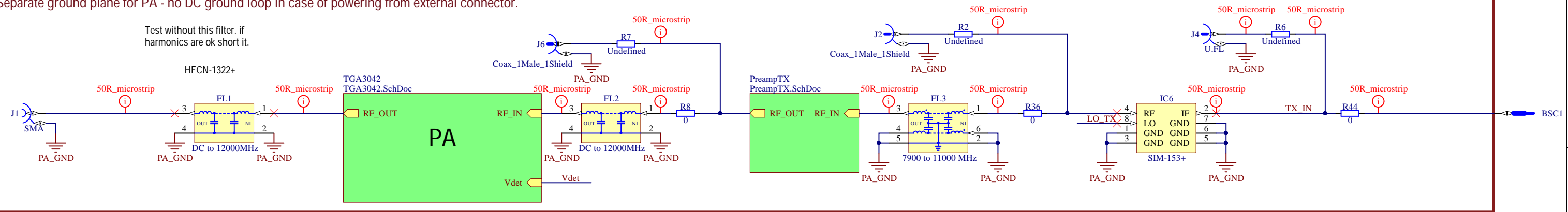
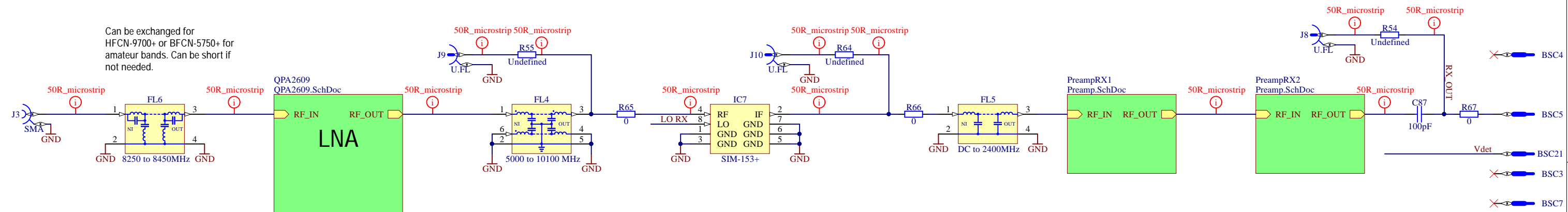


Separate ground plane for PA - no DC ground loop in case of powering from external connector.

Test without this filter. if harmonics are ok short it.



Can be exchanged for HFCN-9700+ or BFCN-5750+ for amateur bands. Can be short if not needed.

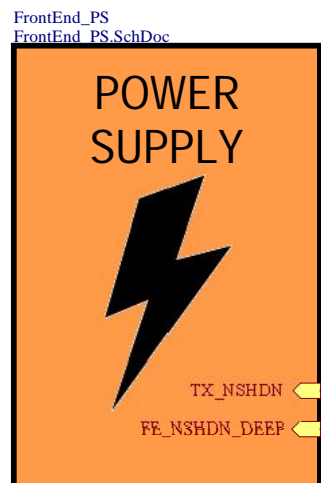


INFO:
-due to filters used frontend shall operate with quite high IF 2GHz
LO FREQ can be adjusted from 4 to 8GHz (with component reassembly)

B9 SH
B8 SH
B31 SH
B16 SH
B5 SH
B11 SH
B15 SH

GroundsCoupling
GroundsCoupling.SchDoc

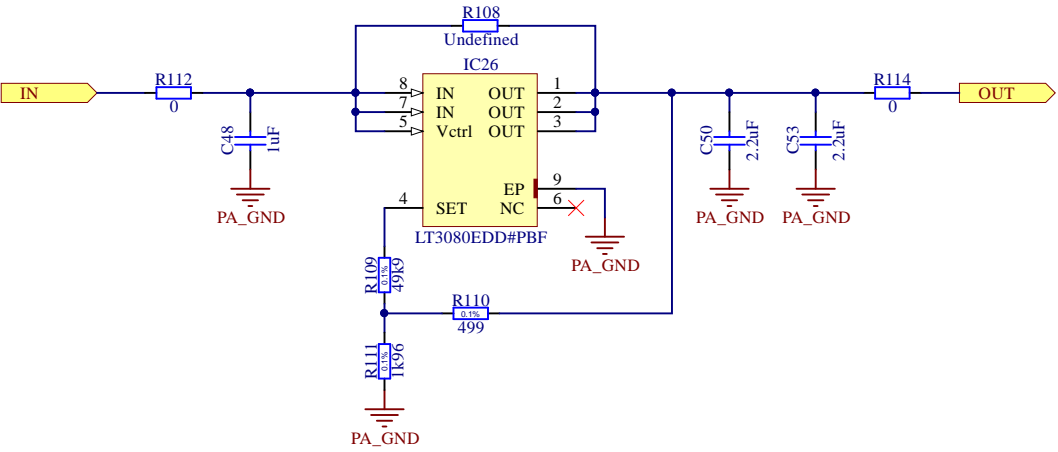
PLL
PLL.SchDoc




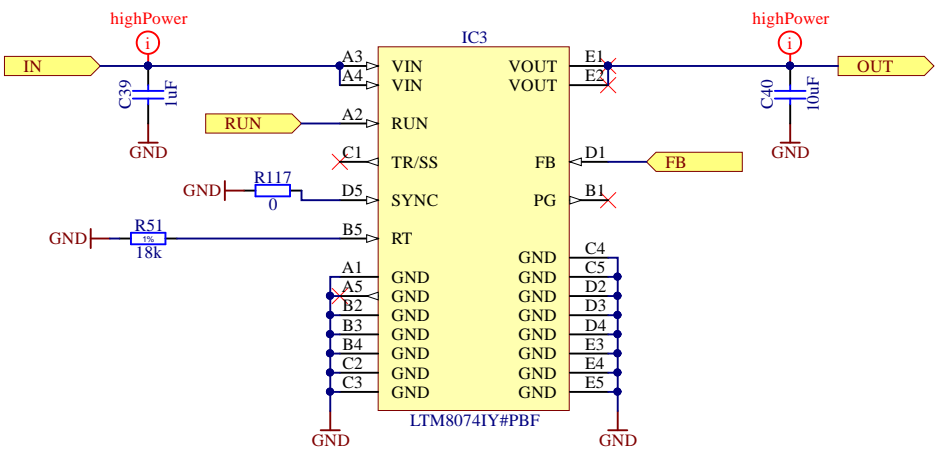
Note: for debugging purposes shutdown pins are disconnected from FMC

LNA_PD
TX_NSHDN
FE_NSHDN_DEEP
CR_NSHDN

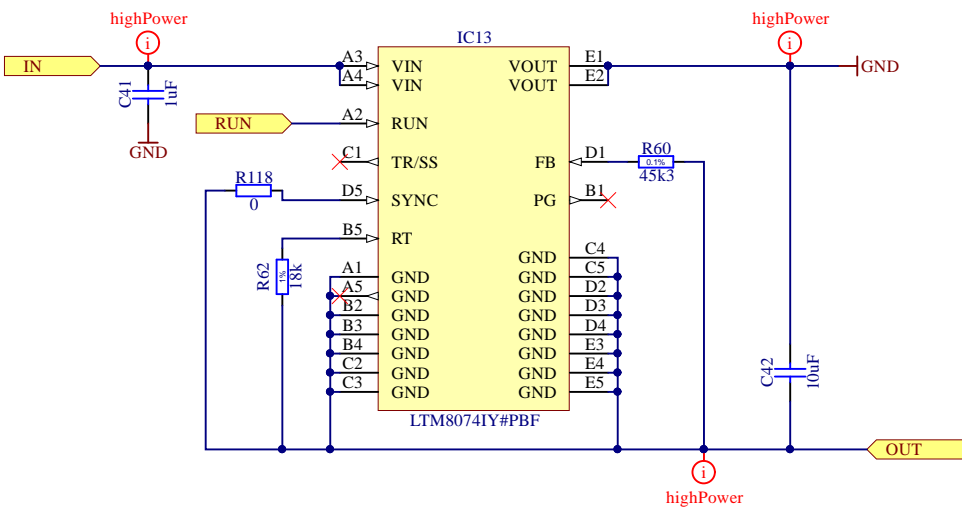
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FMC SDR Frontend Top Schematic		
European Organization for Nuclear Research CH-1211 Genève 23 - Switzerland		
EDA-XXXXX-VX-X		
Designer		Designer
Drawn by		DrawnBy
Check by		-
Last Mod.		26.02.2020
File		FrontEnd.SchDoc
Print Date		02.03.2020 08:01:08
Sheet		- of -
Size		A3
Rev		-



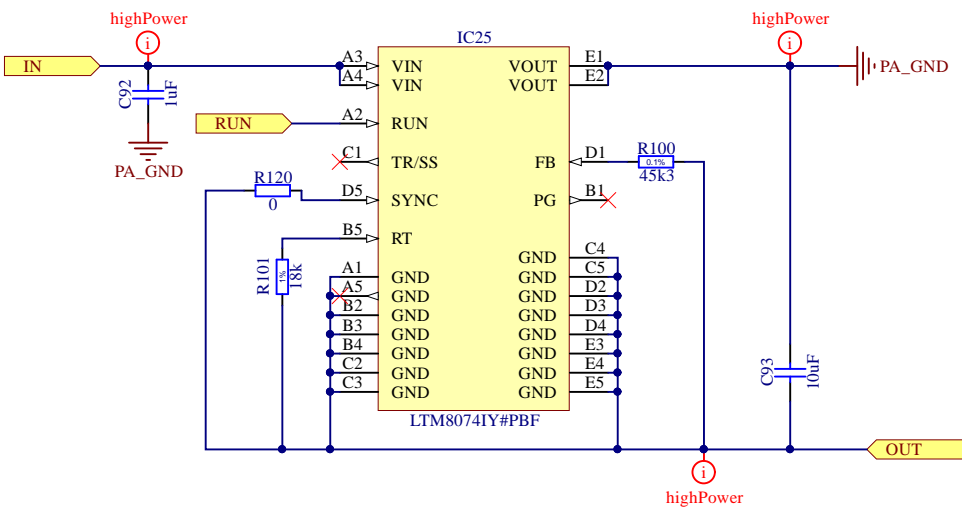
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European Organization for Nuclear Research CH-1211 Genève 23 - Switzerland		Size A3 Rev -
EDA-XXXXX-VX-X		




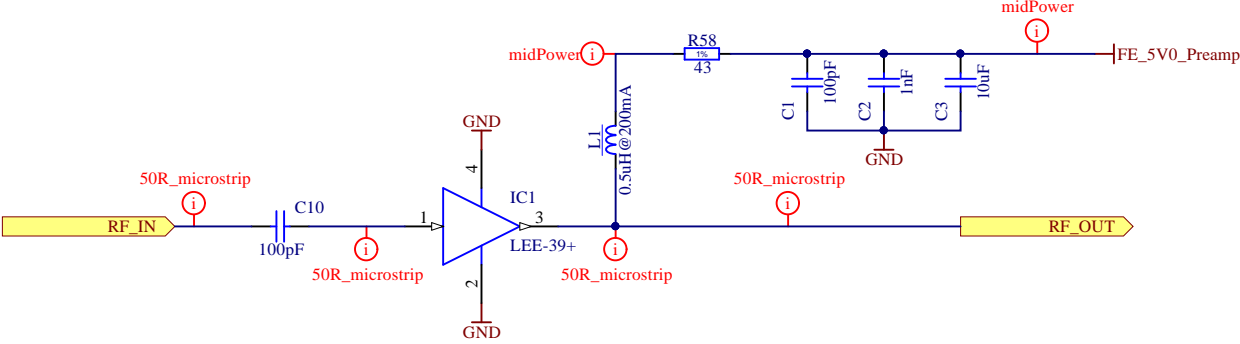
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		Rev	-



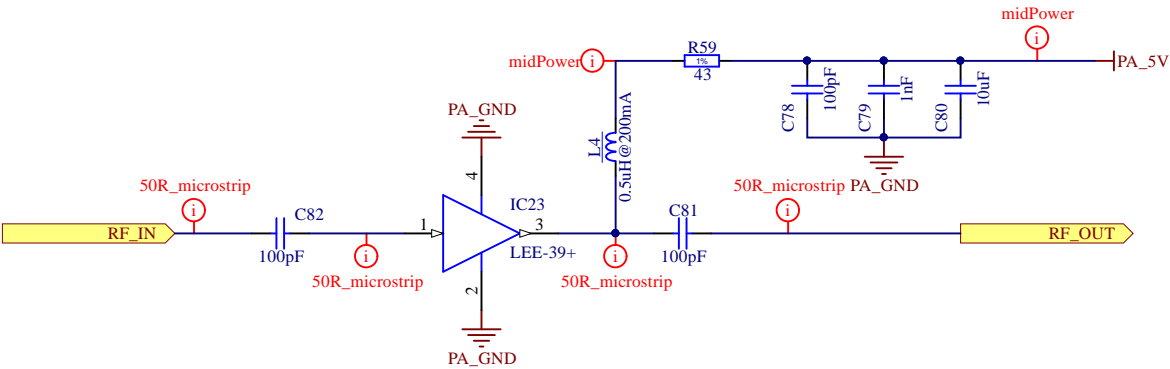
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	Designer	Designer
	Drawn by	DrawnBy
	Check by	-
	Last Mod.	-
<div>European Organization for Nuclear Research</div> <div>CH-1211 Genève 23 - Switzerland</div>	File	LTM8074neg.SchDoc
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		Rev -




Project/Equipment					
<div>Document</div> <div>TE/MPE</div> <div></div>	<div><i>FMC SDR Frontend</i></div> <div><i>LTM874 - negative, PA GND</i></div>		Designer	Designer	
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European Organization for Nuclear Research CH-1211 Genève 23 - Switzerland		EDA-XXXXX-VX-X		Size	A3
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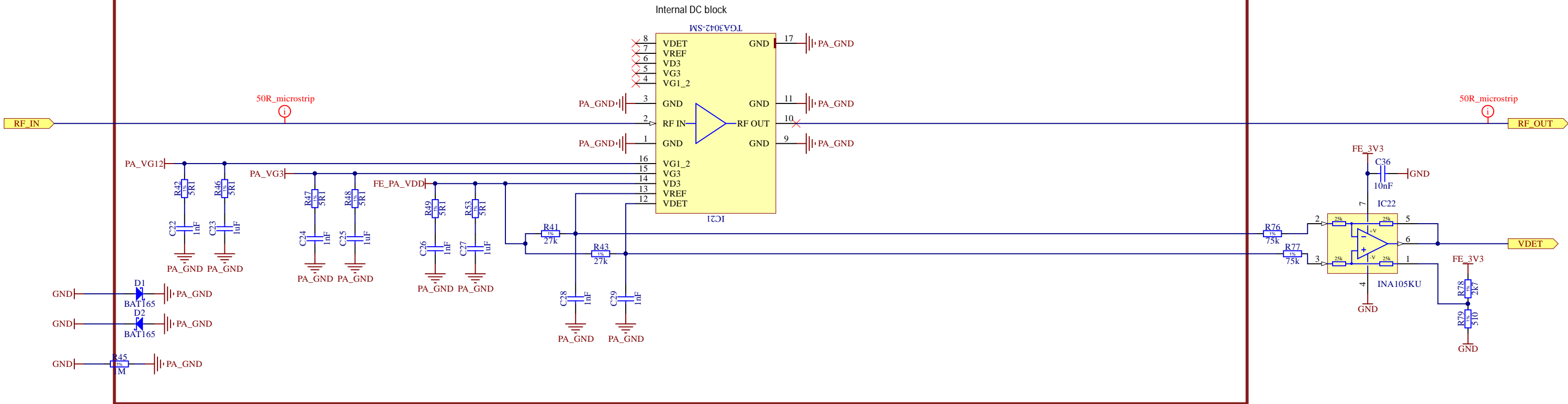


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Project/Equipment -		
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Separate ground plane for PA - no DC ground loop in case of powering from external connector.



Project/Equipment		-	
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European Organization for Nuclear Research		EDA-XXXXX-VX-X	
CH-1211 Genève 23 - Switzerland			

**FMC SDR Frontend
Power Amplifier**