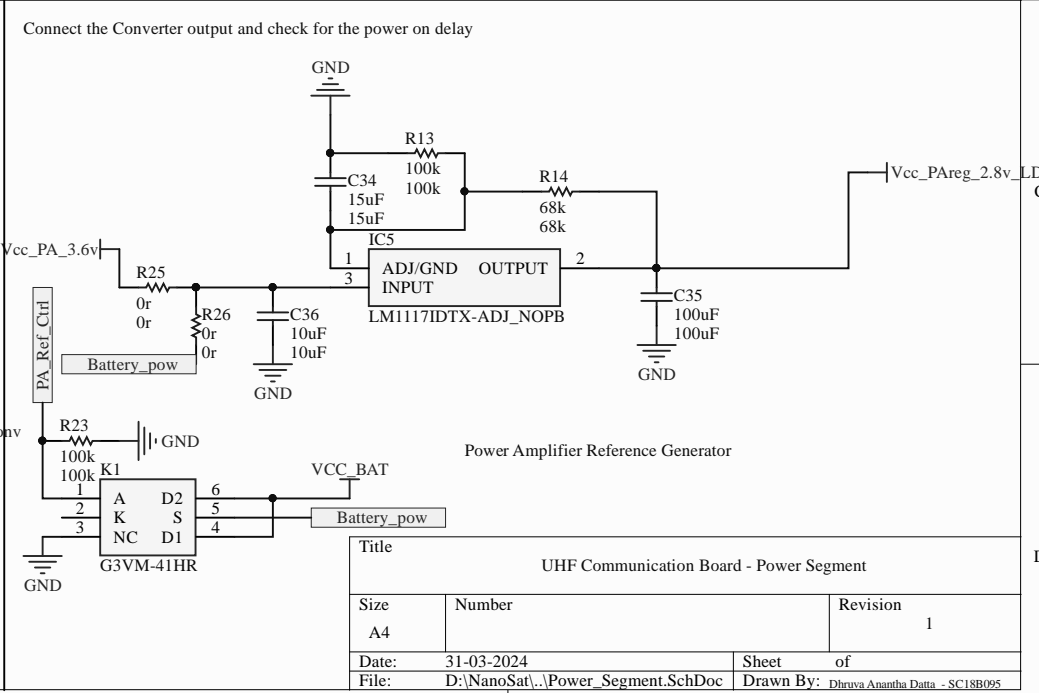


RFIC Power Circuit



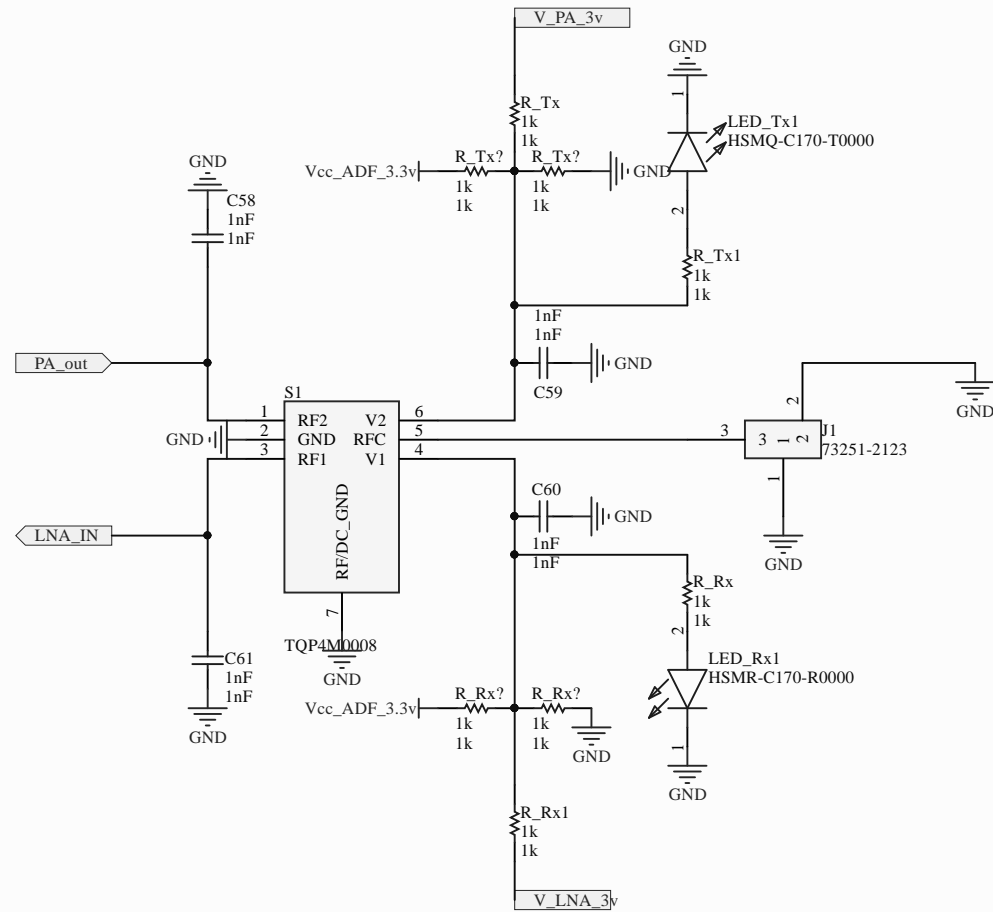
LNA Power Circuit

0.03% More than 5V generation



Power Amplifier Reference Generator

UHF Communication Board - Power Segment		
Size	Number	Revision
A4		1
Date:	31-03-2024	Sheet of
File:	D:\NanoSat\...\Power_Segment.SchDoc	Drawn By: Dhruva Anantha Datta - SC18B095



Title			
UHF Communication Board -TxRx switch			
Size	Number		Revision
A4			
Date:	31-03-2024		Sheet of
File:	D:\NanoSat\..TxRx_Switch.SchDoc		Drawn By: Dhruva Anantha Datta - SC18B095