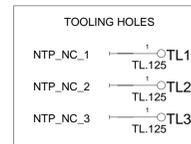
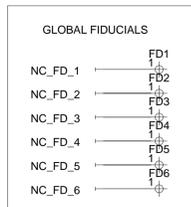
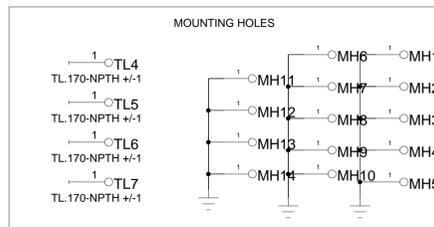
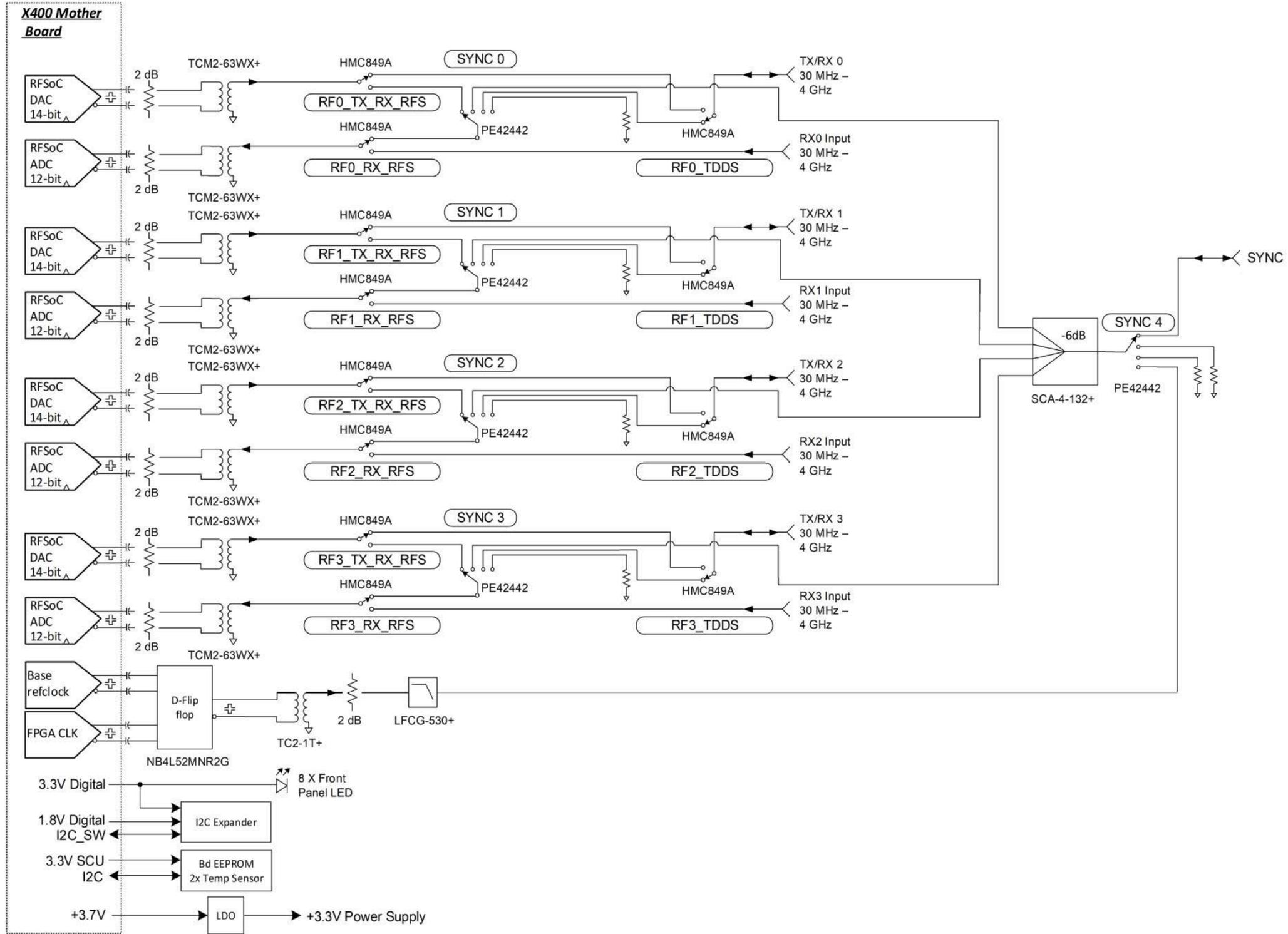


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REVISIONS	
REV	DESCRIPTION
2	REFER TO DATABASE FOR DWG STATUS



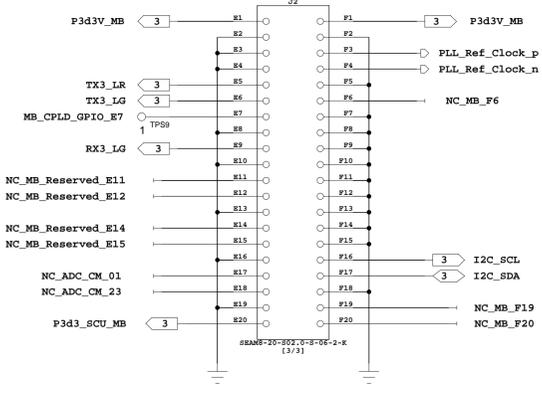
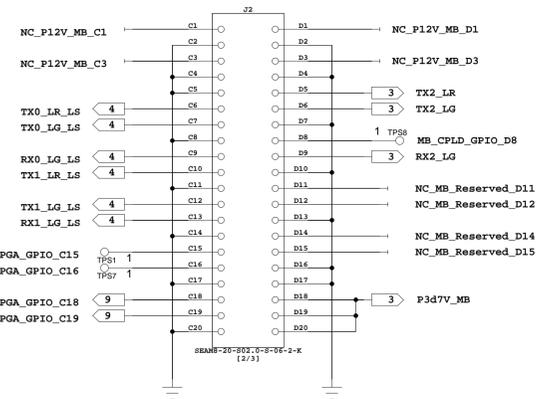
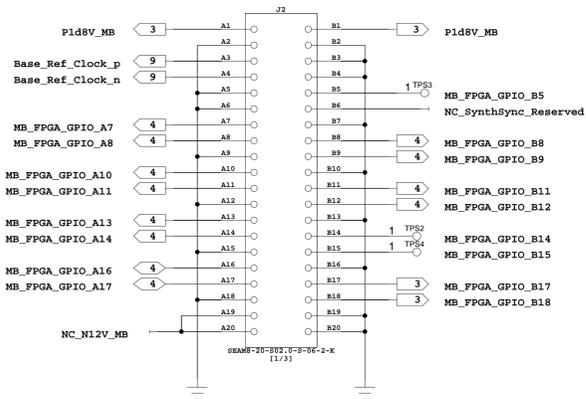
DESIGN TEAM		NI.COM AUSTIN, TEXAS			
DRAWN	DATE	TITLE			
REVISED	DATE	SCHEMATIC DIAGRAM USRP FBX, DAUGHTERBOARD			
CHECKED					
TECH		SIZE	CODE IDENT NO.	DRAWING NO.	REV
ENGR		C	7U296	138127A-01	2
SCALE: NONE				SHEET 1 OF 9	

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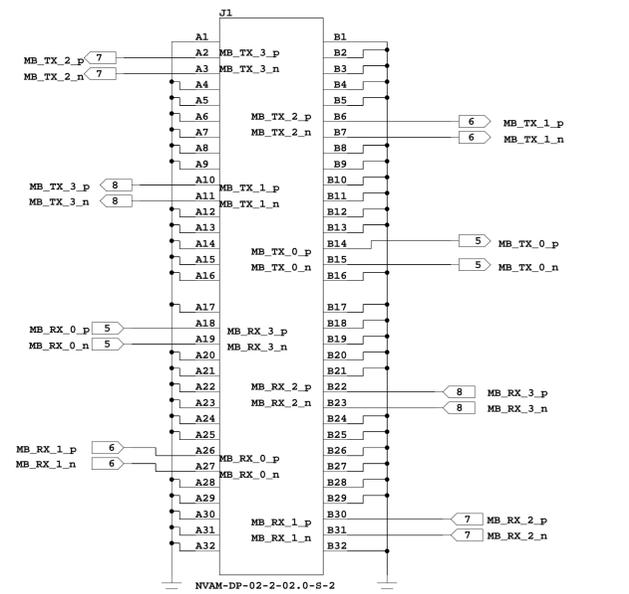
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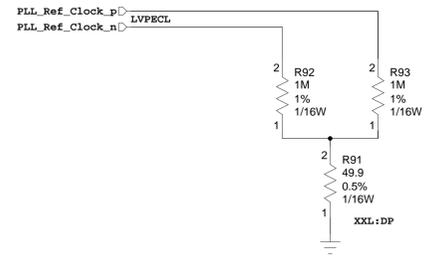
Motherboard Digital and Power Connector



Motherboard ADC/DAC Connector



PLL Ref Clock Termination



Mezzanine Connectors			
USRP FBX, DAUGHTERBOARD			
SIZE	CODE IDENT NO.	DRAWING NO.	REV
C	7U296	138127A-01	2
SCALE: NONE		SHEET 2 OF 9	

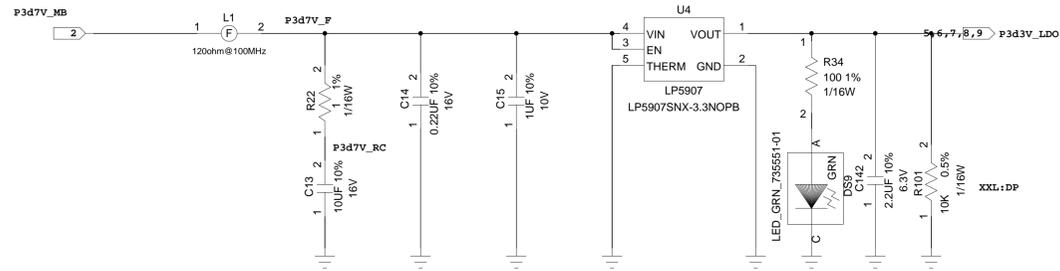
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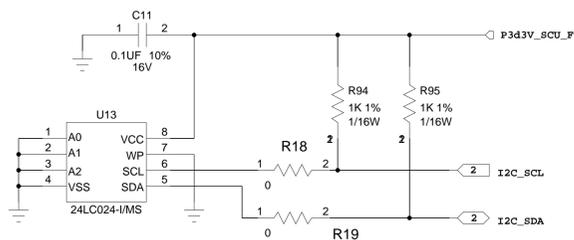
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3.3V Linear Regulator

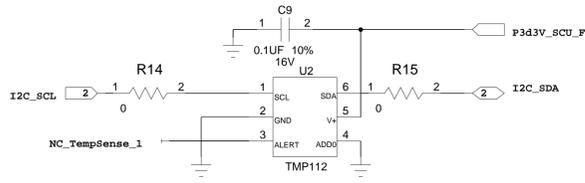


Bd ID EEPROM



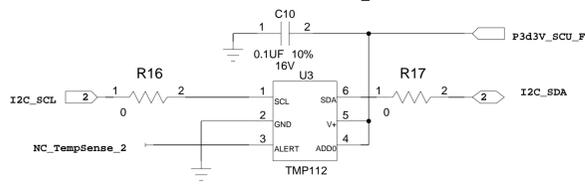
I2C Address = 0x50

Temperature Sensor 1 Top Side Temp Sensor



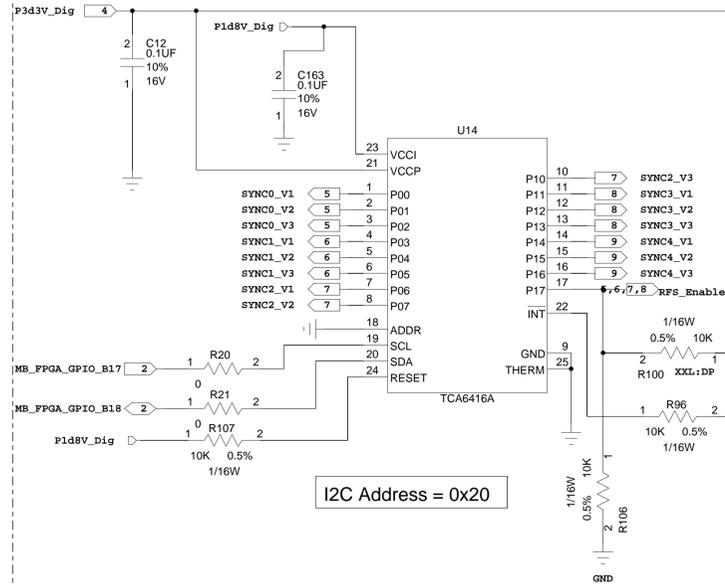
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Temperature Sensor 2 Bottom Side Temp Sensor



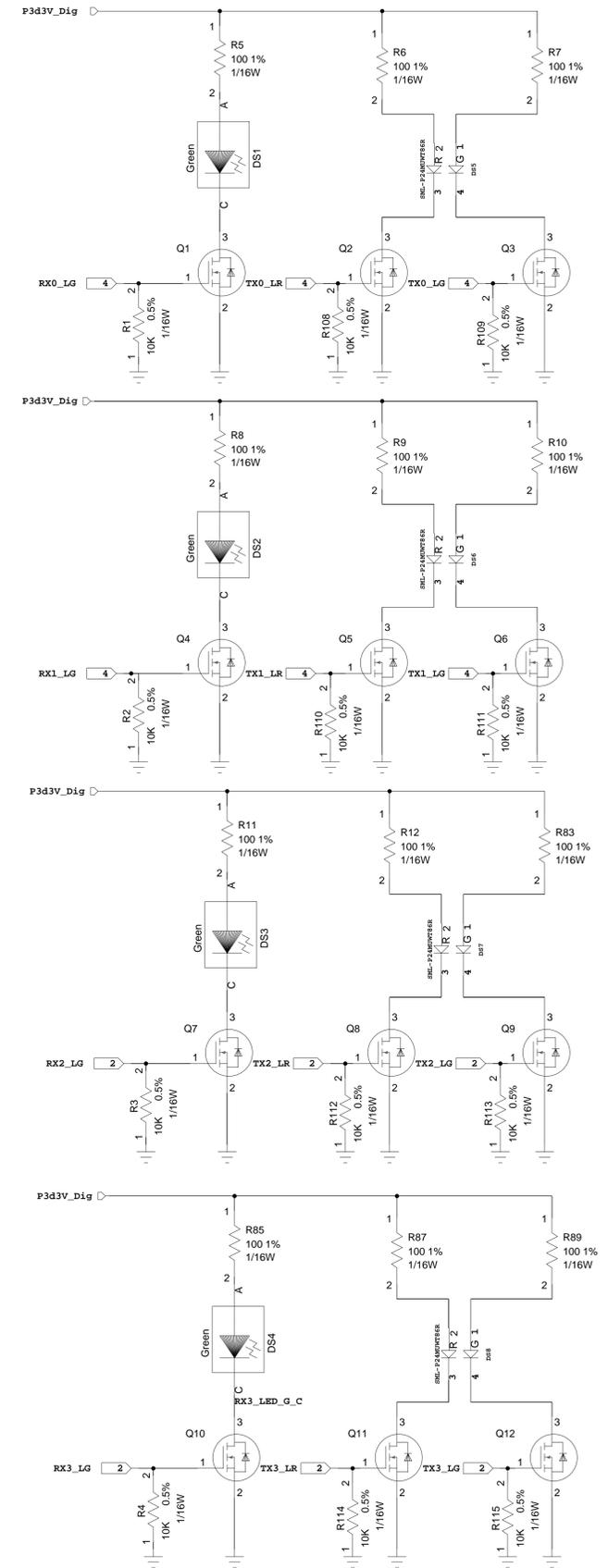
I2C Address = 0x49

I/O Expander

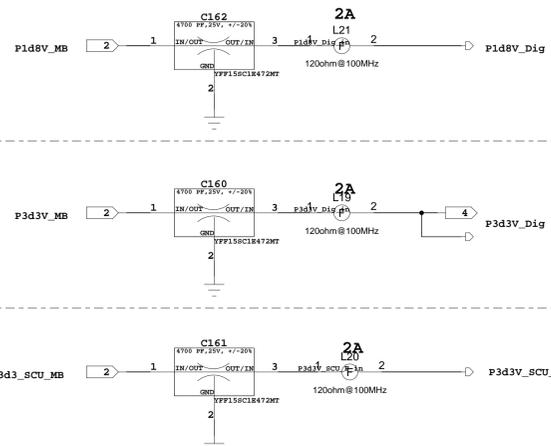


I2C Address = 0x20

Front Panel LEDs



Digital Power Supplies



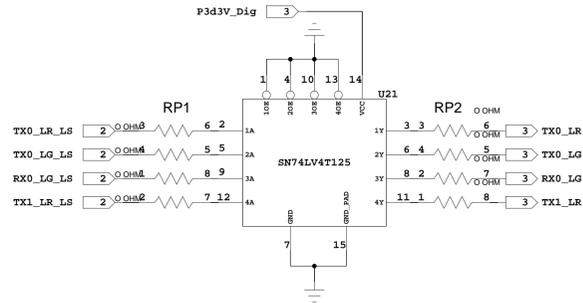
Power Supply and Misc Digital			
USRP FBX, DAUGHTERBOARD			
SIZE	CODE IDENT NO.	DRAWING NO.	REV
C	7U296	138127A-01	2
SCALE: NONE			SHEET 3 OF 9

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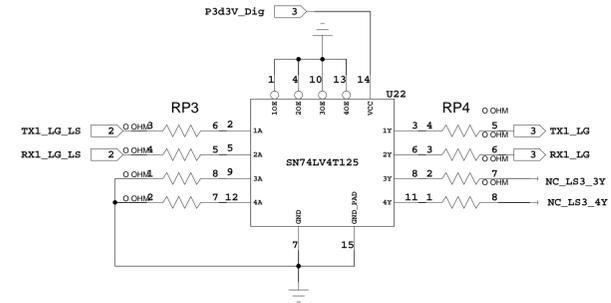
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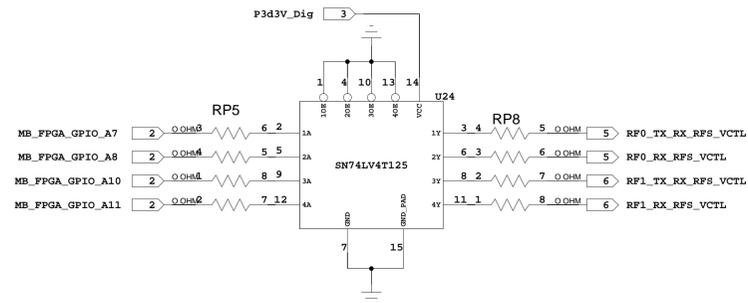
Level Shifter 1.8V to 3.3V (LED)



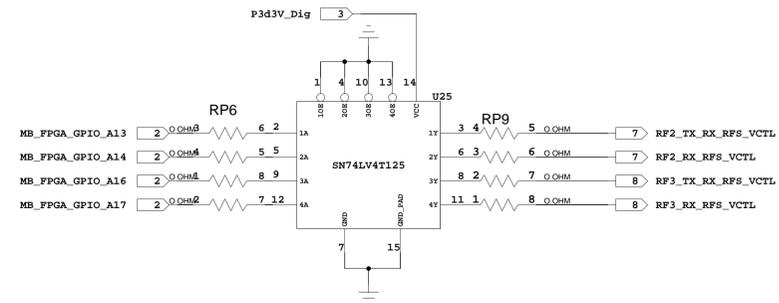
Level Shifter 1.8V to 3.3V (LED)



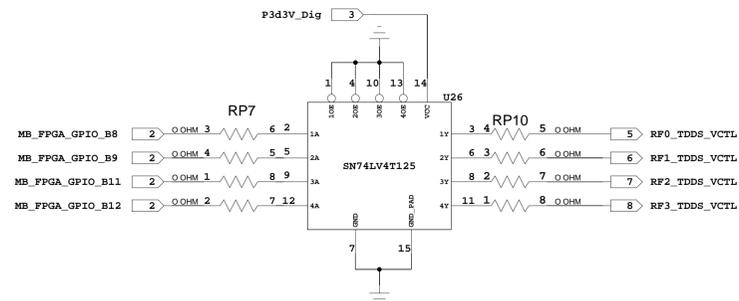
Level Shifter 1.8V to 3.3V (RFS)



Level Shifter 1.8V to 3.3V (RFS)



Level Shifter 1.8V to 3.3V (TDDS)



Level Shifters			
USRP FBX, DAUGHTERBOARD			
SIZE	CODE IDENT NO.	DRAWING NO.	REV
C	7U296	138127A-01	2
SCALE: NONE		SHEET 4 OF 9	

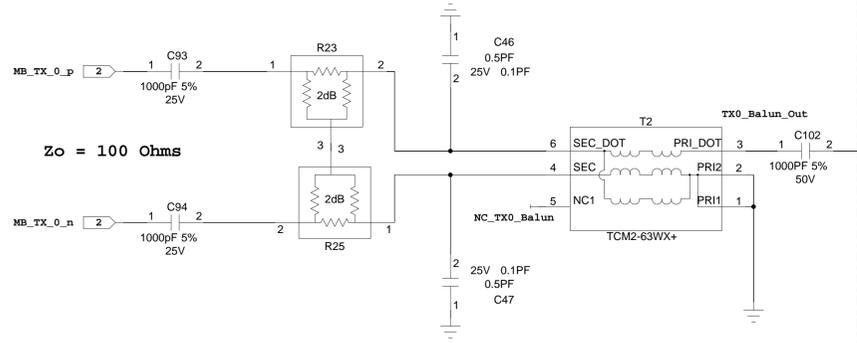
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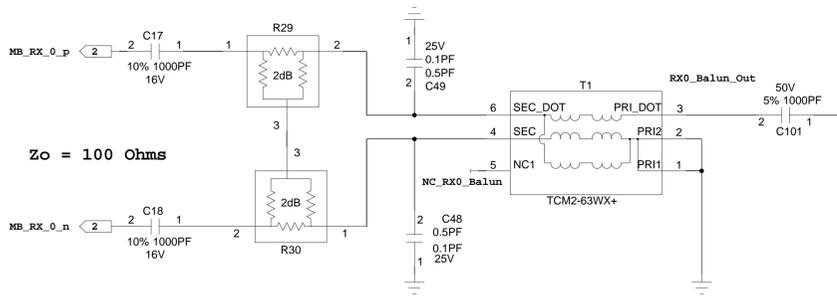
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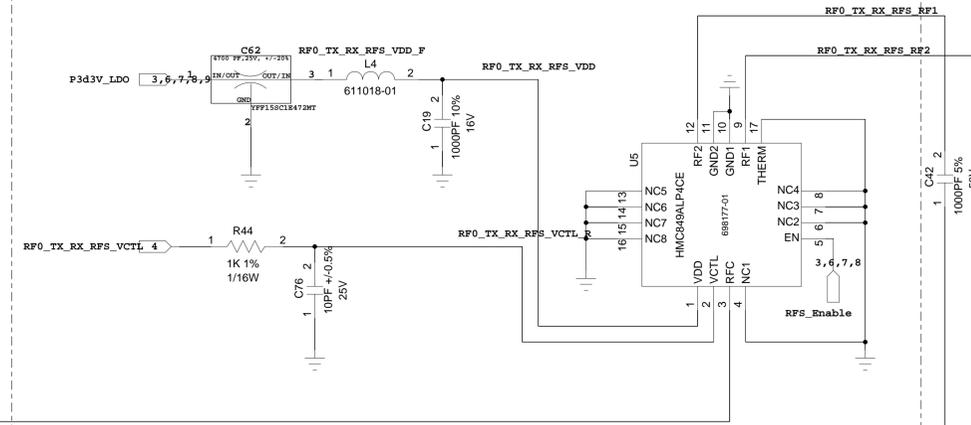
DAC Balun TX/RX_0



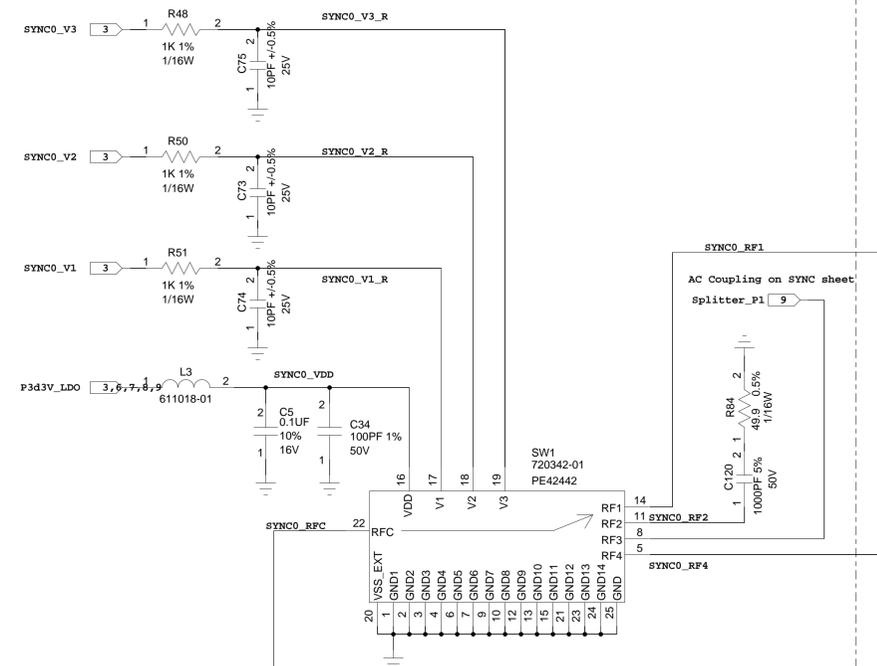
ADC Balun RX_0



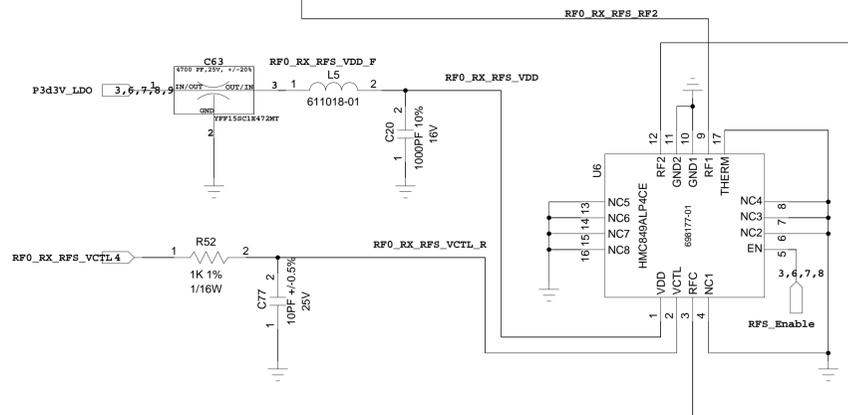
RF0_TX_RX_RFS



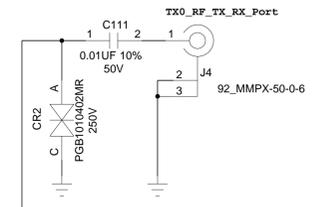
SYNC0



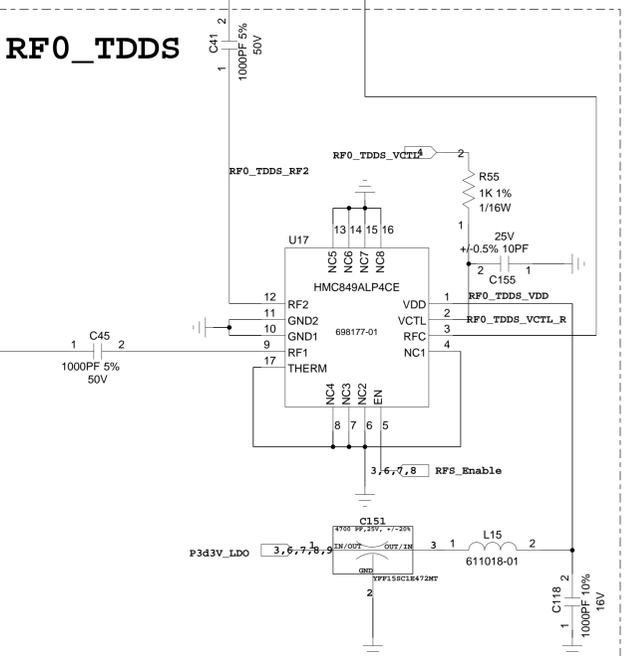
RF0_RX_RFS



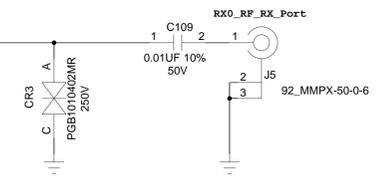
TX/RX_0



RF0_TDDS



RX2_0



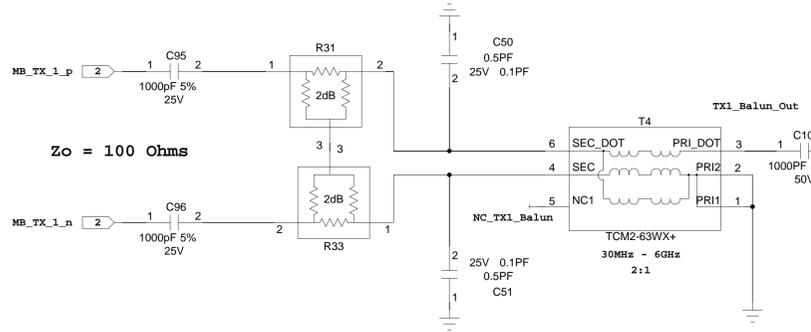
TX0_RX0			
USRP FBX, DAUGHTERBOARD			
SIZE	CODE IDENT NO.	DRAWING NO.	REV
C	7U296	138127A-01	2
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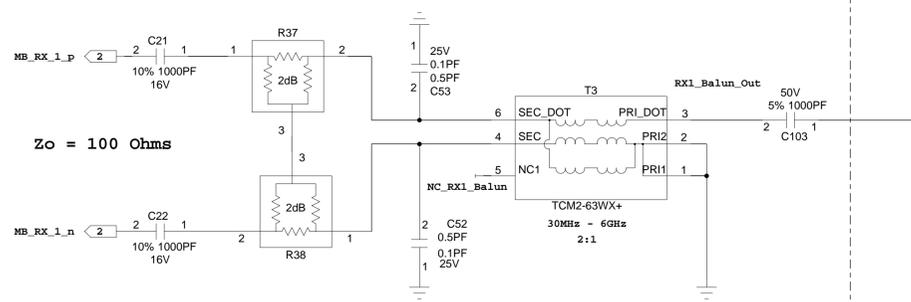
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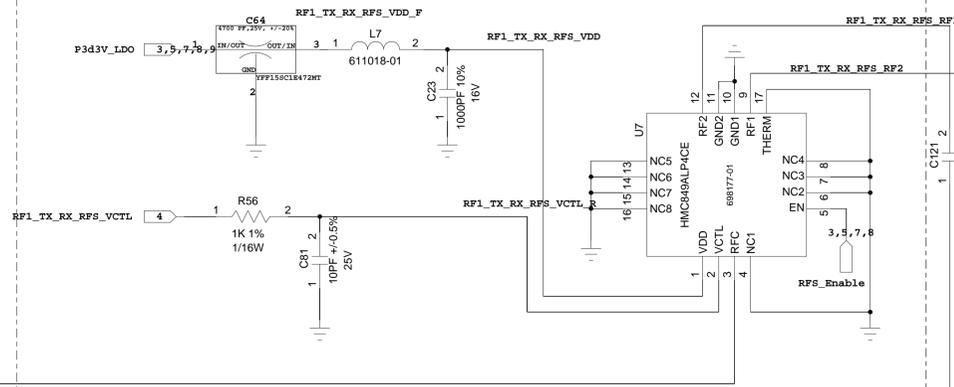
DAC Balun TX/RX_1



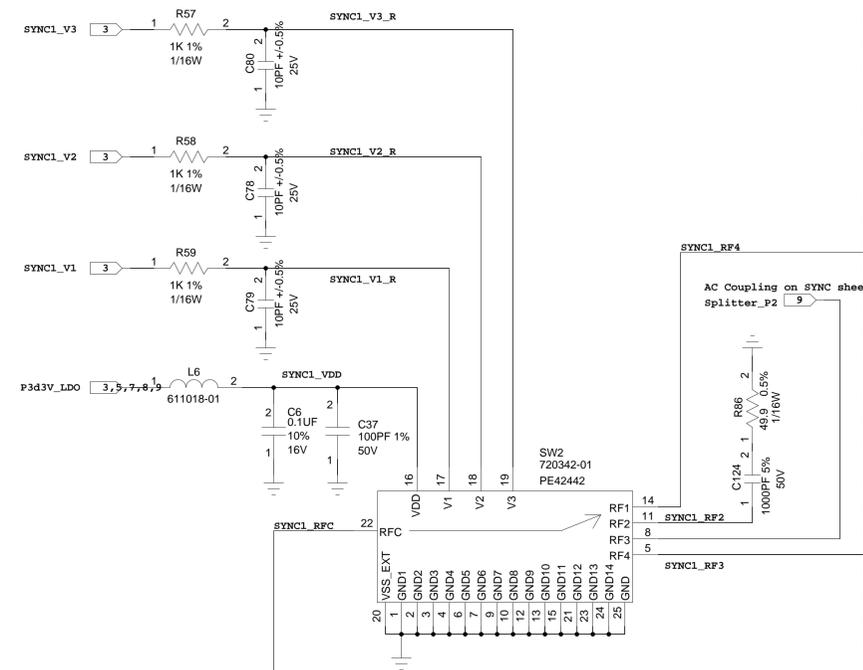
ADC Balun RX_1



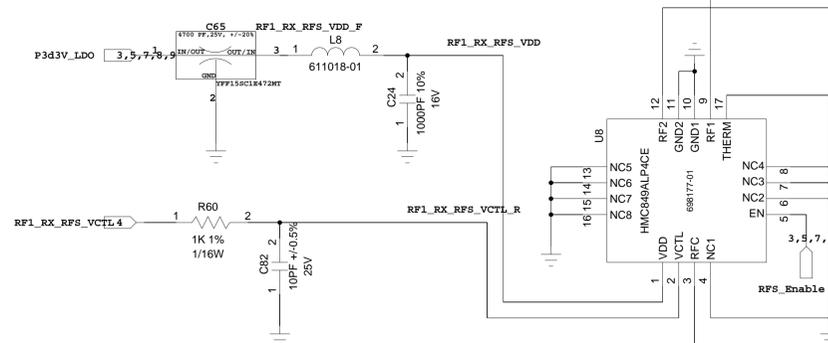
RF1_TX_RX_RFS



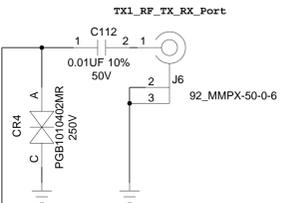
SYNC1



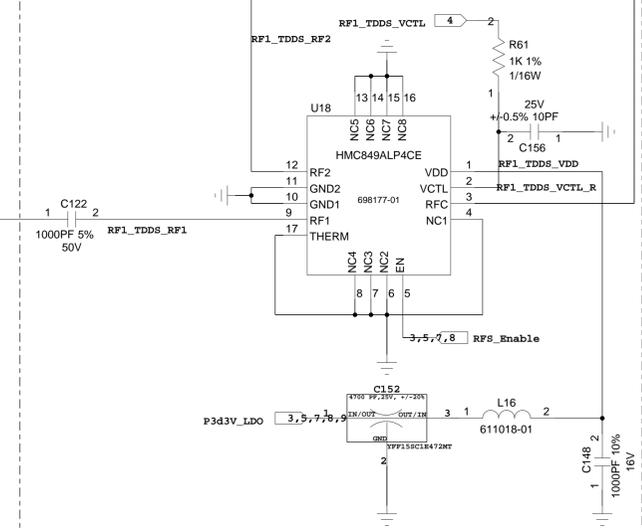
RF1_RX_RFS



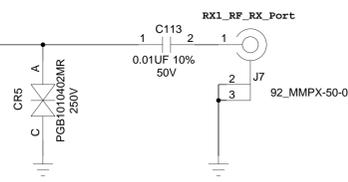
TX/RX_1



RF1_TDDS



RX2_1



TX1_RX1

USRP FBX, DAUGHTERBOARD

SIZE	CODE IDENT NO.	DRAWING NO.	REV
C	7U296	138127A-01	2
SCALE: NONE			SHEET 6 OF 9

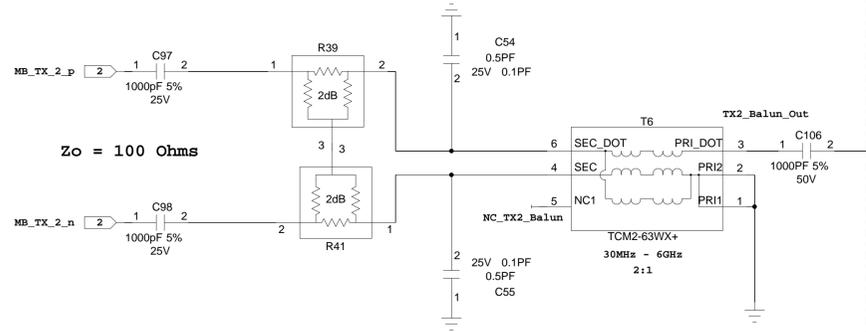
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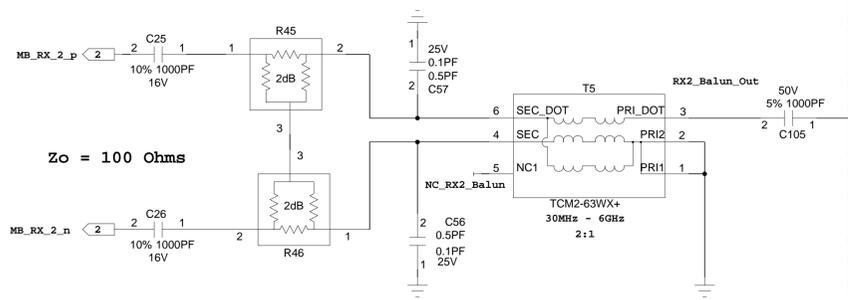
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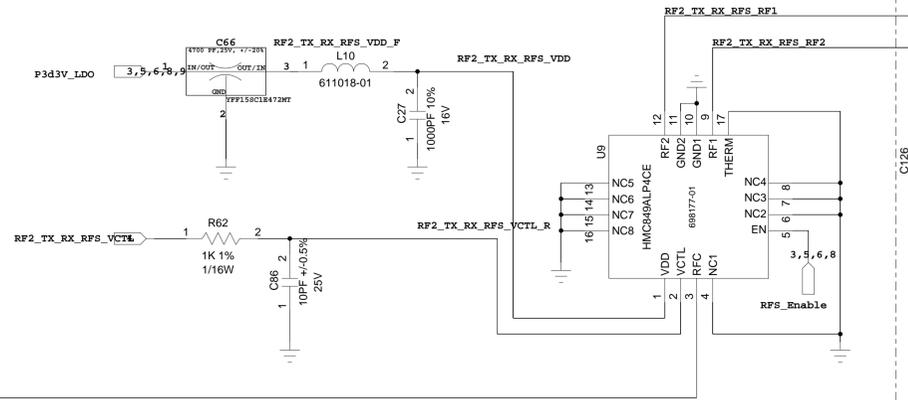
DAC Balun TX/RX_2



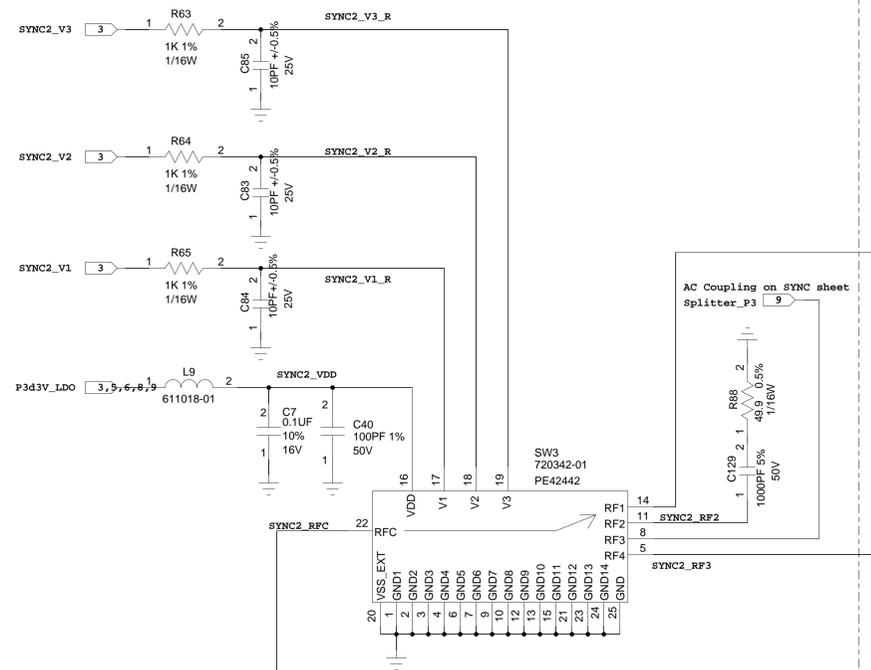
ADC Balun RX_2



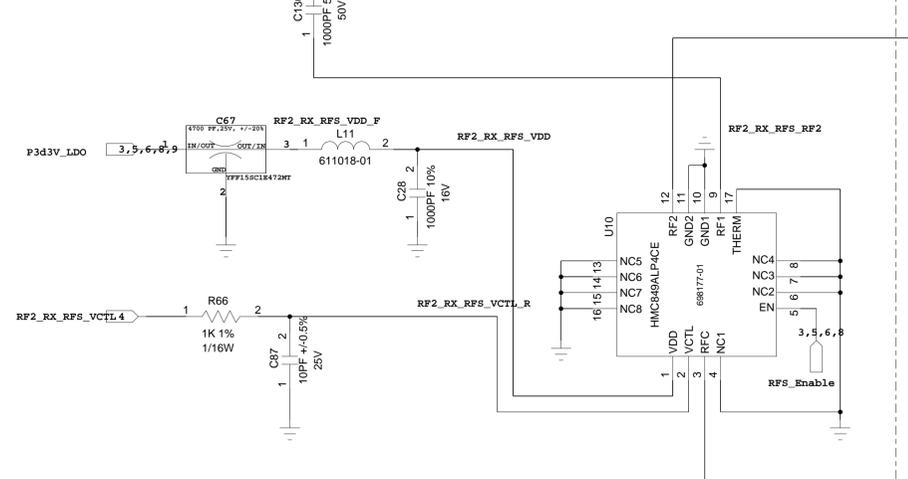
RF2_TX_RX_RFS



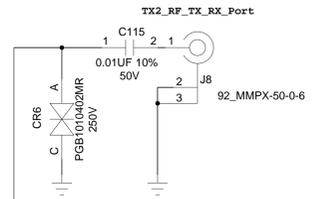
SYNC2



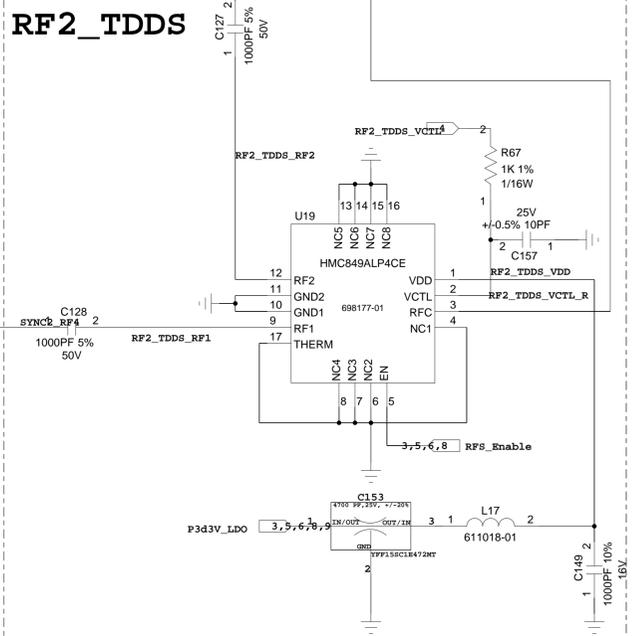
RF2_RX_RFS



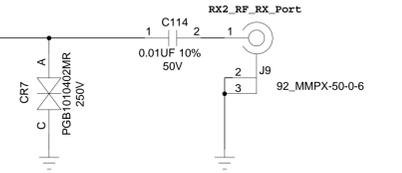
TX/RX_2



RF2_TDDS



RX2_2



TX2_RX2 USRP FBX, DAUGHTERBOARD

SIZE	CODE IDENT NO.	DRAWING NO.	REV
C	7U296	138127A-01	2
SCALE: NONE			SHEET 7 OF 9

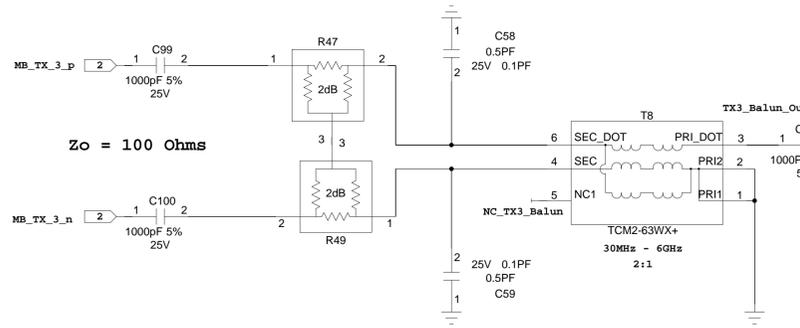
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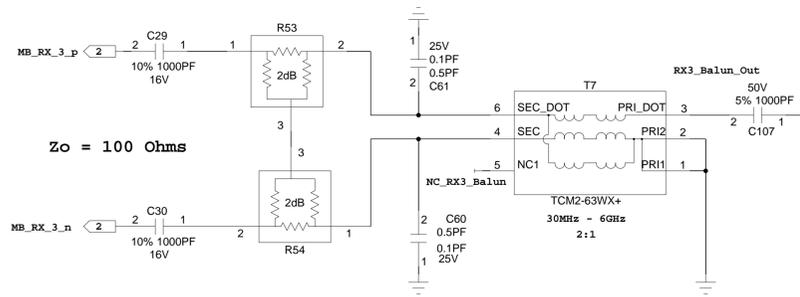
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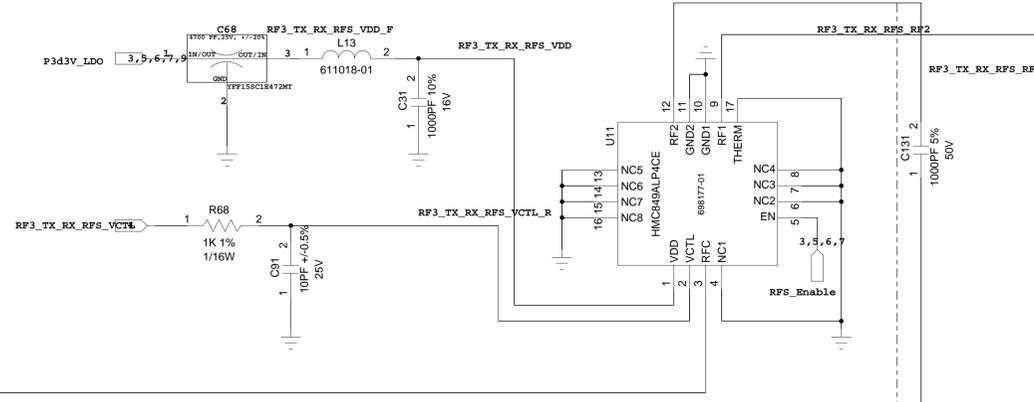
DAC Balun TX/RX_3



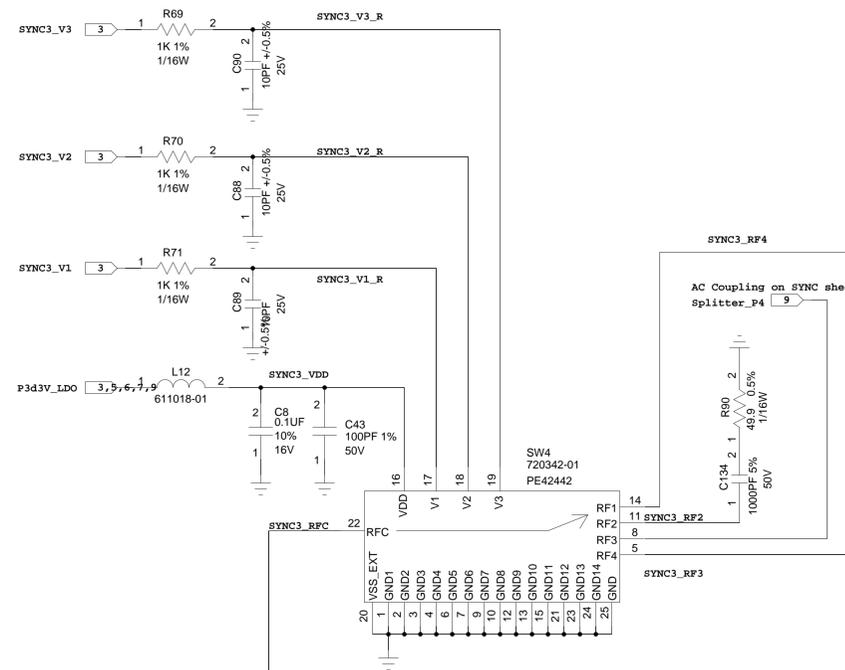
ADC Balun RX_3



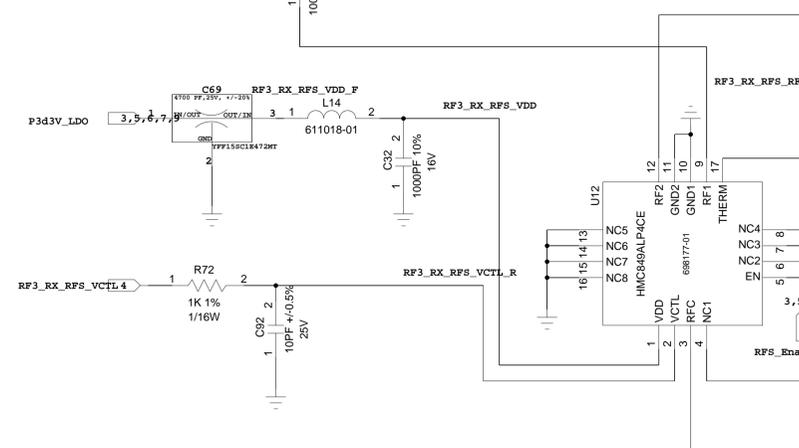
RF3_TX_RX_RFS



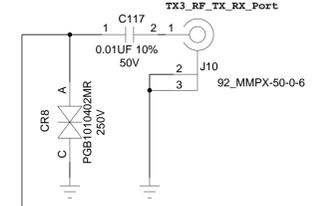
SYNC3



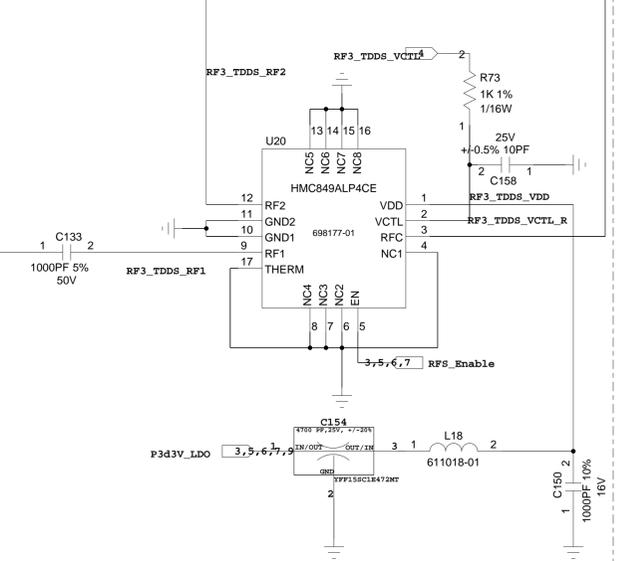
RF3_RX_RFS



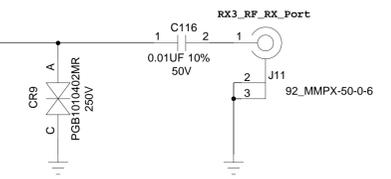
TX/RX_3



RF3_TDDS



RX2_3



TX3_RX3

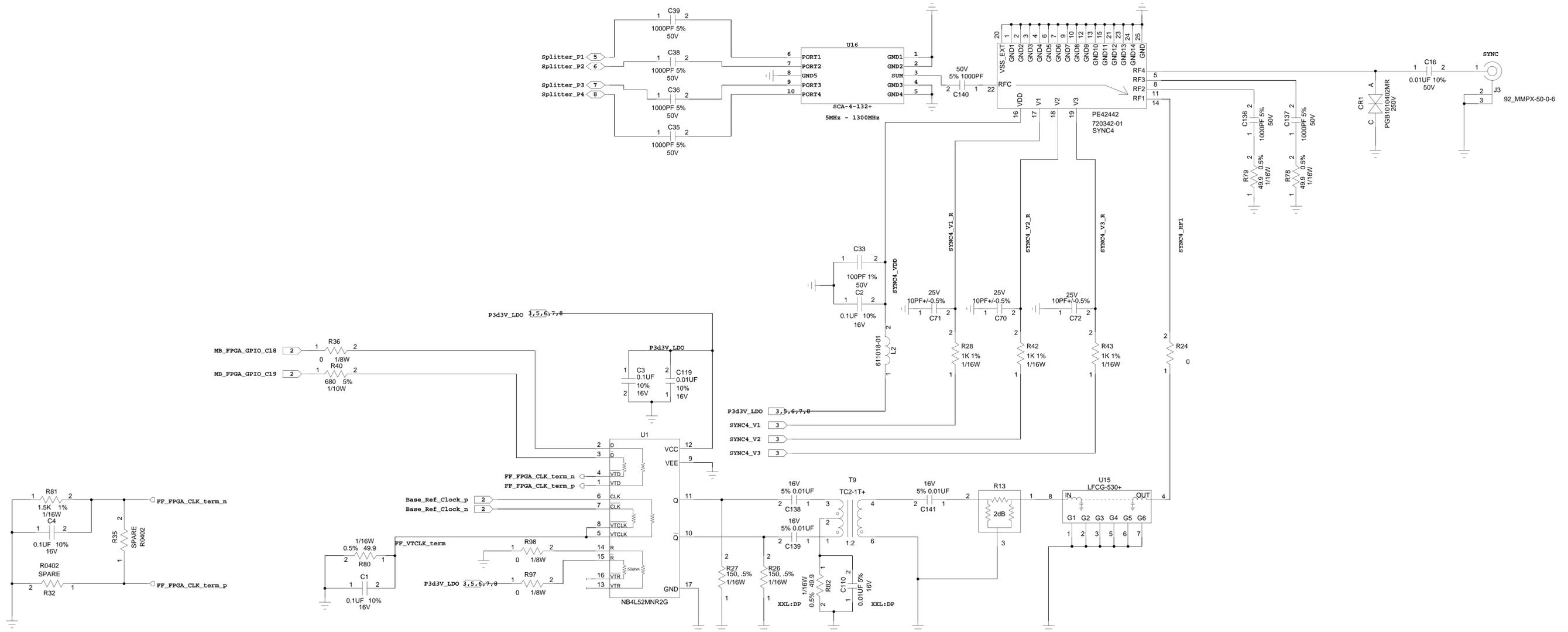
USRP FBX, DAUGHTERBOARD

SIZE	CODE IDENT NO.	DRAWING NO.	REV
C	7U296	138127A-01	2
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Sync			
USRP FBX, DAUGHTERBOARD			
SIZE	CODE IDENT NO.	DRAWING NO.	REV
C	7U296	138127A-01	2
SCALE: NONE			SHEET 9 OF 9