
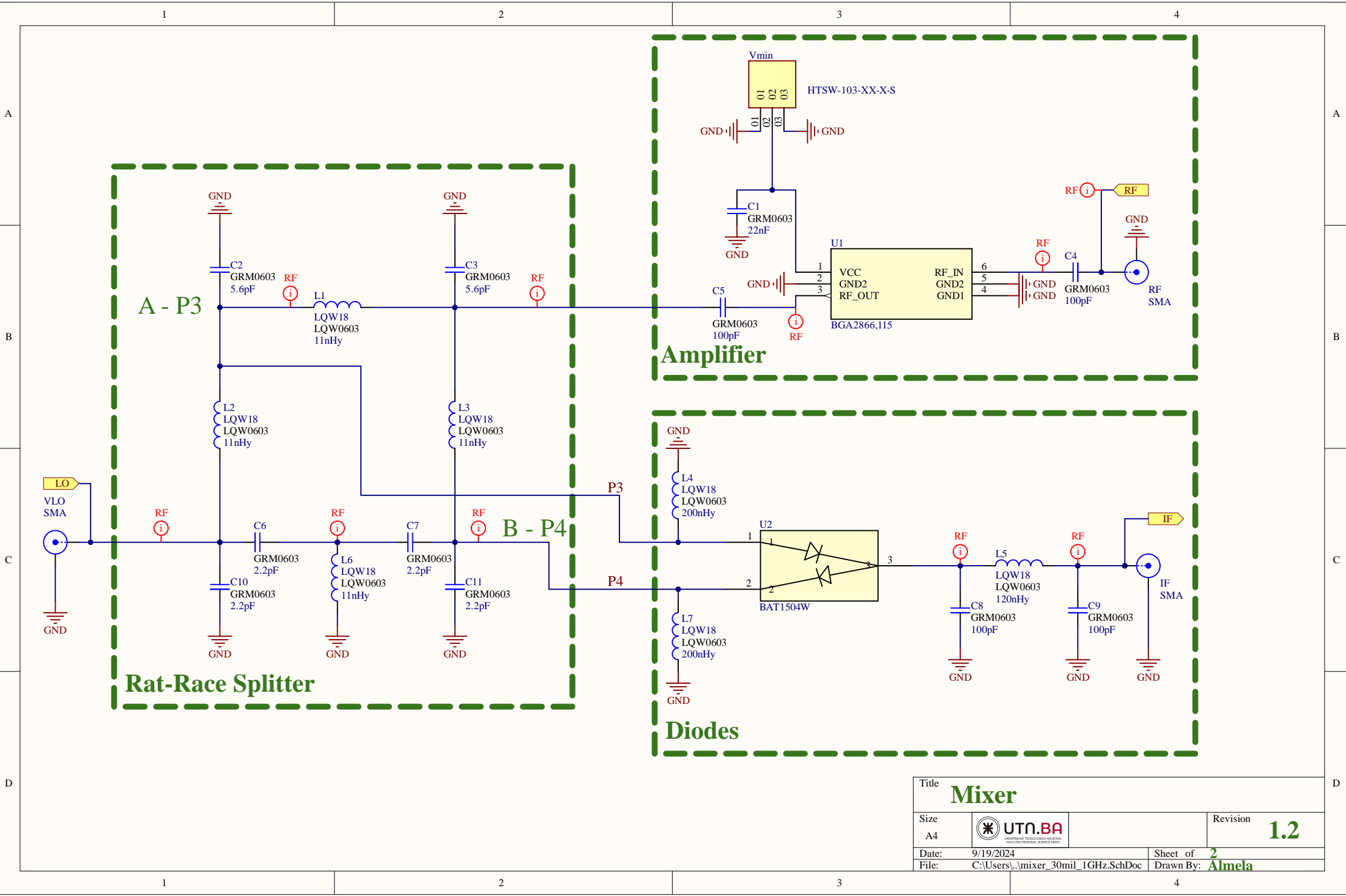

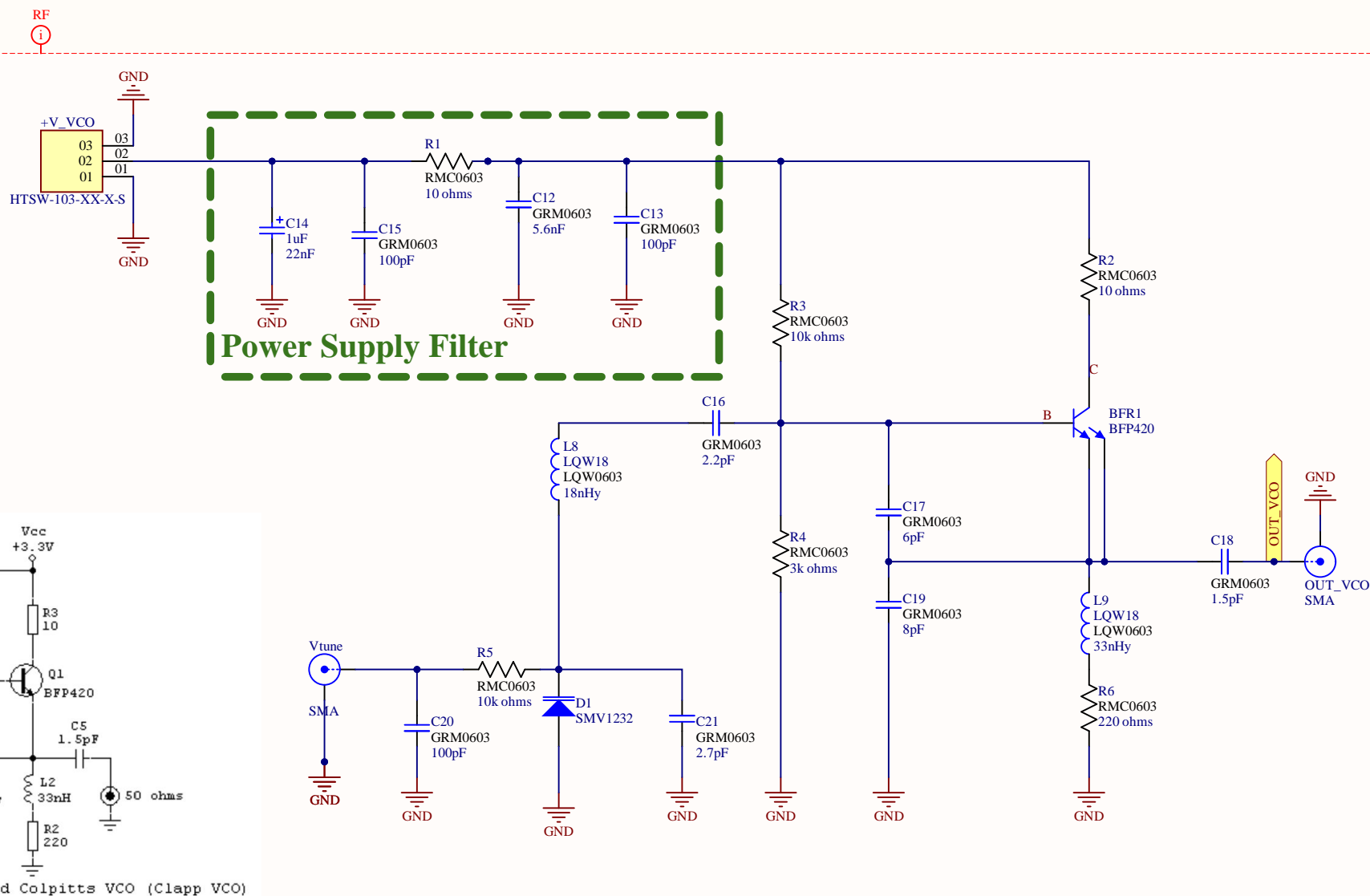



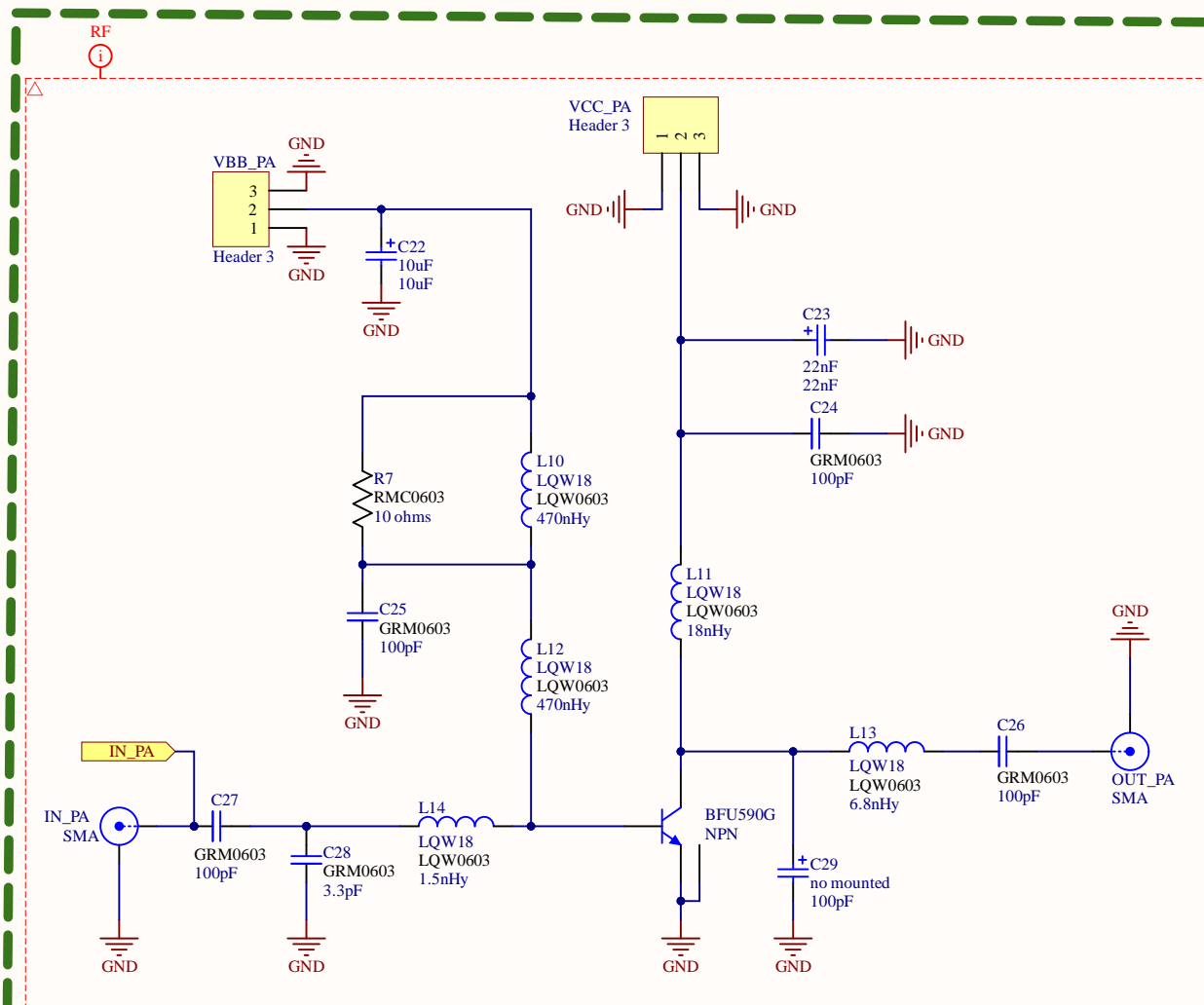
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RADAR			
Size	 <small>UNIVERSIDAD TECNOLÓGICA NACIONAL FACULTAD REGIONAL BUENOS AIRES</small>	Revision	
A4		1.2	
Date:	9/19/2024	Sheet of	1
File:	C:\Users\...\Completo.SchDoc	Drawn By:	Almela



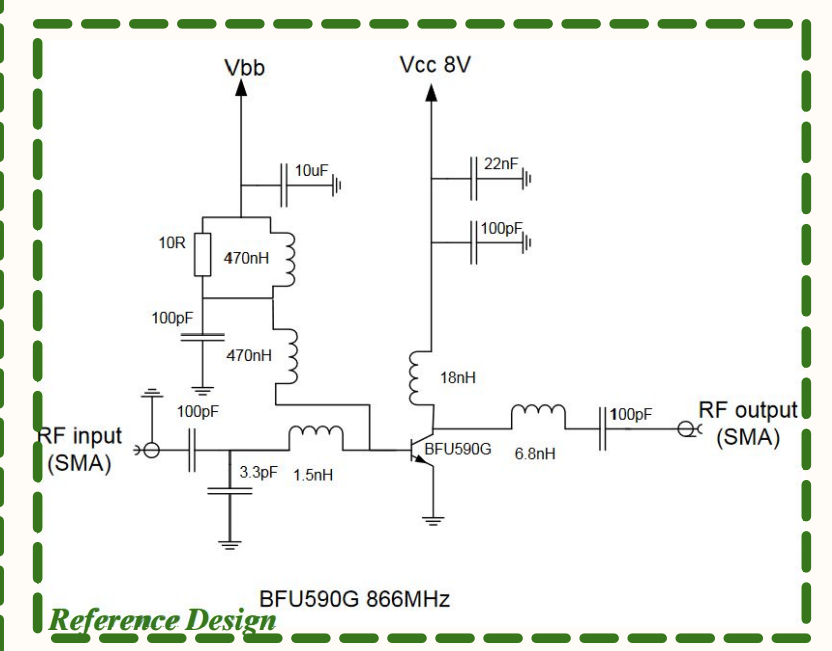
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Mixer			
Size	 UNIVERSIDAD TECNOLÓGICA NACIONAL FACULTAD DE INGENIERÍA ELÉCTRICA	Revision	
A4		1.2	
Date:	9/19/2024	Sheet of	2
File:	C:\Users\...\mixer_30mil_1GHz.SchDoc	Drawn By:	Almela



Title		Voltage Controlled Oscillator	
Size	A4	 <small>UNIVERSIDAD TECNOLÓGICA NACIONAL FACULTAD REGIONAL BUENOS AIRES</small>	Revision 1.2
Date:	9/19/2024		Sheet of 3
File:	C:\Users\...\VCO_BFP420.SchDoc		Drawn By: Alemila

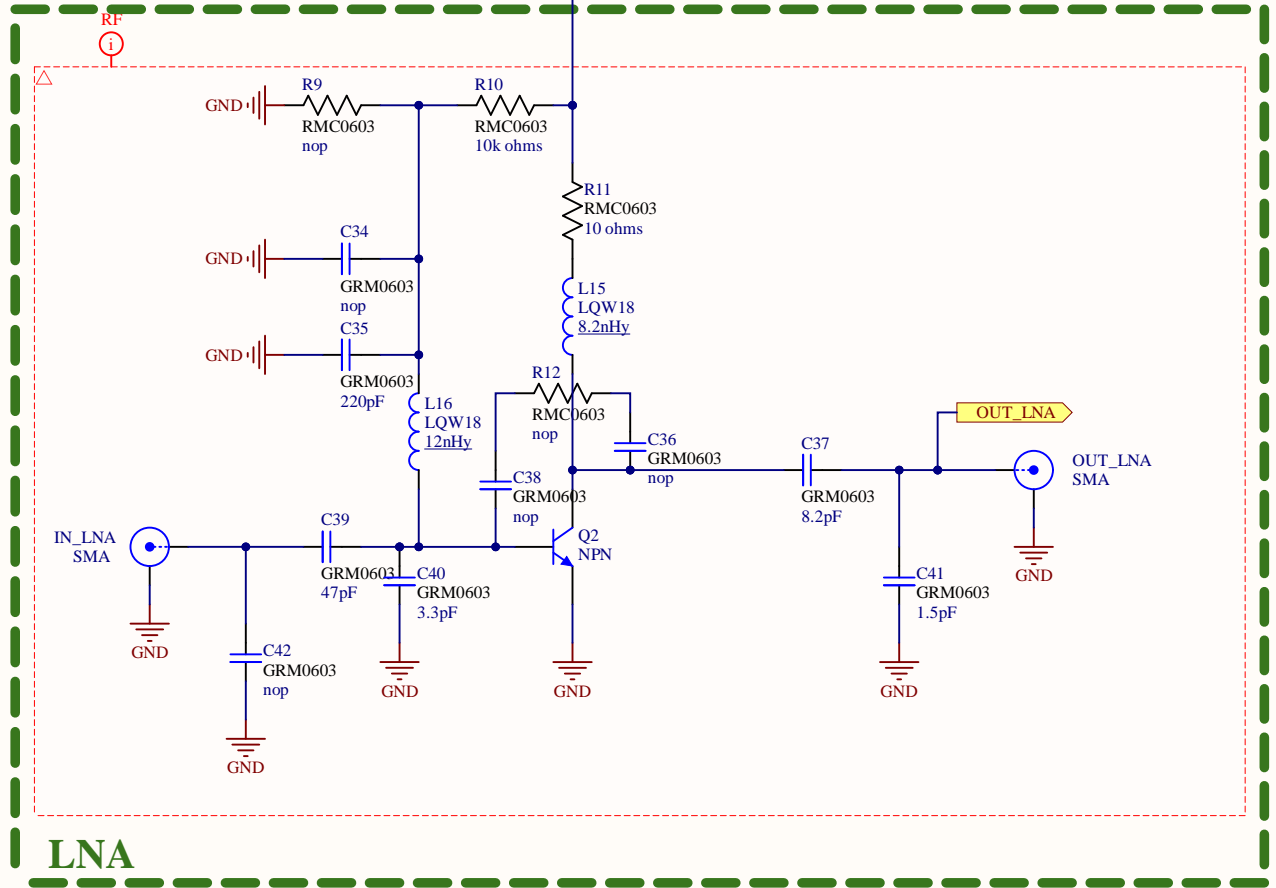
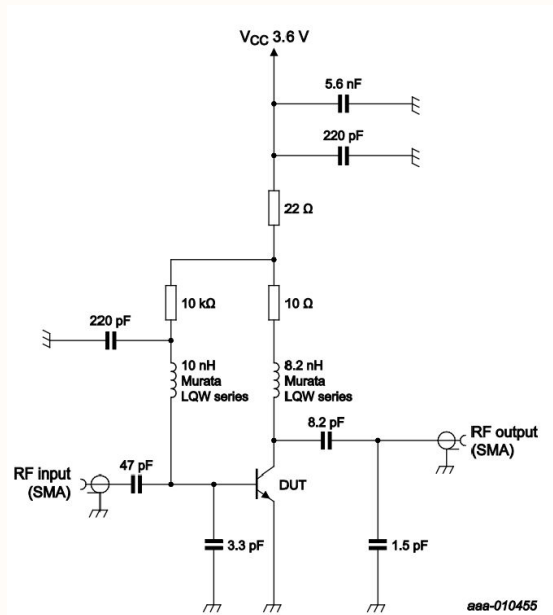
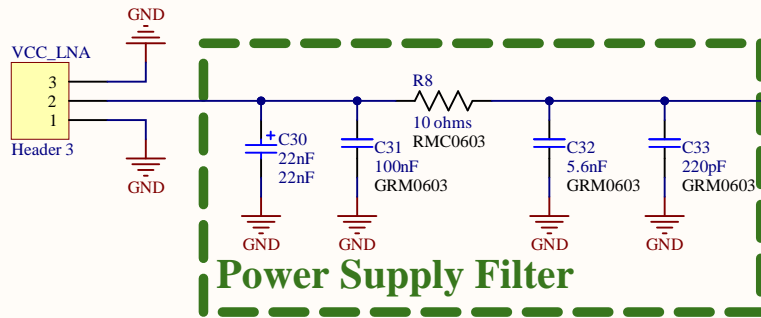


Power Amplifier

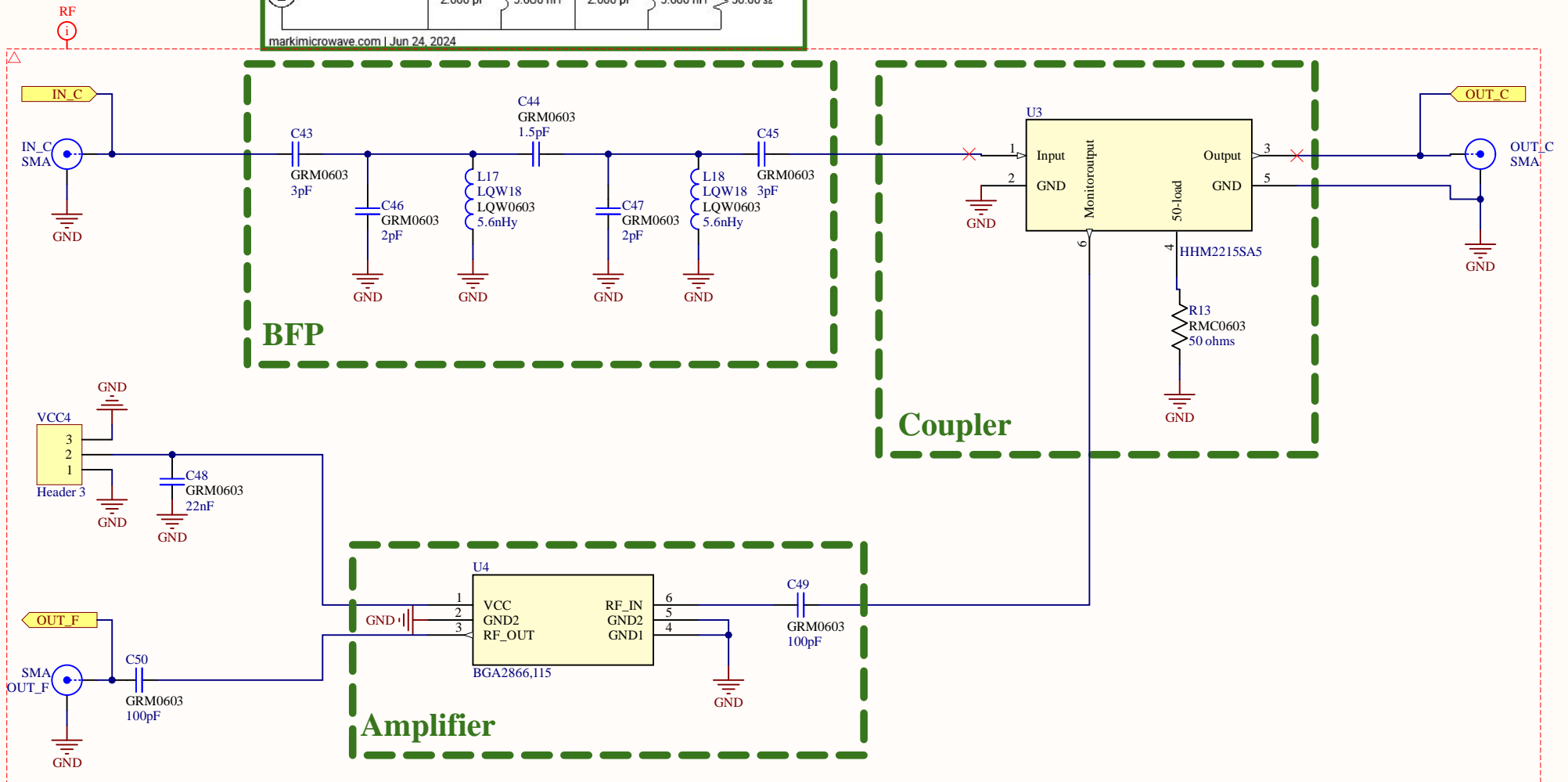
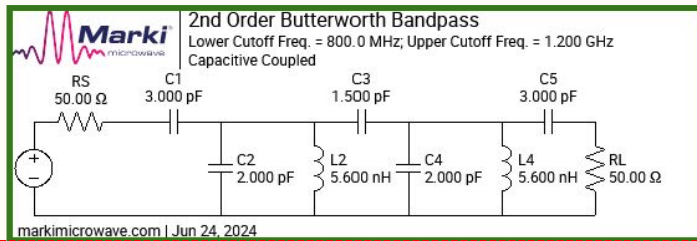


Reference Design

Title			
Power Amplifier			
Size	UTN.BA UNIVERSIDAD TECNOLÓGICA NACIONAL FACULTAD REGIONAL BUENOS AIRES	Revision	
A4		1.2	
Date:	9/19/2024	Sheet of	4
File:	C:\Users\...\PowerAmplifier_BFU590G.Sch Drawn By: Almela		



Title		Low Noise Amplifier	
Size	A4	UTN.BA	Revision
Date:	9/19/2024	Sheet of	5
File:	C:\Users\...\LNA_BFU550.SchDoc	Drawn By:	Almela



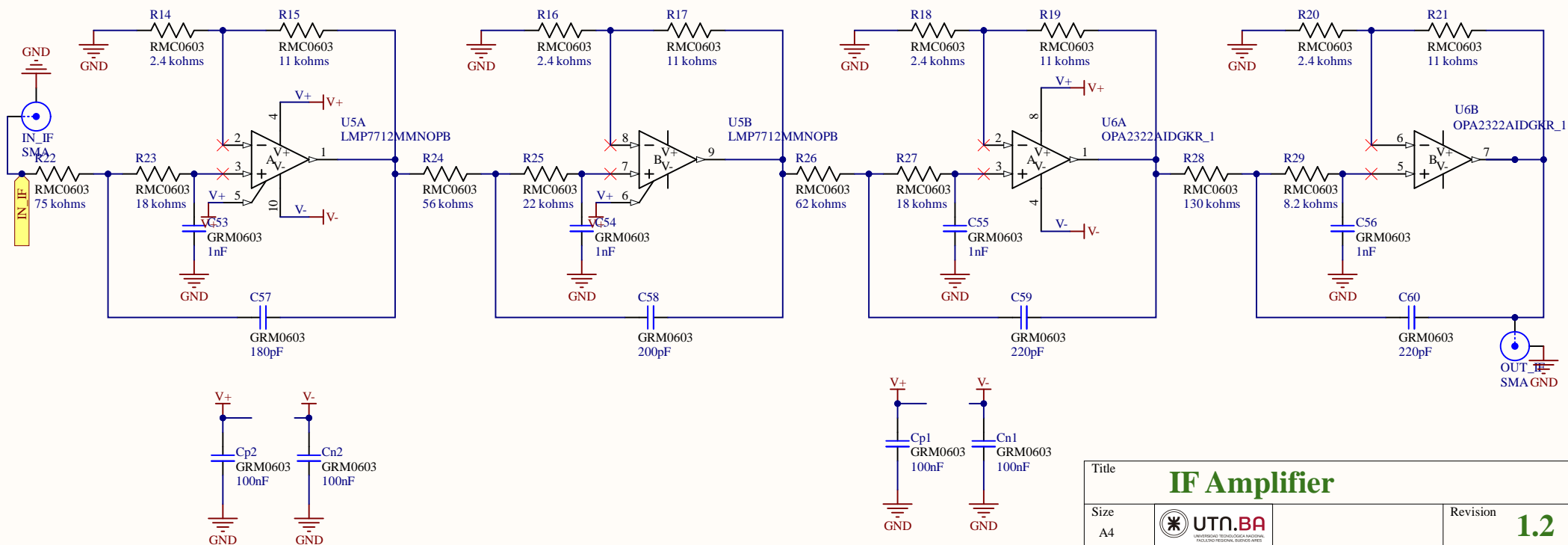
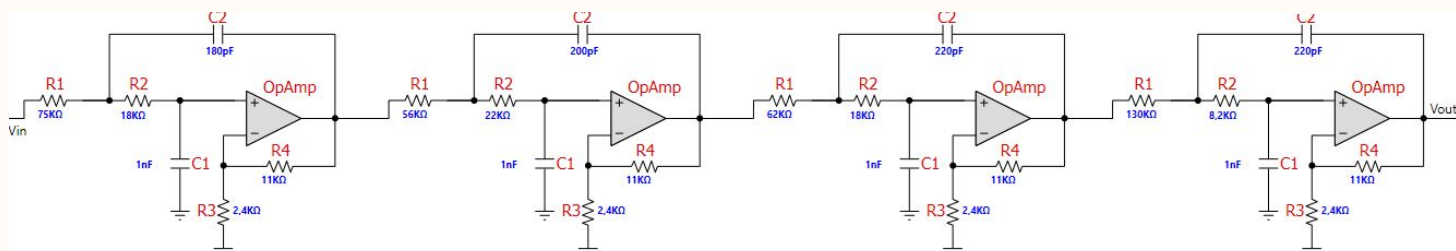
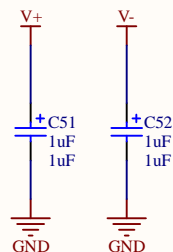
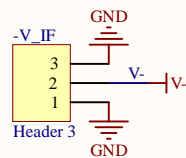
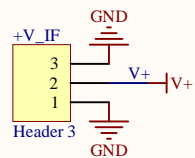
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Size	UTN.BA UNIVERSIDAD TECNOLÓGICA NACIONAL FACULTAD REGIONAL BUENOS AIRES	Revision	
A4		1.2	
Date:	9/19/2024	Sheet of	6
File:	C:\Users\...\Directional_Coupler.SchDoc	Drawn By:	Almela


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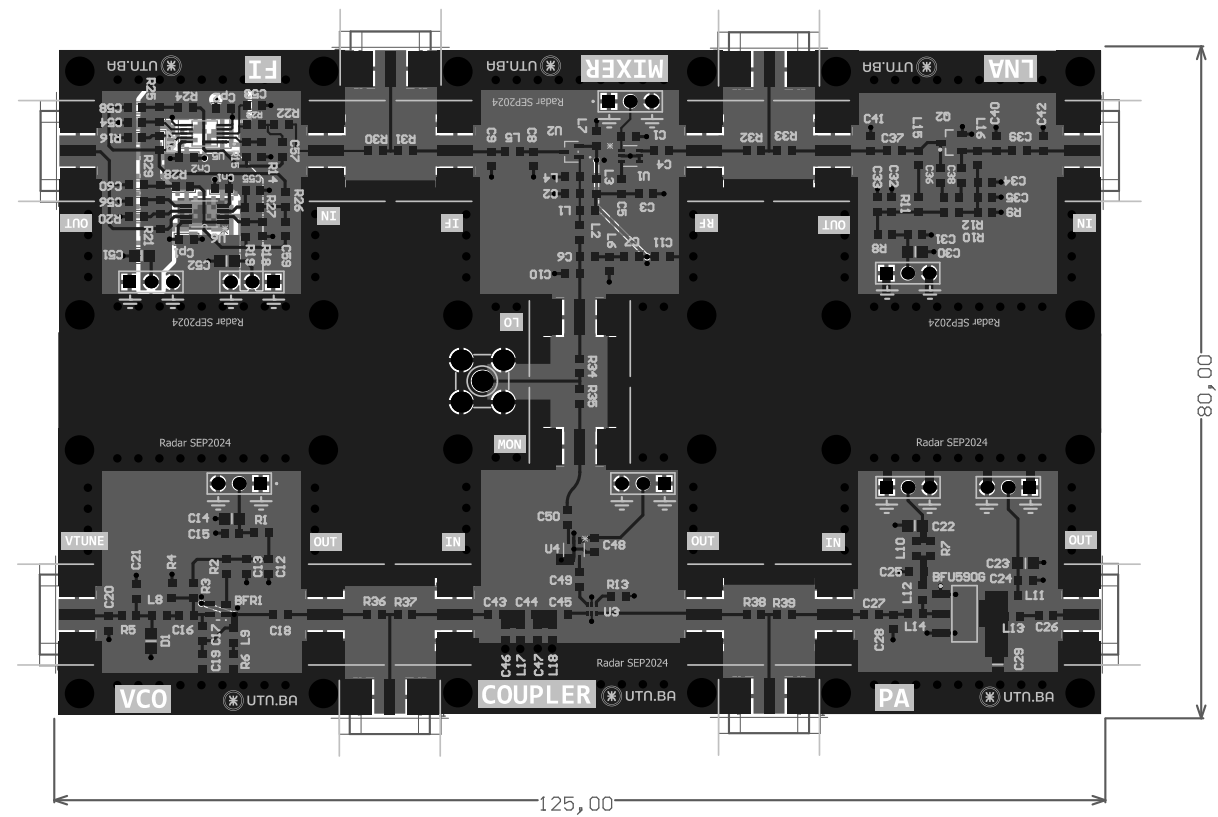
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Size A4			Revision 1.2
Date:	9/19/2024	Sheet of	7
File:	C:\Users\...\Amp_IF.SchDoc	Drawn By:	Almela

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Layer	Name	Material	Thickness	Constant	
	Top Overlay				
	Top Solder	SM-001	0,025mm	4	
	Top Surface Finish	Lead-Free	0,020mm		
1	Top Layer - RF	Copper	0,035mm		
	Prepeg 1	PP-006	0,210mm	4.4	
2	Layer 1 - GND	CF-004	0,018mm		
	Dielectric 1	FR4	1,065mm	4.6	
3	Layer 2 - GND	CF-004	0,018mm		
	Prepeg 2	PP-006	0,210mm	4.4	
4	Bottom Layer - PWR	Copper	0,035mm		
	Bottom Surface Finish	Lead-Free	0,020mm		
	Bottom Solder	SM-001	0,025mm	4	
	Bottom Overlay				

Board Stack Report