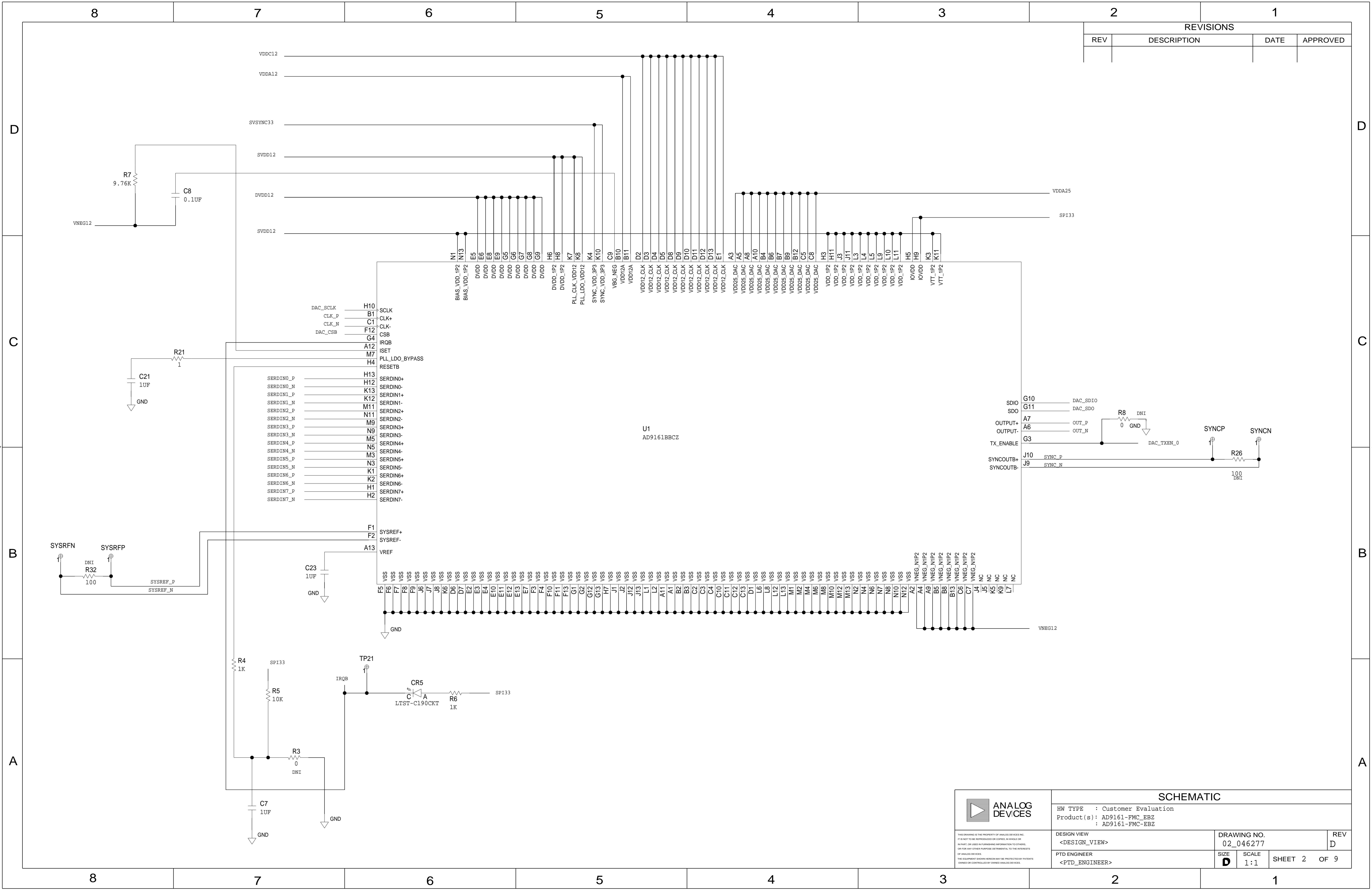




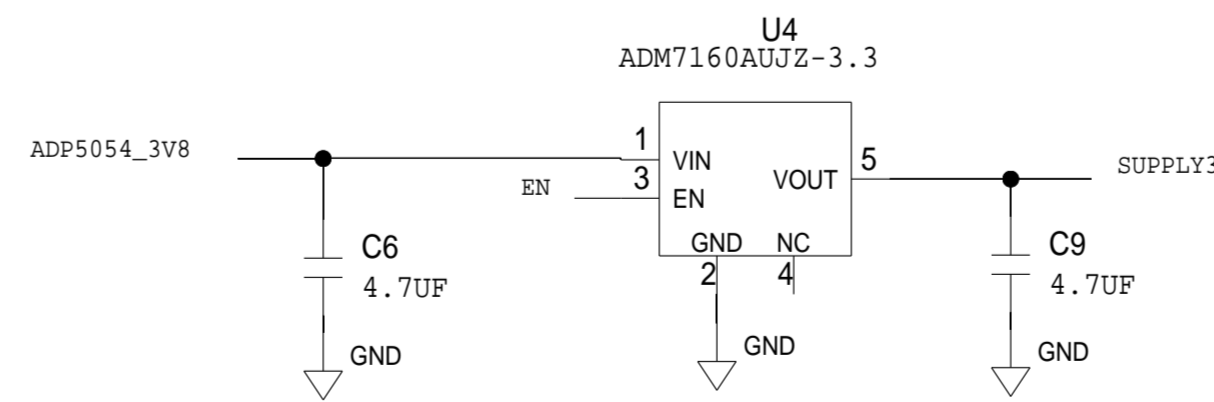
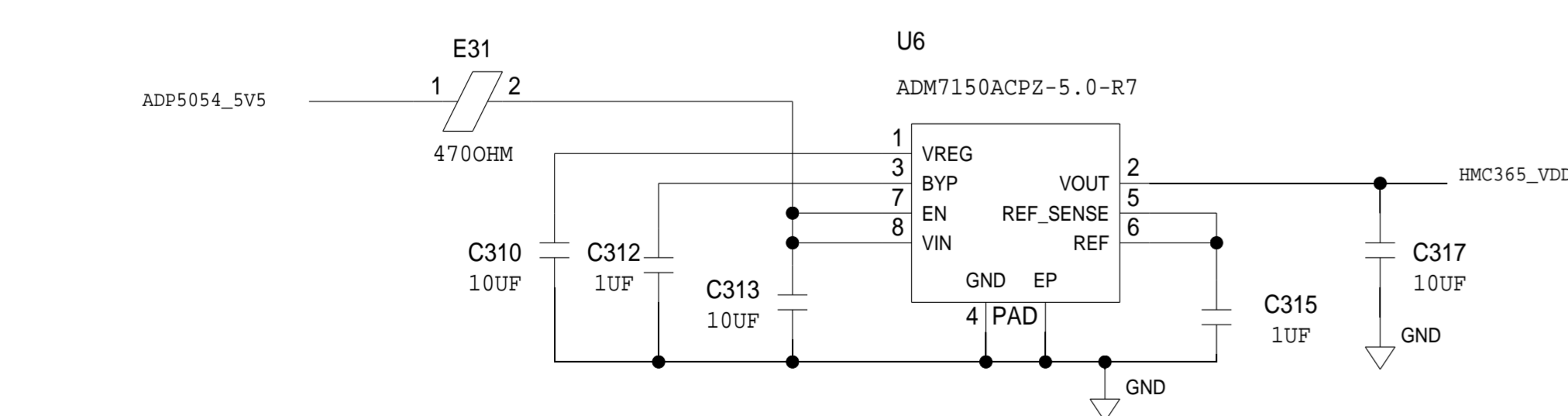
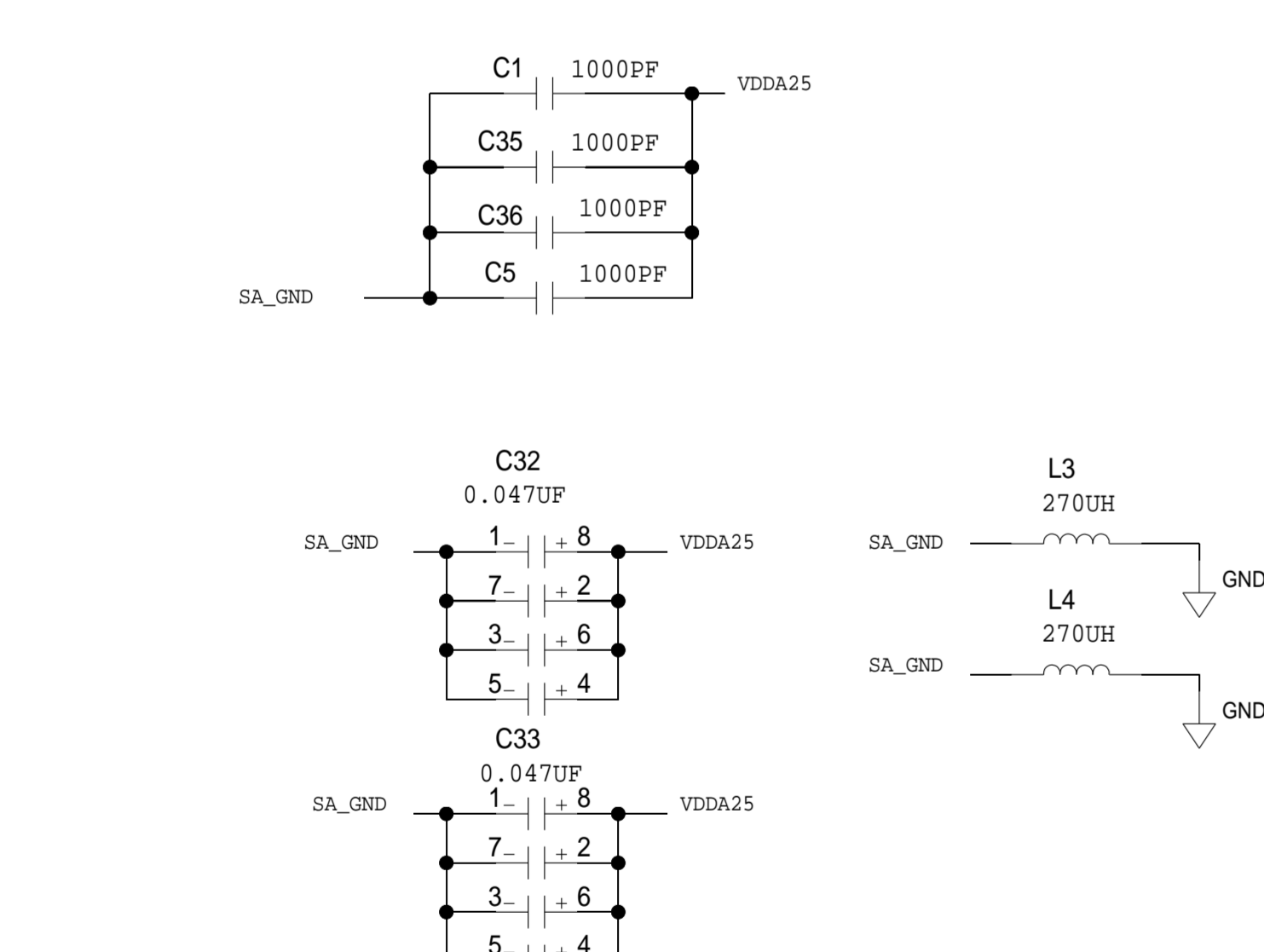
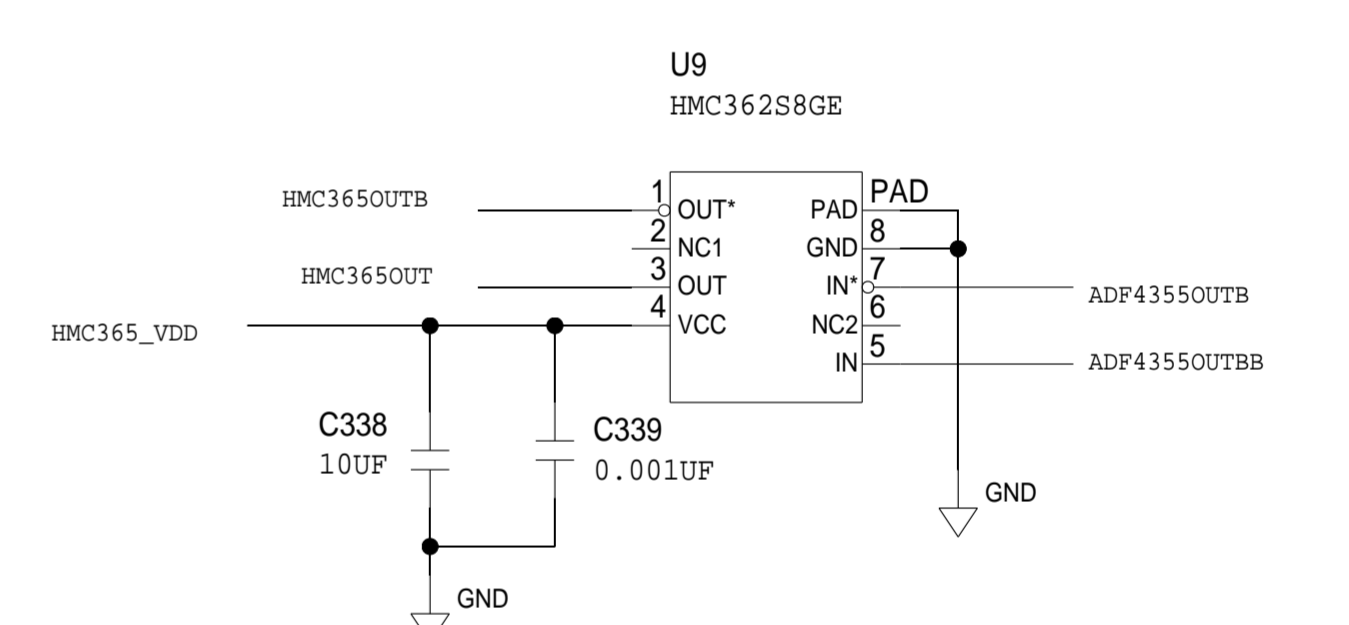
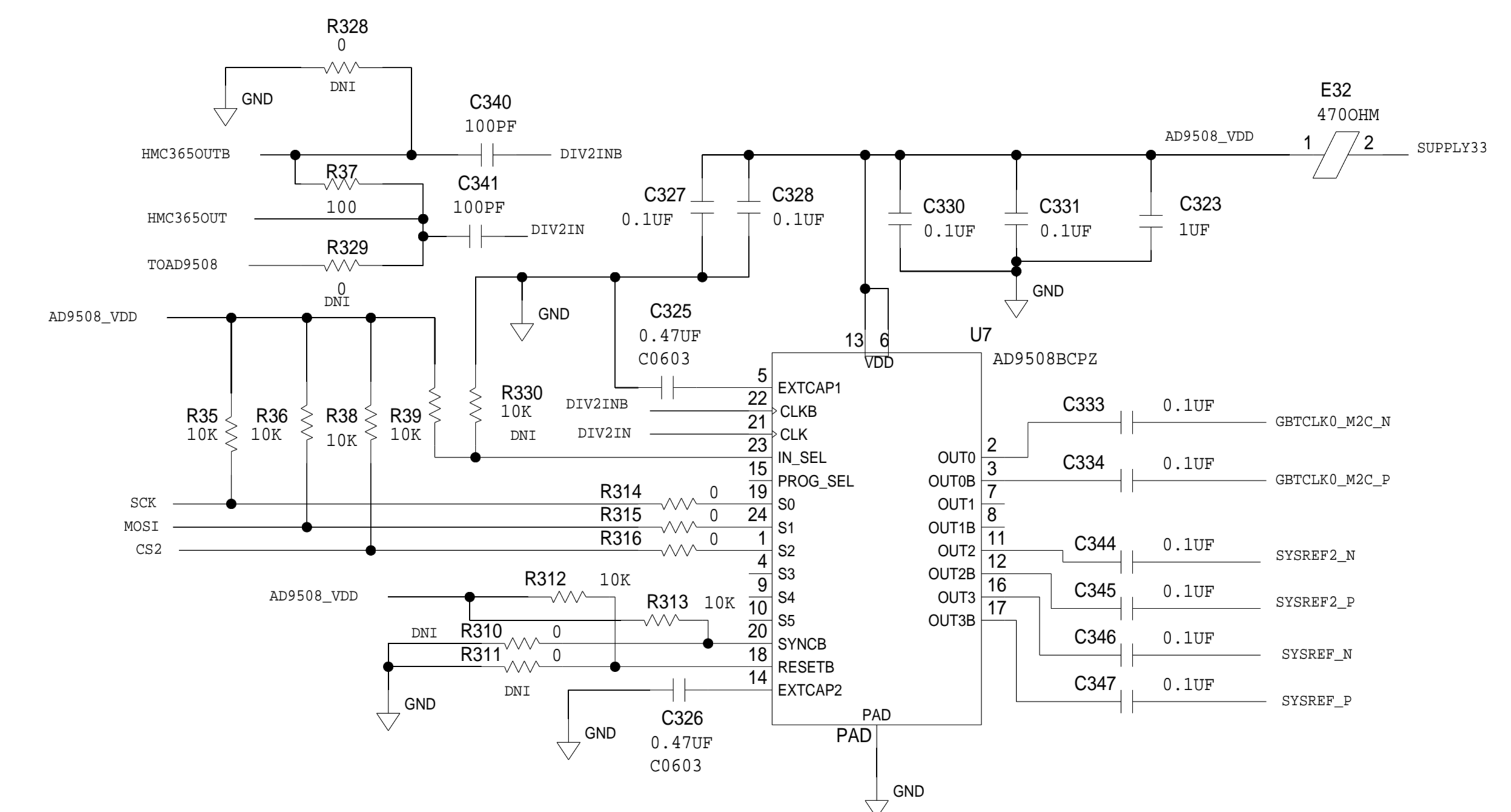
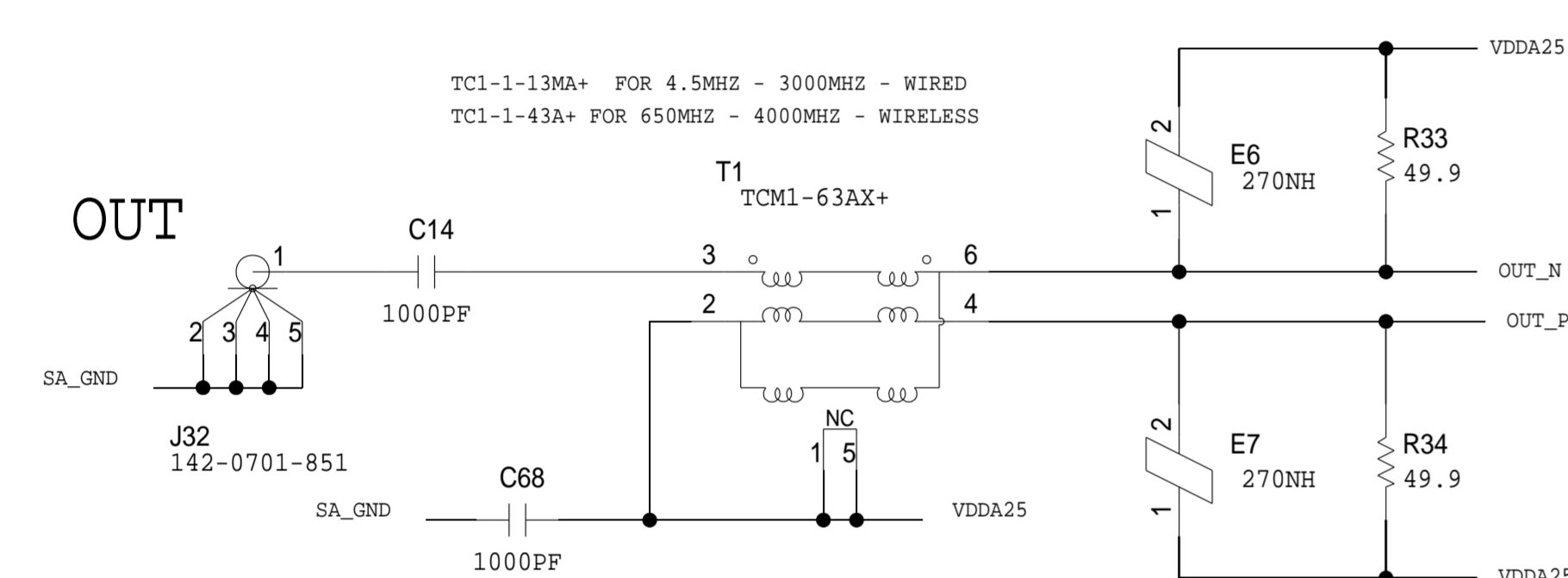
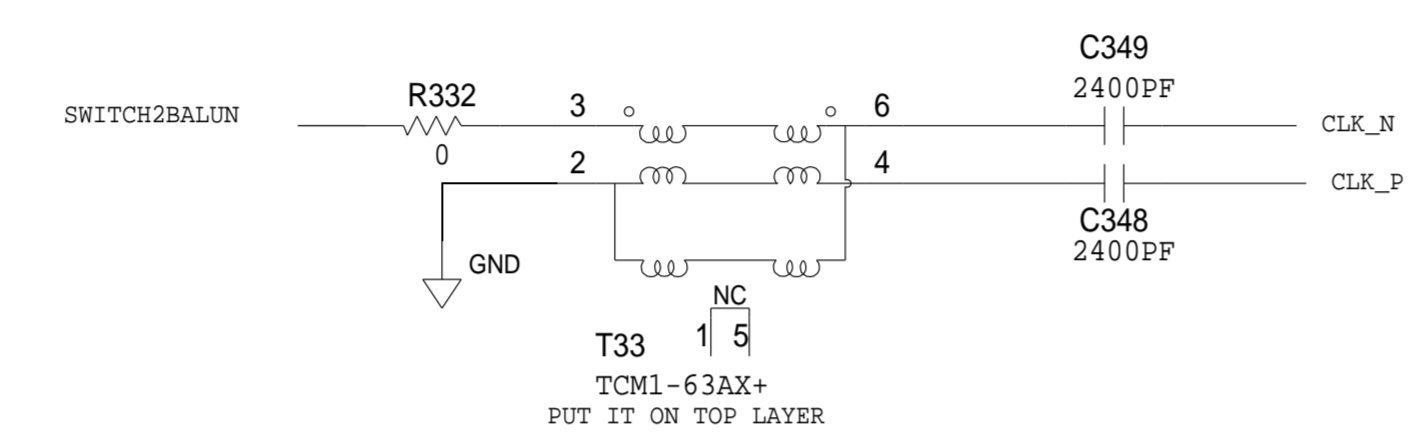
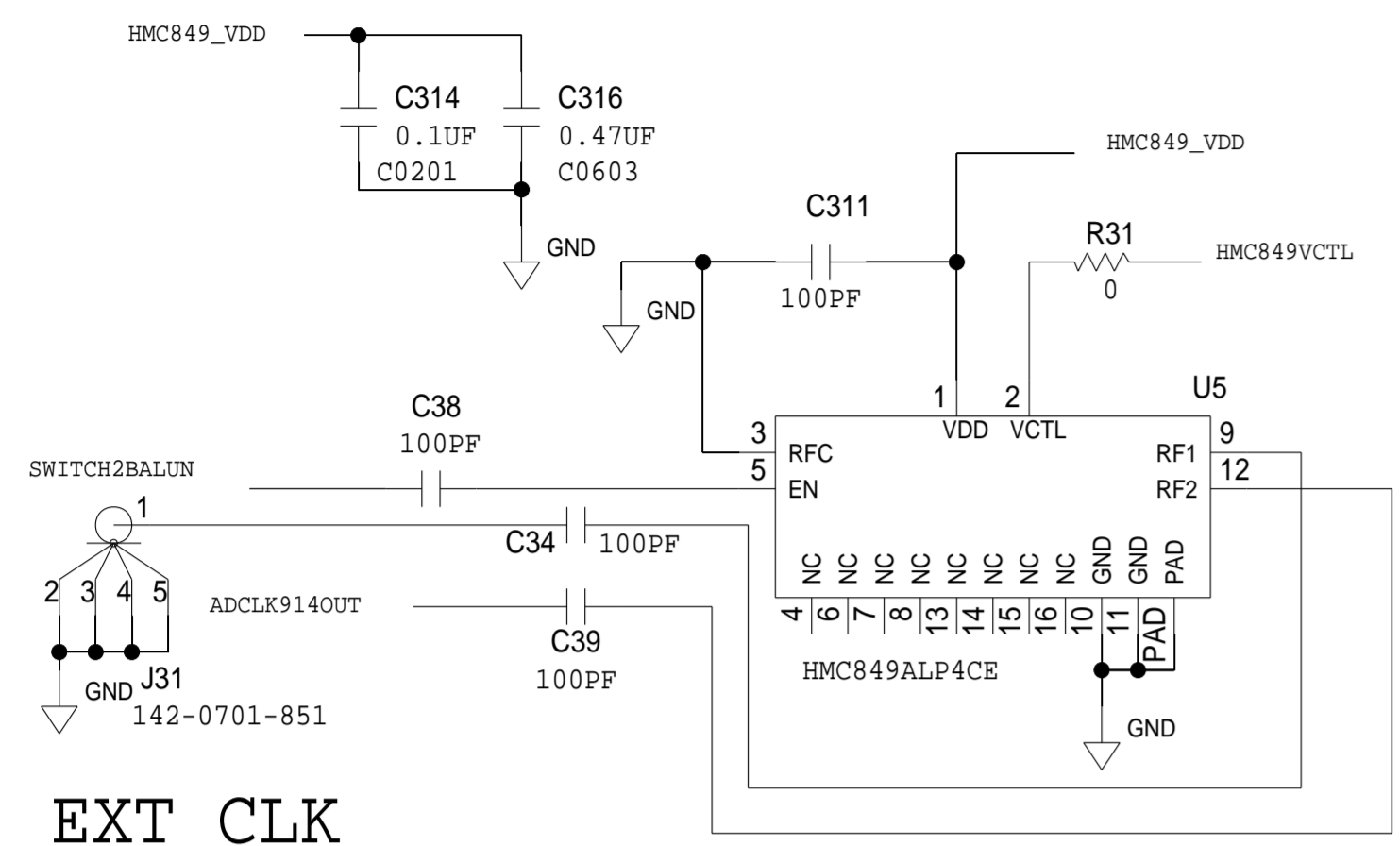
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



	<b>SCHEMATIC</b>		
	HW TYPE : Customer Evaluation Product(s) : AD9161-FMC_EBZ : AD9161-FMC_EBZ		
	DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_046277	REV D
	PTD ENGINEER <PTD_ENGINEER>	SIZE D	SCALE 1:1
		SHEET 2 OF 9	

# DAC OUTPUT & CLK & POWER SEQUENCE

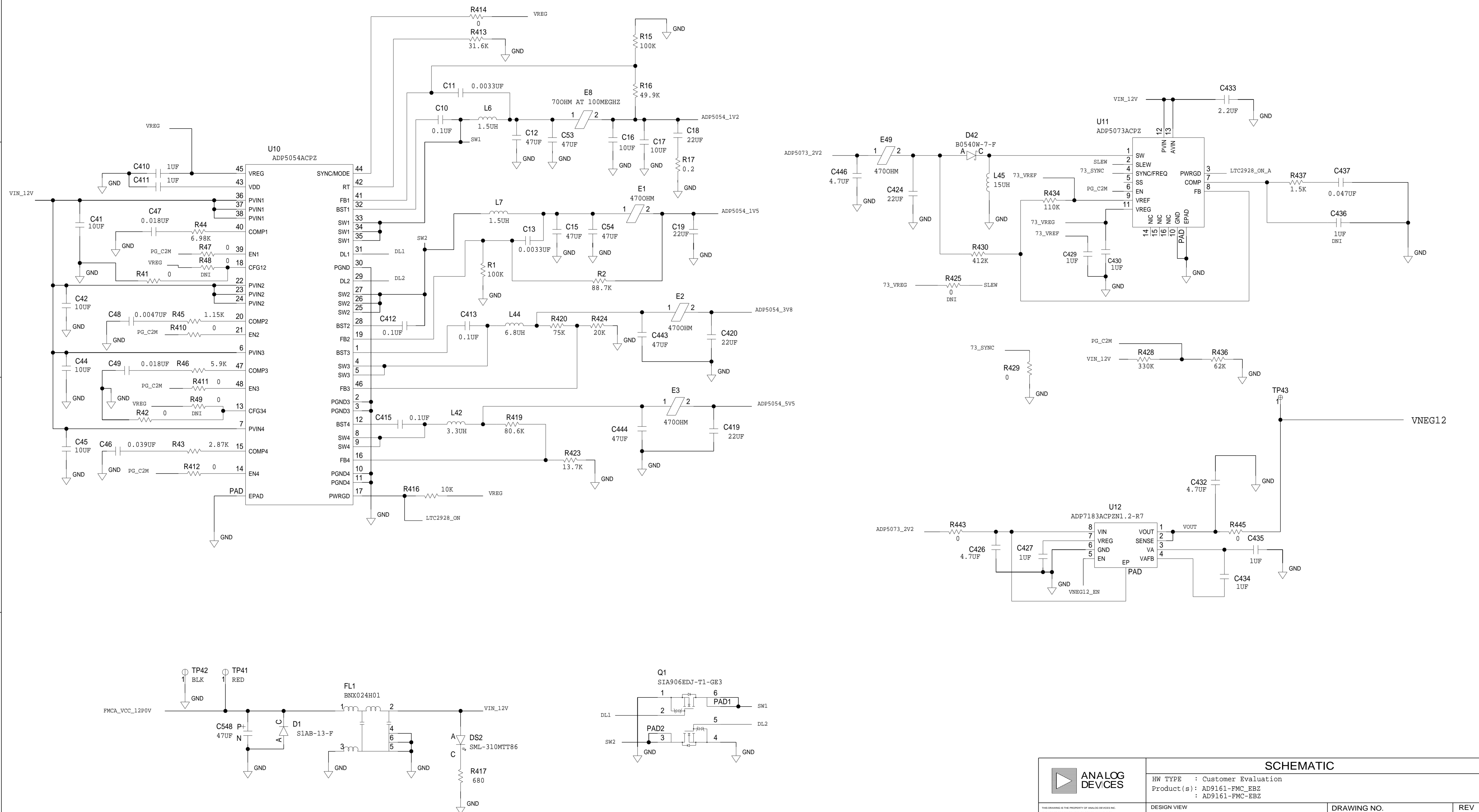
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



	<b>SCHEMATIC</b>		
	HW TYPE: AD9161-FWC-EBZ Product ID: AD9161-FWC-EBZ		
	DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_046277	REV D
	PTD ENGINEER <PTD_ENGINEER>	SIZE D	SCALE 1:1
SHEET 3 OF 9		REV D	

# POWER - REGULATOR & NEG LDO

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

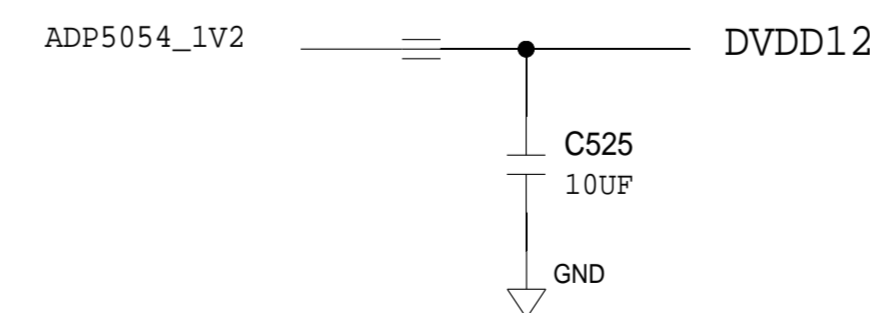
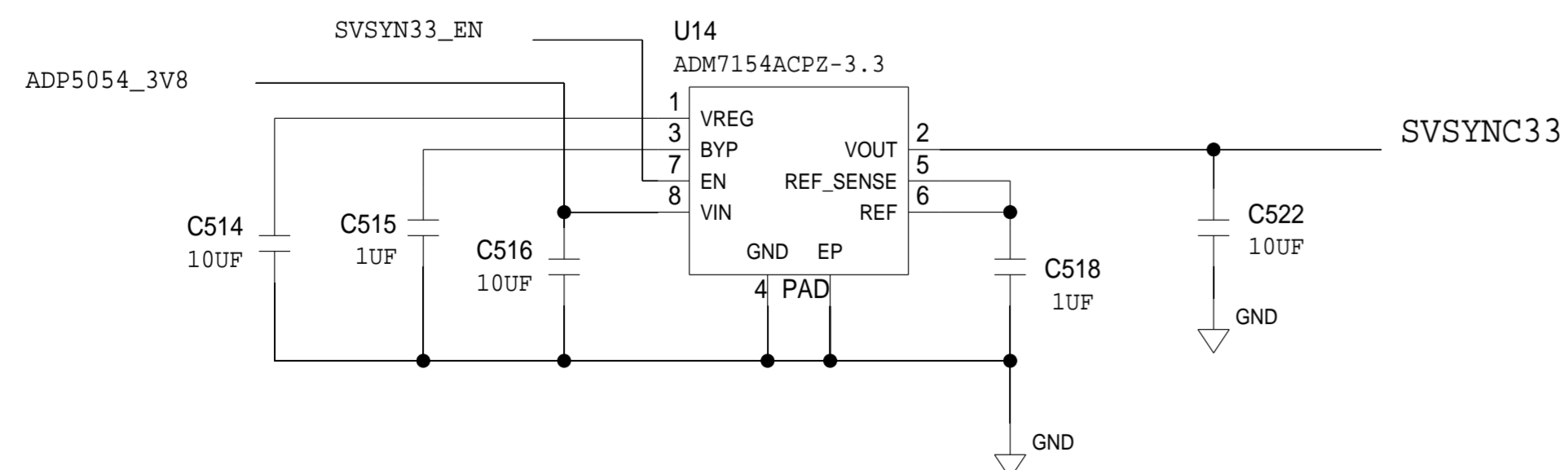
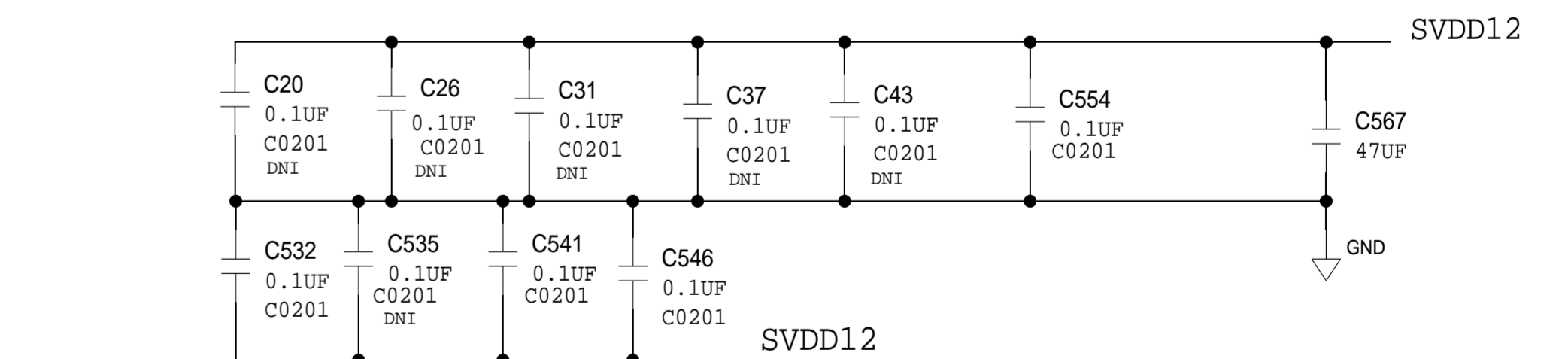
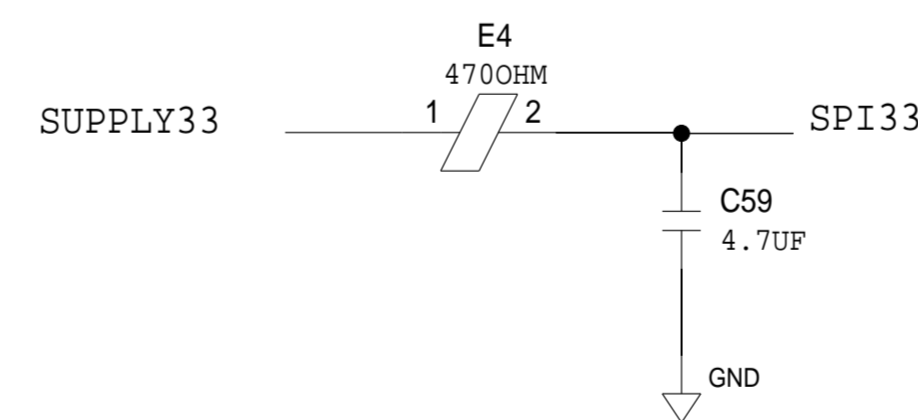
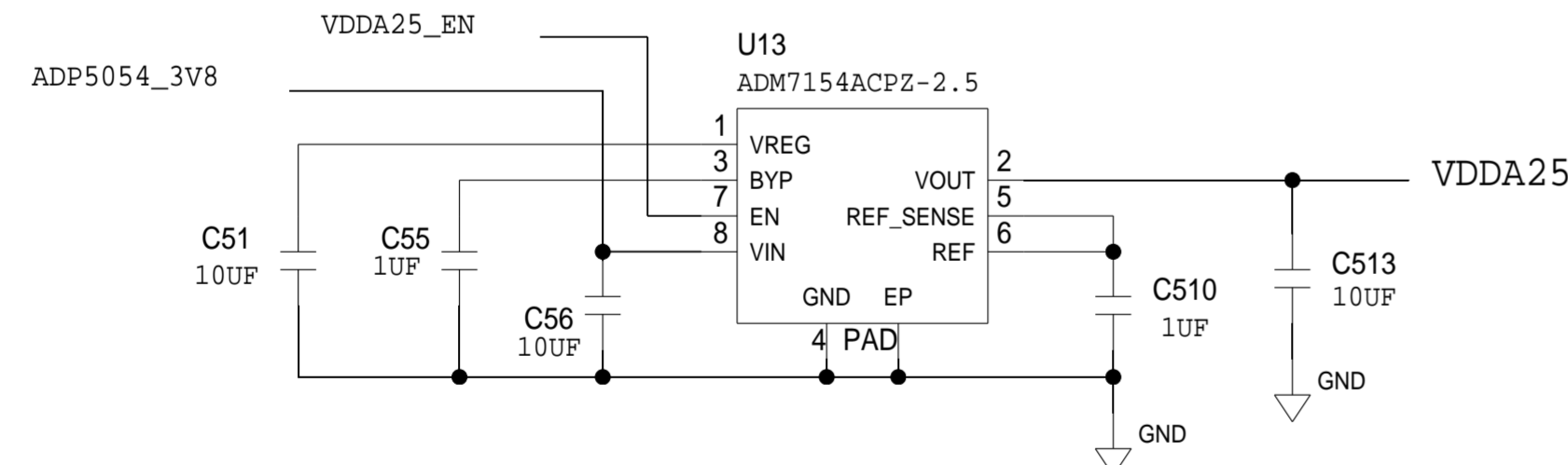
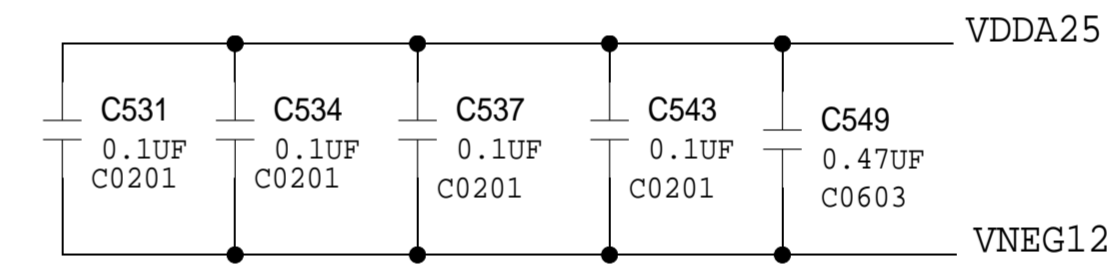
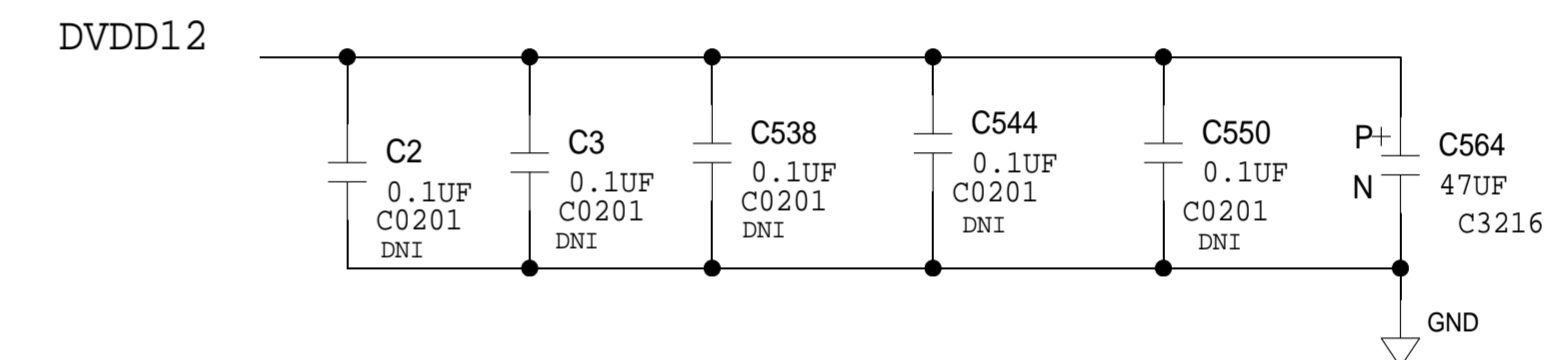
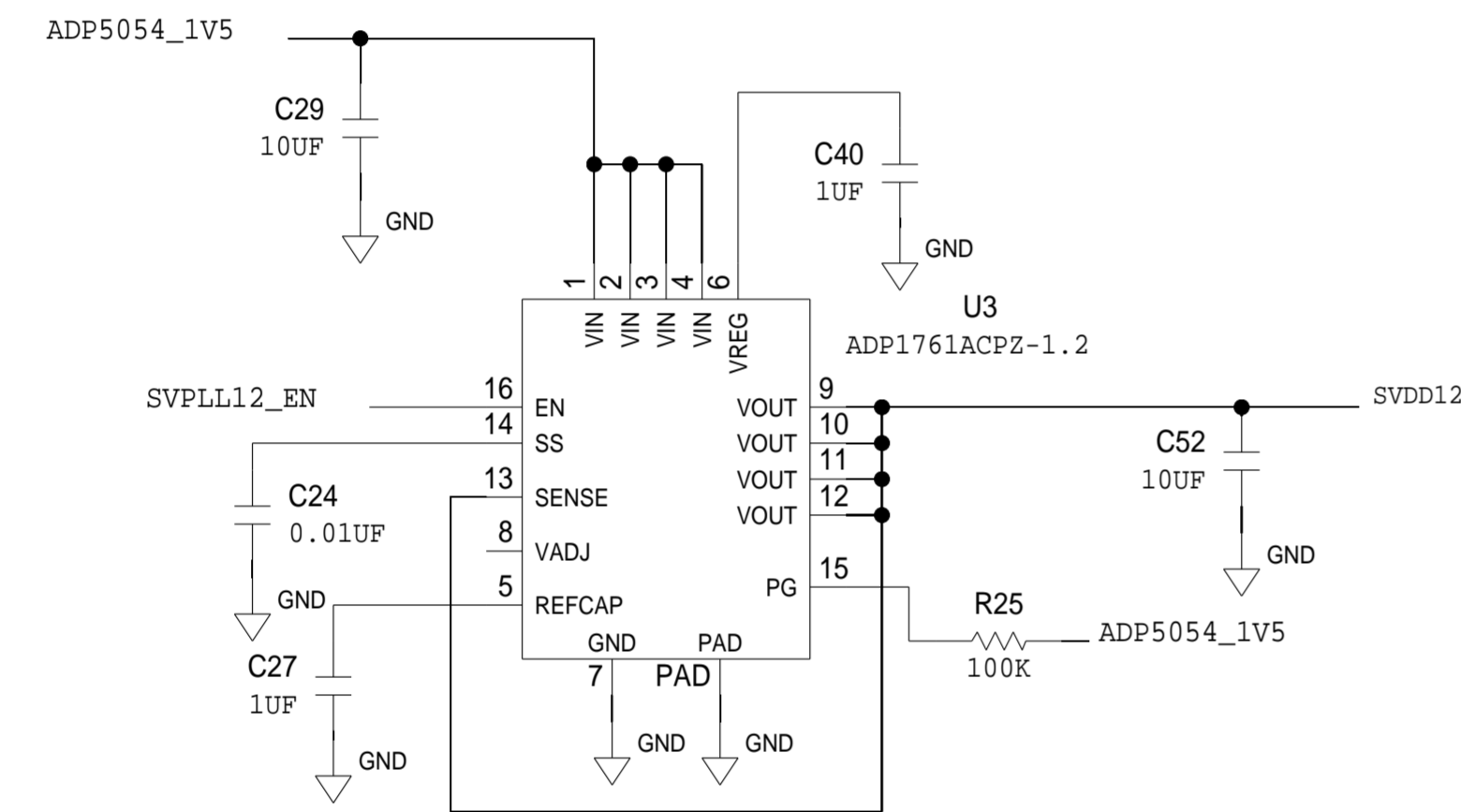
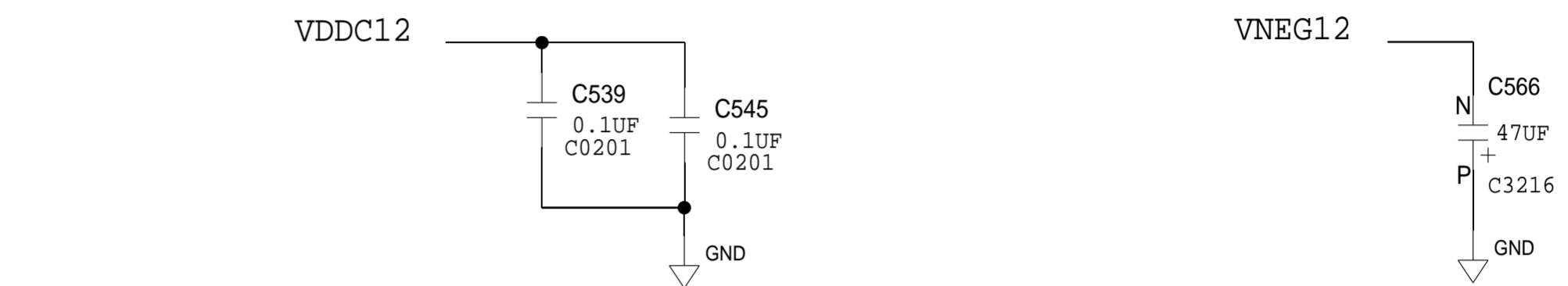
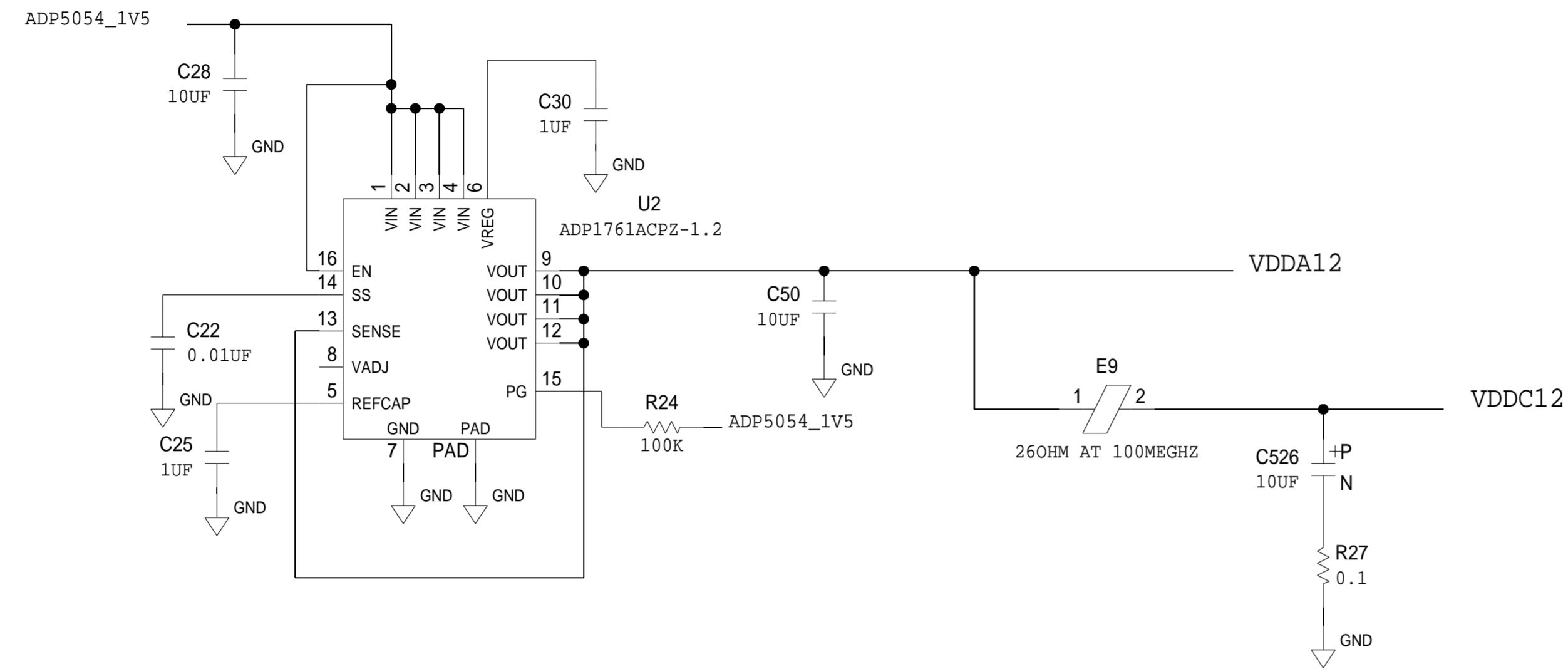


ANALOG DEVICES			
SCHEMATIC			
HW TYPE : Customer Evaluation		DRAWING NO. 02_046277	
Product(s) : AD9161-FMC_EBZ		REV D	
DESIGN VIEW <DESIGN_VIEW>		SIZE D	SCALE 1:1
PTD ENGINEER <PTD_ENGINEER>		SHEET 4 OF 9	

THIS DRAWING IS THE PROPERTY OF ANALOG DEVICES INC. IT IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR USED IN ANY MANNER THAT IS DETRIMENTAL TO THE INTERESTS OF ANALOG DEVICES. THE EQUIPMENT SHOWN HEREIN MAY BE PROTECTED BY PATENTS OWNED OR CONTROLLED BY ANALOG DEVICES.

# POWER - LDO

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

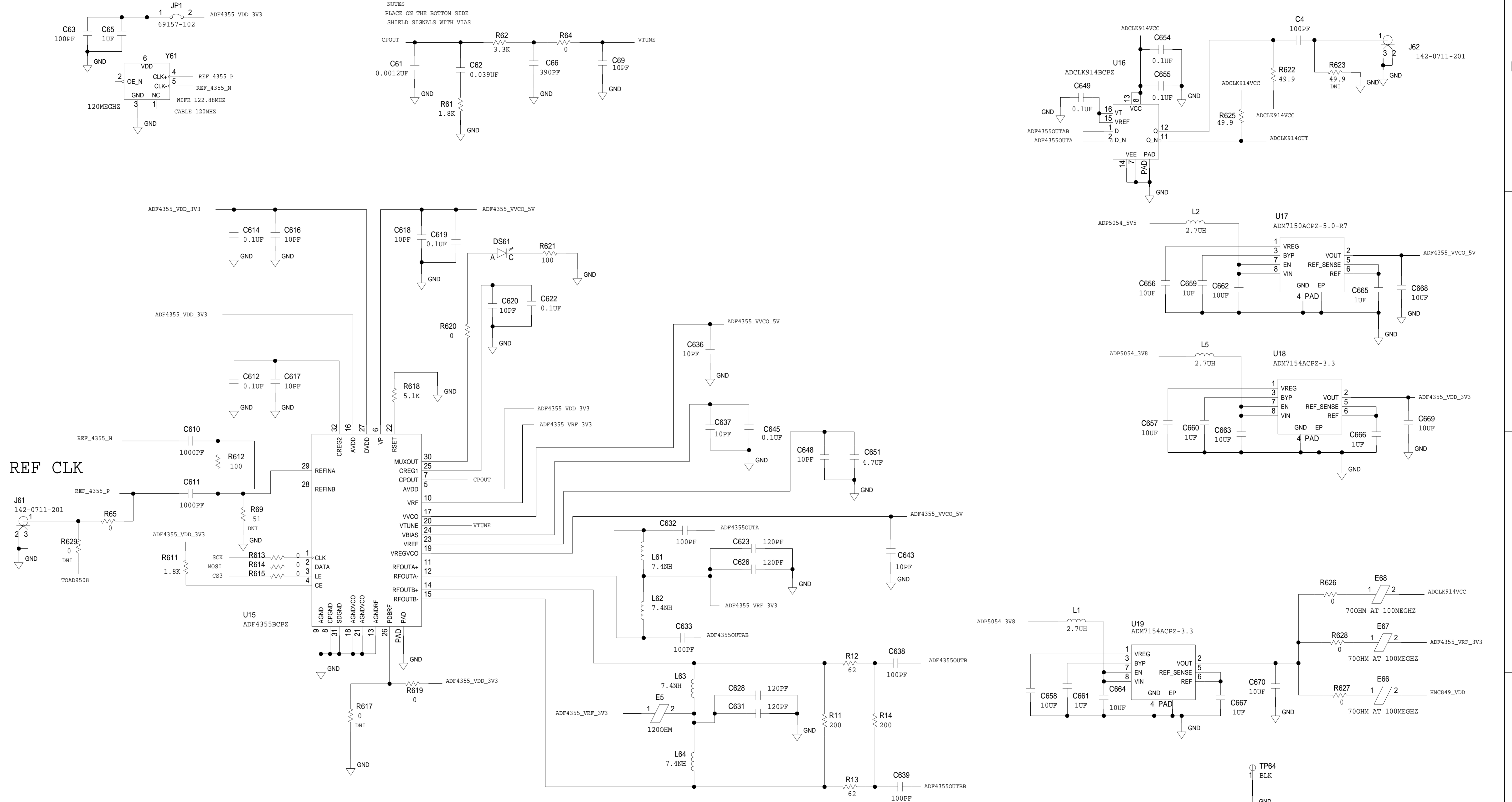


ANALOG DEVICES		SCHEMATIC		
HW TYPE : Customer Evaluation Product(s) : AD9161-FMC_EBZ : AD9161-FMC-EBZ		DRAWING NO. 02_046277		REV D
DESIGN VIEW <DESIGN_VIEW>		SIZE D	SCALE 1:1	SHEET 5 OF 9
PTD ENGINEER <PTD_ENGINEER>				

# ONBOARD CLK - ADF4355-2 & CLK BUFFER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

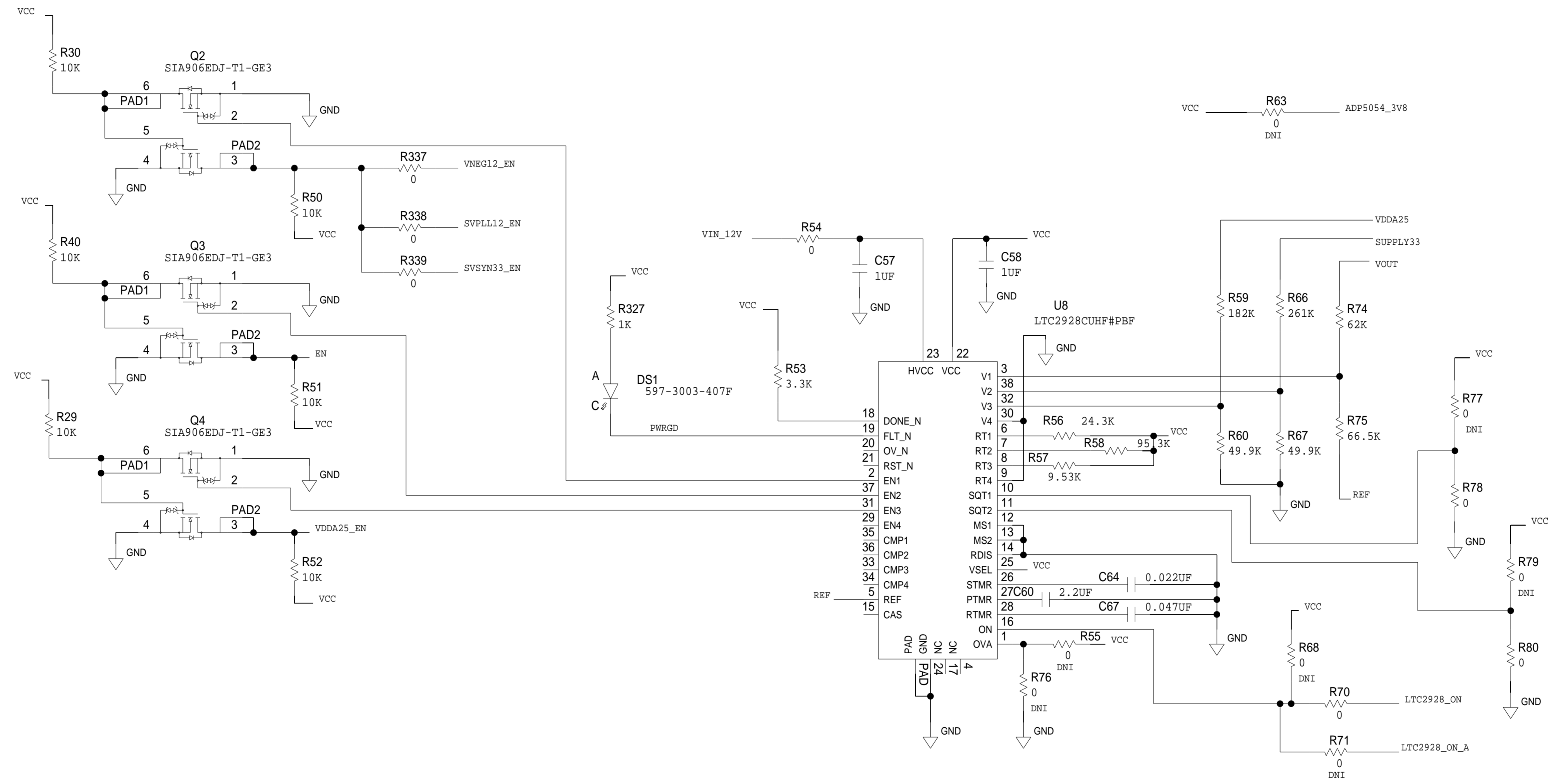
NOTES  
PLACE ON THE BOTTOM SIDE  
SHIELD SIGNALS WITH VIAS



LO (ADF4355)

ANALOG DEVICES		SCHEMATIC	
HW TYPE : Customer Evaluation		Product(s) : AD9161-FMC_EBZ : AD9161-FMC_EBZ	
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_046277	REV D	
PTD ENGINEER <PTD_ENGINEER>	SIZE D	SCALE 1:1	SHEET 6 OF 9

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



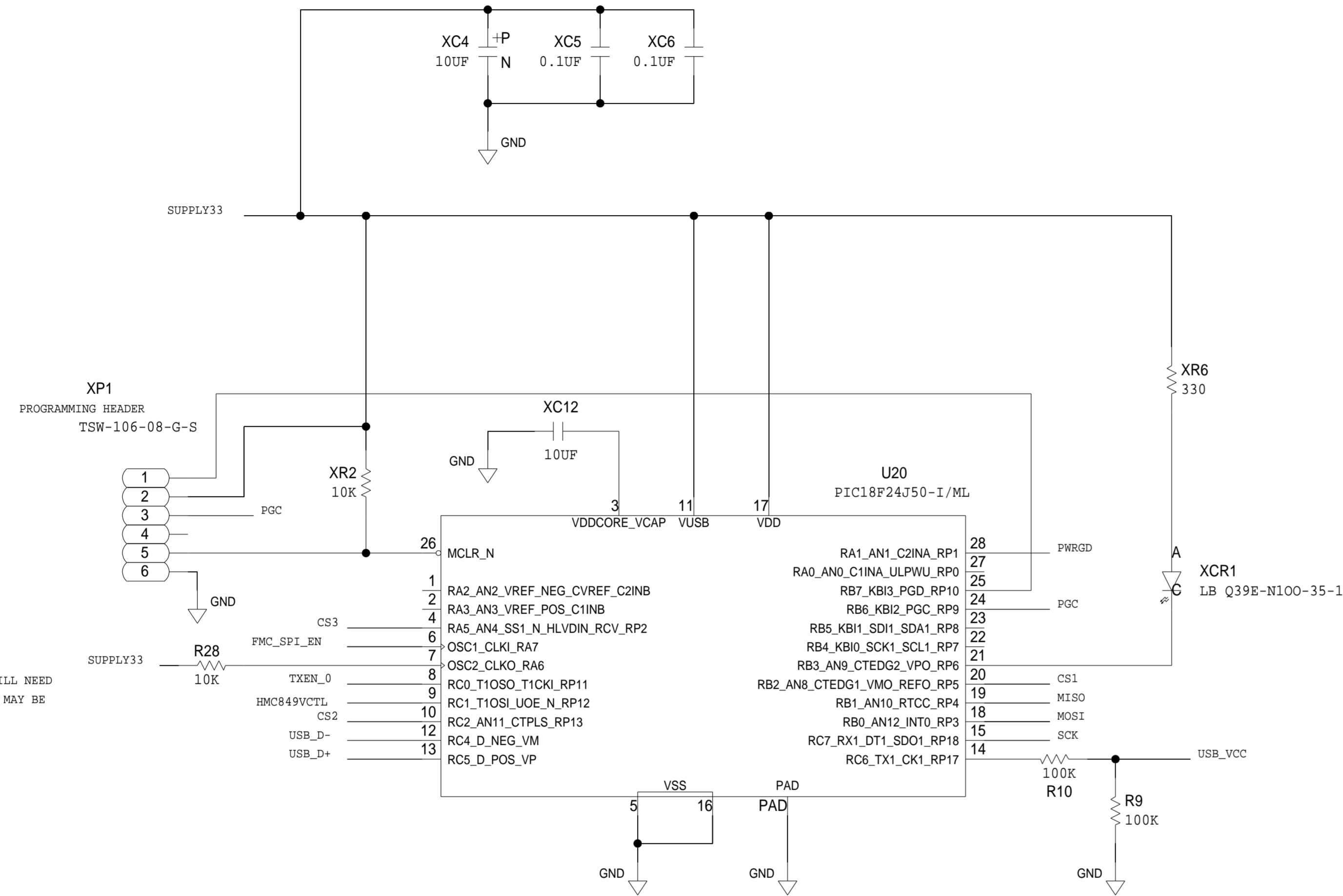
NOTES:

- TO PROPERLY SEQUENCE DOWN SUPPLIES, PLEASE DE-ASSERT "ON" SIGNAL AND LEAVE SOME TIME FOR THE LTC2928 TO TURN OFF ALL THE SUPPLIES SEQUENTIALLY. THEN THE BOARD IS READY TO BE POWERED OFF.
- TO USE OFF-CHIP REGULATED 3.3V SUPPLY AS VCC, REMOVE R54, REPLACE C57 WITH A 0 OHM RESISTOR, AND INSTALL R63.

	<b>SCHEMATIC</b>		
	HW TYPE : Customer Evaluation Product(s) : AD9161-FMC_EBZ : AD9161-FMC_EBZ		
	DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_046277	REV D
	PTD ENGINEER <PTD_ENGINEER>	SIZE D	SCALE 1:1
		SHEET 7 OF 9	

# GPIO & MISC

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

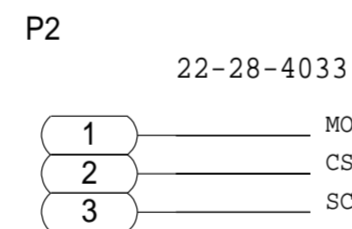
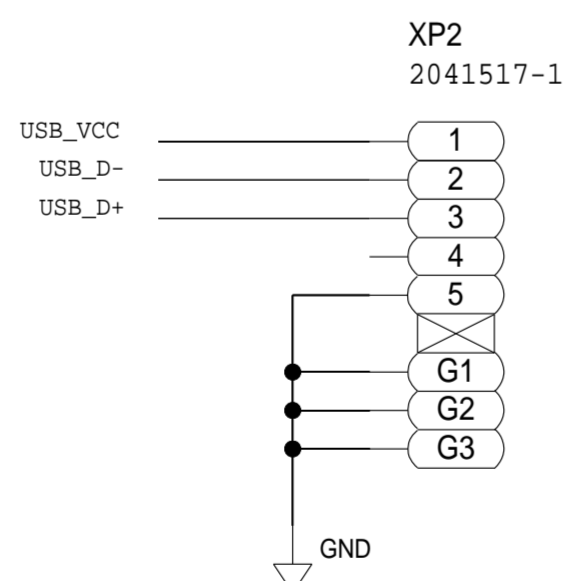


IMPLEMENTATION NOTE: FMC\_SPI\_EN WILL NEED TO BE SAMPLED AS ANALOG, SINCE IT MAY BE AS LOW AS 1.2V LOGIC HIGH.

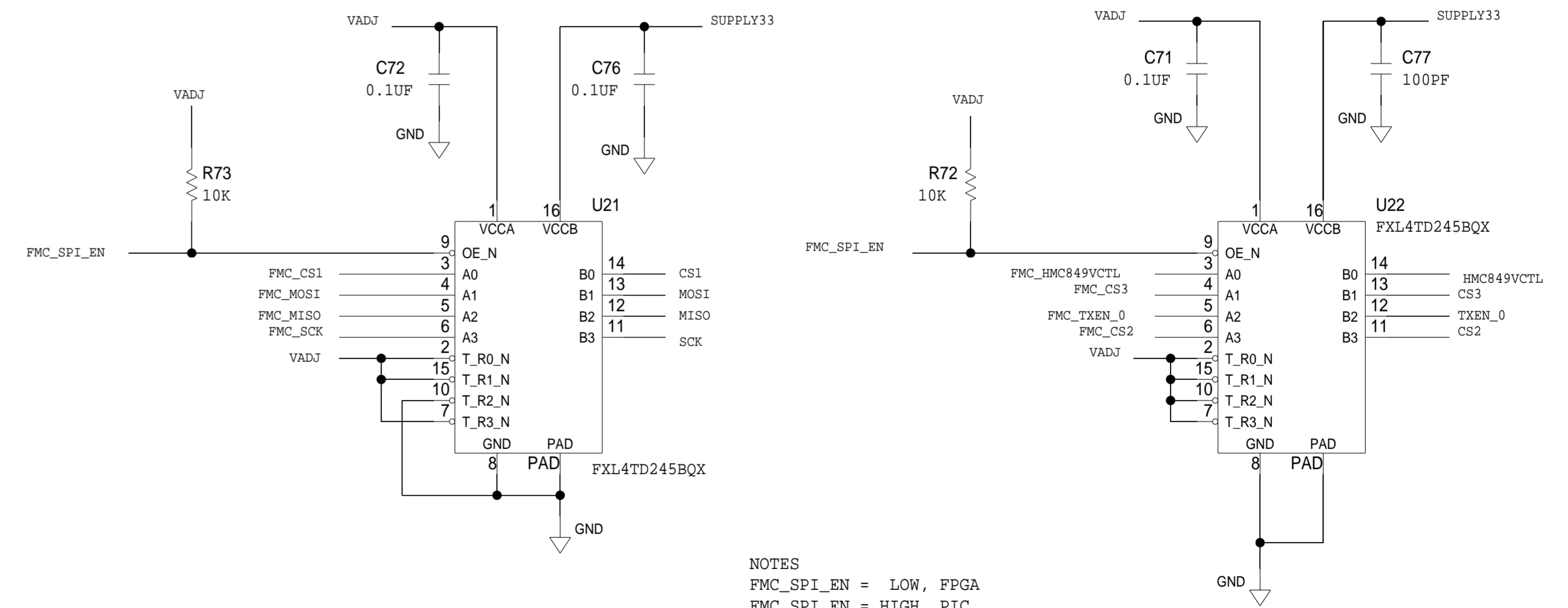
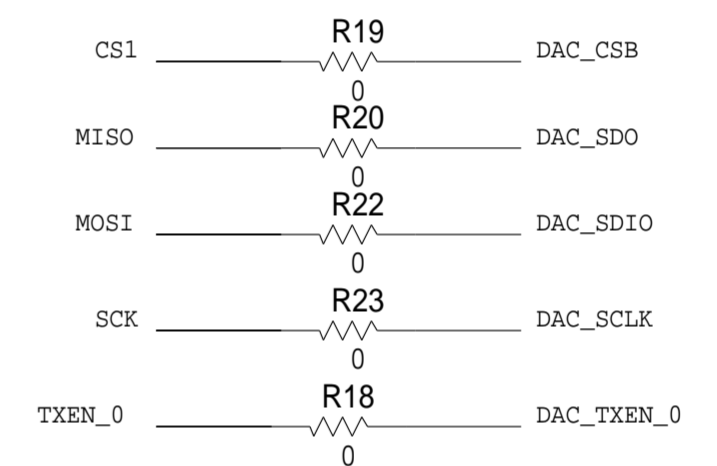
**NOTE:**

IF USB CABLE IS PLUGGED IN PIC IS THE SOURCE OF SPI BUS AND TXEN SIGNALS

IF USB IS UNPLUGGED FMC INTERFACE IS THE SOURCE OF SPI BUS AND TXEN SIGNAL.



CONNECTIONS WILL PASS RIGHT THROUGH THE CONNECTOR



NOTES  
FMC\_SPI\_EN = LOW, FPGA  
FMC\_SPI\_EN = HIGH, PIC

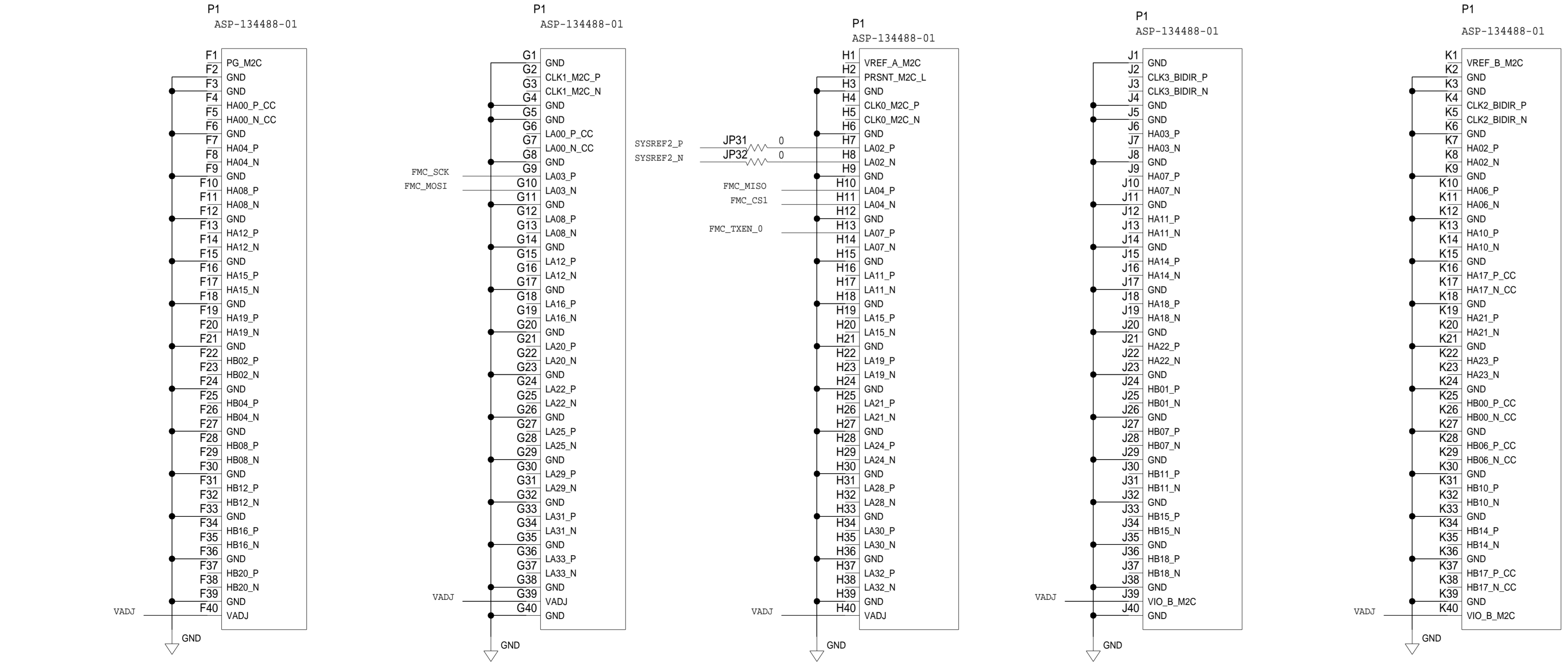
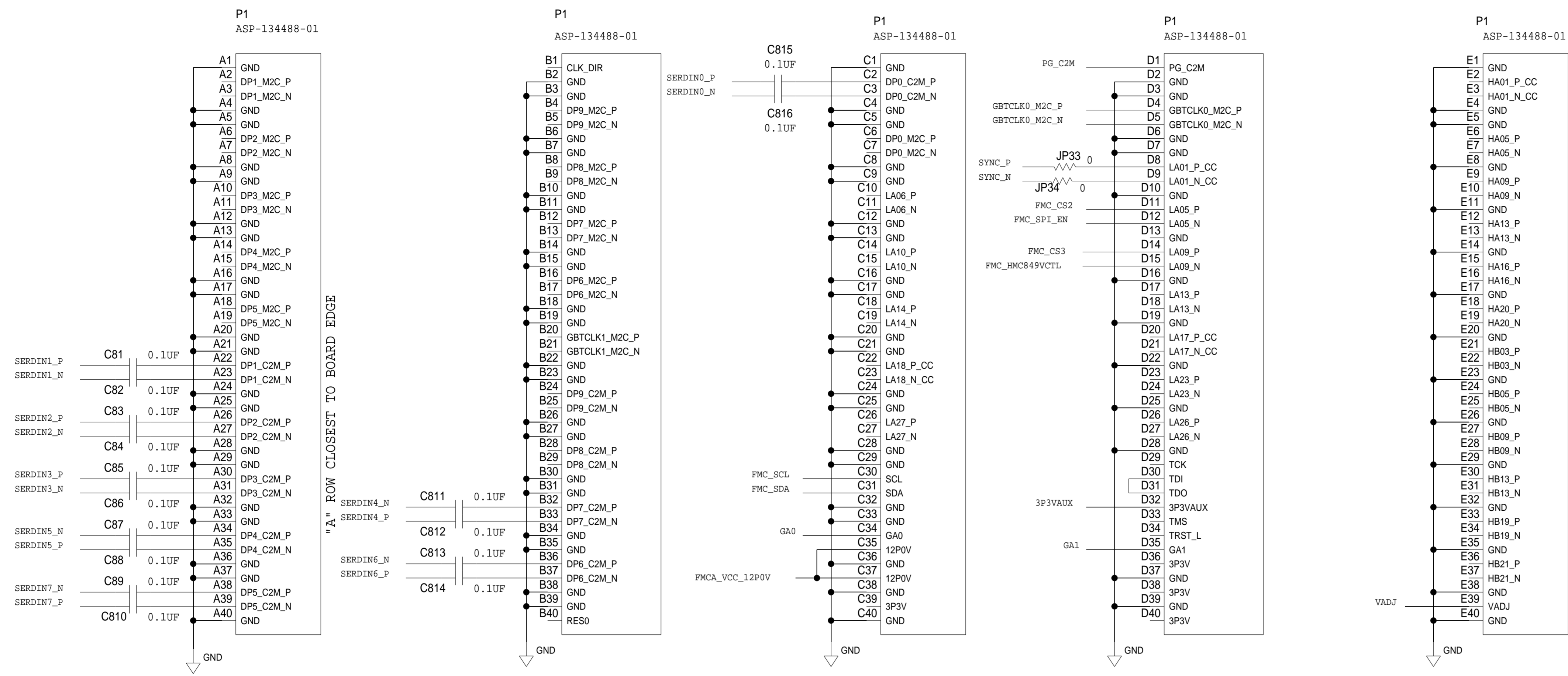
SCHEMATIC			
		HW TYPE : Customer Evaluation Product(s) : AD9161-FMC_EBZ : AD9161-FMC_EBZ	
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_046277	REV D	
PTD ENGINEER <PTD_ENGINEER>	SIZE D	SCALE 1:1	SHEET 8 OF 9

THIS DRAWING IS THE PROPERTY OF ANALOG DEVICES INC. IT IS NOT TO BE REPRODUCED OR COPIED, IN WHOLE OR IN PART, OR USED IN ANY MANNER THAT WOULD BE DETRIMENTAL TO THE INTERESTS OF ANALOG DEVICES. THE EQUIPMENT SHOWN HEREIN MAY BE PROTECTED BY PATENTS OWNED OR CONTROLLED BY ANALOG DEVICES.

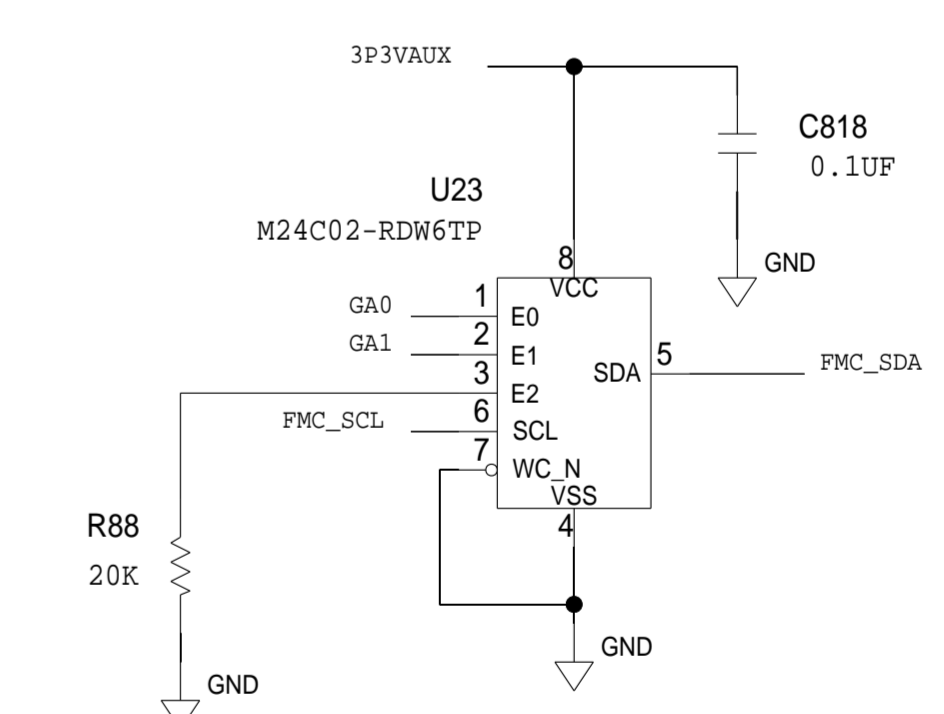


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

# FMC - CONNECTIONS



# BOARD ID EPROM



ANALOG DEVICES			
HW TYPE : Customer Evaluation Product(s) : AD9161-FMC_EBZ : AD9161-FMC-EBZ		<b>SCHEMATIC</b>	
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_046277	REV D	
PTD ENGINEER <PTD_ENGINEER>	SIZE D	SCALE 1:1	SHEET 9 OF 9

THIS DRAWING IS THE PROPERTY OF ANALOG DEVICES INC. IT IS NOT TO BE REPRODUCED OR COPIED, IN WHOLE OR IN PART, OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF ANALOG DEVICES. THE EQUIPMENT SHOWN HEREIN MAY BE PROTECTED BY PATENTS OWNED OR CONTROLLED BY ANALOG DEVICES.