

The image displays three pinout diagrams for the ADI-PMI-0100 module, showing connections for RTM, AMC, and RTM FPGA blocks. Each diagram includes a pin header (J7) on the left and a connector (GND) on the right. The diagrams show various signals such as GTP, RTM, AMC, and RTM signals, along with power and ground connections.

**Diagram 1: RTM FPGA GTP Tx0, N**

Pin 10: GND

Pin 11: RTM FPGA GTP Tx0, N

Pin 12: RTM FPGA GTP Tx0, P

Pin 13: GND

Pin 14: RTM FPGA GTP Tx1, N

Pin 15: RTM FPGA GTP Tx1, P

Pin 16: GND

Pin 17: RTM FPGA GTP Rx0, N

Pin 18: RTM FPGA GTP Rx0, P

Pin 19: GND

Pin 20: RTM FPGA GTP Rx1, N

Pin 21: RTM FPGA GTP Rx1, P

Pin 22: GND

Pin 23: ADC1 SYNC N

Pin 24: ADC1 SYNC P

Pin 25: GND

Pin 26: ADC2 SYNC N

Pin 27: ADC2 SYNC P

Pin 28: GND

Pin 29: RTM FPGA GTP CLK, N

Pin 30: RTM FPGA GTP CLK, P

Pin 31: GND

Pin 32: AMC FPGA REF, CLK, N

Pin 33: AMC FPGA REF, CLK, P

Pin 34: GND

Pin 35: P12V0

Pin 36: GND

Pin 37: GND

Pin 38: GND

Pin 39: GND

Pin 40: GND

Pin 41: GND

Pin 42: GND

Pin 43: GND

Pin 44: GND

Pin 45: GND

Pin 46: GND

Pin 47: GND

Pin 48: GND

Pin 49: GND

Pin 50: GND

Pin 51: GND

Pin 52: GND

Pin 53: GND

Pin 54: GND

Pin 55: GND

Pin 56: GND

Pin 57: GND

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Pin 254: GND

Pin 255: GND

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Pin 259: GND

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Pin 263: GND

Pin 264: GND

Pin 265: GND

Pin 266: GND

Pin 267: GND

Pin 268: GND

Pin 269: GND

Pin 270: GND

Pin 271: GND

Pin 272: GND

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Pin 280: GND

Pin 281: GND

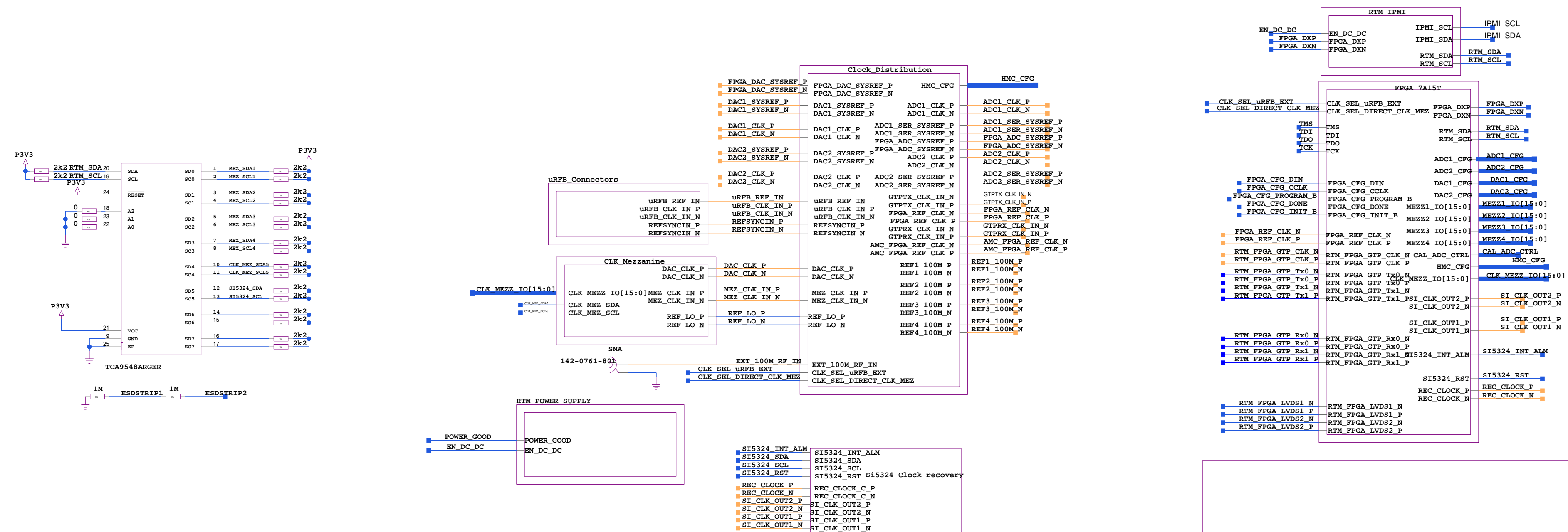
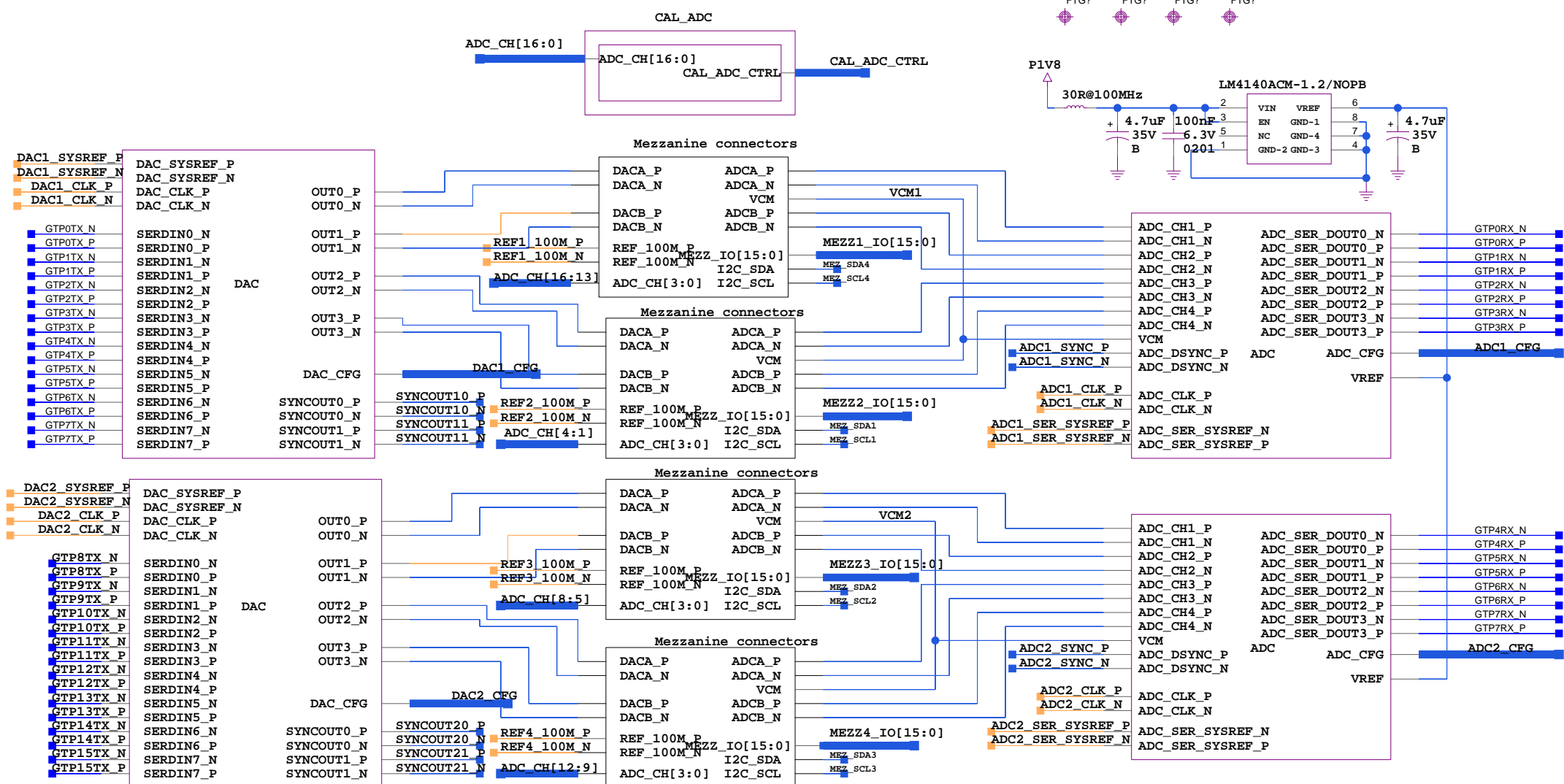
Pin 282: GND

Pin 283: GND

Pin 284: GND

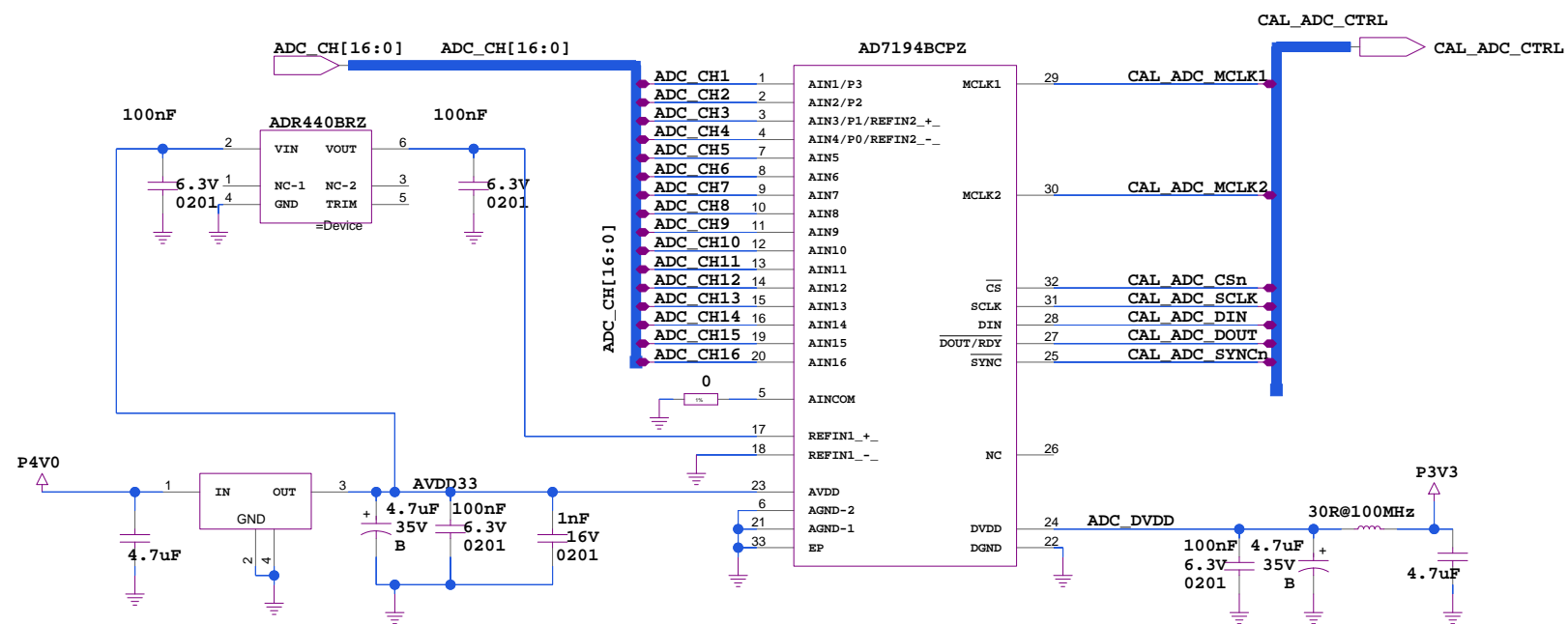
Pin 285: GND

Pin 2



# Sayma\_RTM





# CAL\_ADC





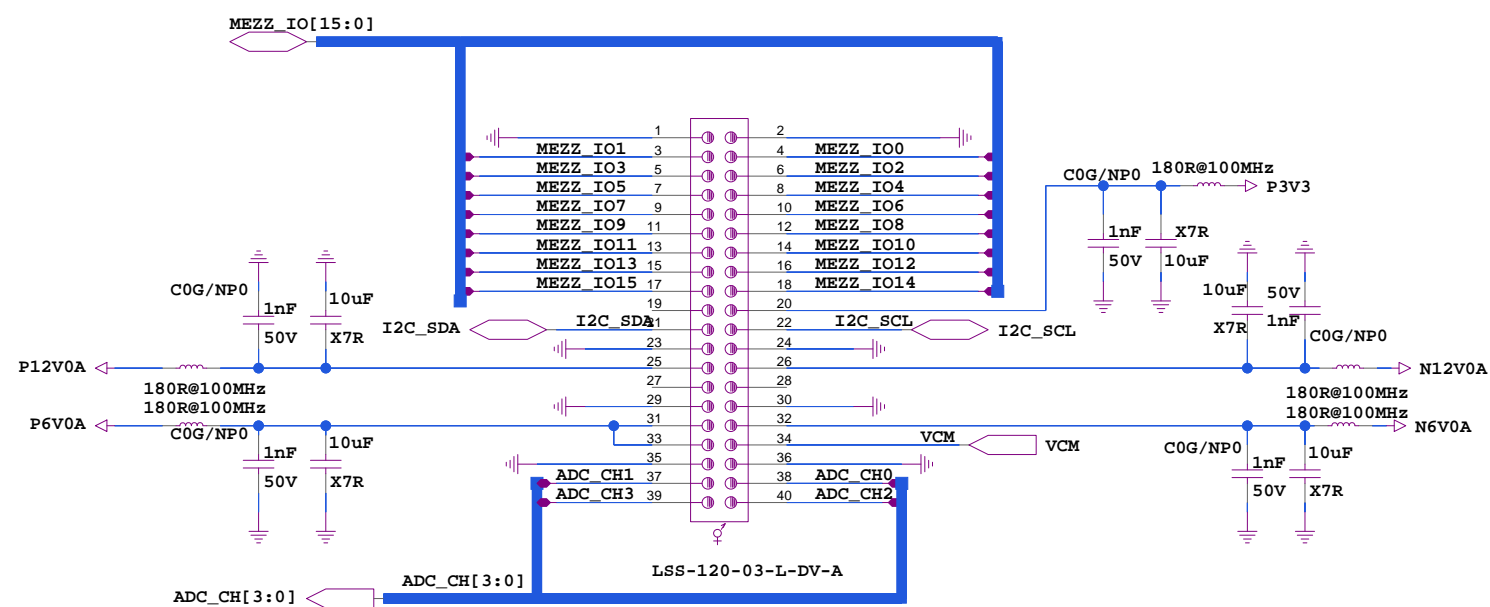
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Replace with W2L16C473MAT1S

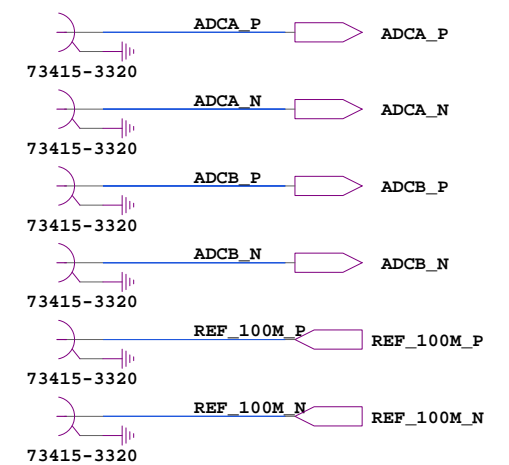
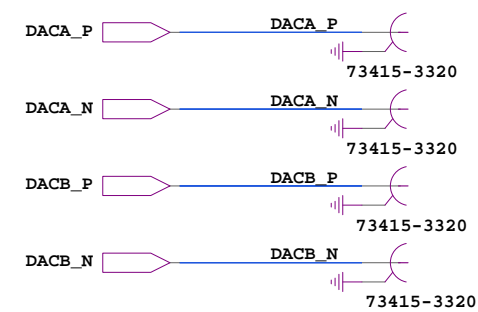
Replace with W2L16C473MAT1S

DAC\_JESD204B

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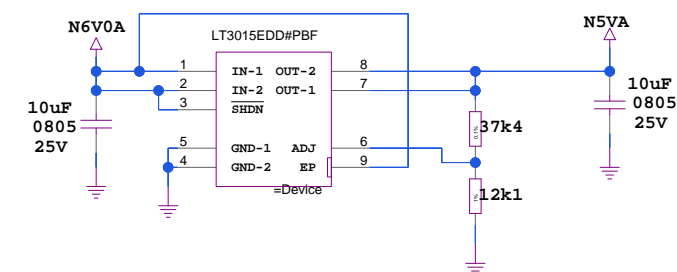
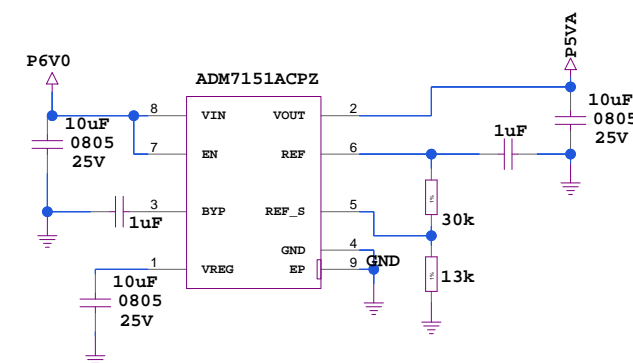
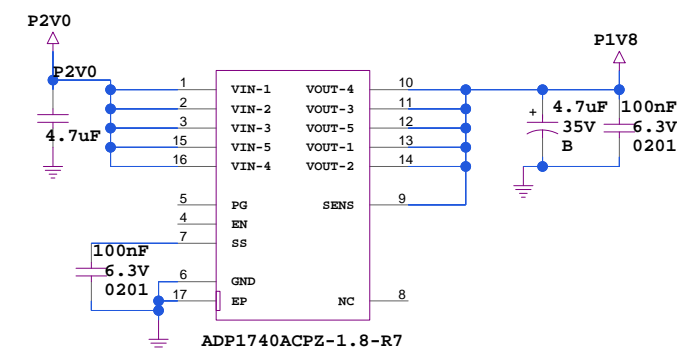
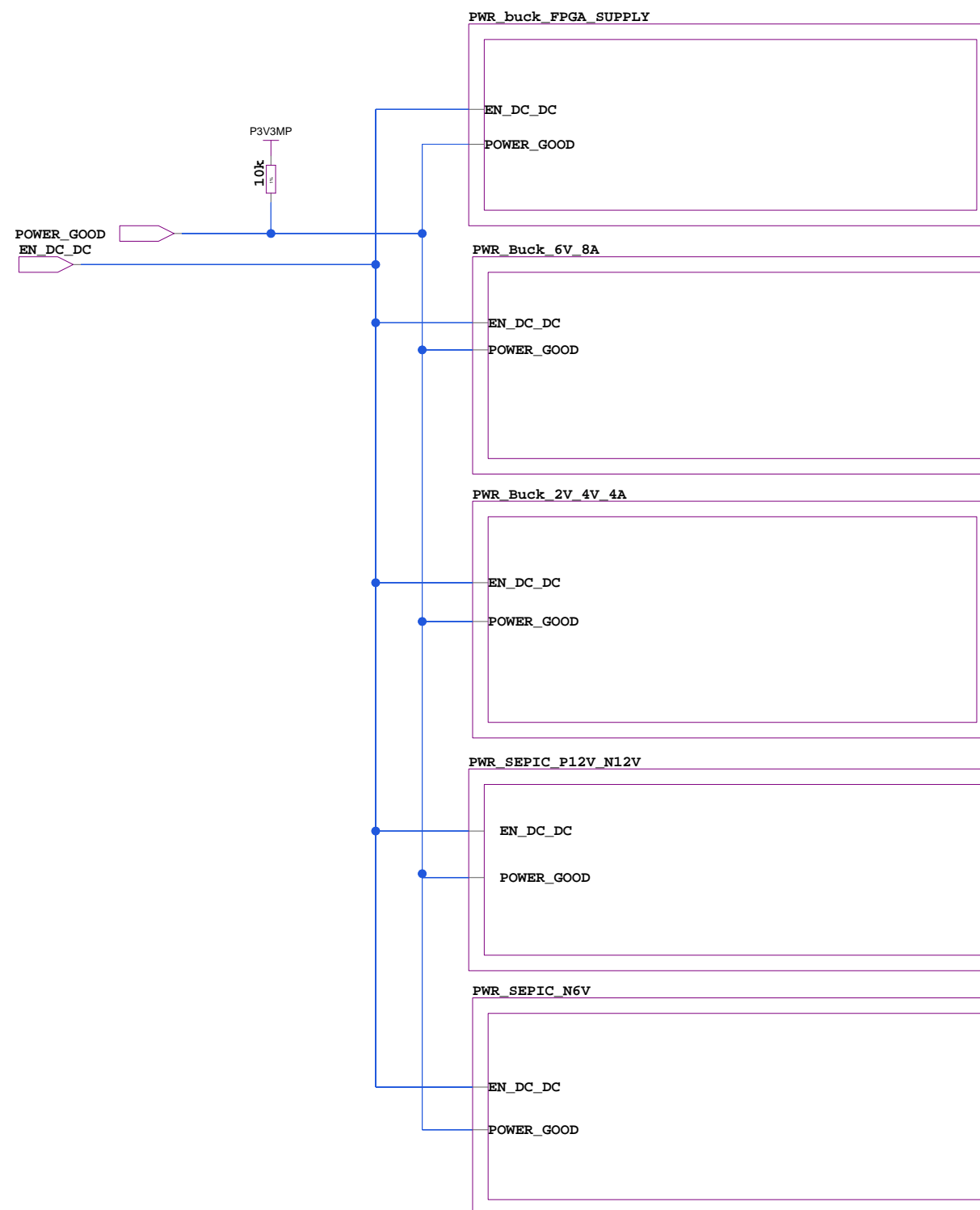


+12VDC @ 200 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
-12VDC @ 50 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
+6VDC @ 1.5 A, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
-6VDC rail @ 100 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
+3.3VDC @ 1 A, max 10 mV p-p noise in 20 Hz-20 MHz



# ADC\_DAC\_AFE\_Mezzanine

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SIZE	DWG NO	REV	
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# RTM\_POWER\_SUPPLY

RTM modules power requirements

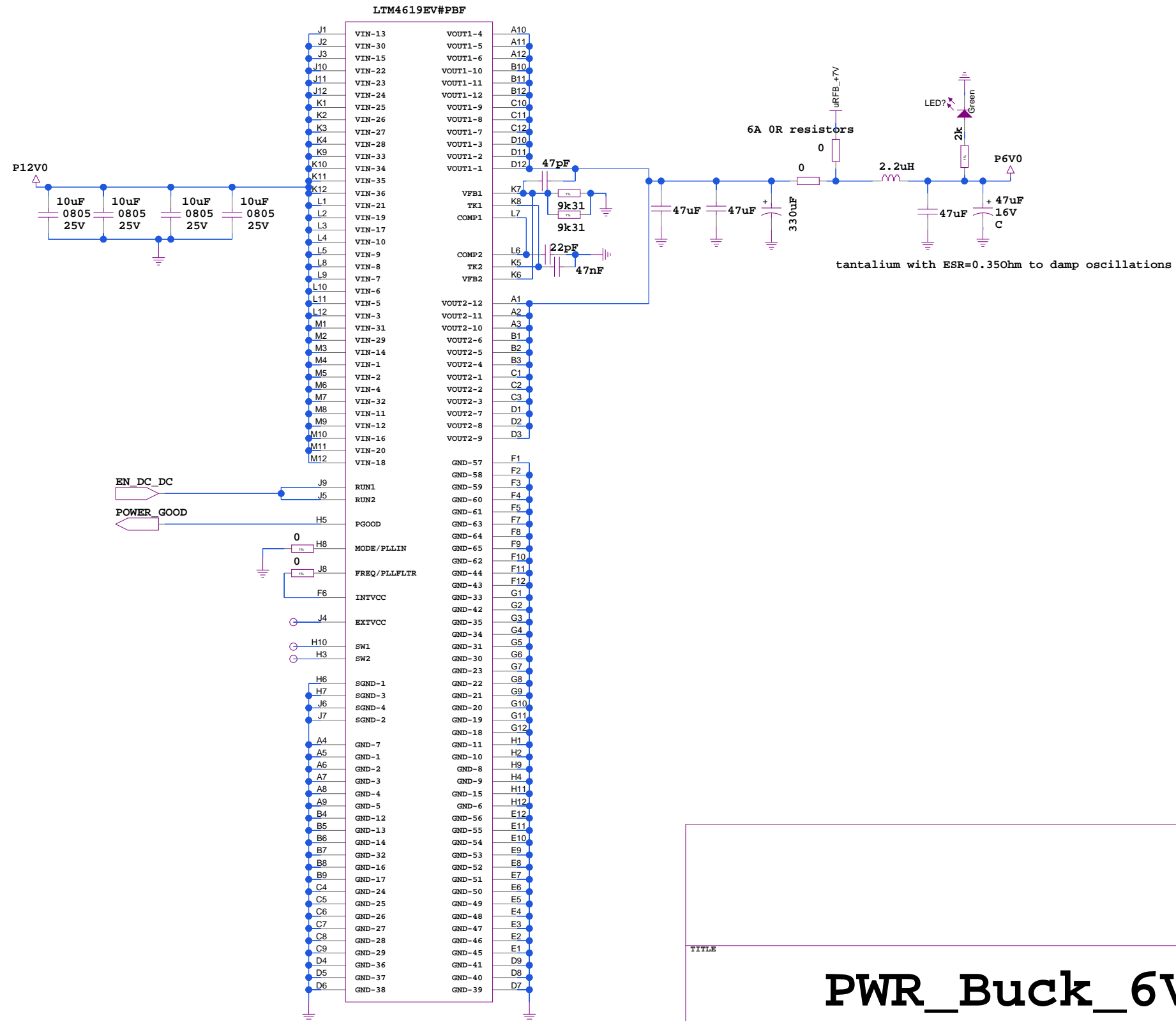
- +12VDC @ 1A, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth
- 12VDC @ 250 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth
- +6VDC @ 8 A, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth
- 6VDC rail @ 750 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth
- +3.3VDC @ 4 A, max 10 mV p-p noise in 20 Hz-20 MHz

RTM power requirements

- +4VDC @ 4 A, max 10 mV p-p noise in 20 Hz-20 MHz
- +2VDC @ 4 A, max 10 mV p-p noise in 20 Hz-20 MHz



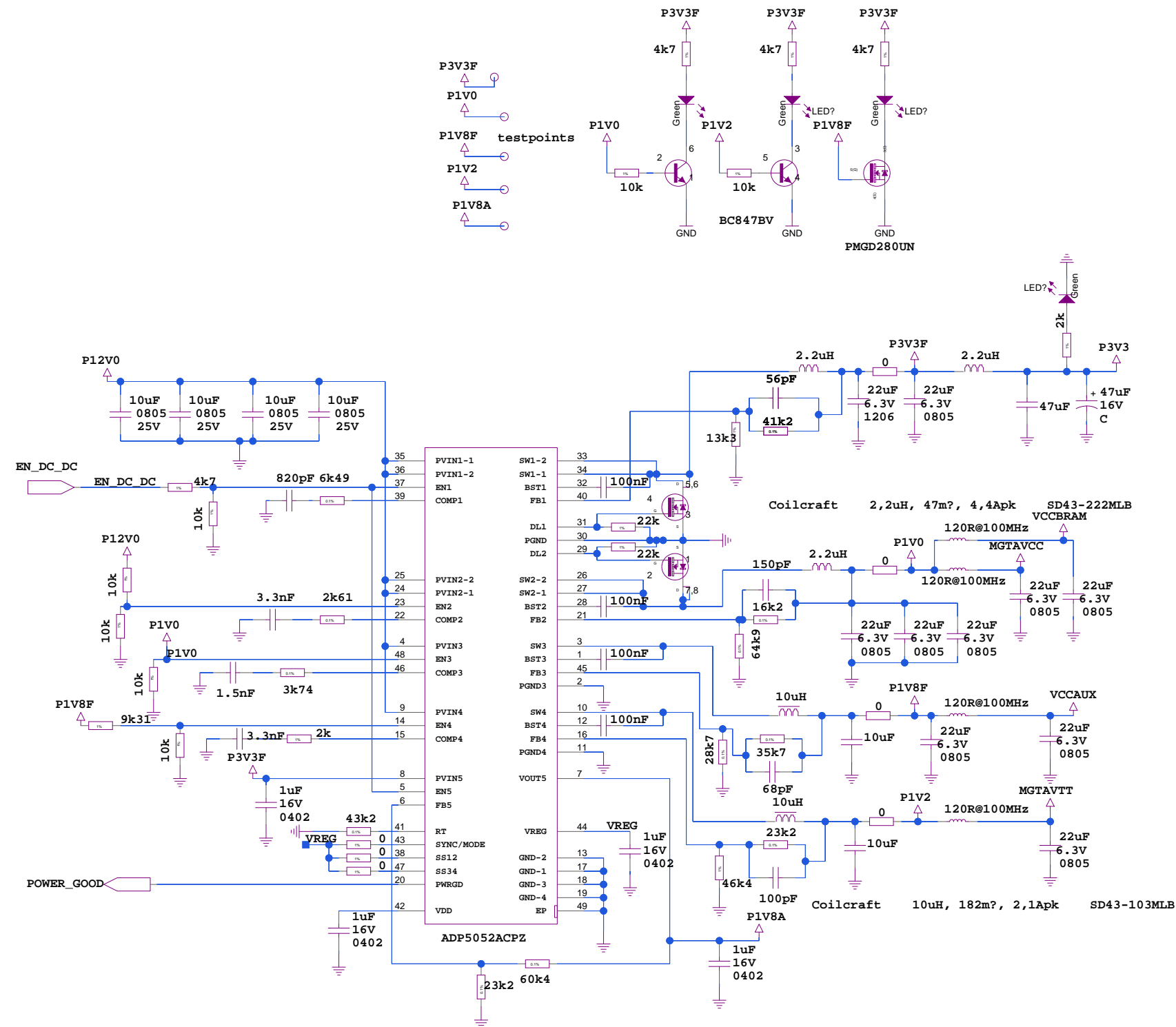




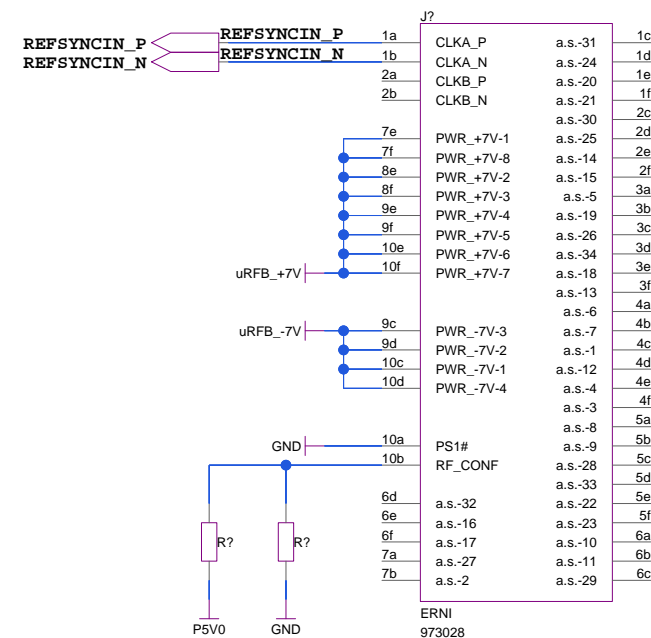
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02/11/2016:00:40

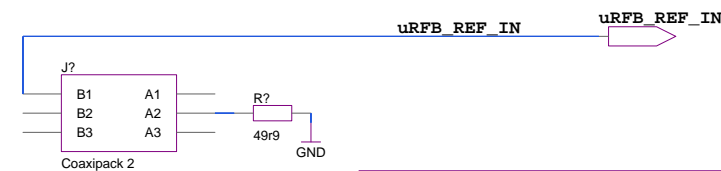


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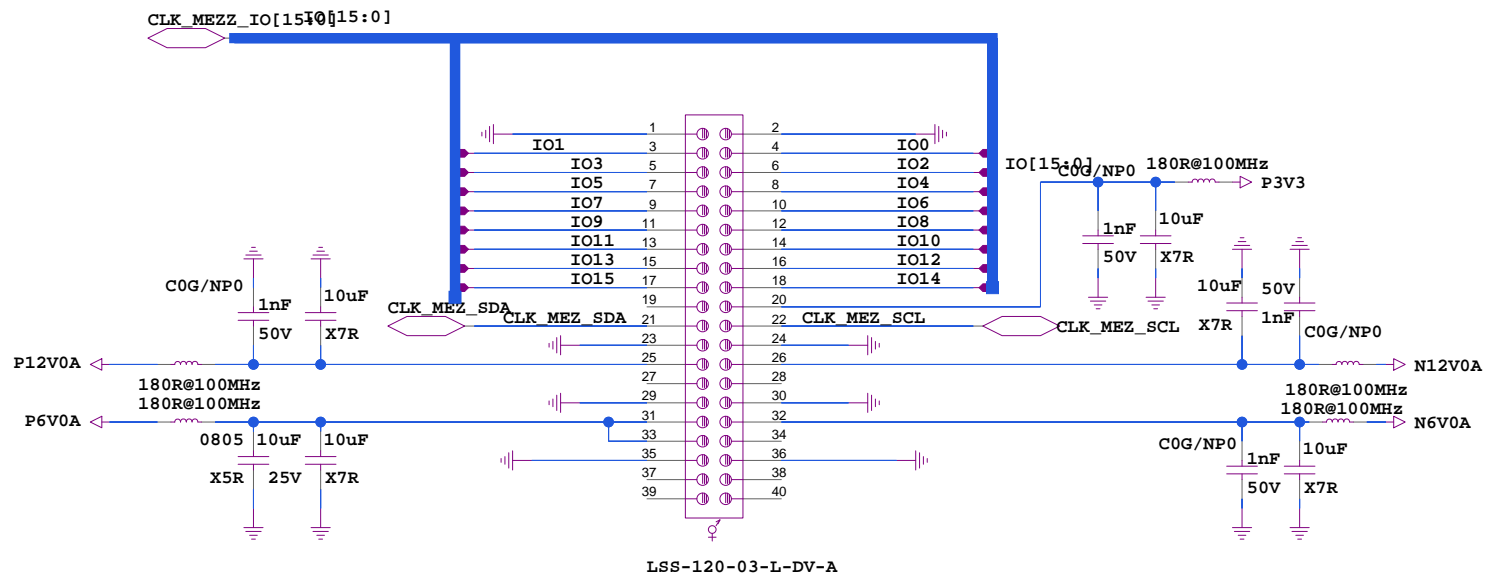
uRFB\_CLK\_IN\_P

uRFB\_CLK\_IN\_N

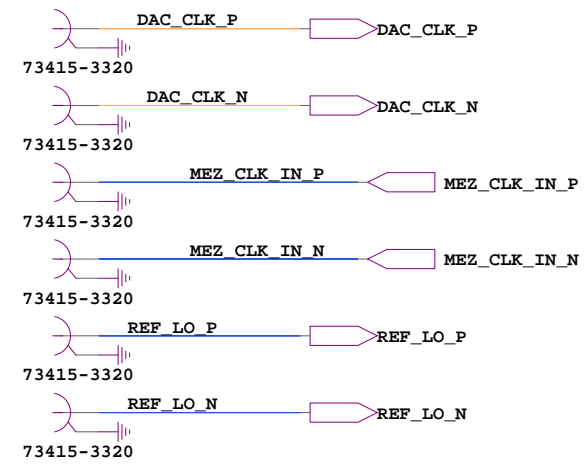


# uRFB\_Connectors

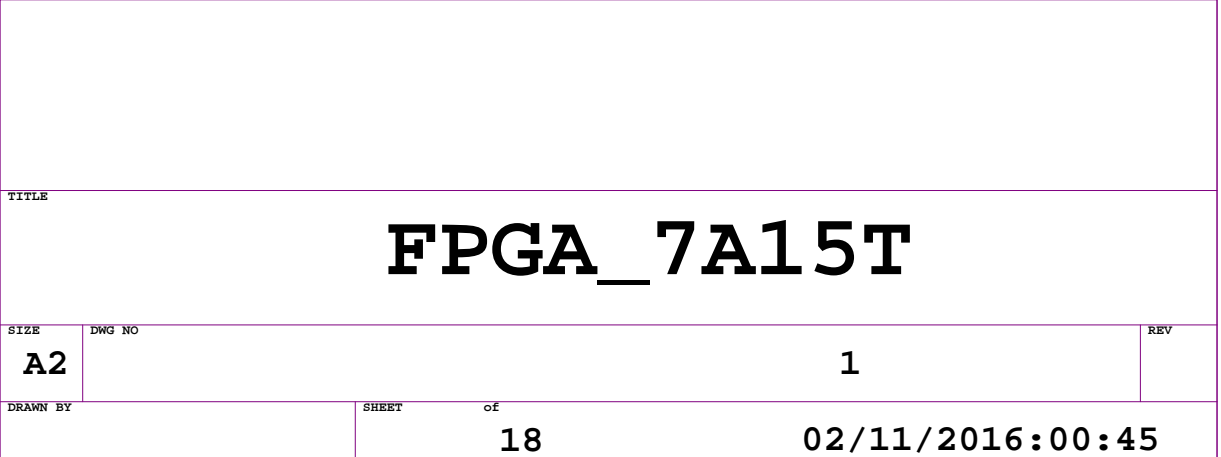
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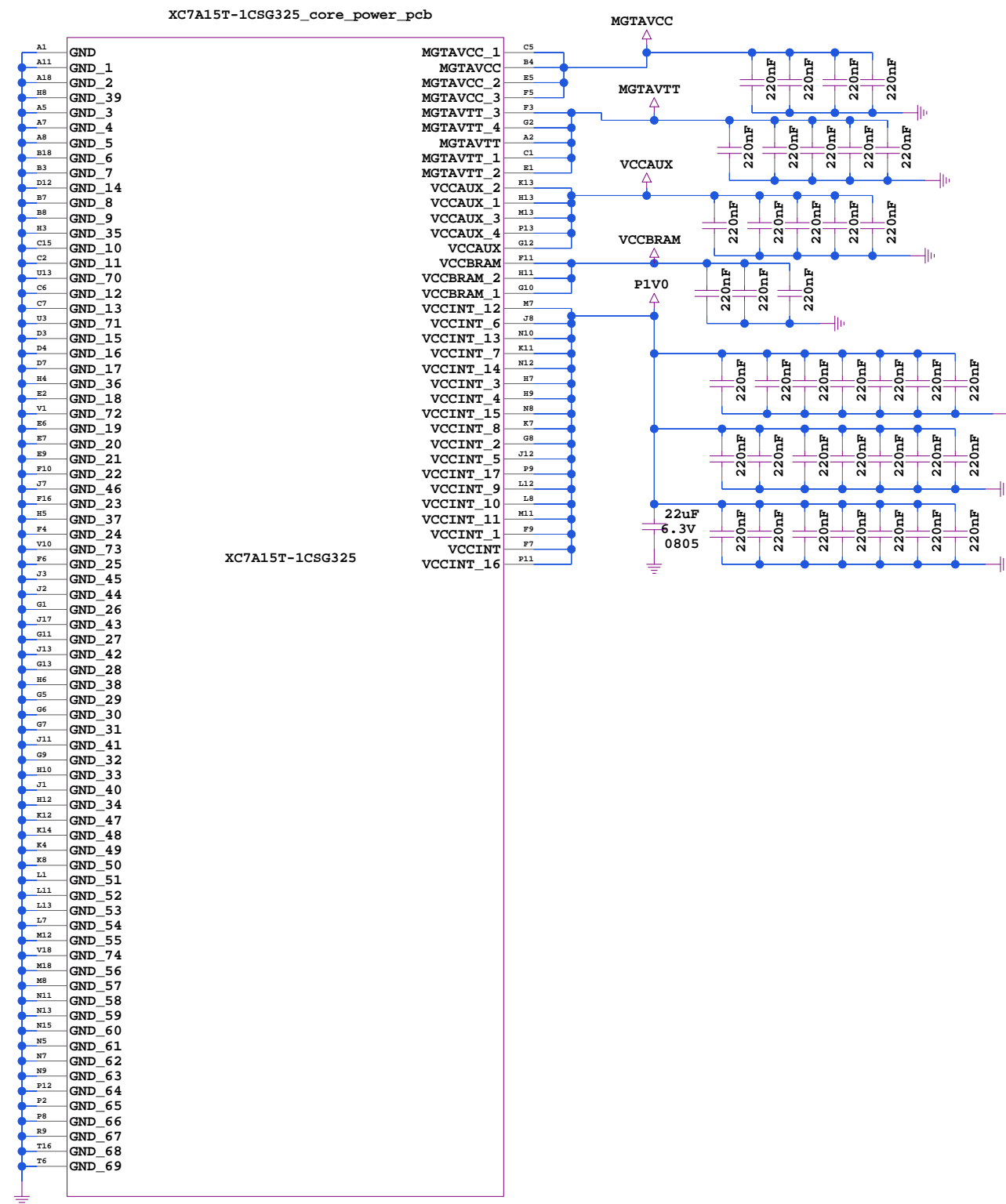
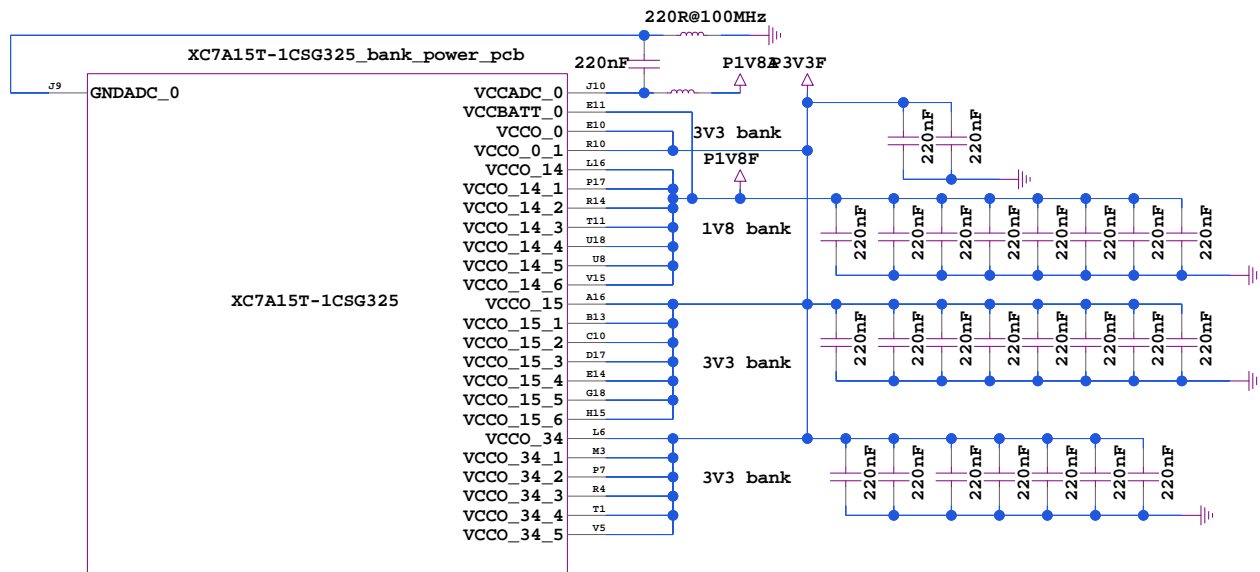
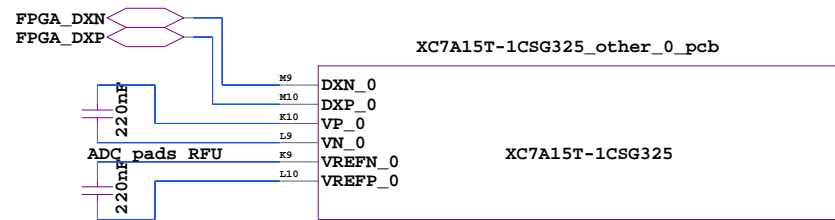


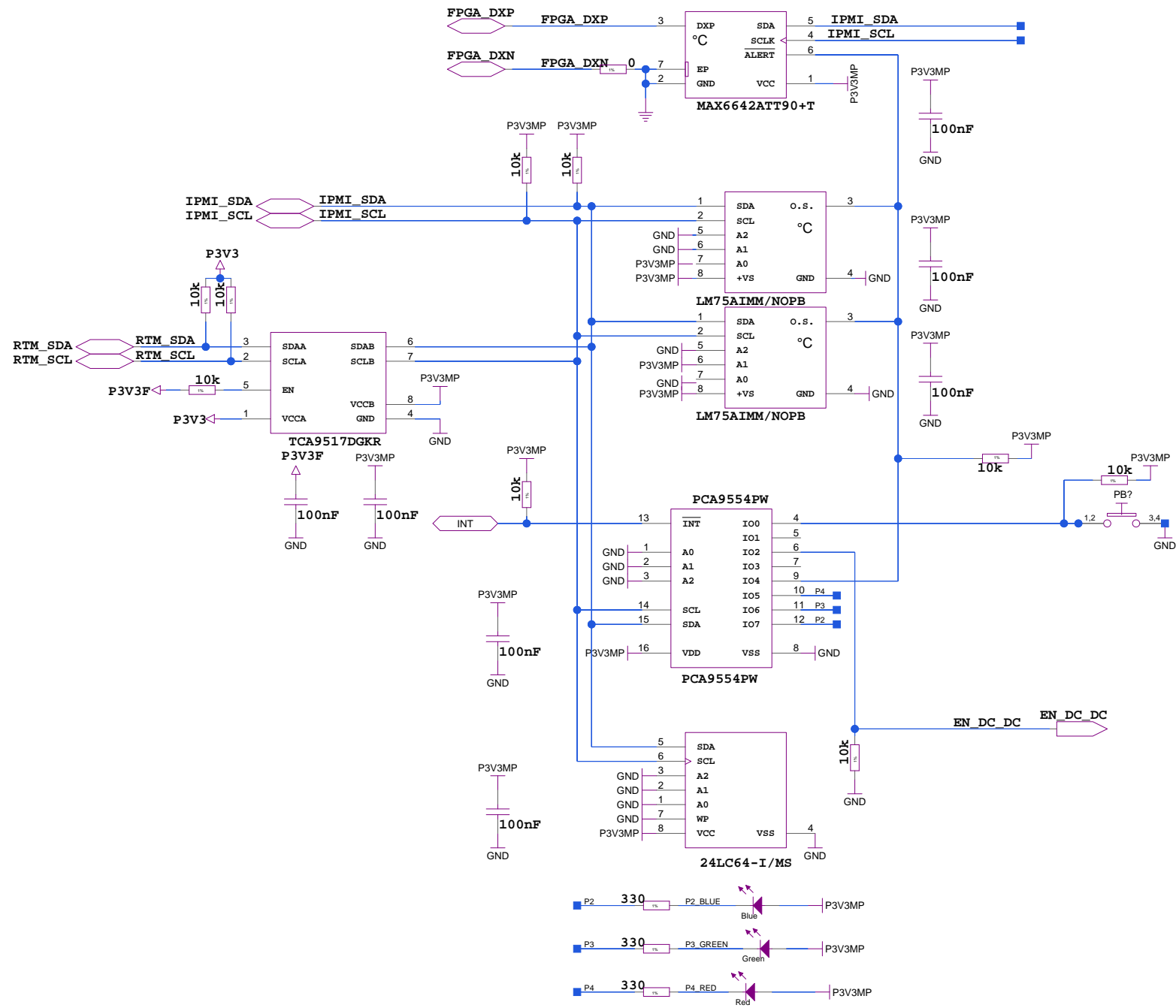
+12VDC @ 200 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
-12VDC @ 50 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
+6VDC @ 1.5 A, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
-6VDC rail @ 100 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
+3.3VDC @ 1 A, max 10 mV p-p noise in 20 Hz-20 MHz

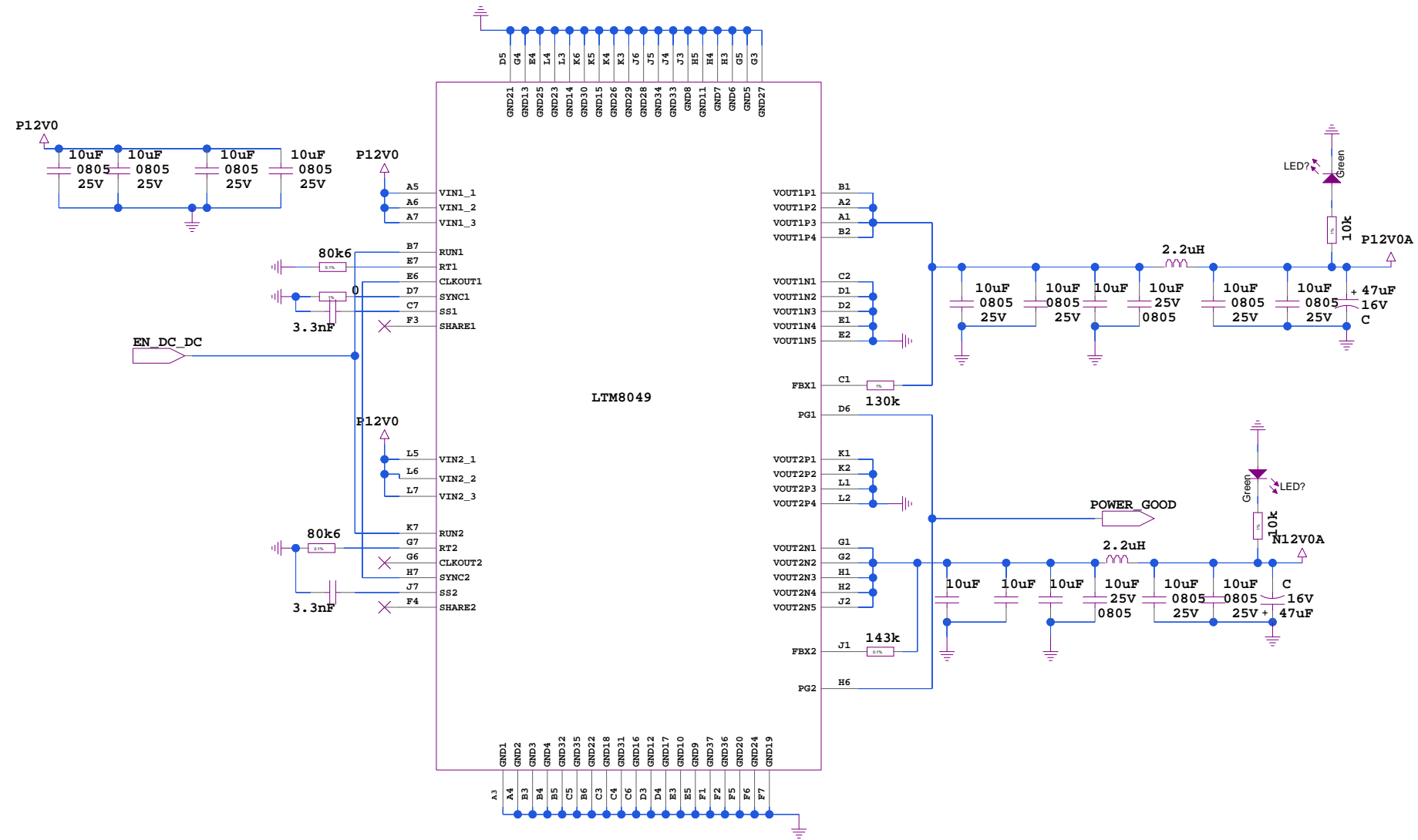


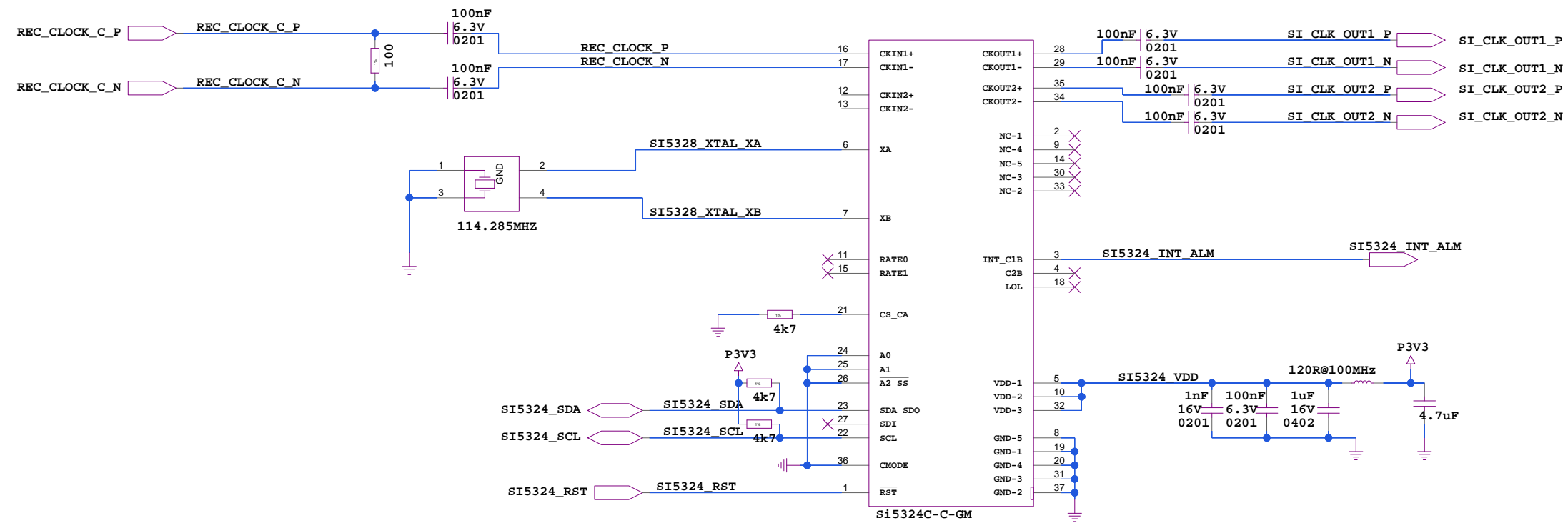




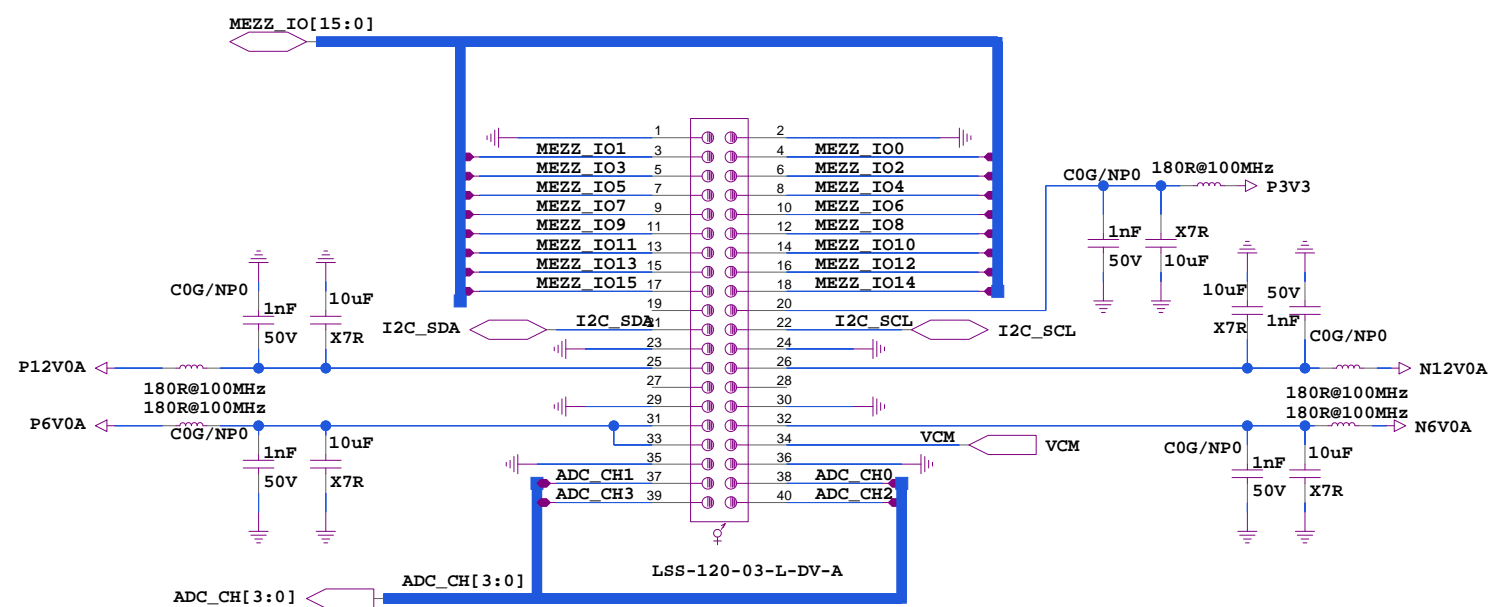




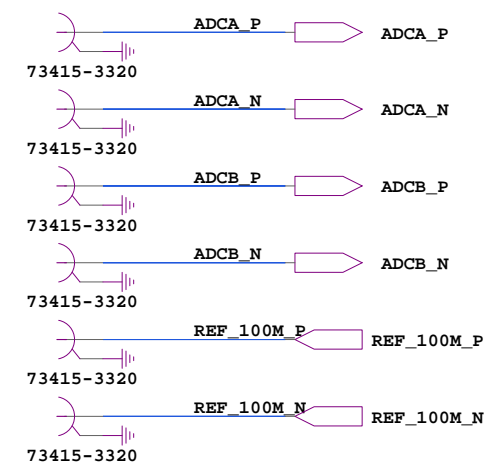
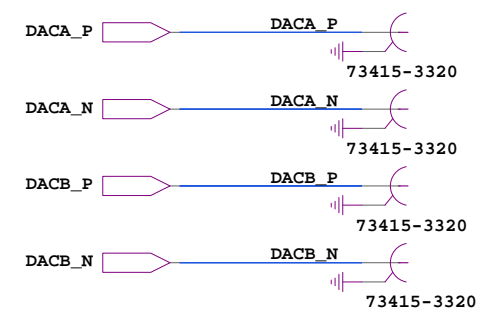








+12VDC @ 200 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
-12VDC @ 50 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
+6VDC @ 1.5 A, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
-6VDC rail @ 100 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
+3.3VDC @ 1 A, max 10 mV p-p noise in 20 Hz-20 MHz



# ADC\_DAC\_AFE\_Mezzanine

TITLE

SIZE  
A3

DWG NO

1

REV

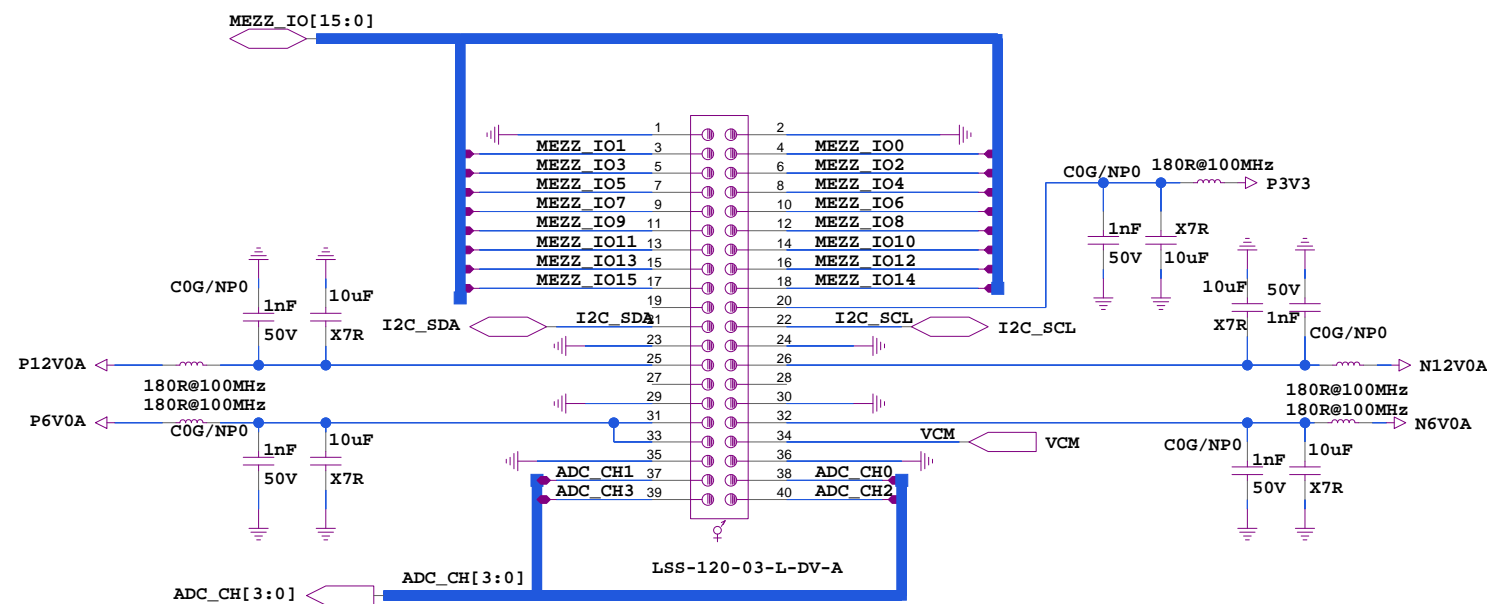
DRAWN BY

SHEET

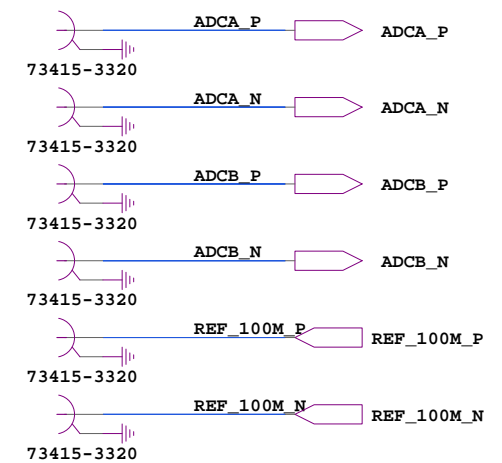
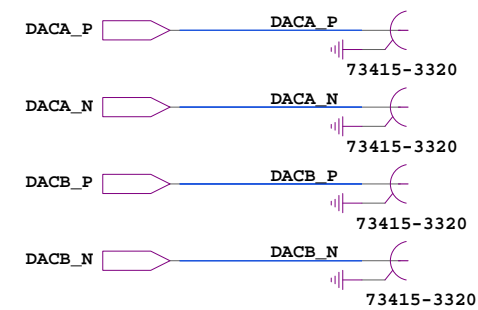
18

OF

02/11/2016:00:40

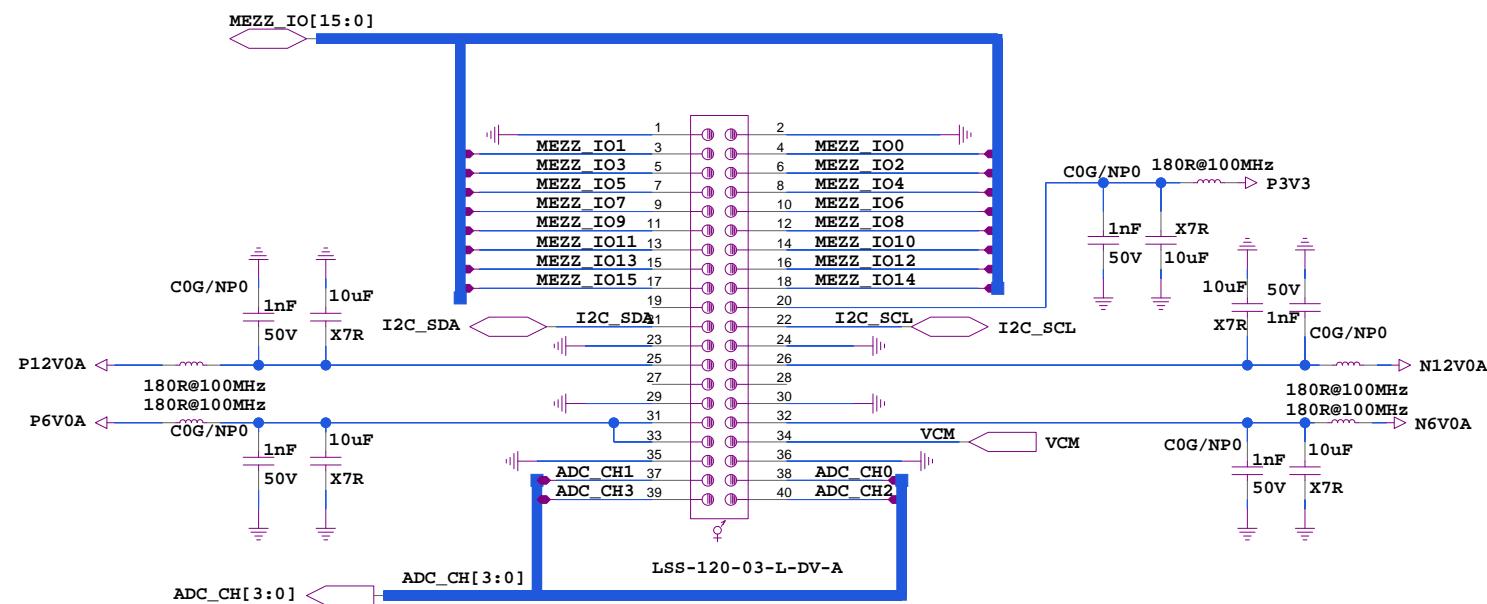


+12VDC @ 200 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
-12VDC @ 50 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
+6VDC @ 1.5 A, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
-6VDC rail @ 100 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
+3.3VDC @ 1 A, max 10 mV p-p noise in 20 Hz-20 MHz

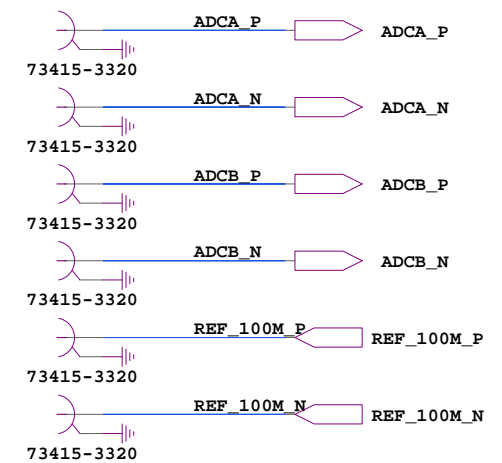
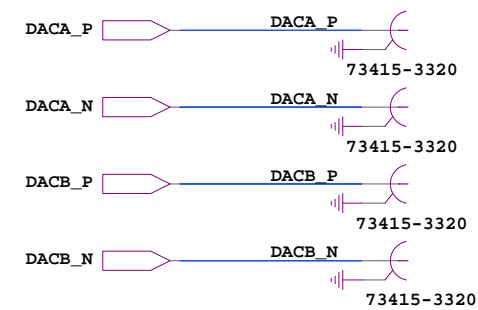


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TITLE			
SIZE	DWG NO	REV	
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DRAWN BY	SHEET	OF	
	18	02/11/2016:00:40	



+12VDC @ 200 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
-12VDC @ 50 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
+6VDC @ 1.5 A, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
-6VDC rail @ 100 mA, max 1 mV p-p noise in 20 Hz-20 MHz bandwidth  
+3.3VDC @ 1 A, max 10 mV p-p noise in 20 Hz-20 MHz



# ADC\_DAC\_AFE\_Mezzanine

TITLE

SIZE  
A3

DWG NO

1

REV

DRAWN BY

SHEET

18

OF

02/11/2016:00:40

IOVDD=3.3

Replace with W2L16C473MAT1S

Replace with W2L16C473MAT1S

DAC\_JESD204B

TITLE		
SIZE	DWG NO	REV
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DRAWN BY	SHEET OF	02/11/2016:00:40
	18	

