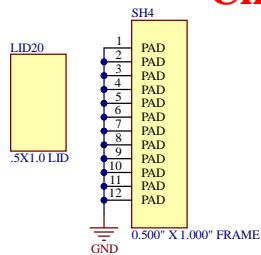
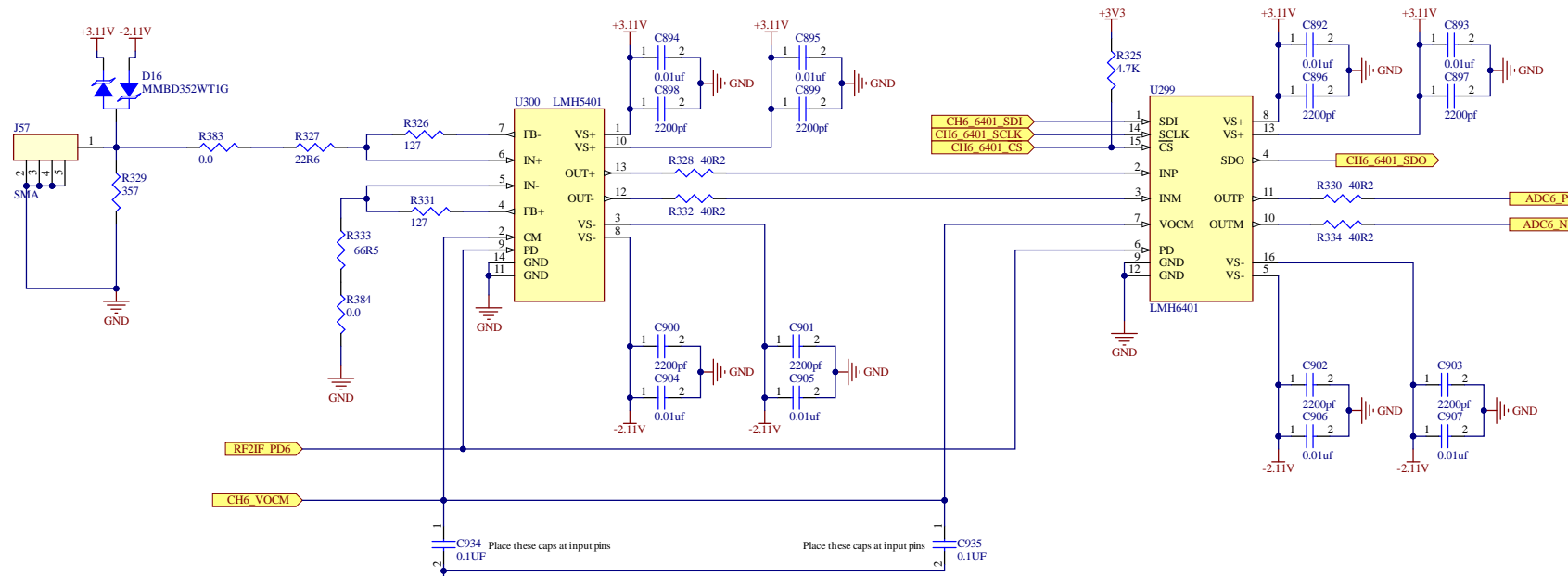


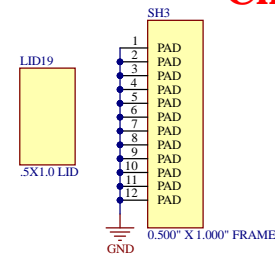
Chan 7 RF to IF DC Input Signal Path



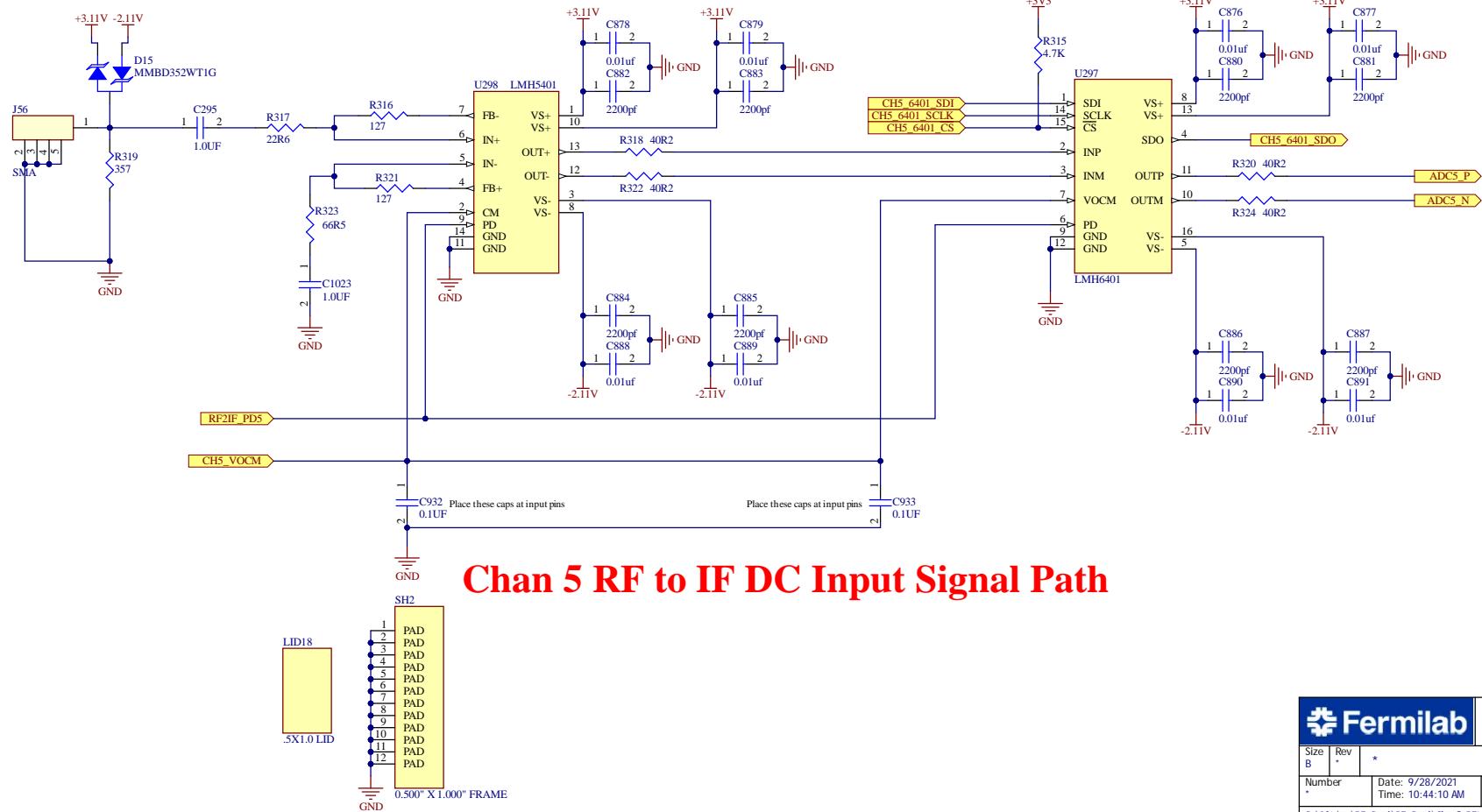
Fermilab		Operated by Fermi Research Alliance, LLC under Contract No. DE-AC02-07CH11359 with the United States Department of Energy.	
Size B	Rev *	ENGINEER: G. Cancelo/K. Treptow DRAWN: N. Wilcer	
Number *	Date: 9/28/2021 Time: 10:44:10 AM	Sheet 2 of *	CHECKED: * APPROVED: *
C:\Altium\RF_Gen4\RF_Gen4\Chan7_RFtoIF_DC_SchDoc			




Chan 6 RF to IF DC Input Signal Path



Fermilab		Operated by Fermi Research Alliance, LLC under Contract No. DE-AC02-07CH11359 with the United States Department of Energy.	
Size	Rev	*	
Number	Date: 9/28/2021 Time: 10:44:10 AM	Sheet 2 of *	ENGINEER: G. Cancelo/K. Treptow DRAWN: N. Wilcer CHECKED: * APPROVED: *
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 Fermilab			Operated by Fermi Research Alliance, LLC under Contract No. DE-AC02-07CH11359 with the United States Department of Energy.		
Size B	Rev *	*		ENGINEER:	G. Cancelo/K. Treptow
Number *	Date: 9/28/2021 Time: 10:44:10 AM	Sheet 2	of *	DRAWN:	N. Wilcer
				CHECKED:	
				APPROVED:	*
C:\Altium\RF_Gen4\RF_Gen4\Chan5_RFtoIF_DC_SchDoc					

Chan 3 RF to IF Input Signal Path



Operated by Fermi Research Alliance, LLC
under Contract No. DE-AC02-07CH11359
with the United States Department of Energy.

Size	Rev	*
C	1	
Number	Date: 9/28/2021	Sheet 2 of 2
Time: 10:44:10 AM	Checked: *	Approved: *
ENGINEER: G. Cangelosi/K. Treptow	DRAWN: N. Wilcox	

C:\Users\j\OneDrive\Documents\Chan3_RFtoIF_InputSignalPath.kicad_pcb 20200808

Chan 2 RF to IF Input Signal Path



Operated by Fermi Research Alliance, LLC
under Contract No. DE-AC02-07CH11359
with the United States Department of Energy.

Rev	Rev	Rev
1	2	3
Number	Date: 9/28/2021	Sheet 2 of 2
ENGINEER: G. Cangelosi/K. Treptow	CHECKED: N. Wilcox	APPROVED: *

C:\Users\j\OneDrive\Documents\Chan2_RFtoIF_InputSignalPath.kicad_sch: 20180208

Chan 1 RF to IF Input Signal Path



Operated by Fermi Research Alliance, LLC
under Contract No. DE-AC02-07CH11359
with the United States Department of Energy.

Sheet C	Rev *	+	ENGINEER: G. Cangelosi/K. Treptow DRAWN: N. Wilcox
Number *	Date: 9/28/2021 Time: 10:44:11 AM	Sheet 2 of 2	CHECKED: * APPROVED: *

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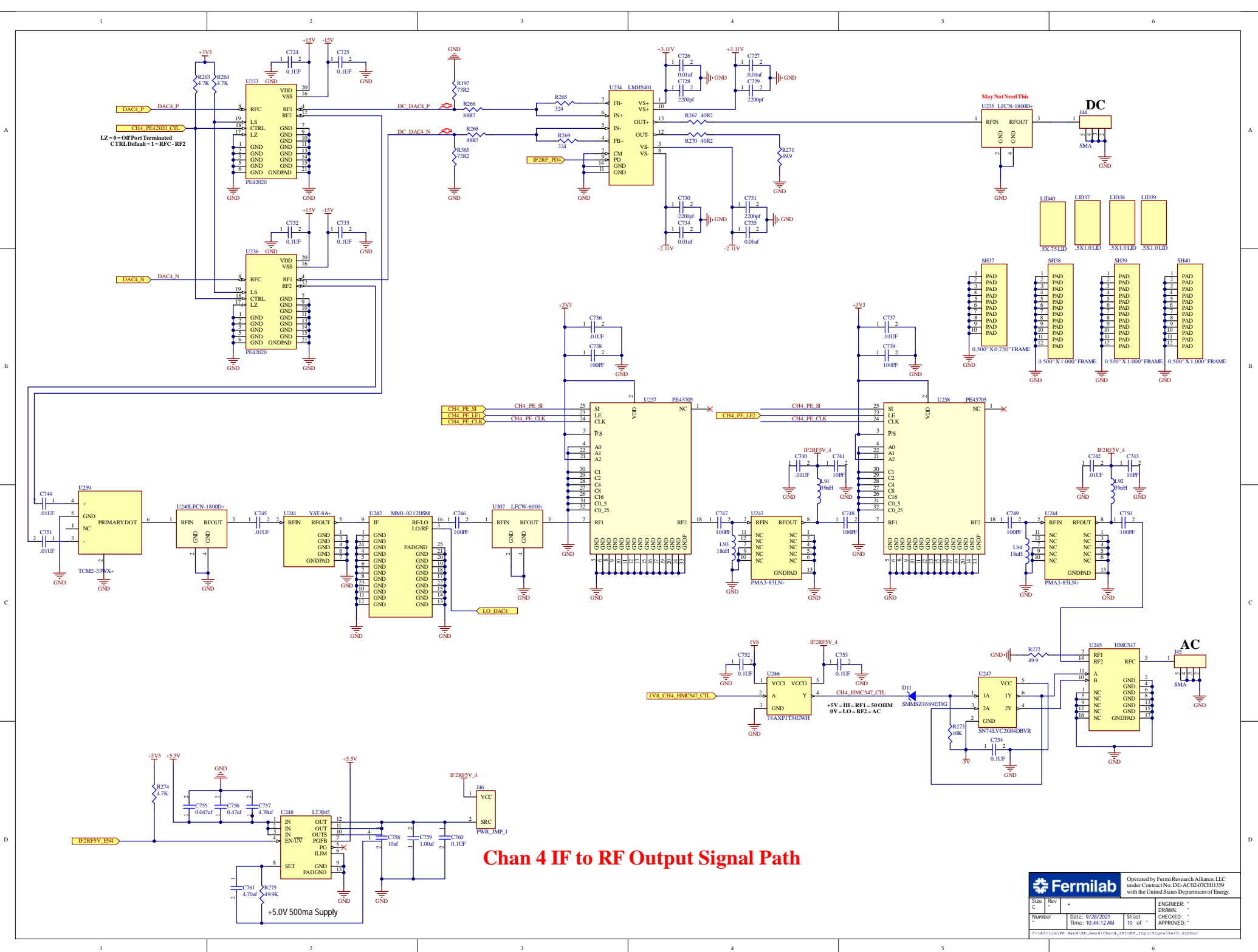
Chan 0 RF to IF Input Signal Path



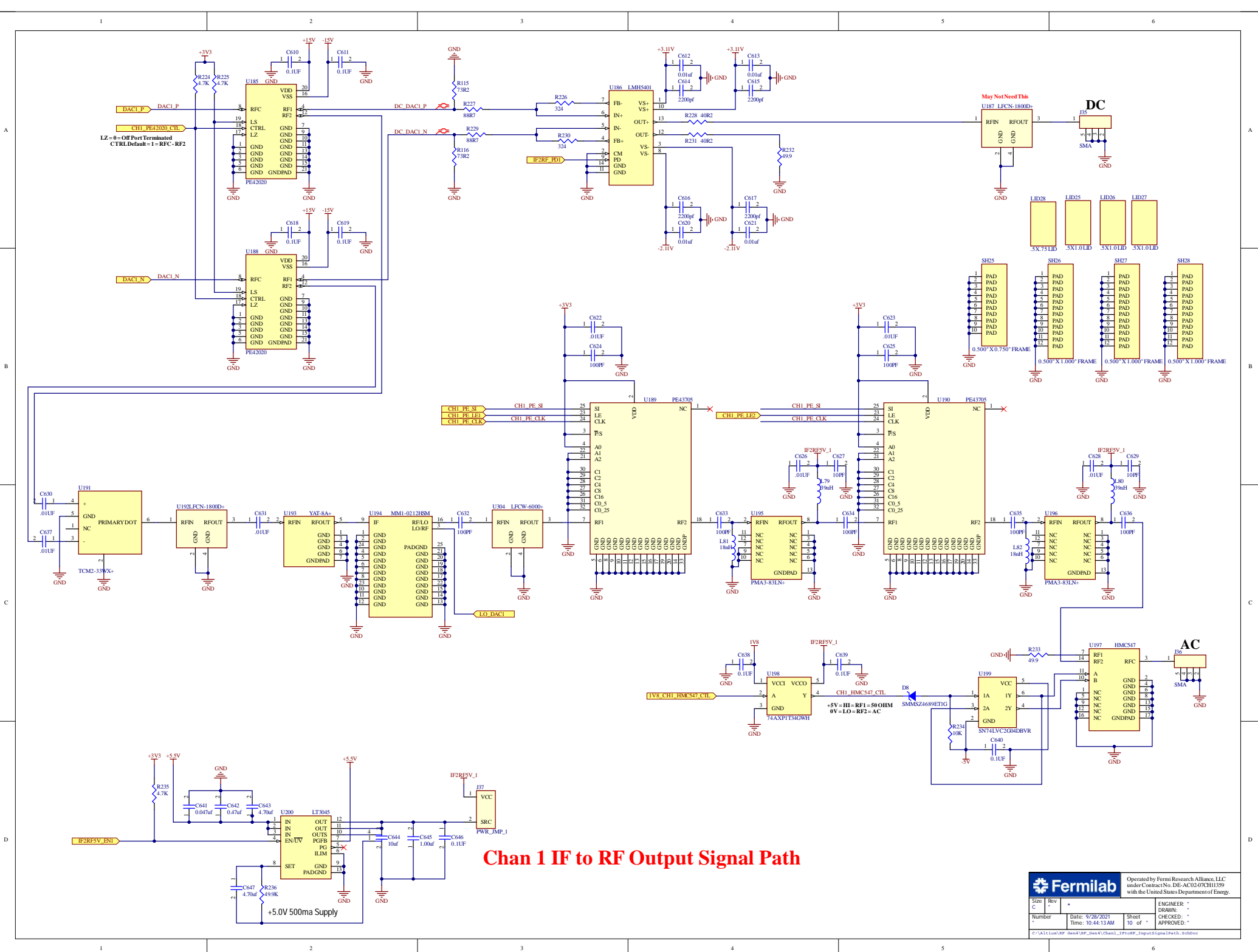
Operated by Fermi Research Alliance, LLC
under Contract No. DE-AC02-07CH11359
with the United States Department of Energy.

Size	Rev	*
Number	Date: 9/28/2021	Sheet 2 of 2
ENGINEER: G. Cangelosi/K. Treptow	DRAWN: N. Wilcox	CHECKED: *
APPROVED: *		

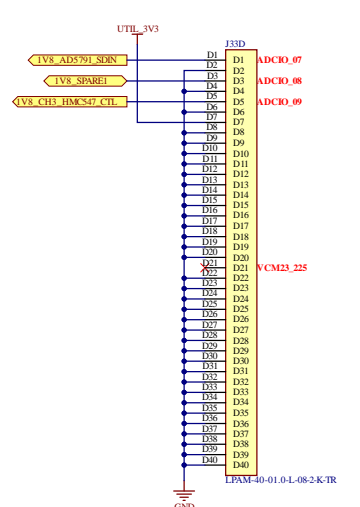
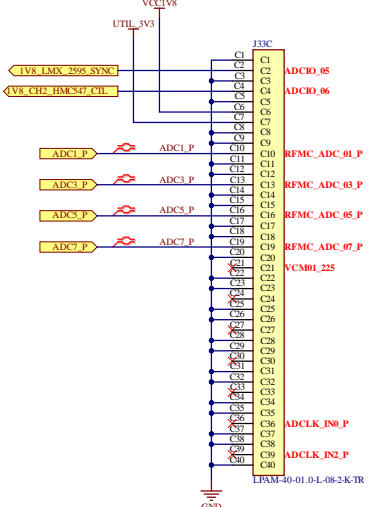
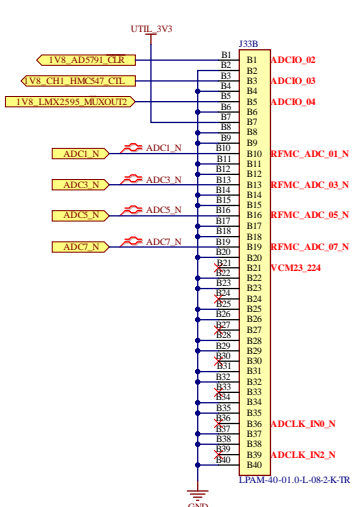
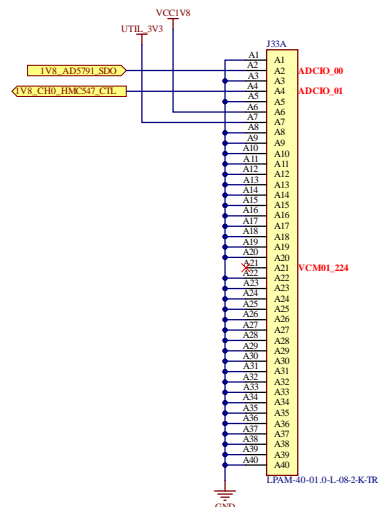
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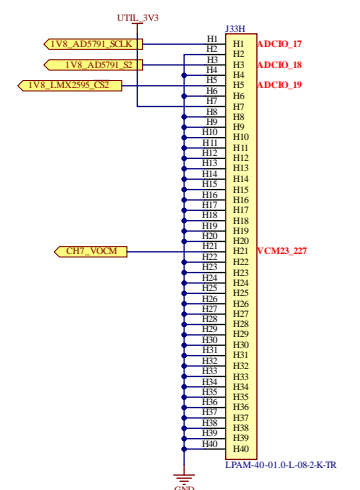
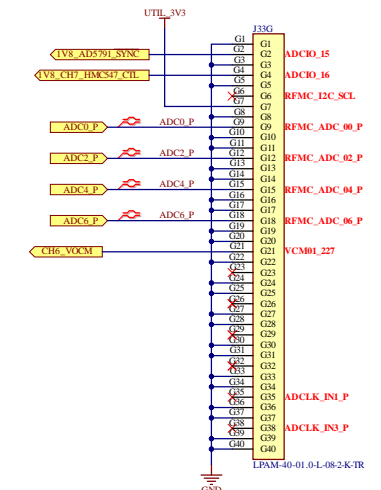
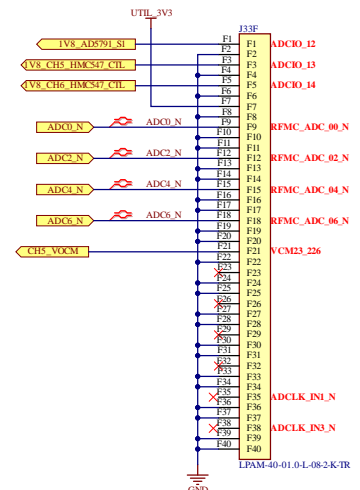
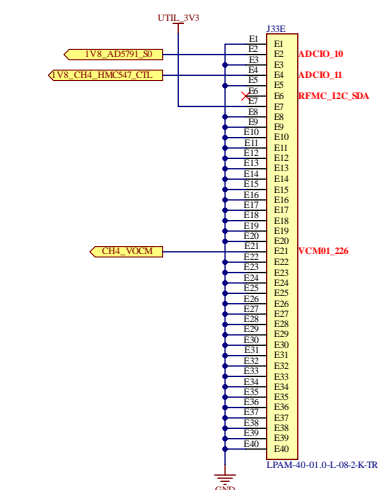
Chan 4 IF to RF Output Signal Path

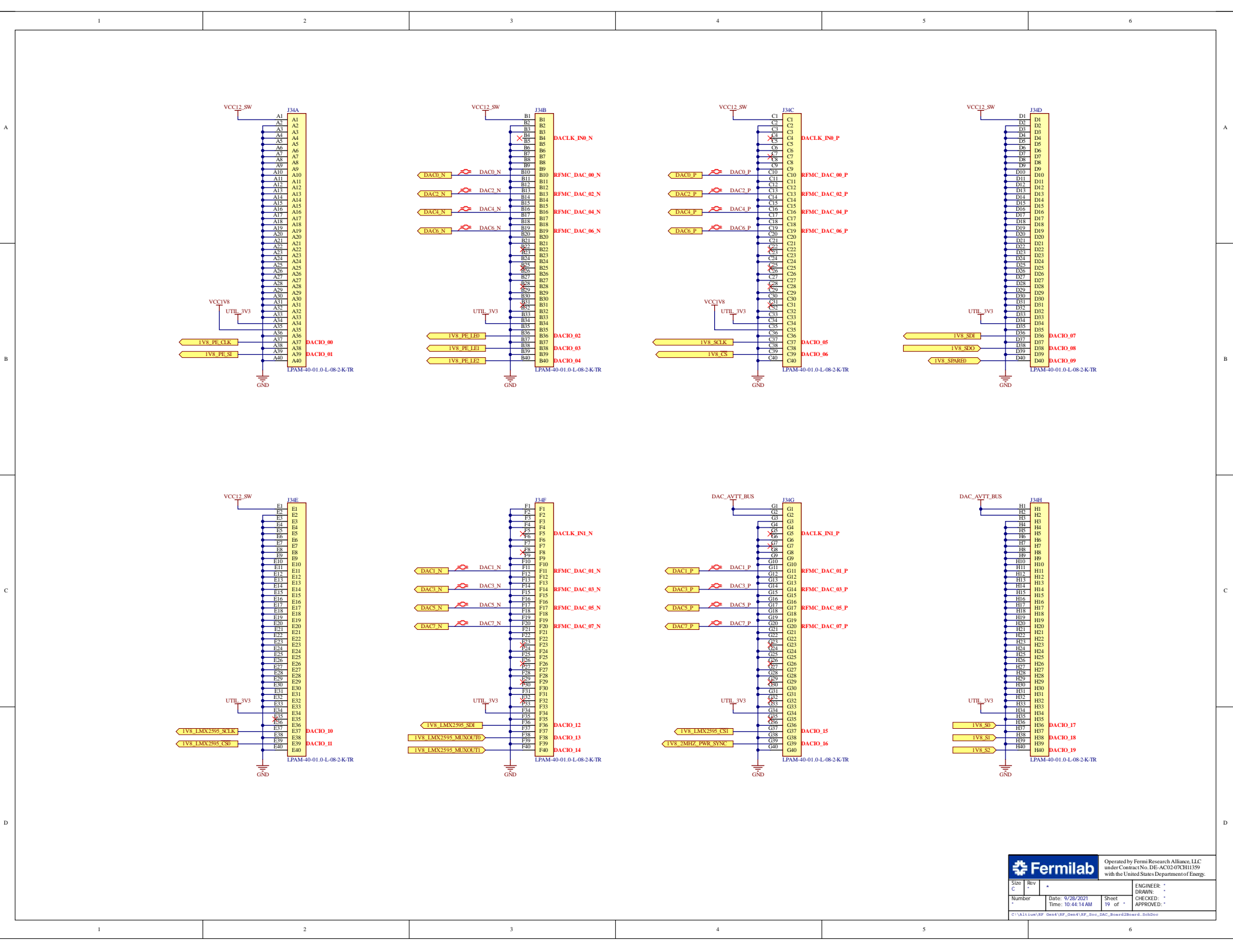


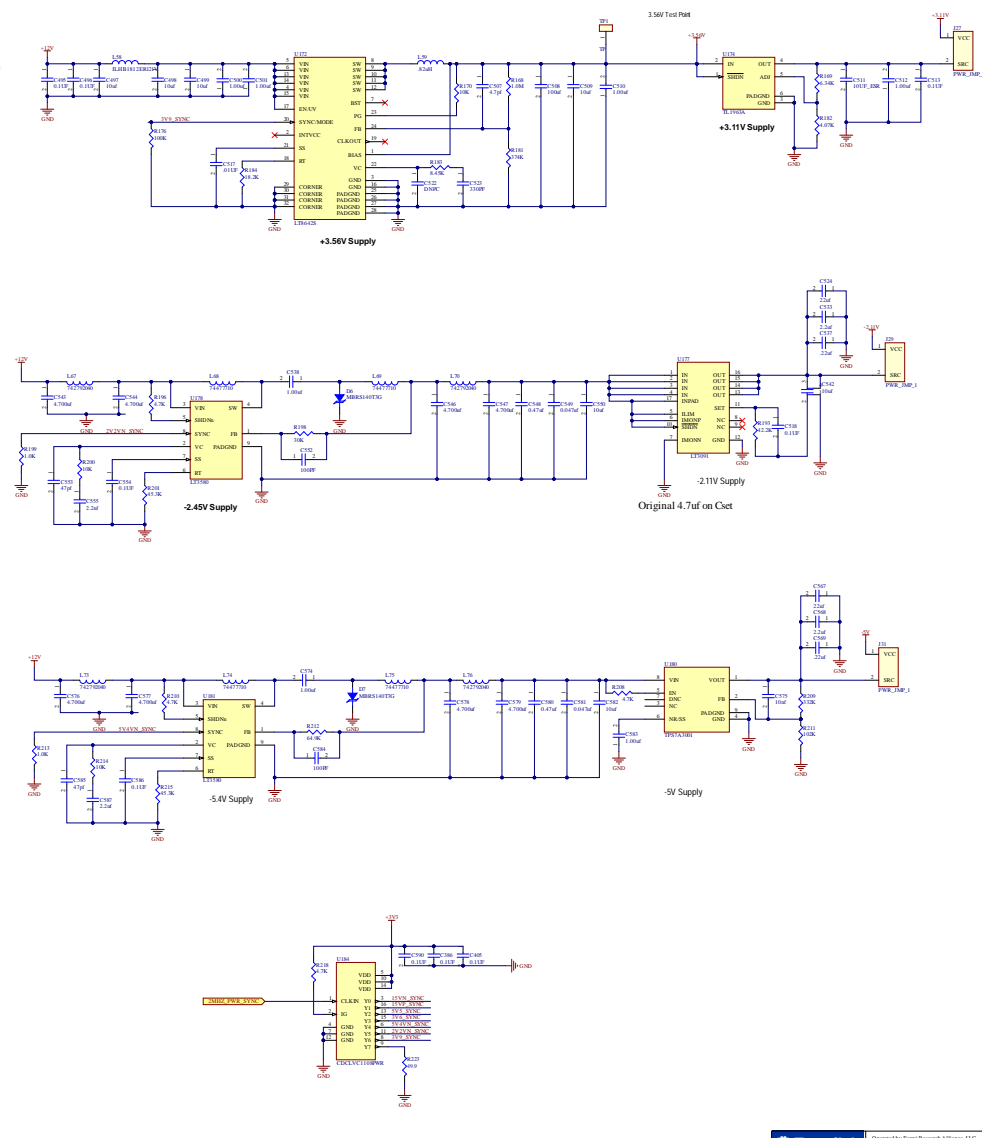
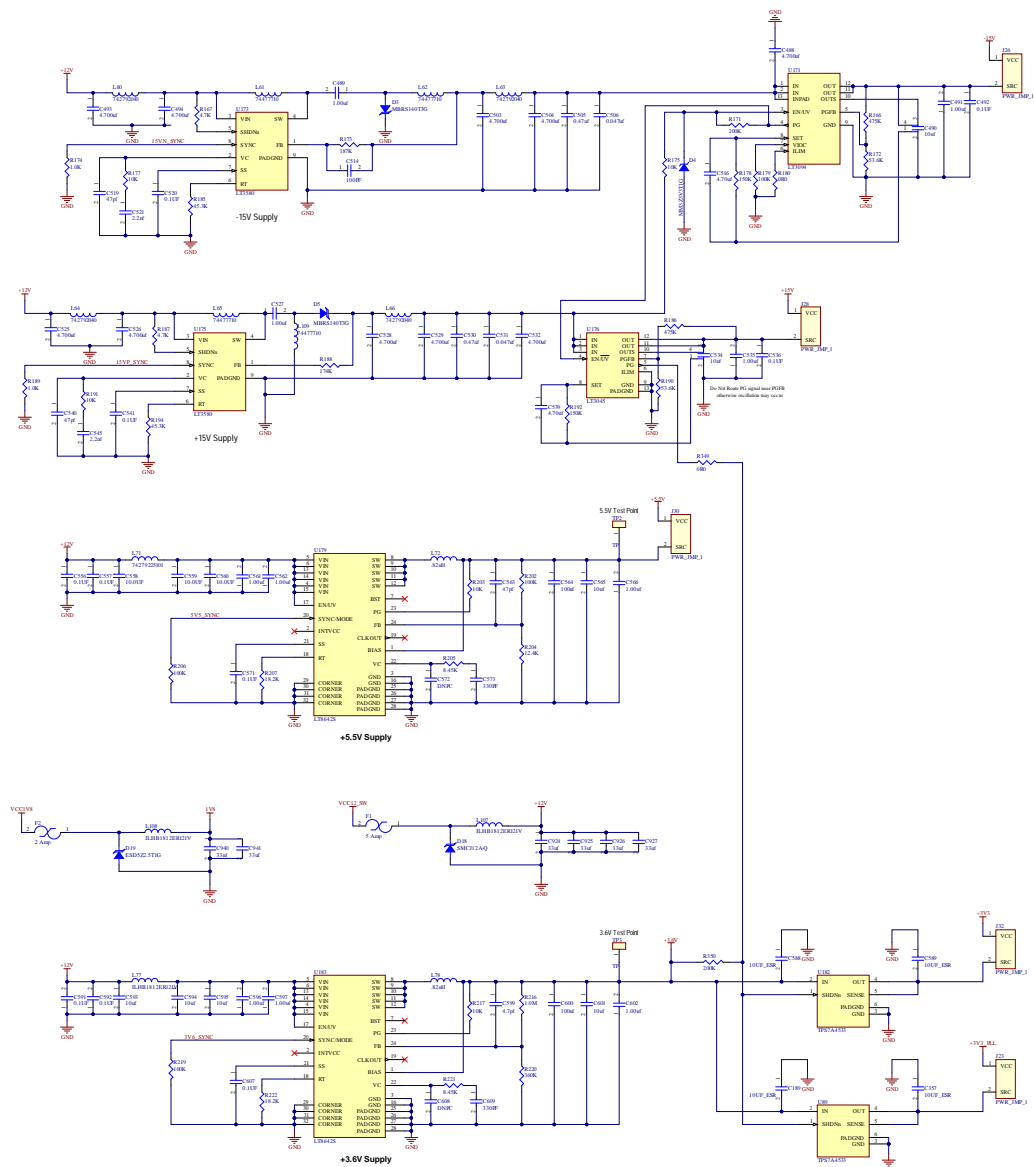
Chan 1 IF to RF Output Signal Path

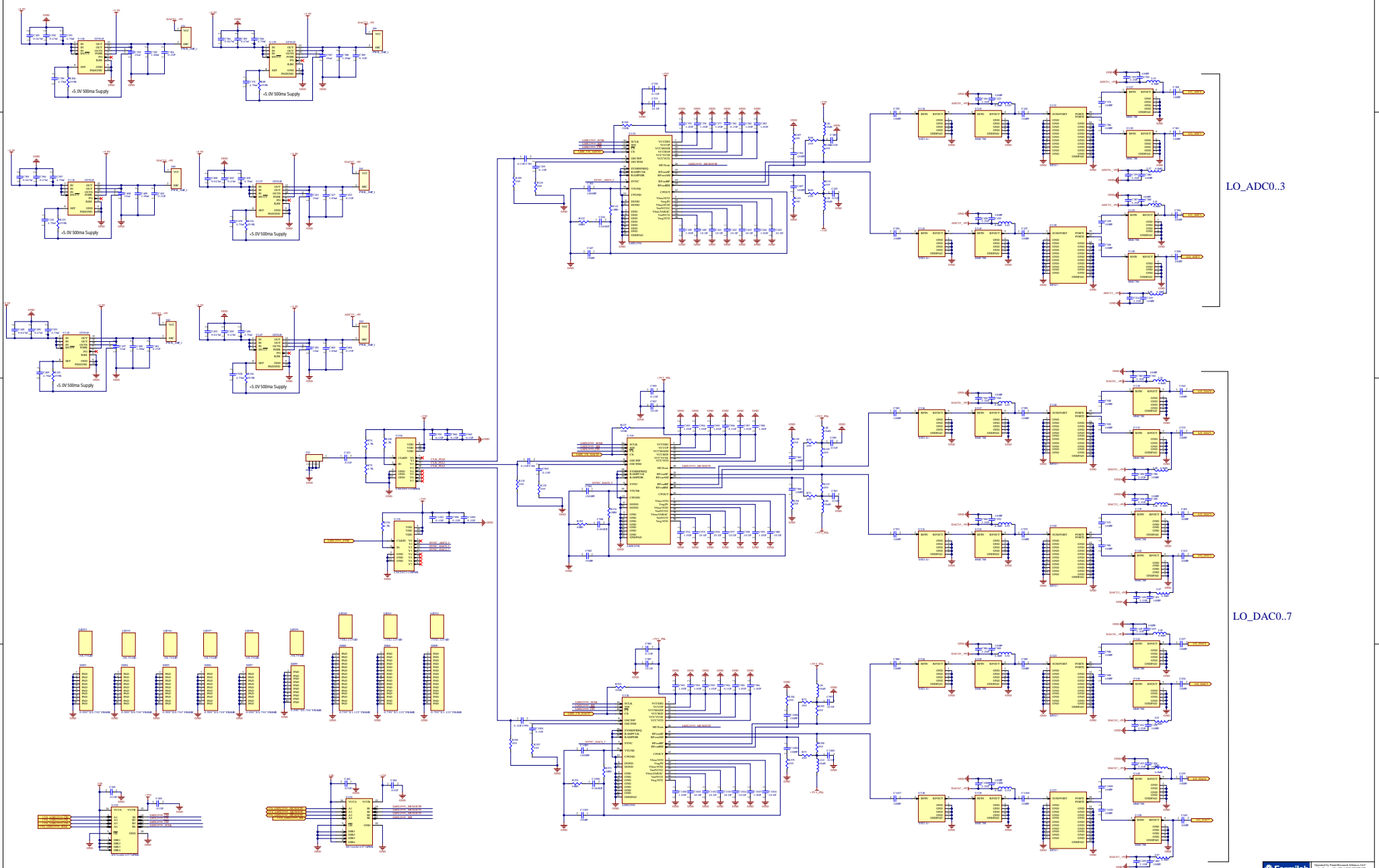


RFMC_ADC_04 - VCM01_226
 RFMC_ADC_05 - VCM23_226
 RFMC_ADC_06 - VCM01_227
 RFMC_ADC_07 - VCM23_227



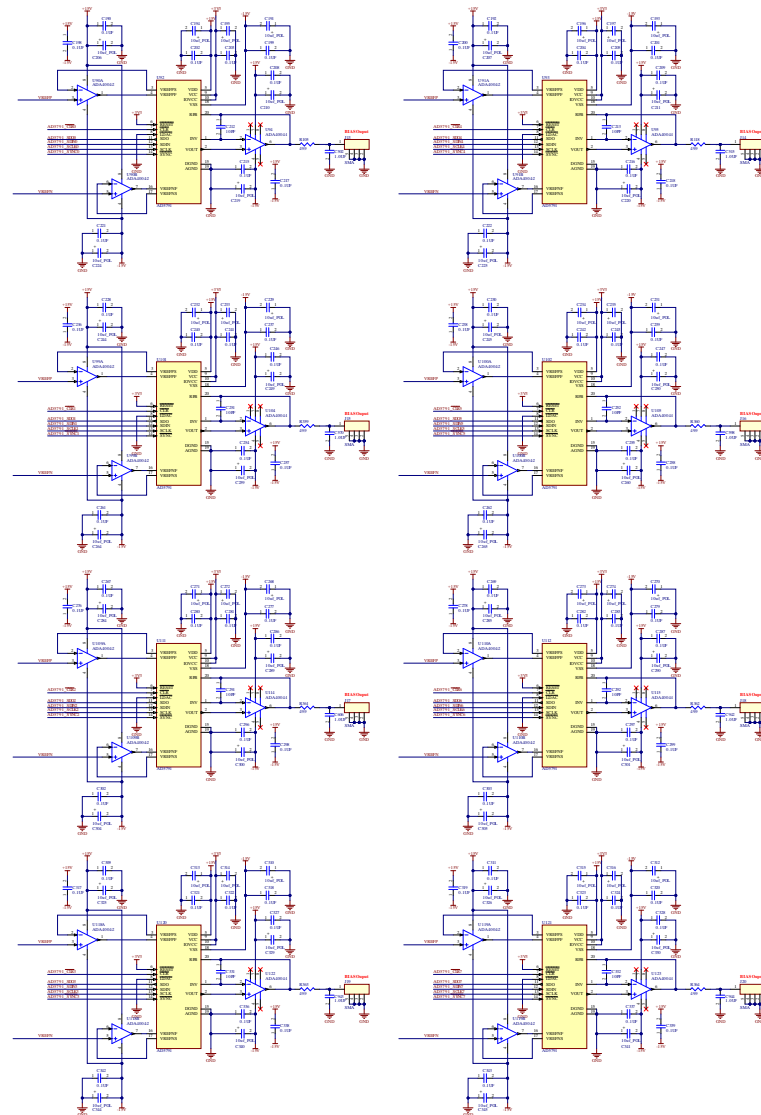
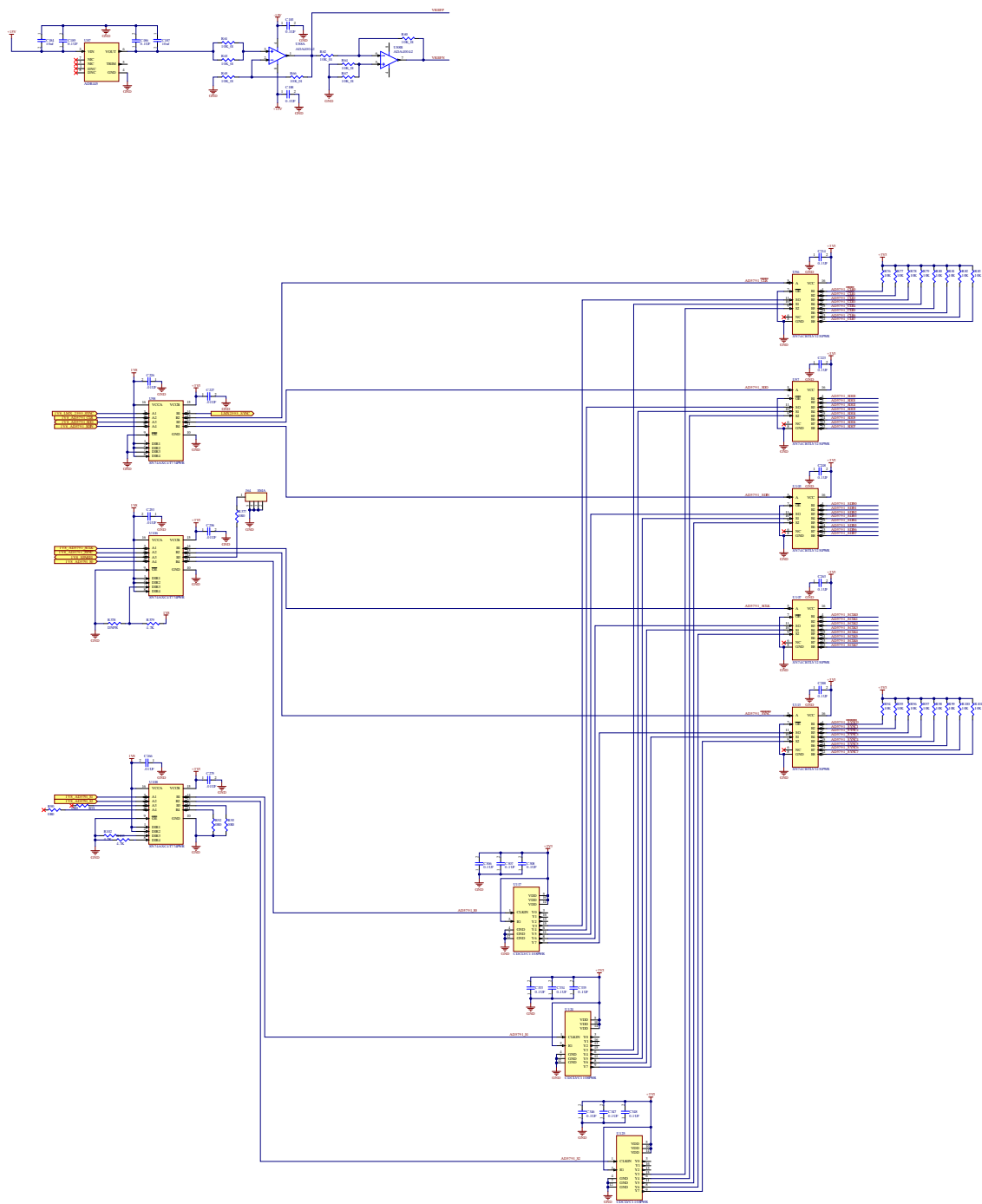




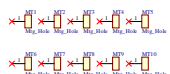
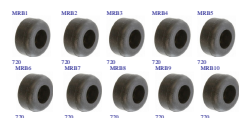


LO_ADC0..3

LO_DAC0..7



Select Signals	SPI Device	Reset Signal
SO, S1, S2 = 0	RF2IF5V_EN	1V8_DAC_ADC_5VEN_RSTn
SO, S1, S2 = 1	IF2RF5V_EN	1V8_DAC_ADC_5VEN_RSTn
SO, S1, S2 = 2	PE42020_CTL	1V8_DAC_ADC_5VEN_RSTn
SO, S1, S2 = 3	FAN_CTRL	1V8_DAC_ADC_5VEN_RSTn
SO, S1, S2 = 4	CH4 6401	None
SO, S1, S2 = 5	CH5 6401	None
SO, S1, S2 = 6	CH6 6401	None
SO, S1, S2 = 7	CH7 6401	None



SPW1
Quantity 100

