

8

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1

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RELAY CONTROL CHART

CONTROL	CODE	DEVICE	FUNCTION	CONNECTOR

JUMPER TABLE

JP#	ON	OFF
1		
2		
3		
4		
5		

\* SEE ASSEMBLY INSTRUCTIONS

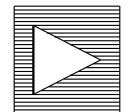
THE FOLLOWING COMPONENTS ARE DNI FOR THE AD9082-FMCA-EBZ:

T1S, T1T, C1S, C1T, C2S, C2T, C3S, C3T, R3S, R3T, R4S, R4T, ADC0, ADC1

MXFE FMC  
EVALUATION BOARD

MXFE: AD9082-FMCA-EBZ

AD9082  
DEC 1 2020

TEMPLATE ENGINEER	DATE	SCHEMATIC		 ANALOG DEVICES			
-		HW TYPE : Customer Evaluation Product(s): MxFE : AD9082BBPZ-4D2AC  PACKAGE : N/A-lead N/A N/A-family : Pitch-pitch StyleVendor Style  <User Define> <User Define> <User Define>					
HARDWARE SERVICES							
HARDWARE SYSTEMS							
TEST ENGINEER							
COMPONENT ENGINEER							
TEST PROCESS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS X.XX +0.010 X.XXX +0.005 FRACTIONS +1/32 ANGLES +2					
HARDWARE RELEASE							
DESIGNER D. DEBOLT							
PTD ENGINEER D. DEBOLT		MASTER PROJECT TEMPLATE TBD		TESTER TEMPLATE no_template	DRAWING NO. 02_049648		REV. J
CHECKER				SIZE D	SCALE 1:1	CODE ID NO. CodeID	SHEET 1 OF 30
-							

8

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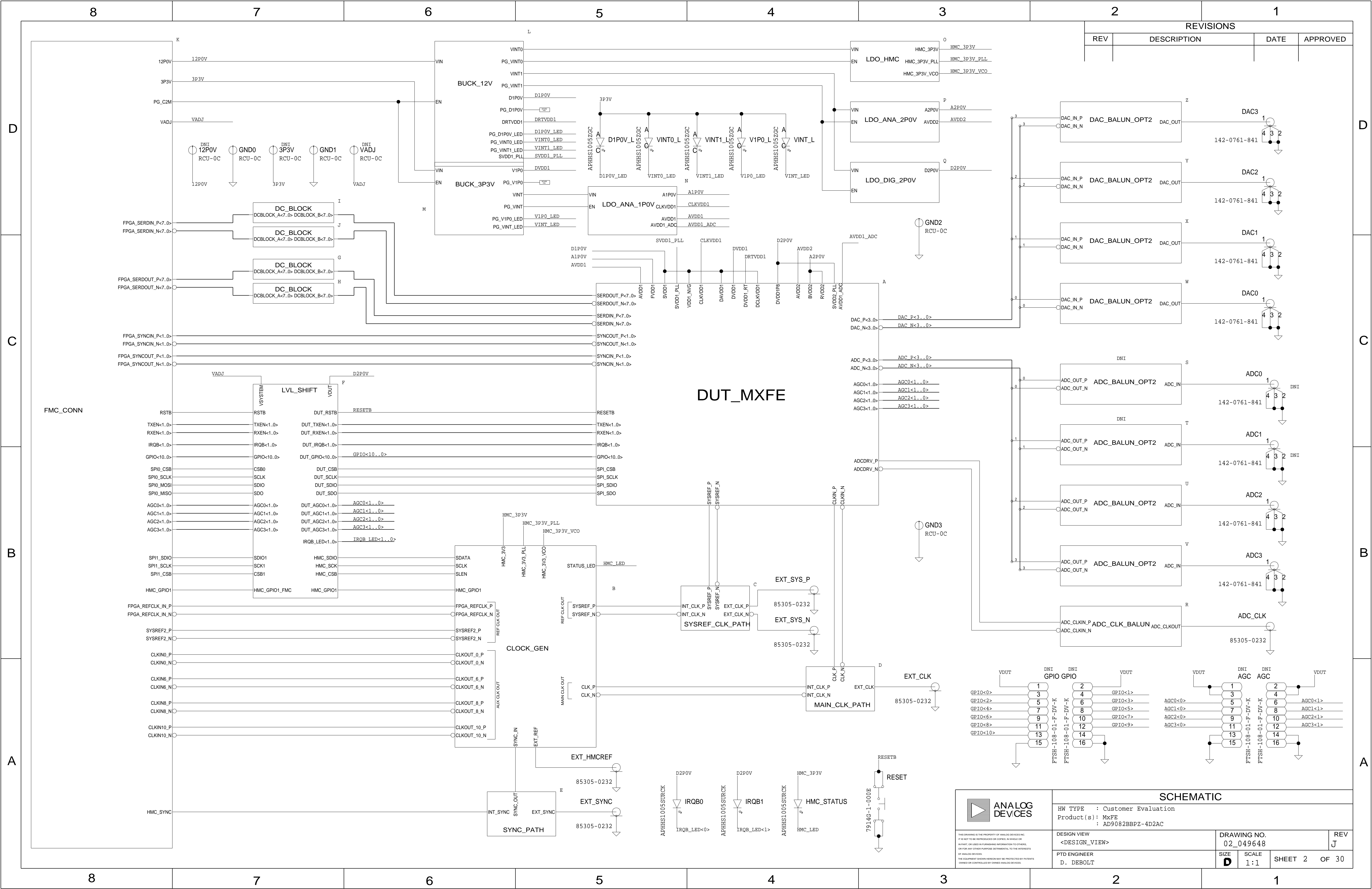
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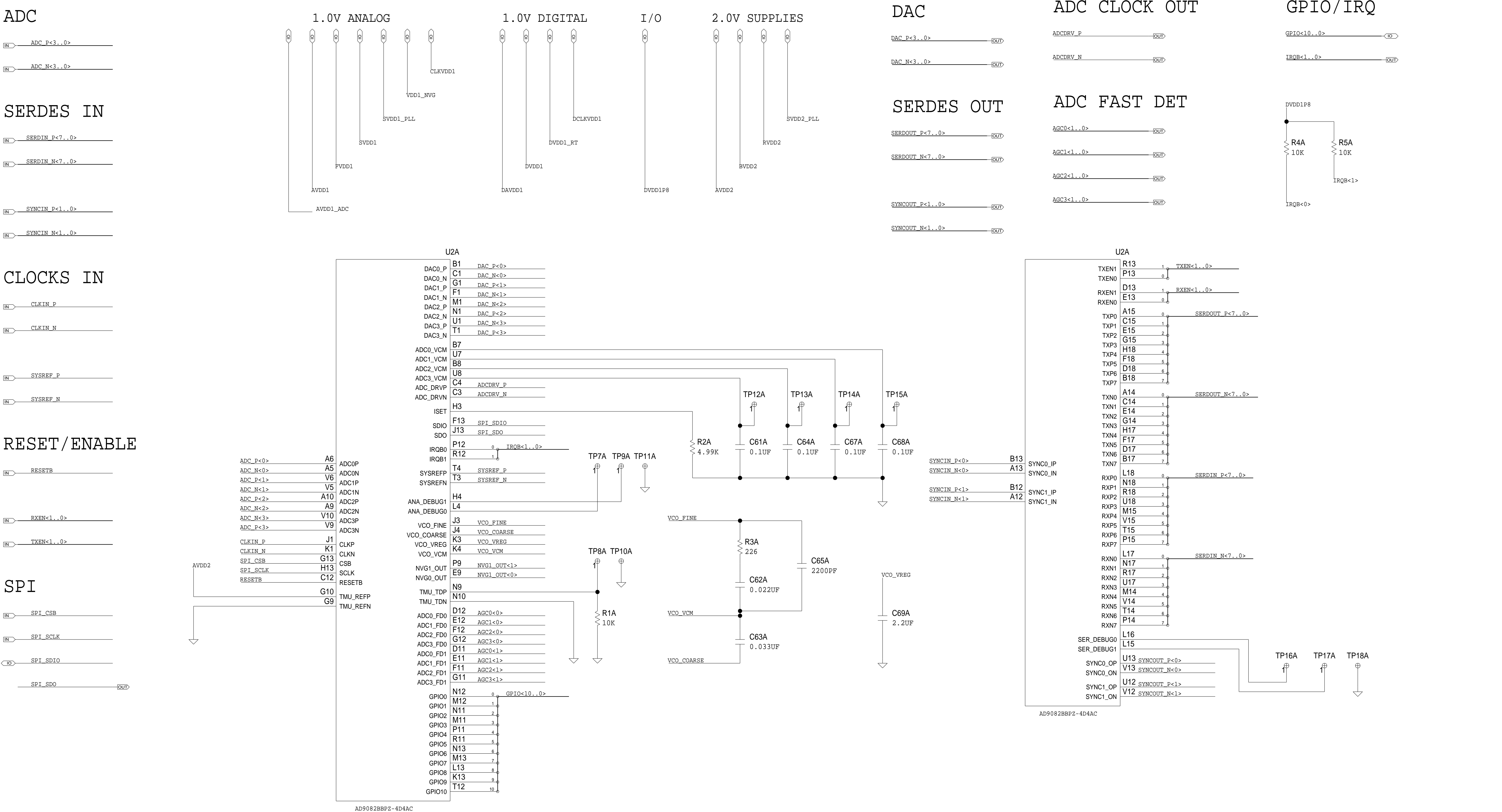
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DUT -- PAGE 1 OF 2 : INPUT / OUTPUT

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SCHEMATIC			
HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 3 OF 30

DUT -- PAGE 2 OF 2 : SUPPLIES

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

D

C

B

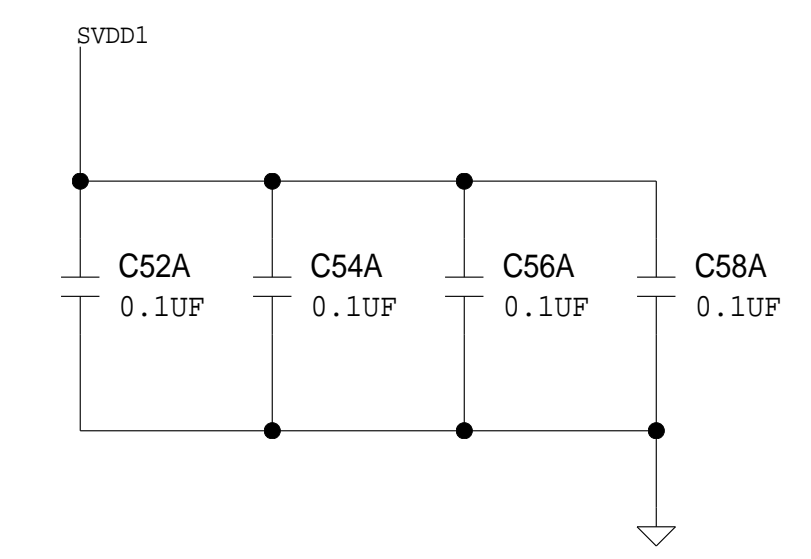
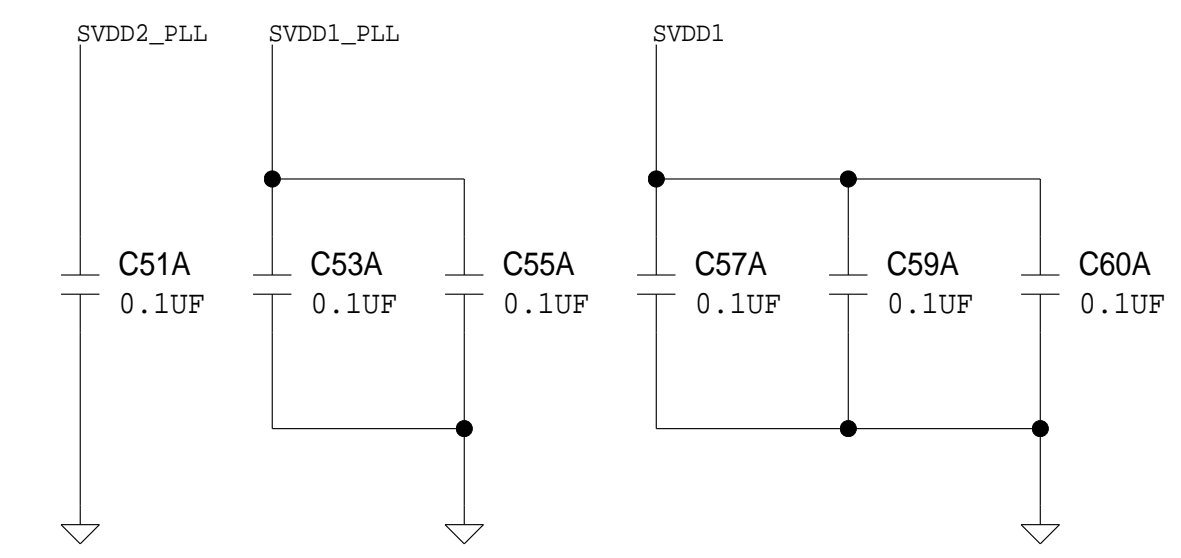
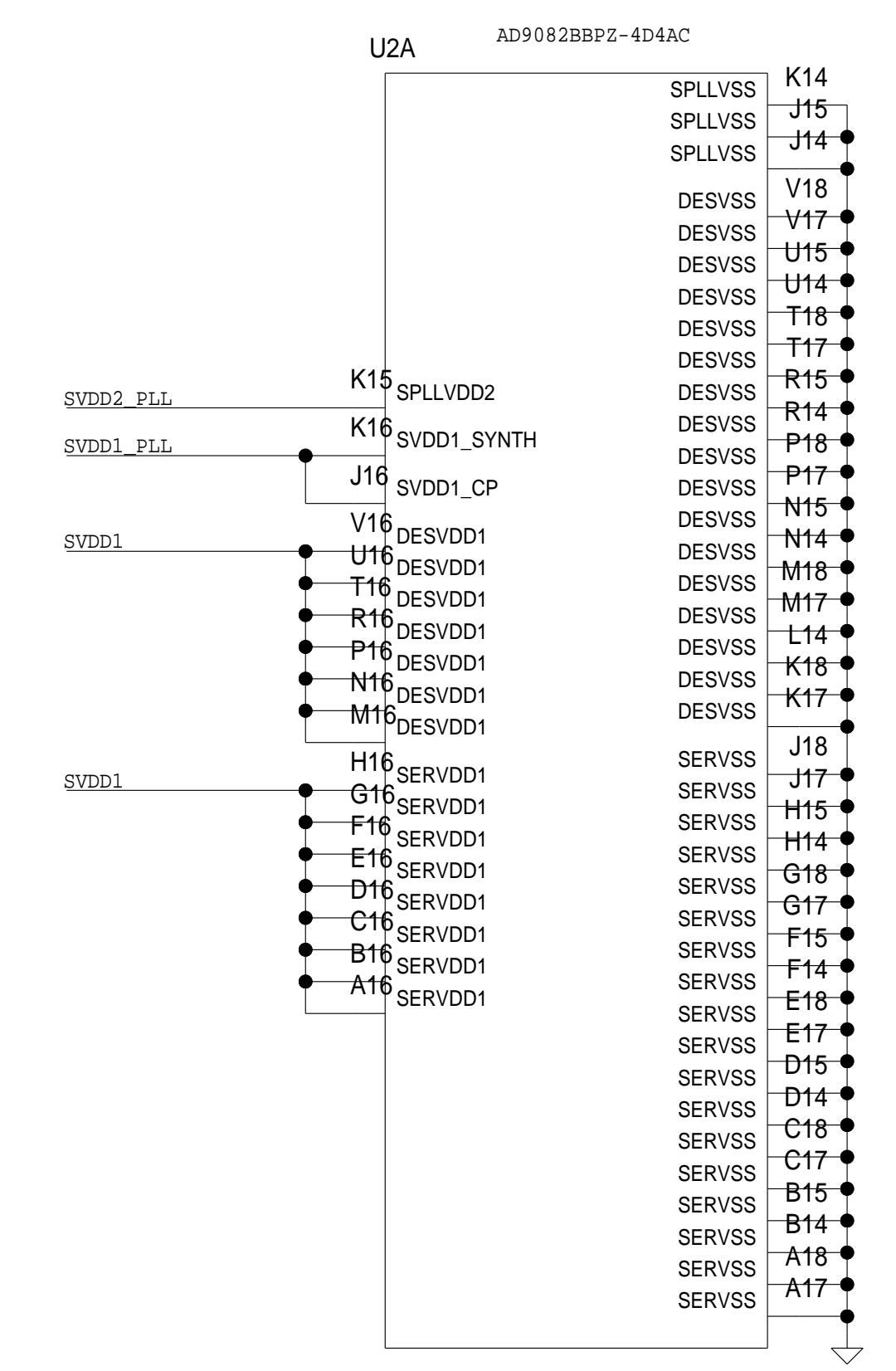
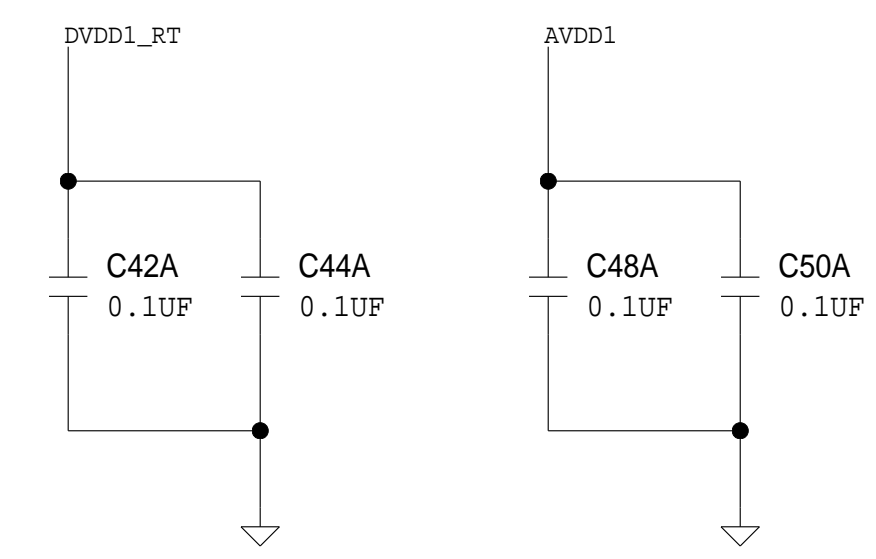
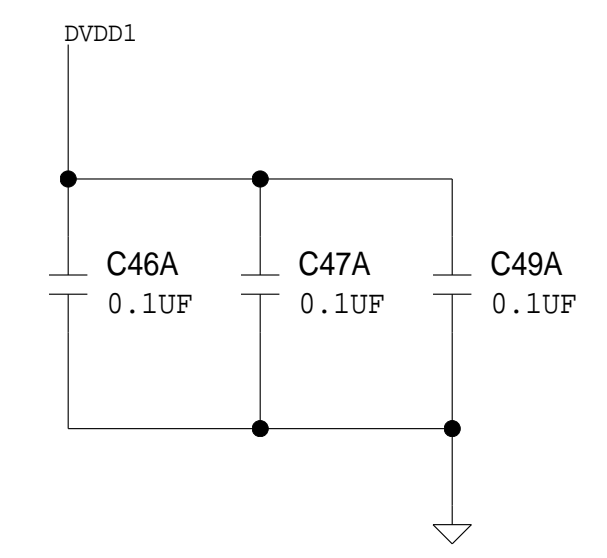
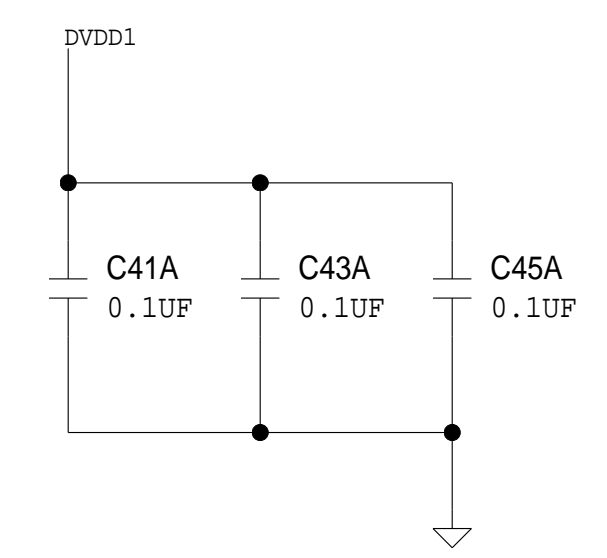
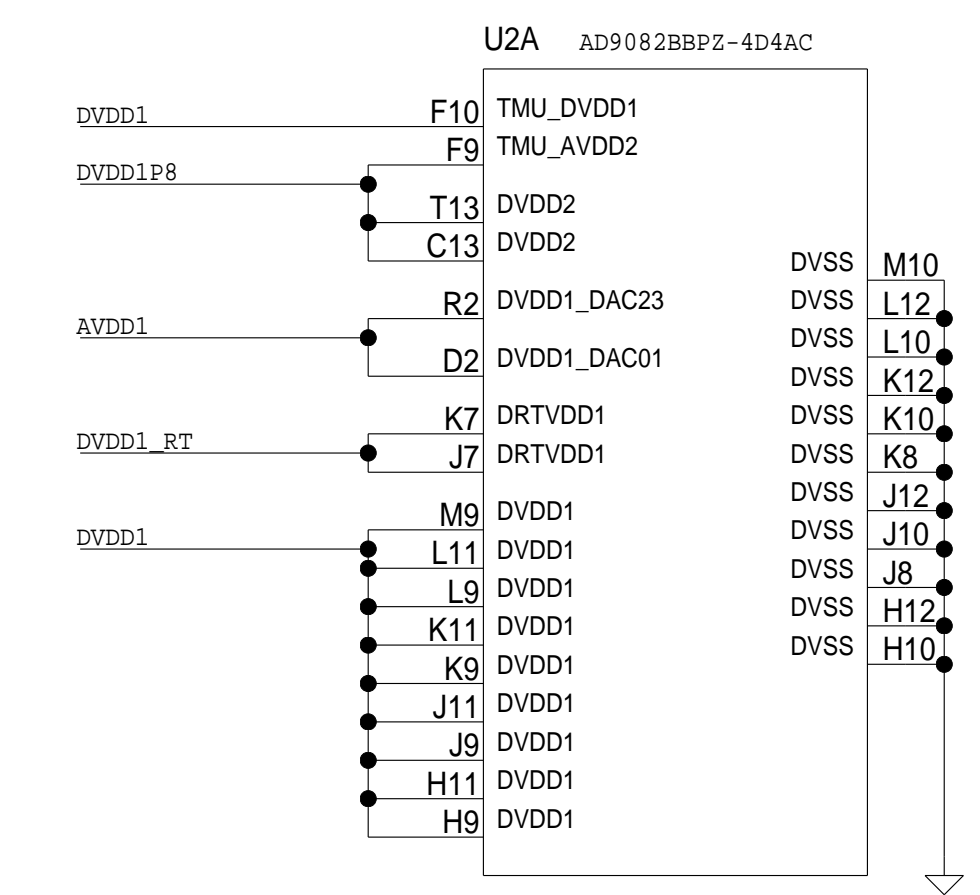
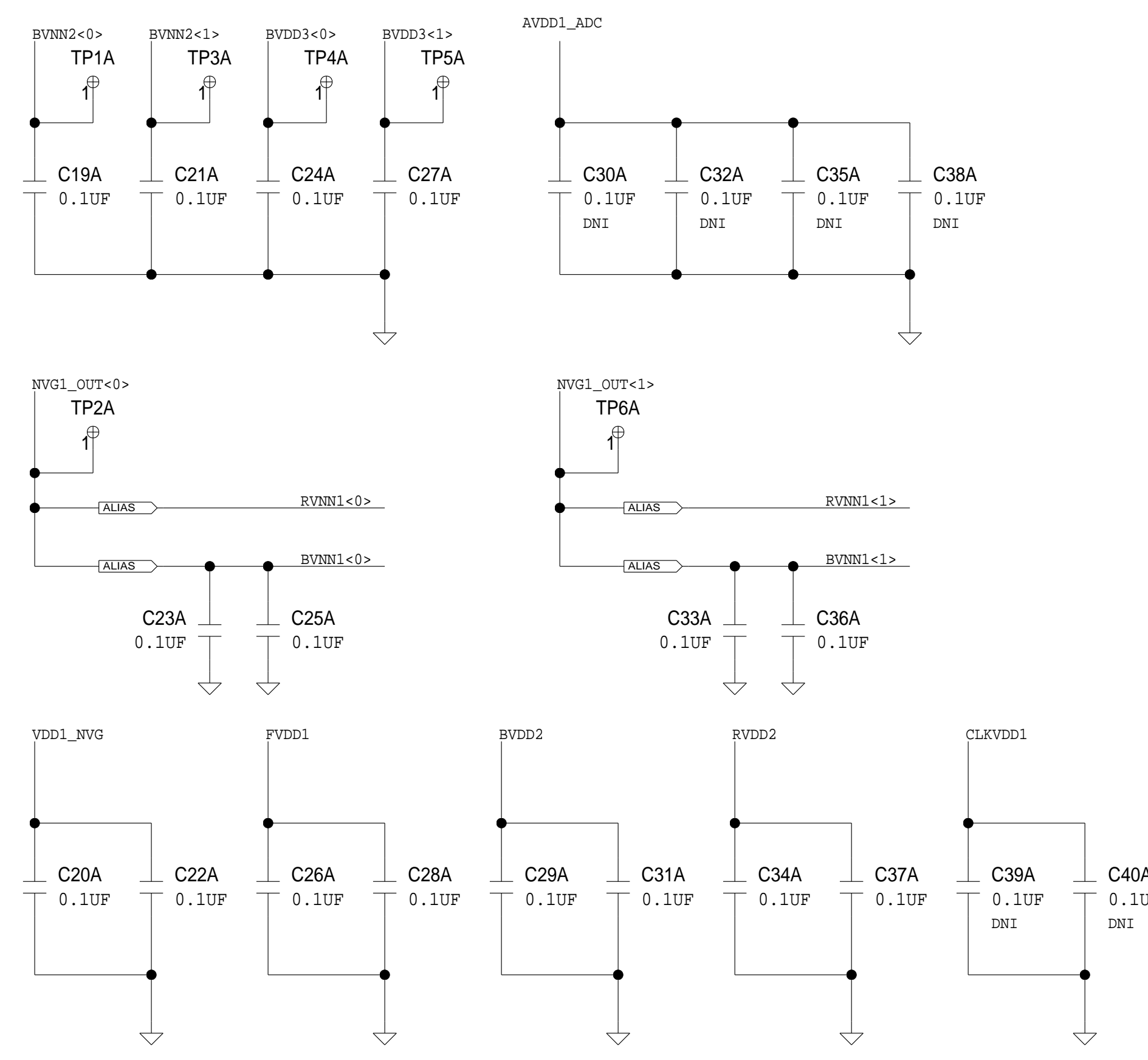
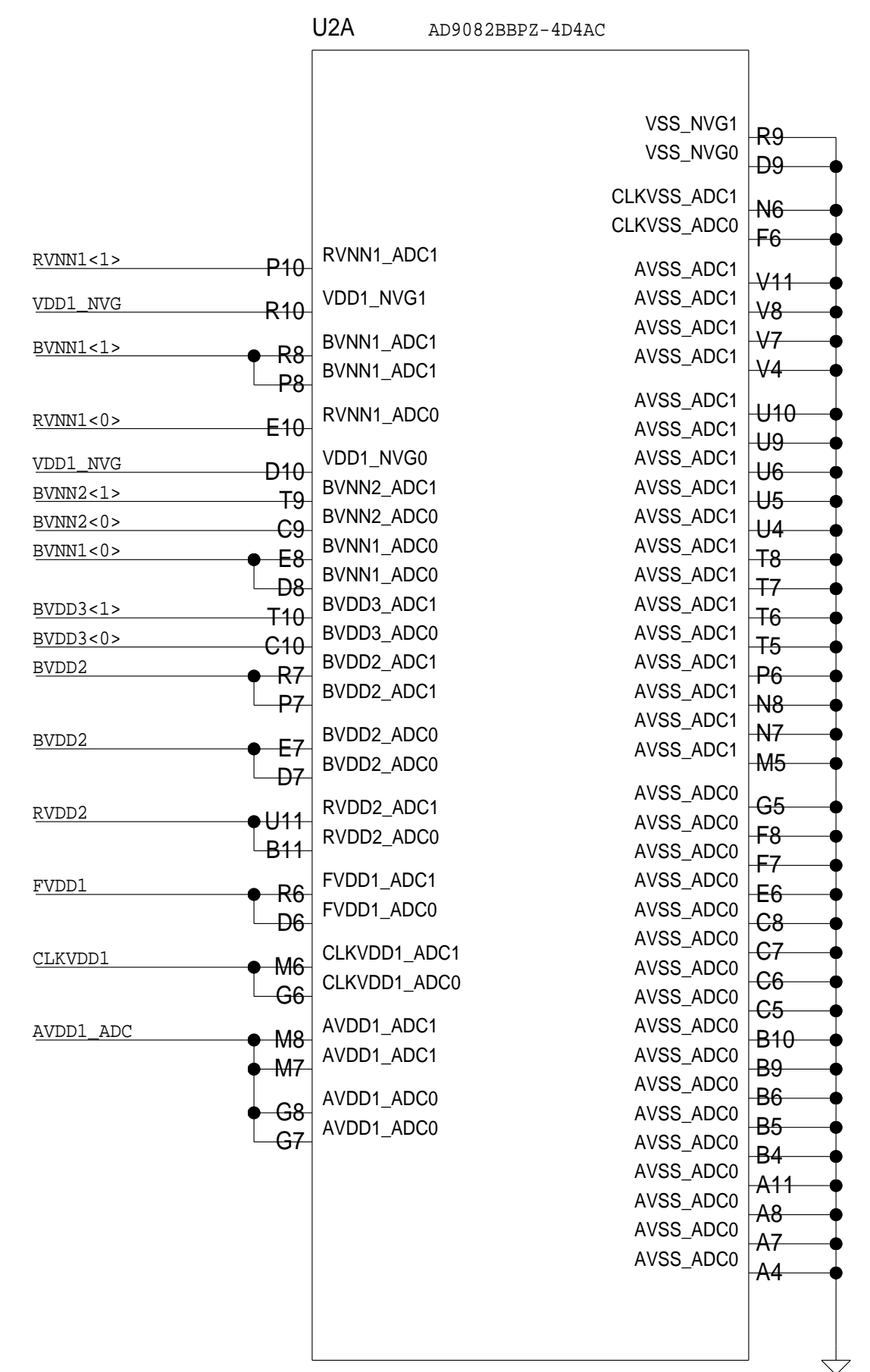
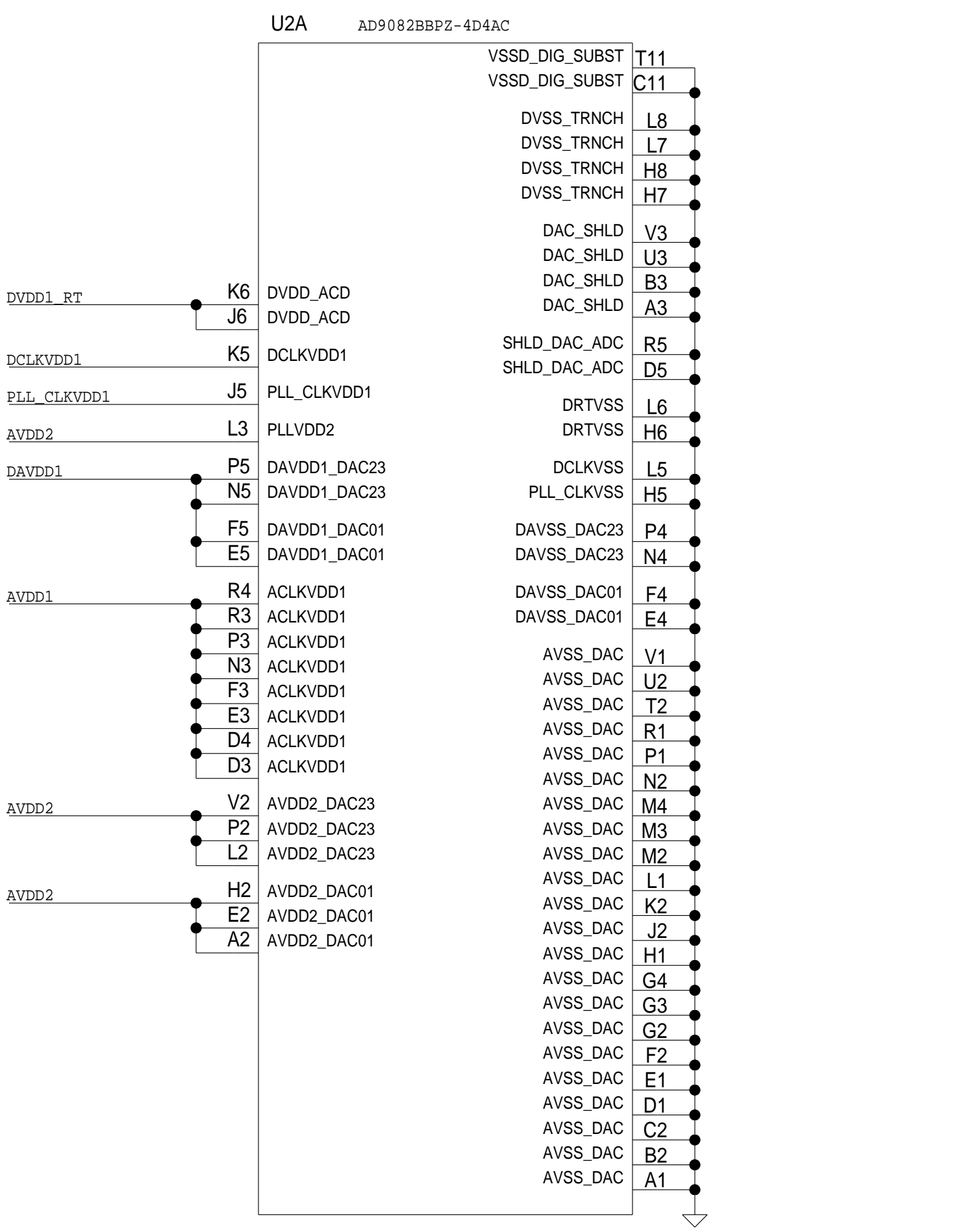
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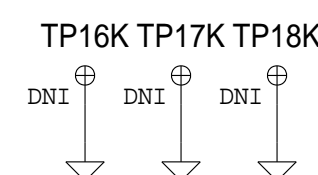
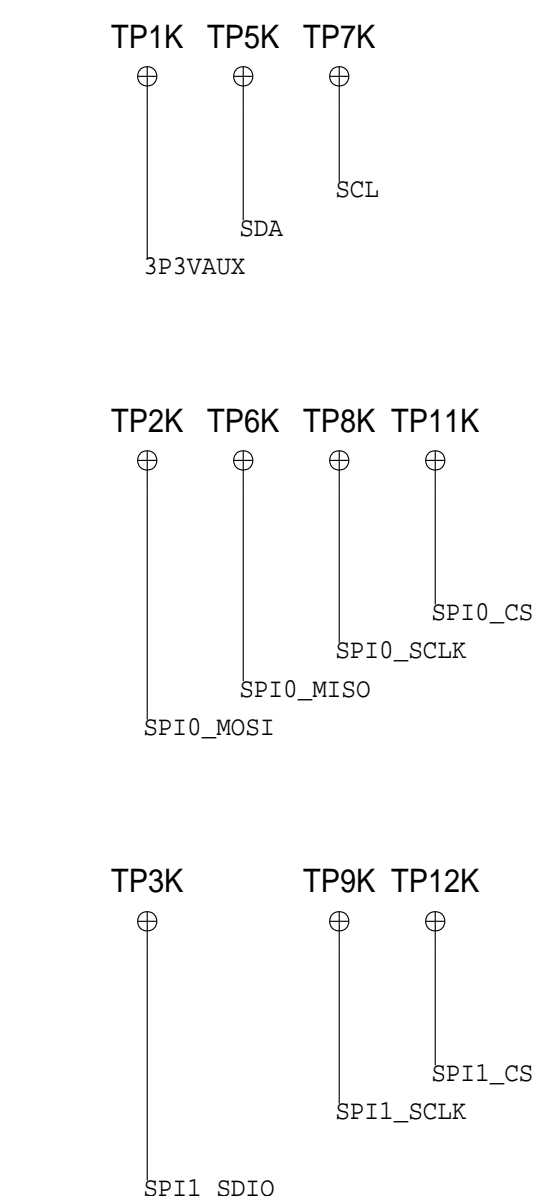
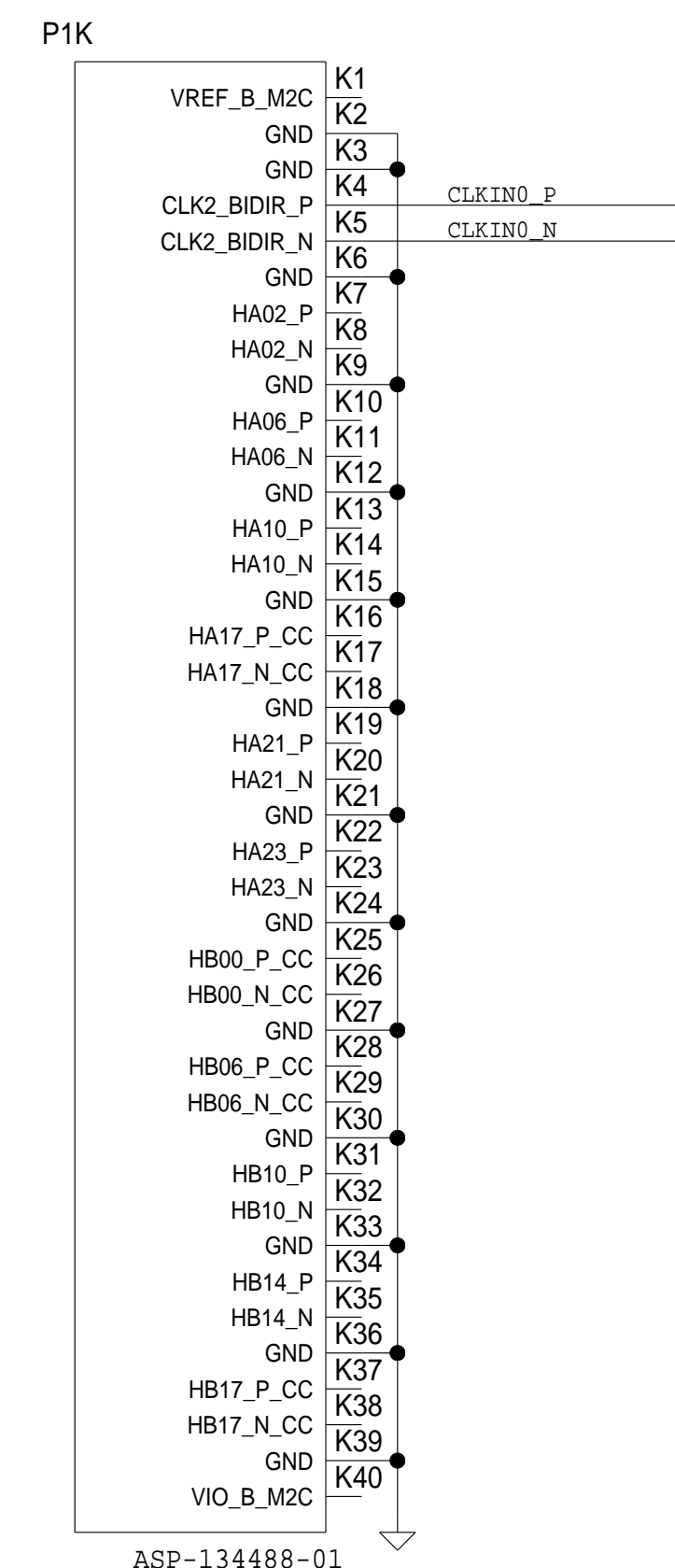
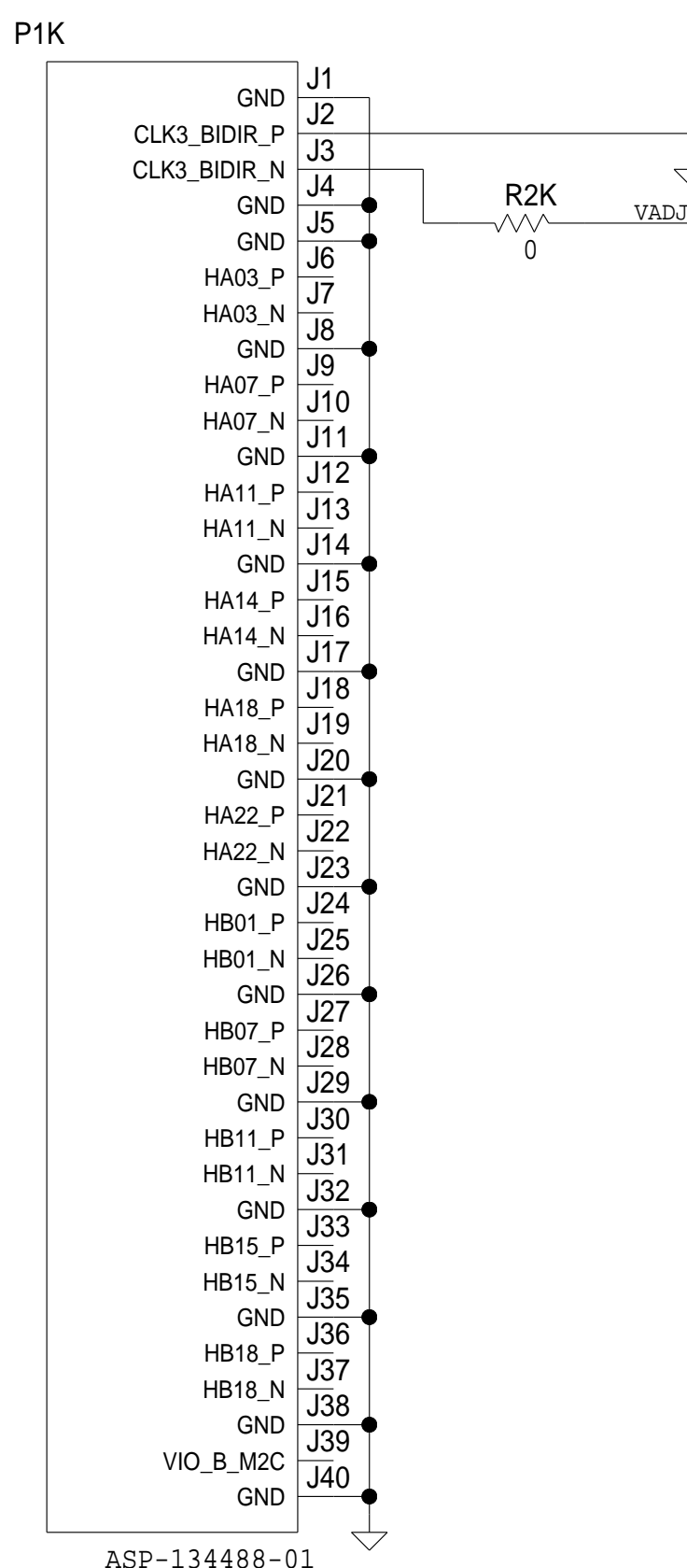
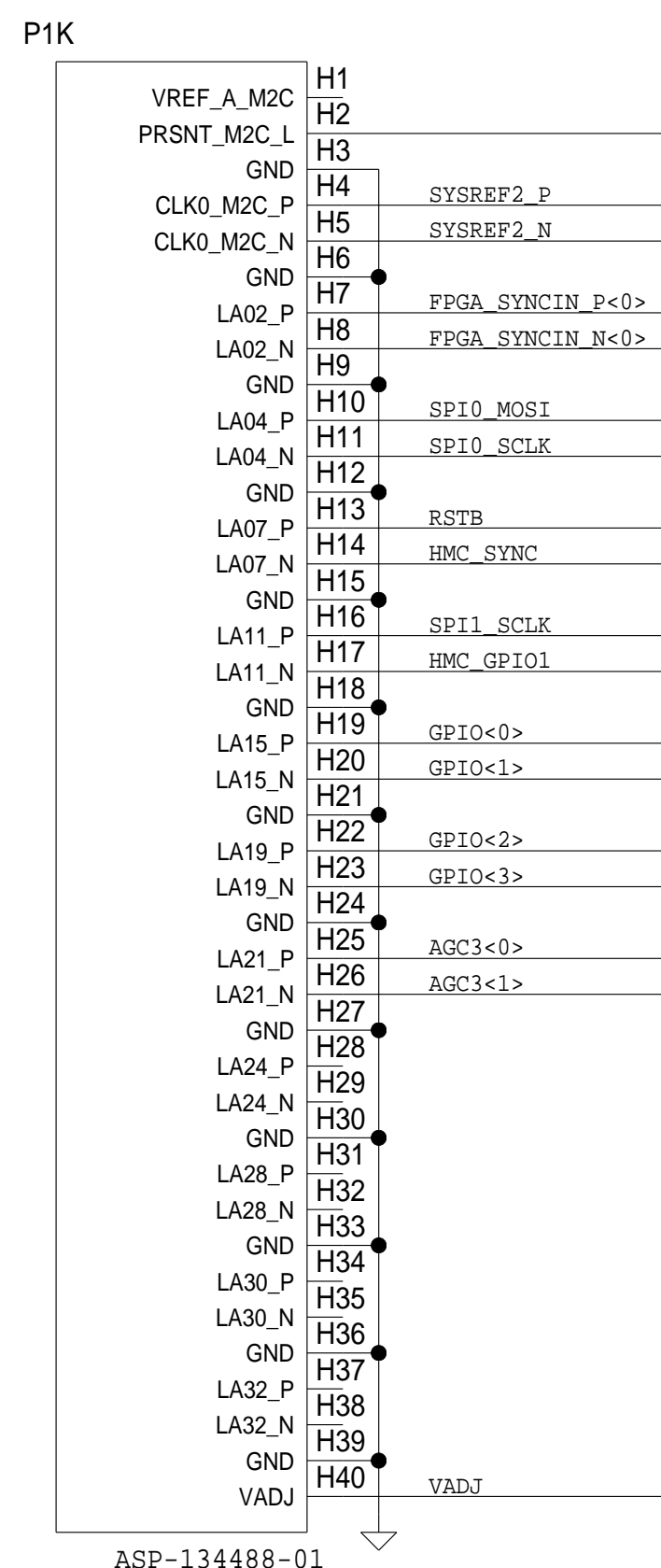
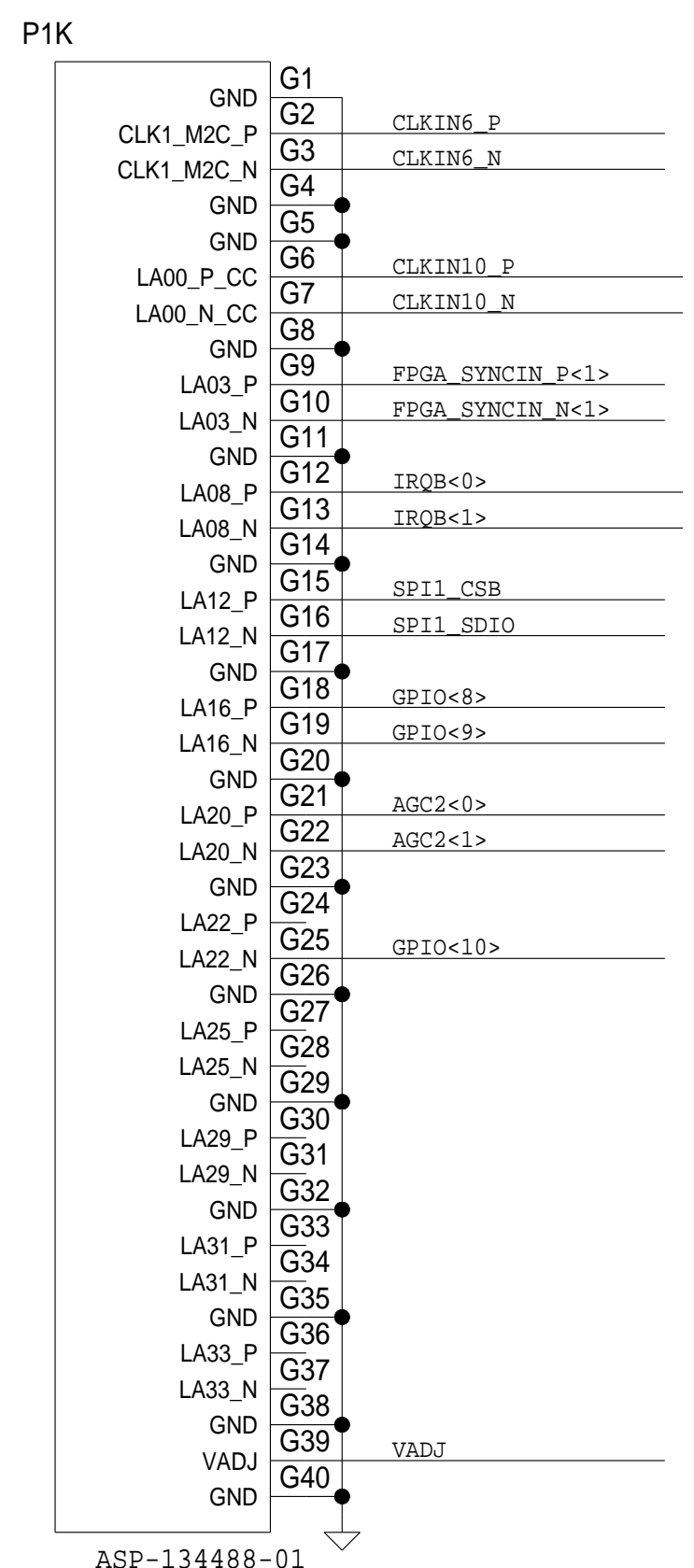
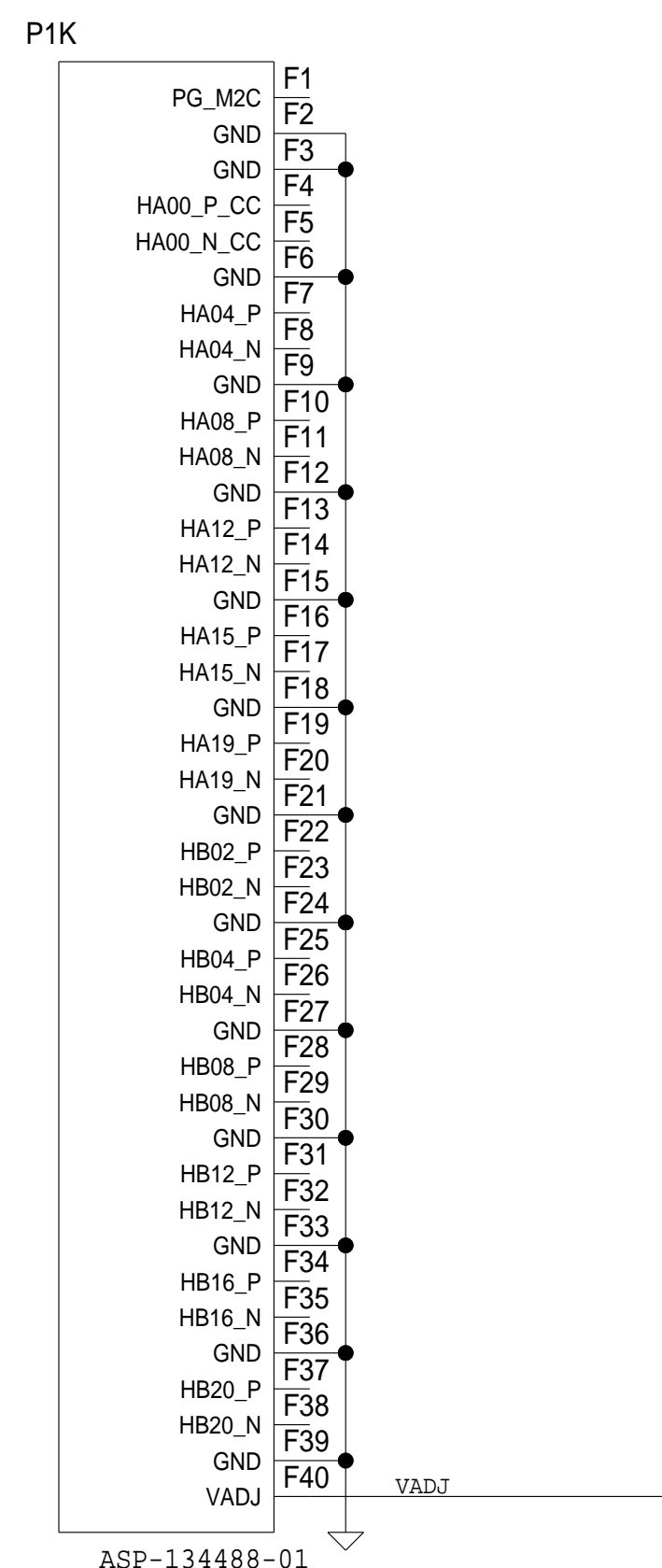
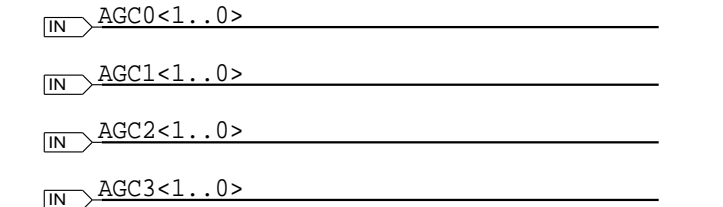
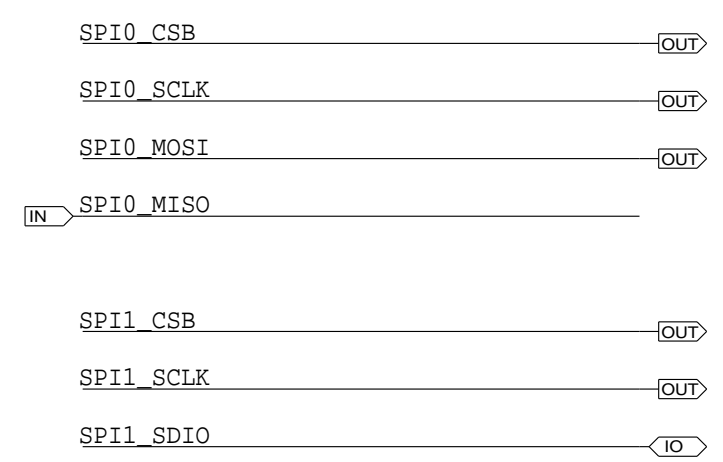
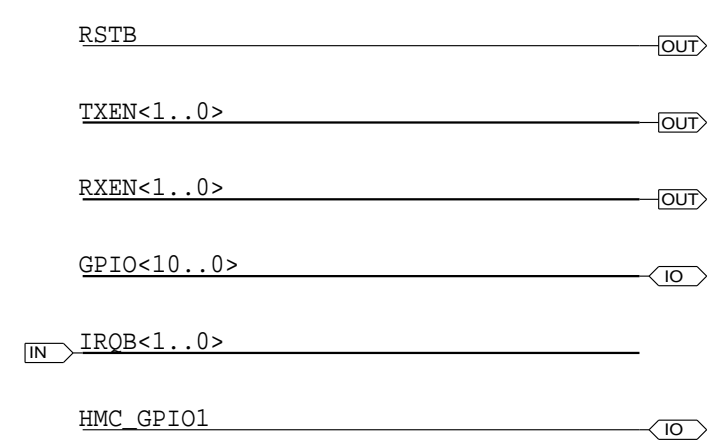
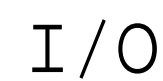
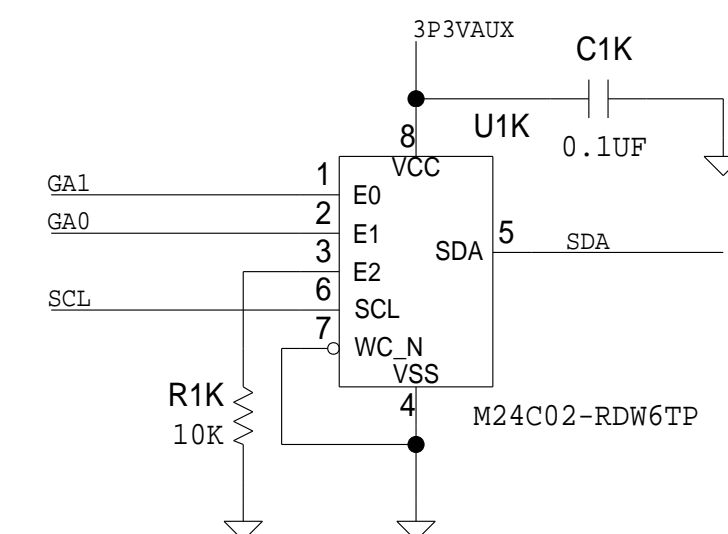
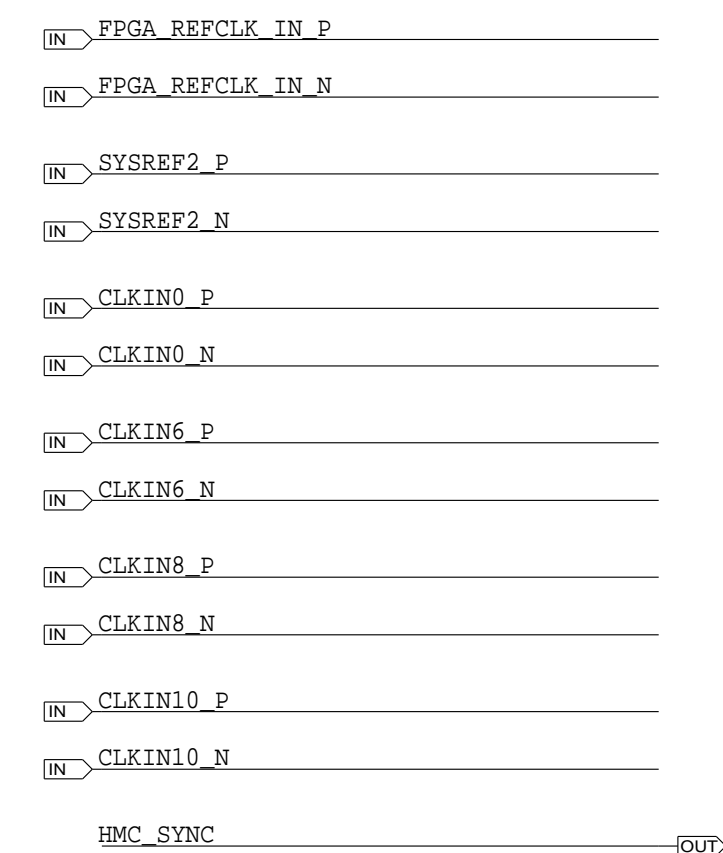
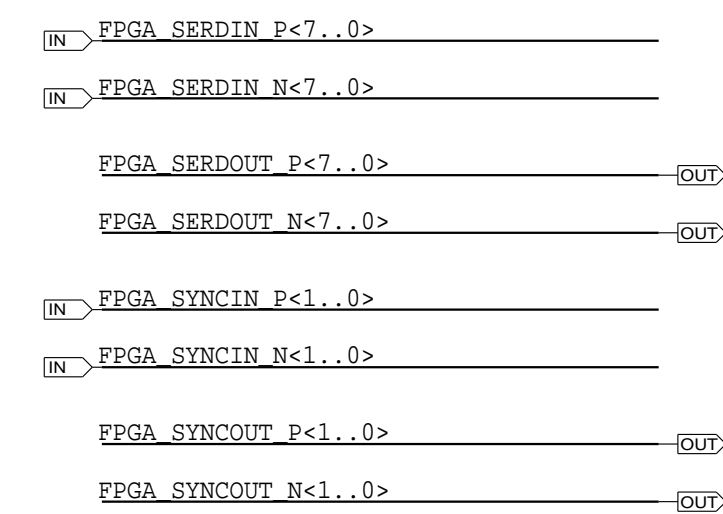
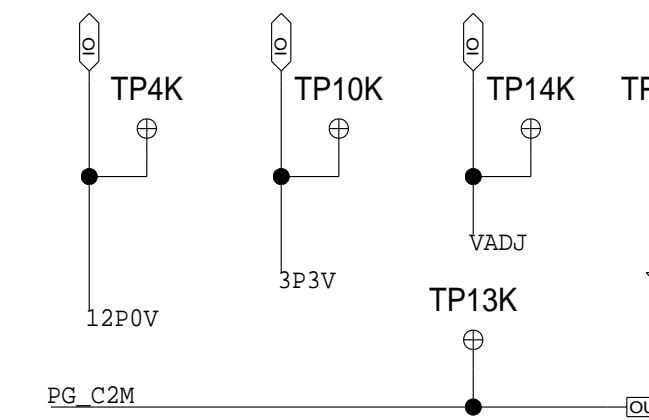
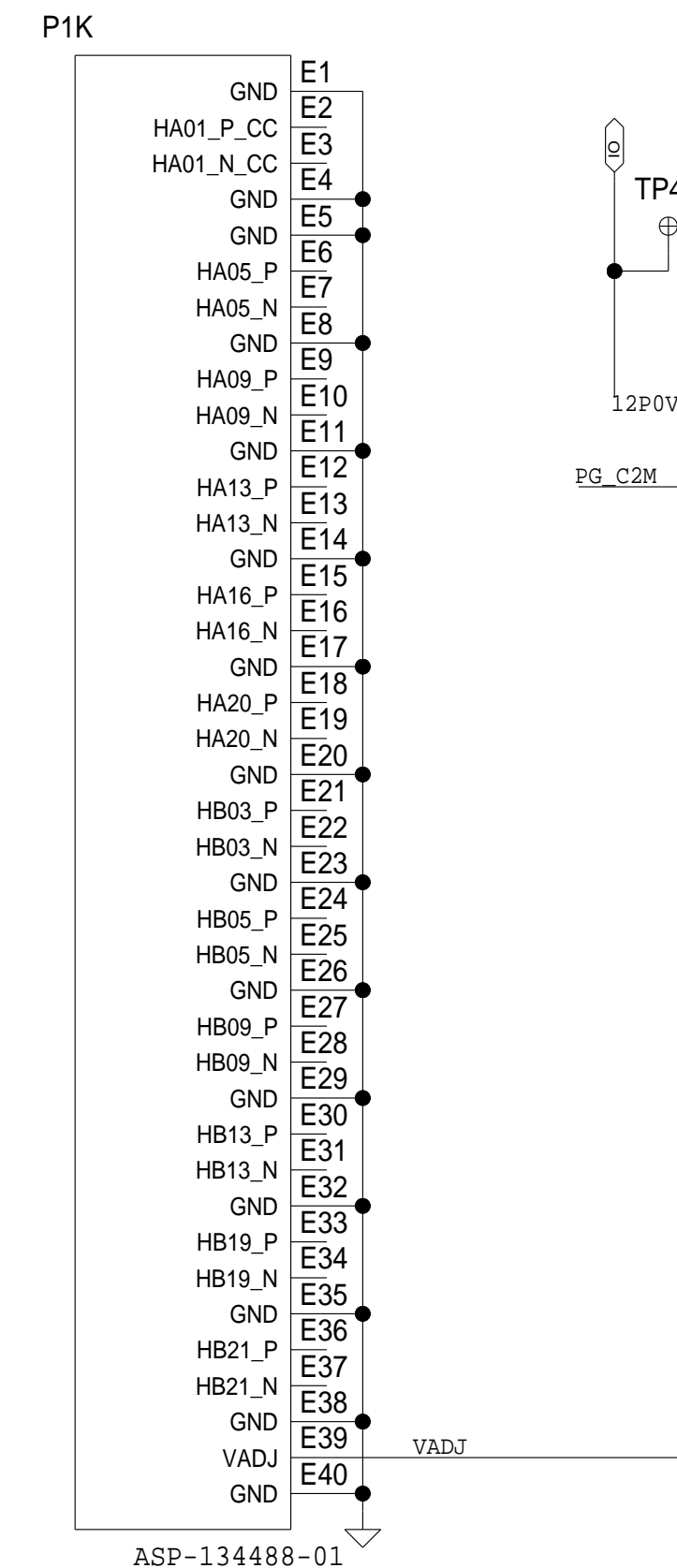
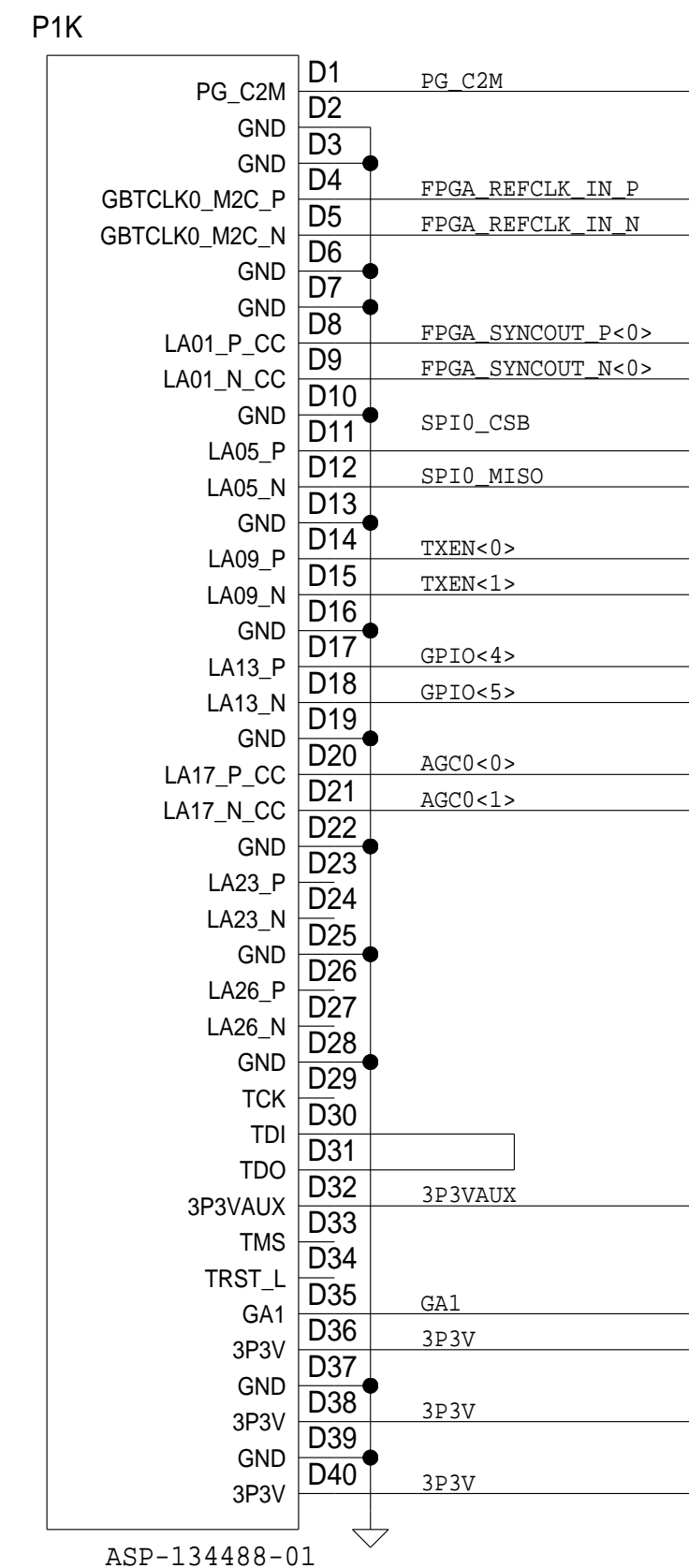
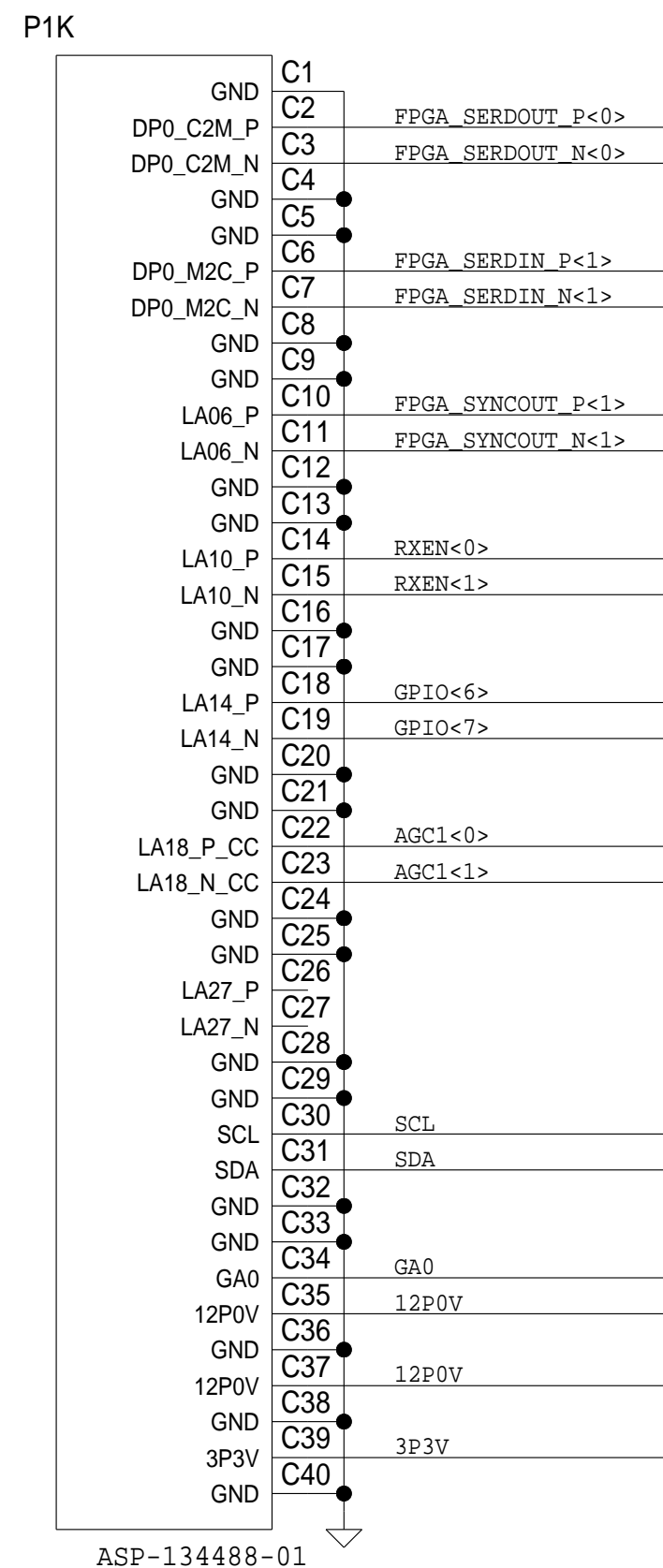
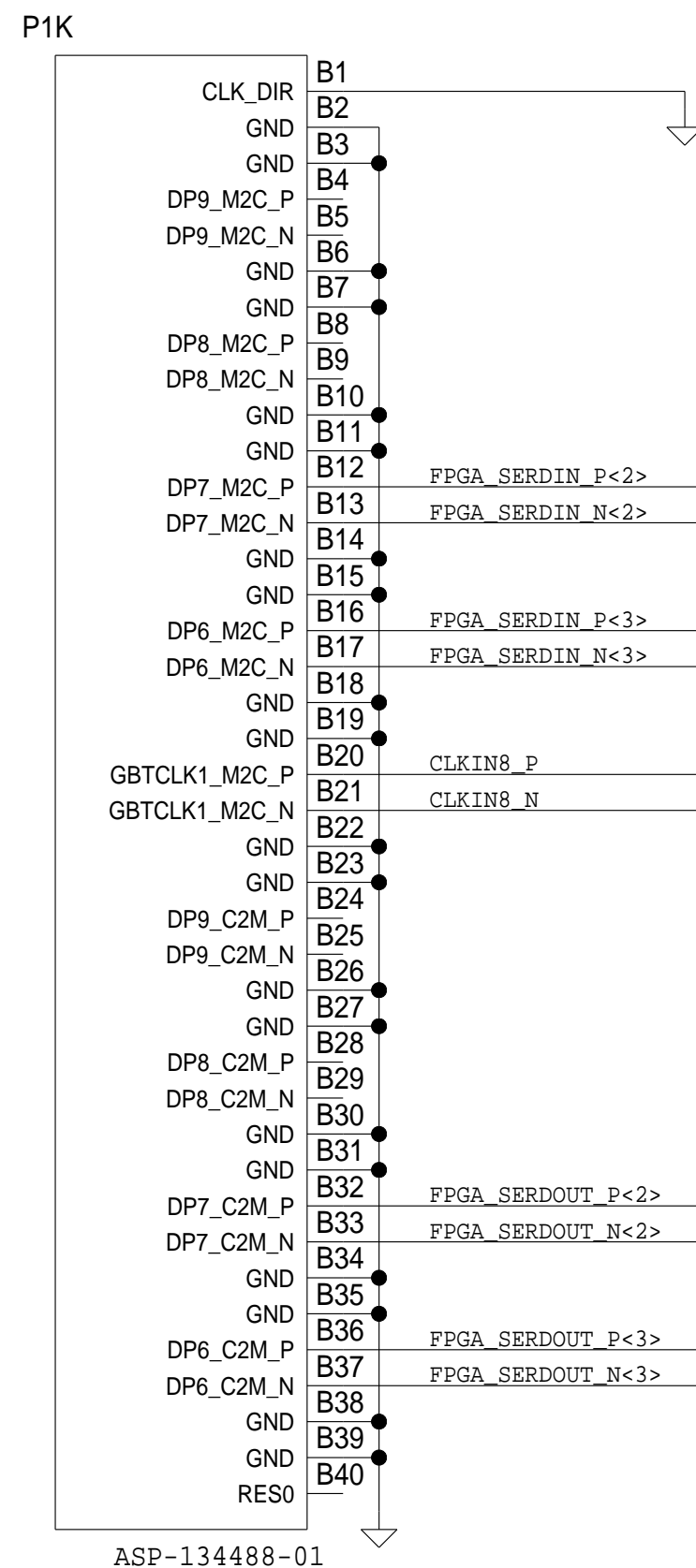
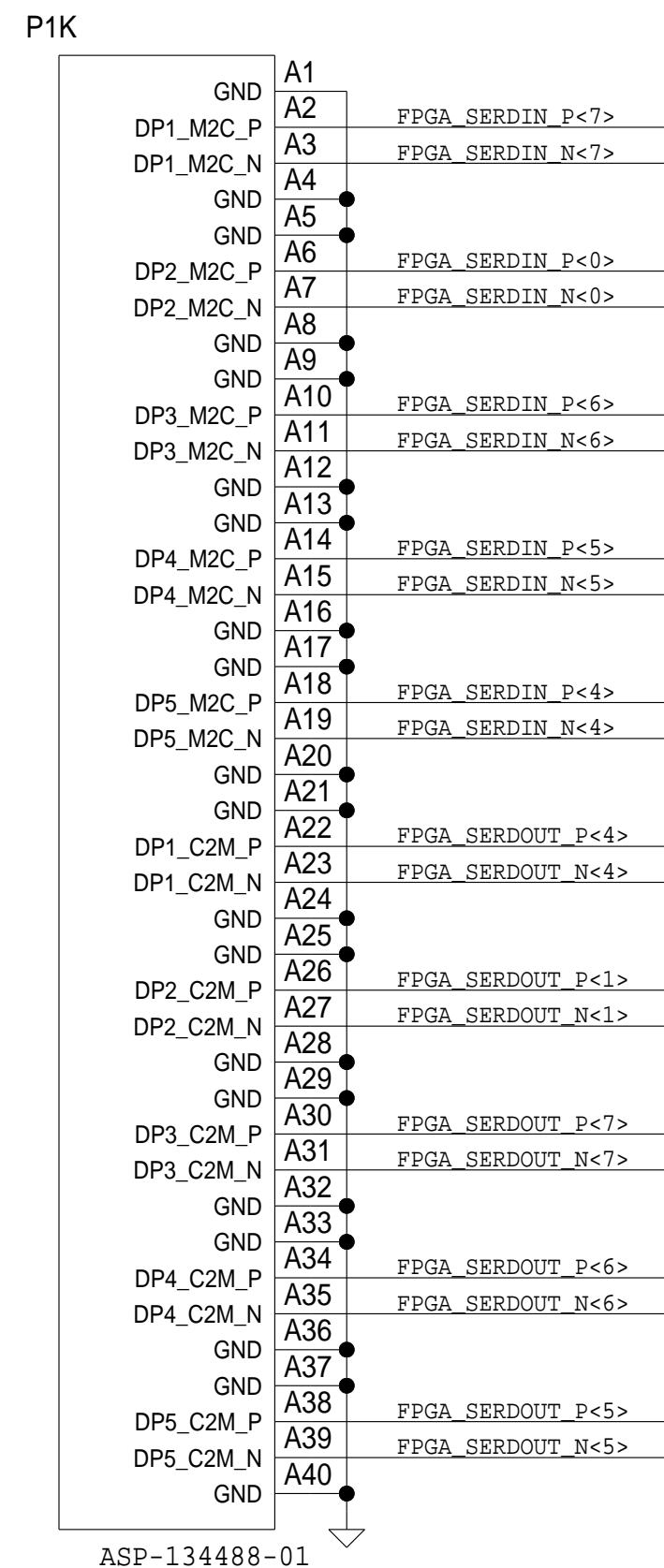
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SCHEMATIC			
HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 4 OF 30

## FMC CONNECTOR -- PAGE 1 OF 1

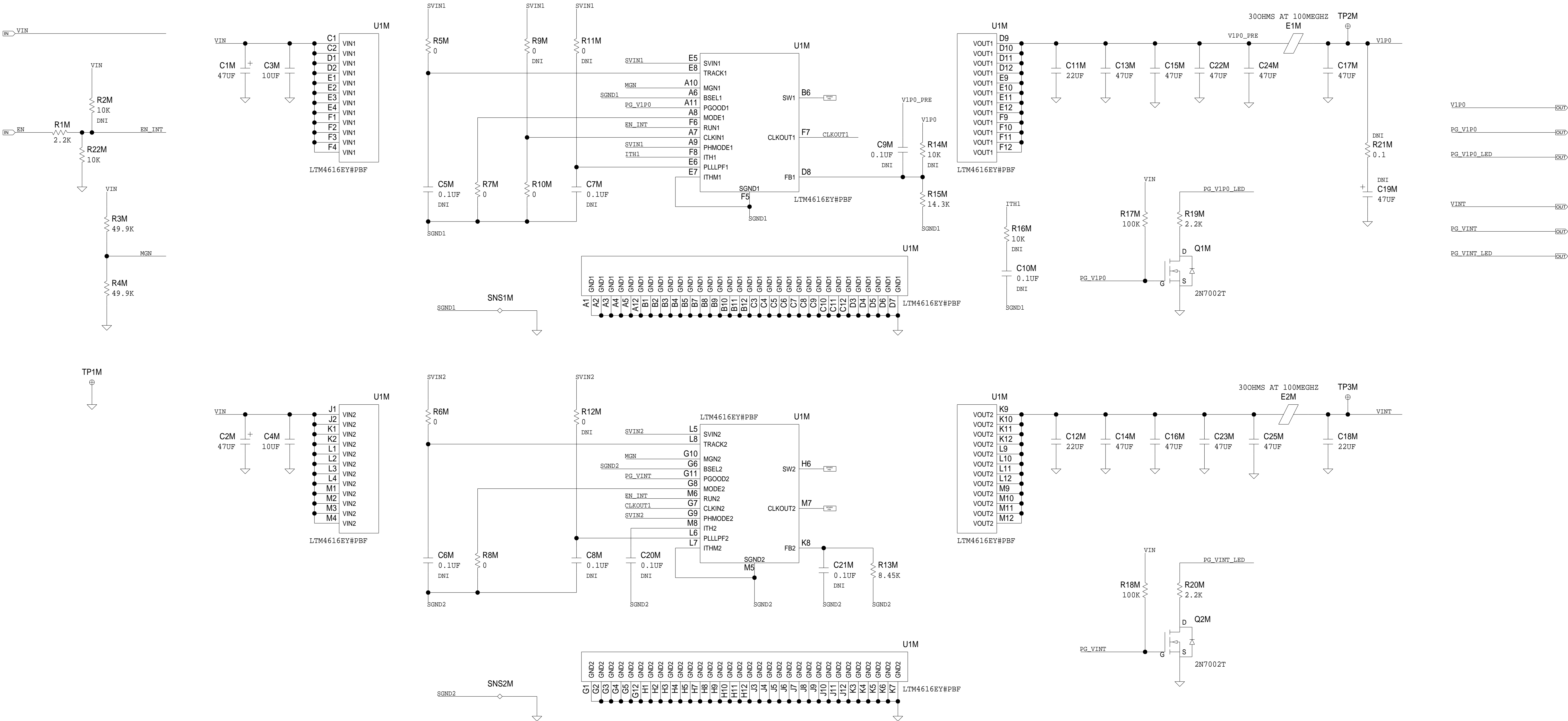
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



 <b>ANALOG DEVICES</b>	<h1 style="text-align: center;">SCHEMATIC</h1>				
	HW TYPE : Customer Evaluation Product(s) : MxPE : AD9082BBPZ-4D2AC				
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	PTD ENGINEER <b>D. DEBOLT</b>	SIZE <b>D</b>	SCALE <b>1:1</b>	SHEET <b>5</b> OF <b>30</b>	

BUCK 3P3V -- PAGE 1 OF 1

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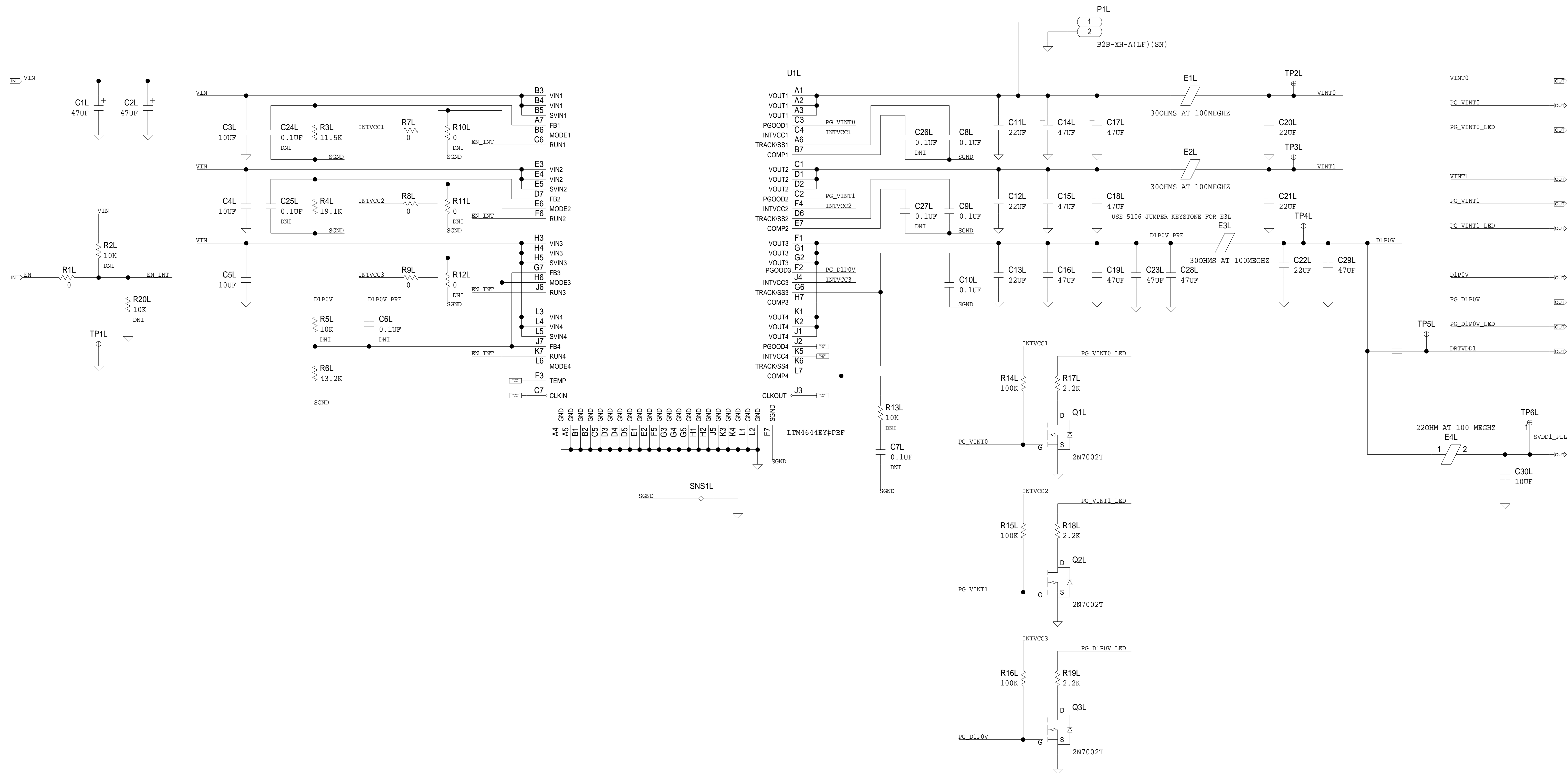


SCHEMATIC			
HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 6 OF 30



BUCK 12P0V -- PAGE 1 OF 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



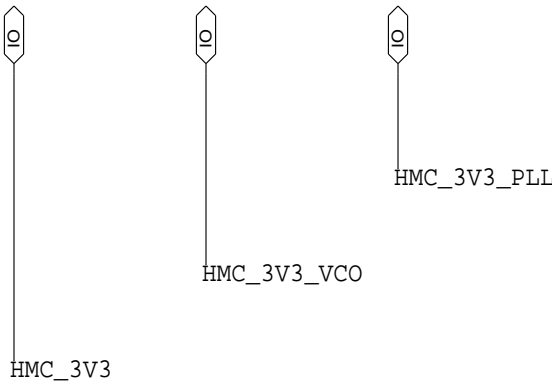
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HW TYPE : Customer Evaluation Product(s): MxFE : AD9082BBPZ-4D2AC			
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 7 OF 30

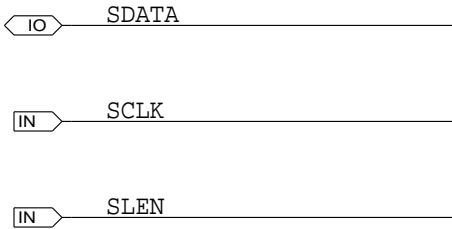
CLOCK GEN -- PAGE 1 OF 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

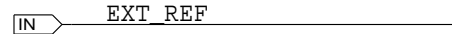
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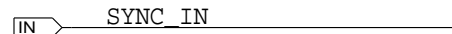
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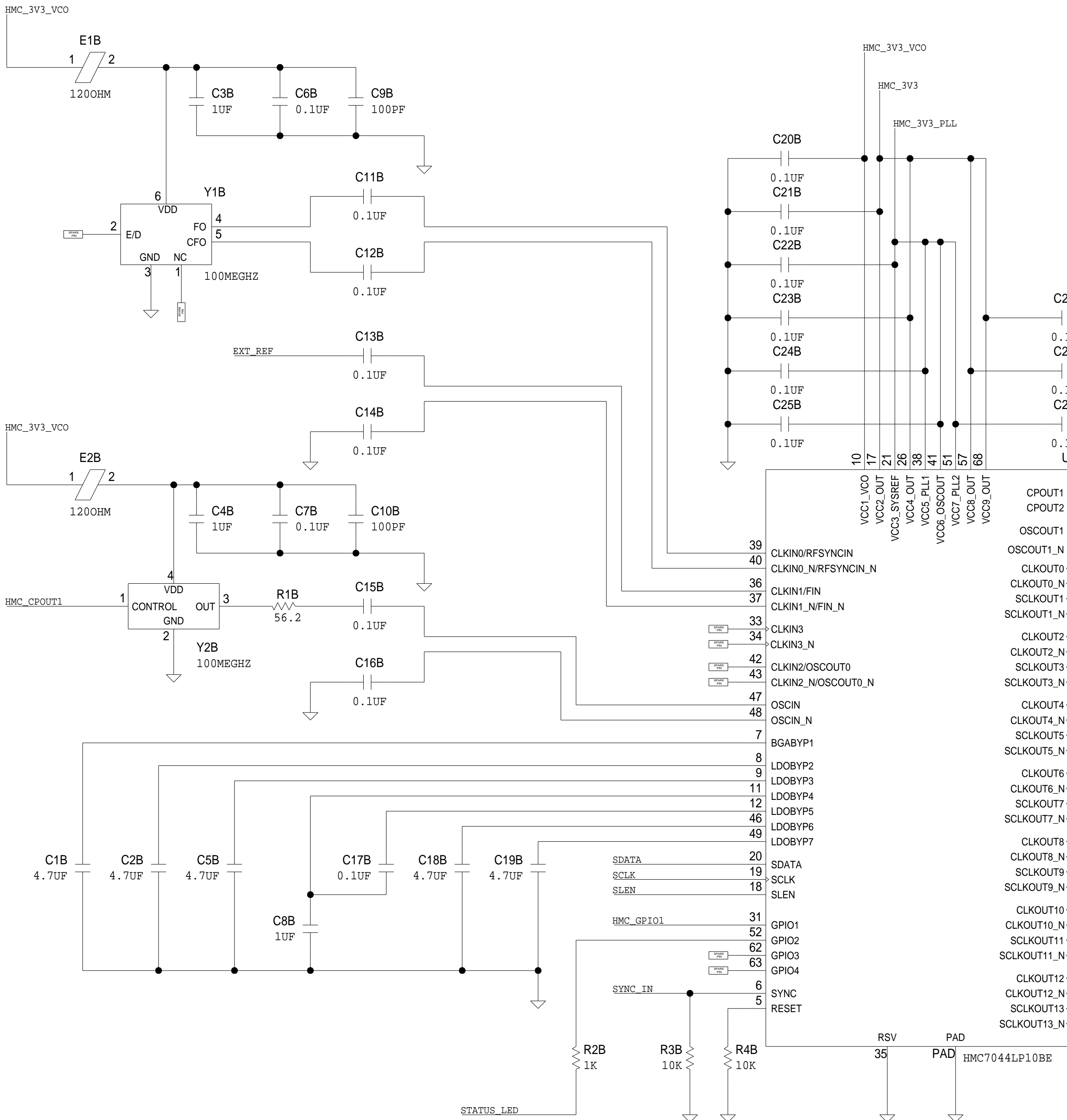
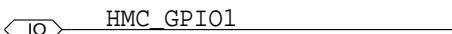
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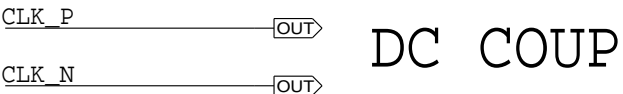
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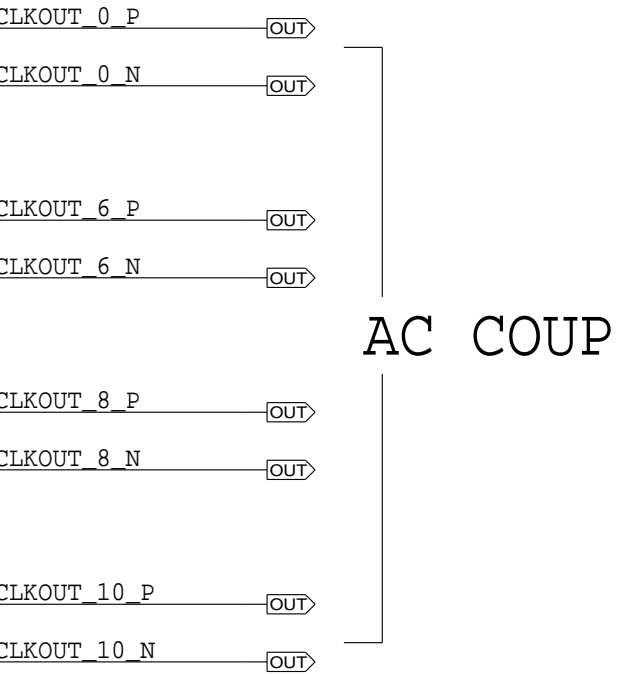
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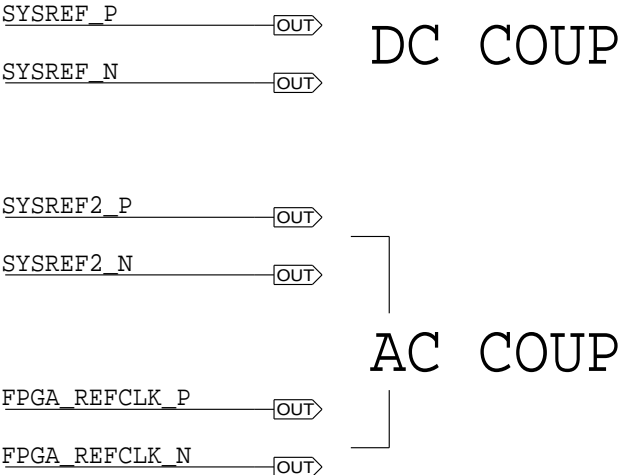
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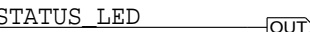
AUX CLOCKS



REF CLOCKS



STATUS LED

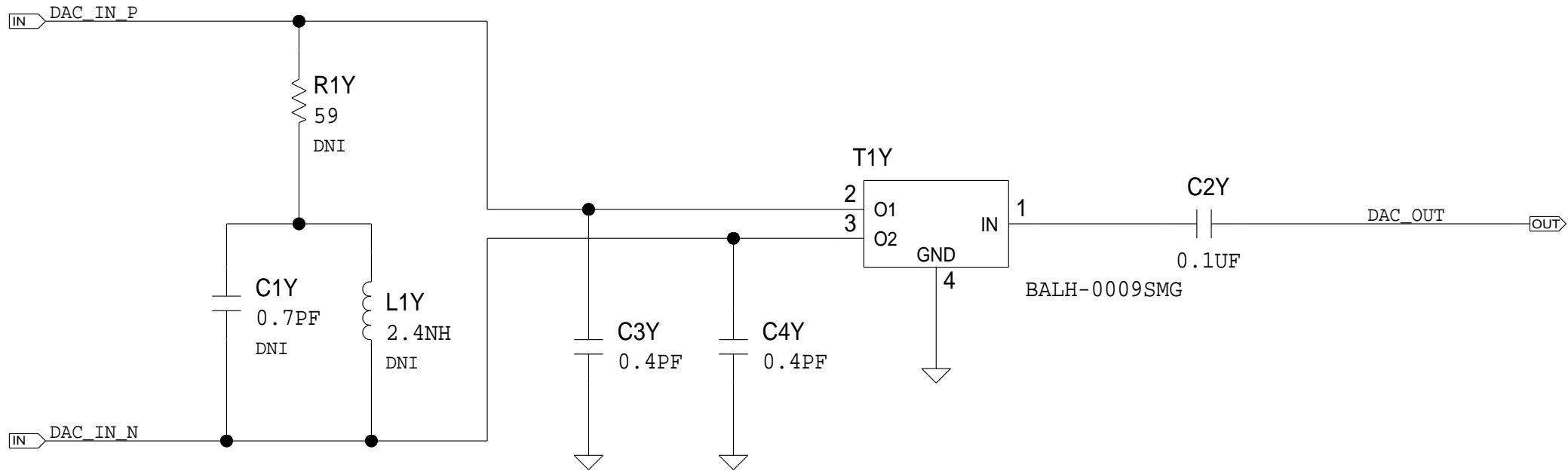


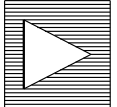
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HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 8 OF 30



DAC BALUN OPTION 2 -- PAGE 1 OF 1

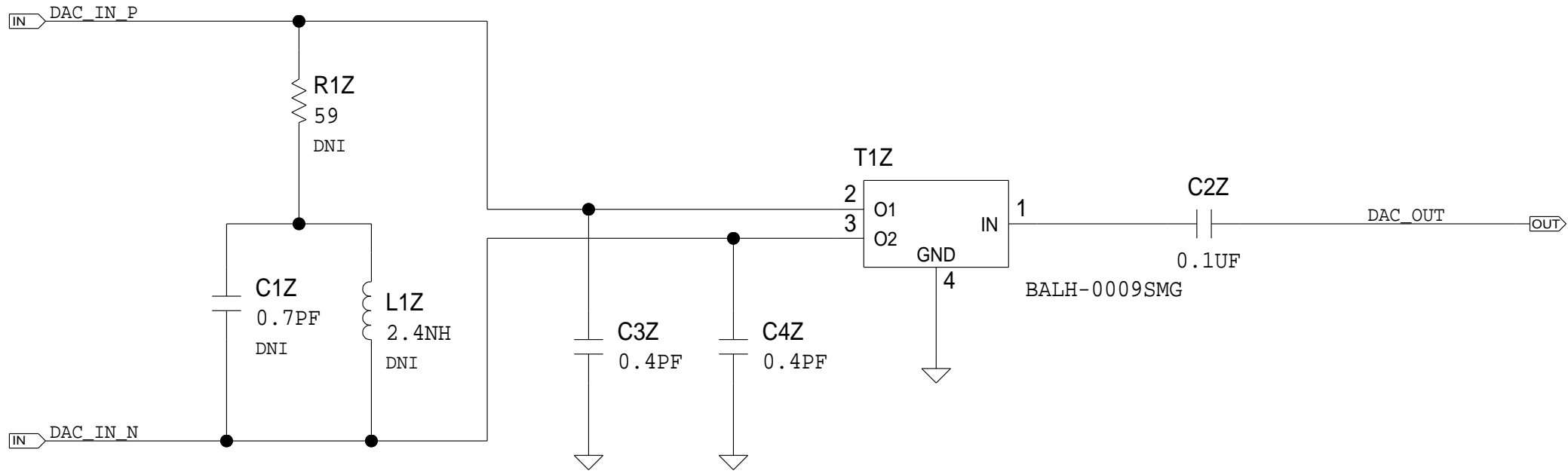
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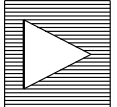


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	HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
	DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
	PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 9 OF 30

DAC BALUN OPTION 2 -- PAGE 1 OF 1

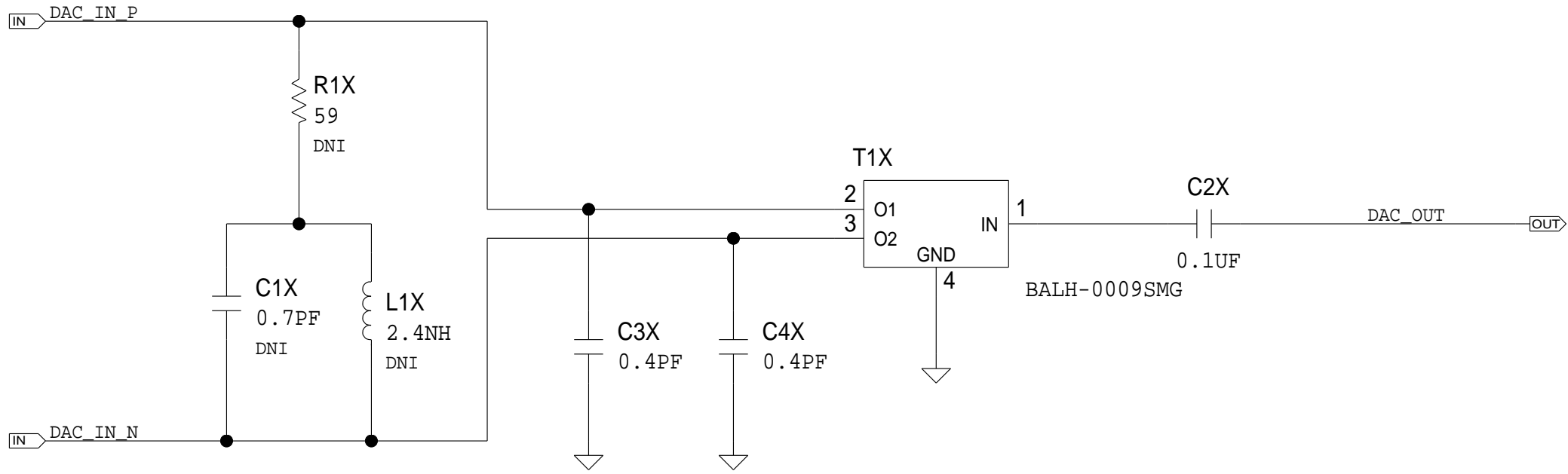
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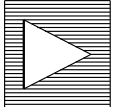


 ANALOG DEVICES	SCHEMATIC			
	HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
	DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
	PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 10 OF 30

DAC BALUN OPTION 2 -- PAGE 1 OF 1

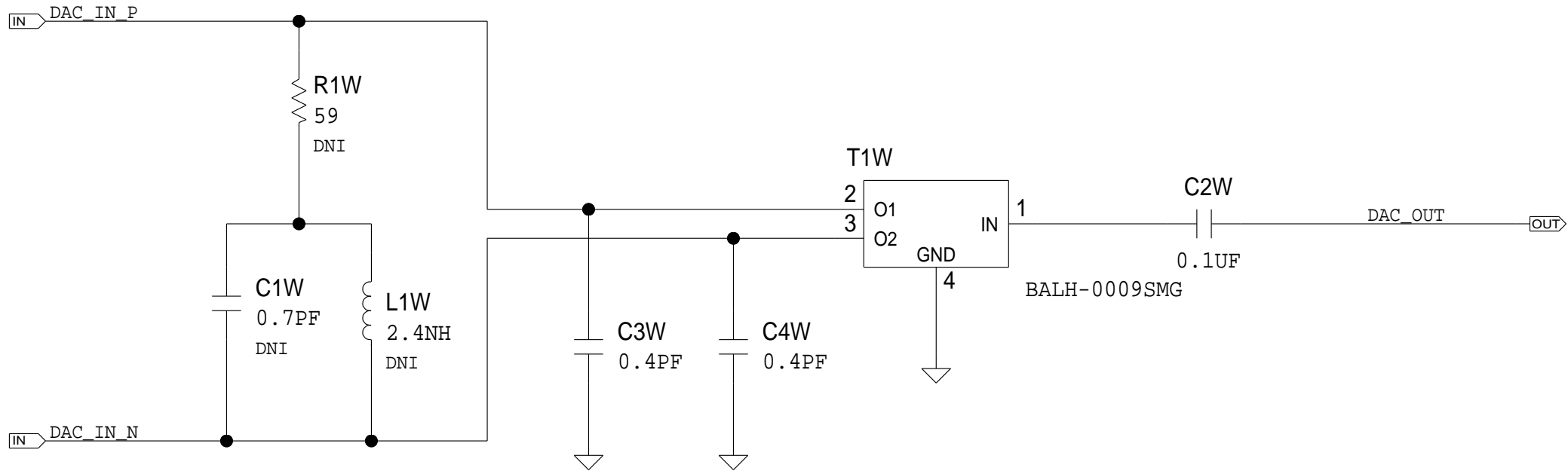
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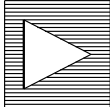


 <b>ANALOG DEVICES</b>	<b>SCHEMATIC</b>			
	HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
	DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
	PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 11 OF 30

DAC BALUN OPTION 2 -- PAGE 1 OF 1

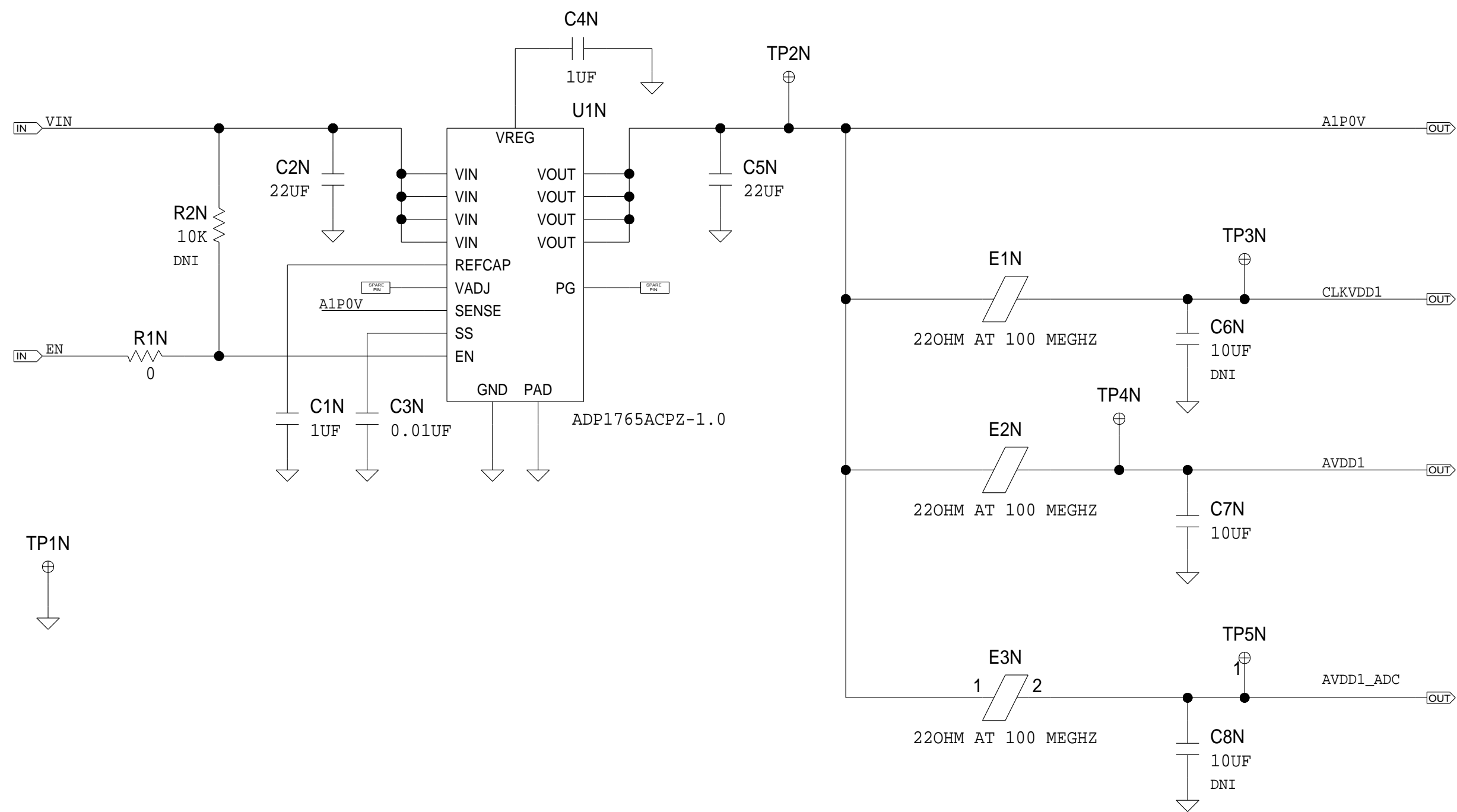
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



 <b>ANALOG DEVICES</b>	<b>SCHEMATIC</b>			
	HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
	DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
	PTD ENGINEER D. DEBOLT	SIZE <b>D</b>	SCALE 1:1	SHEET 12 OF 30

LDO ANALOG 1P0V -- PAGE 1 OF 1

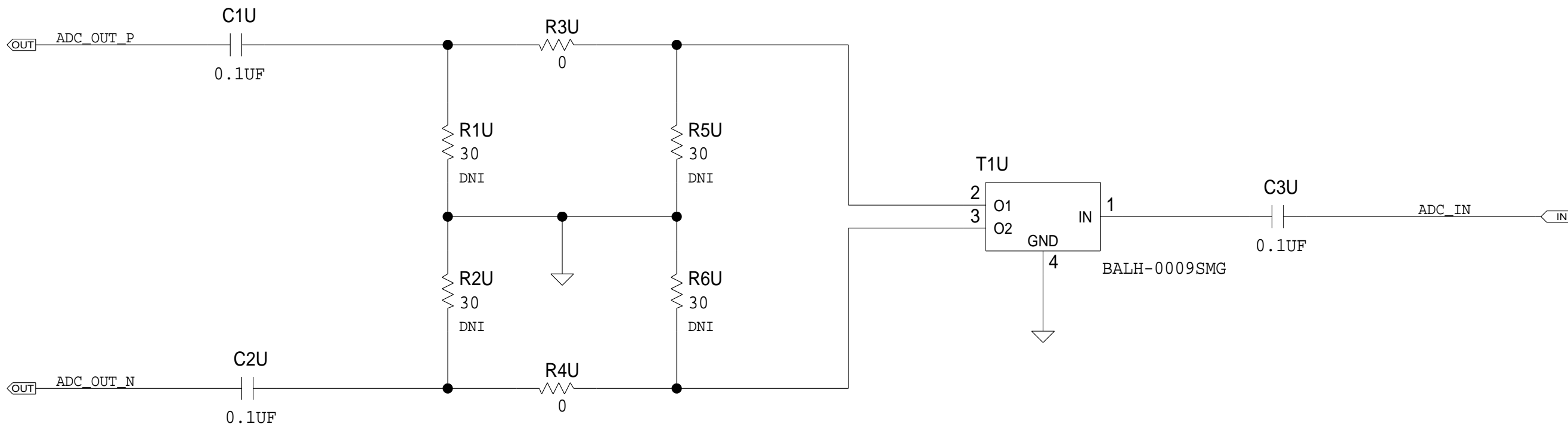
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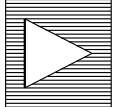


SCHEMATIC			
HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 13 OF 30

ADC BALUN OPTION 2 -- PAGE 1 OF 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

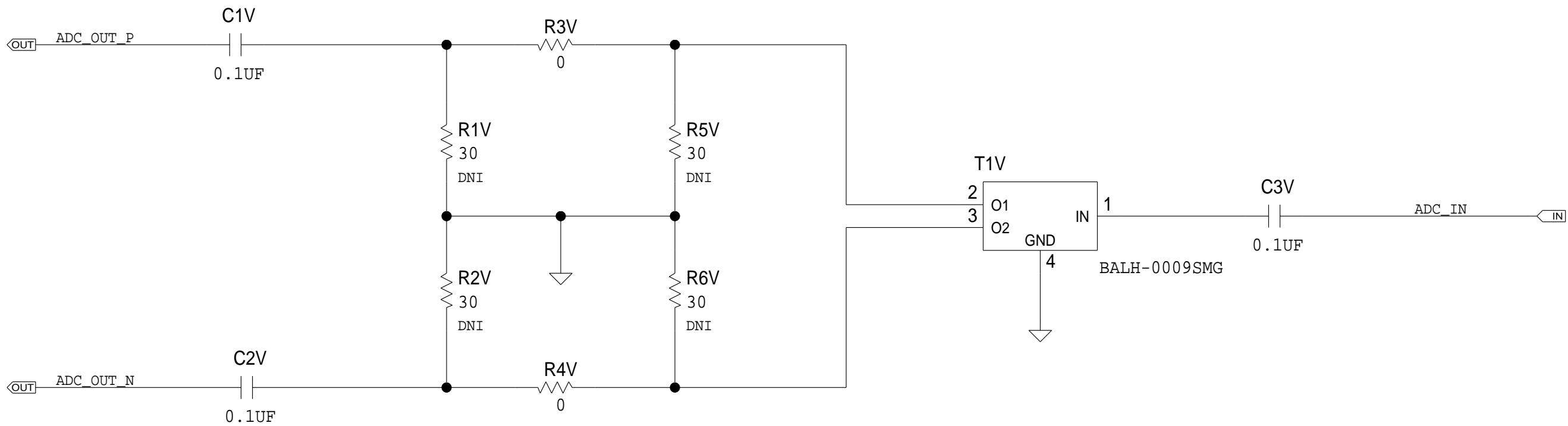


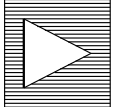
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	HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
	DESIGN VIEW <DESIGN_VIEW>		DRAWING NO. 02_049648	REV J
	PTD ENGINEER D. DEBOLT	SIZE <b>D</b>	SCALE 1:1	SHEET 14 OF 30

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ADC BALUN OPTION 2 -- PAGE 1 OF 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

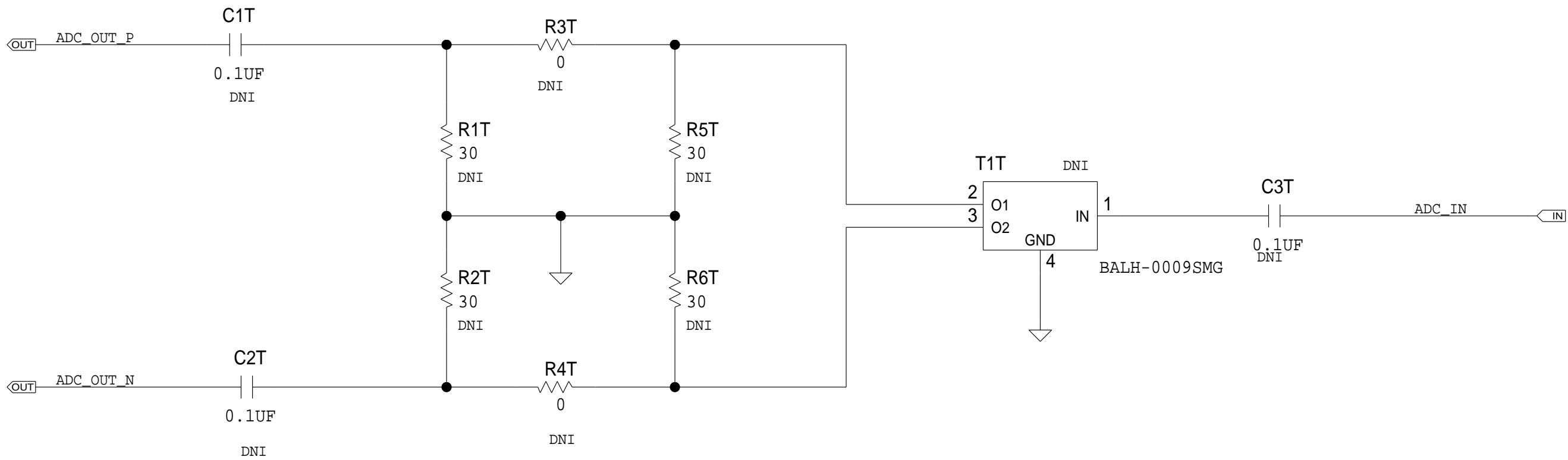


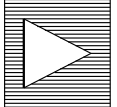
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	HW TYPE : Customer Evaluation Product(s): MxFE : AD9082BBPZ-4D2AC			
	DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
	PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 15 OF 30



ADC BALUN OPTION 2 -- PAGE 1 OF 1

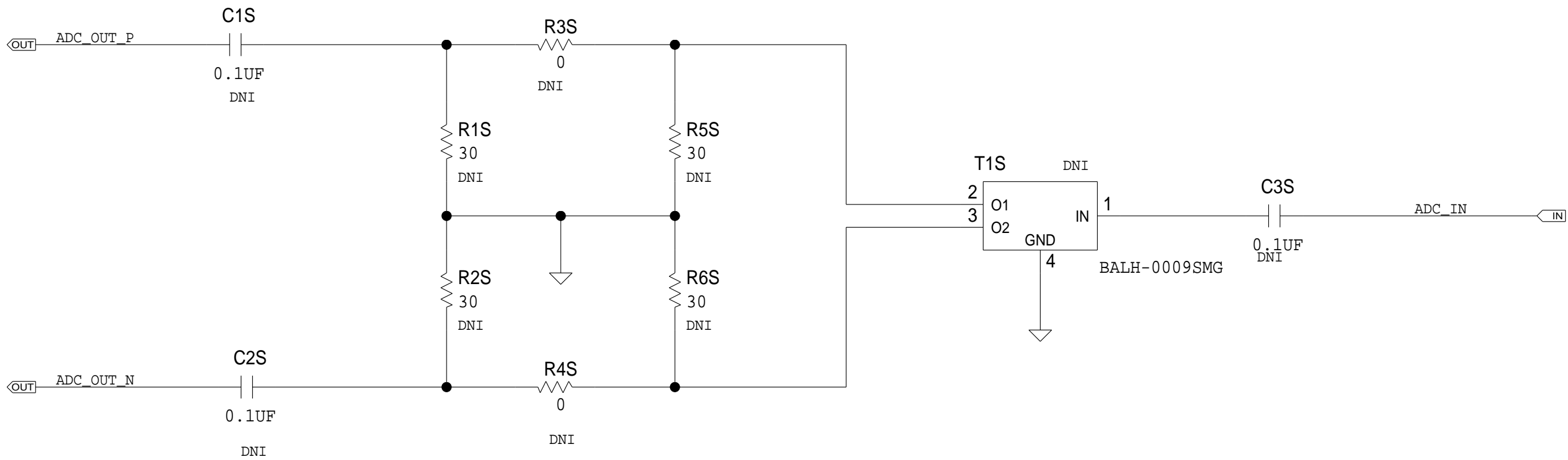
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

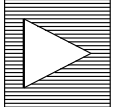


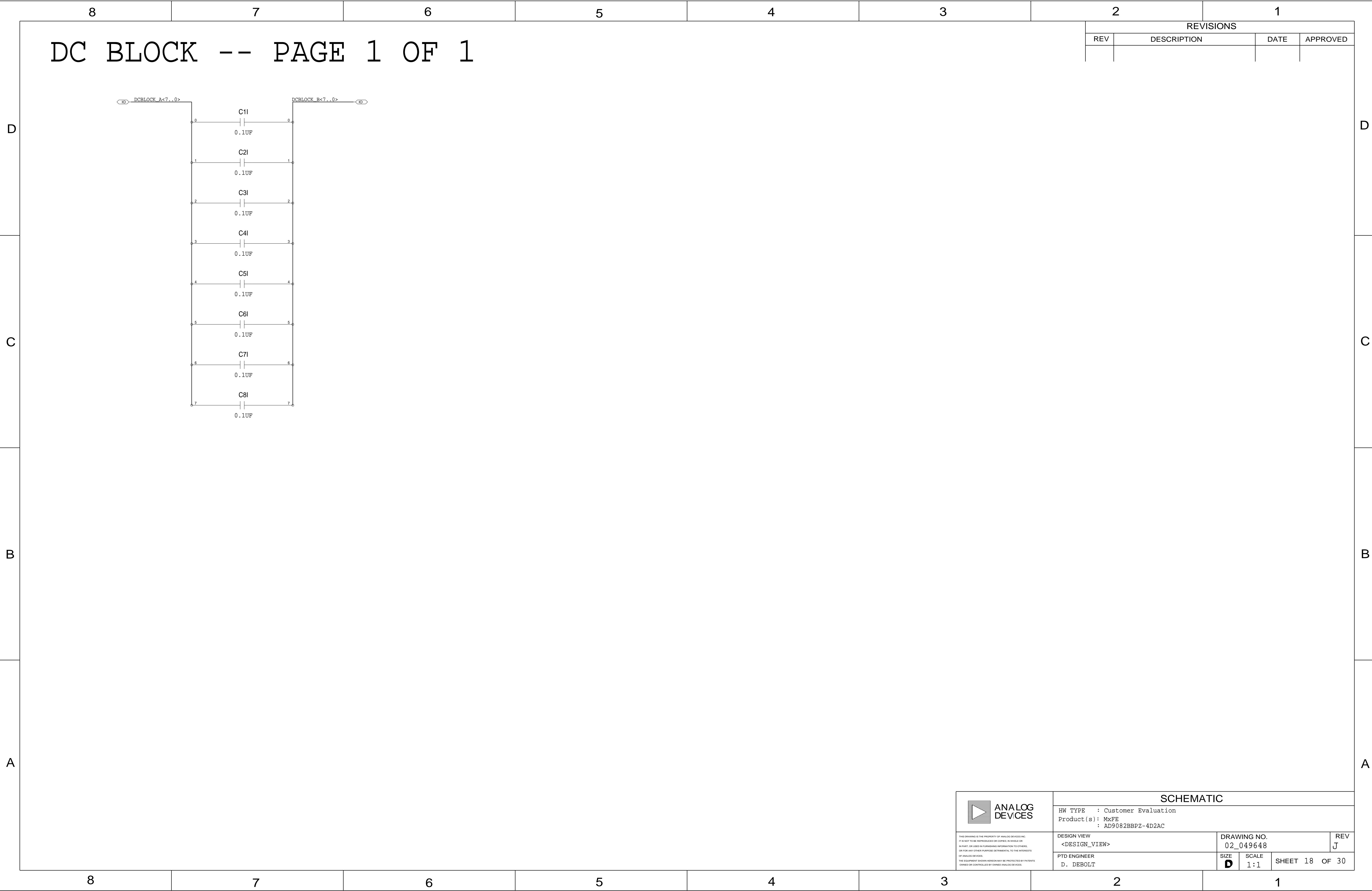
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	HW TYPE : Customer Evaluation Product(s): MxFE : AD9082BBPZ-4D2AC			
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	PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 16 OF 30

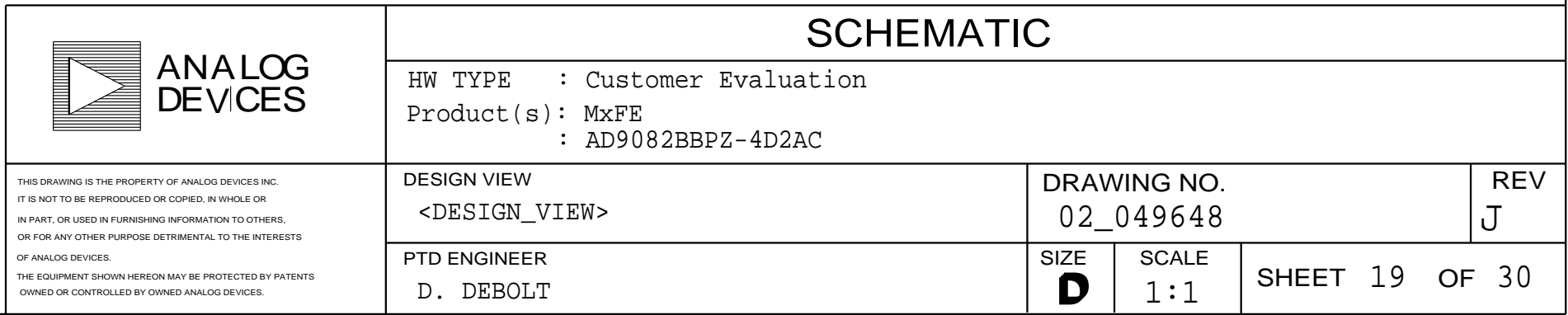
ADC BALUN OPTION 2 -- PAGE 1 OF 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

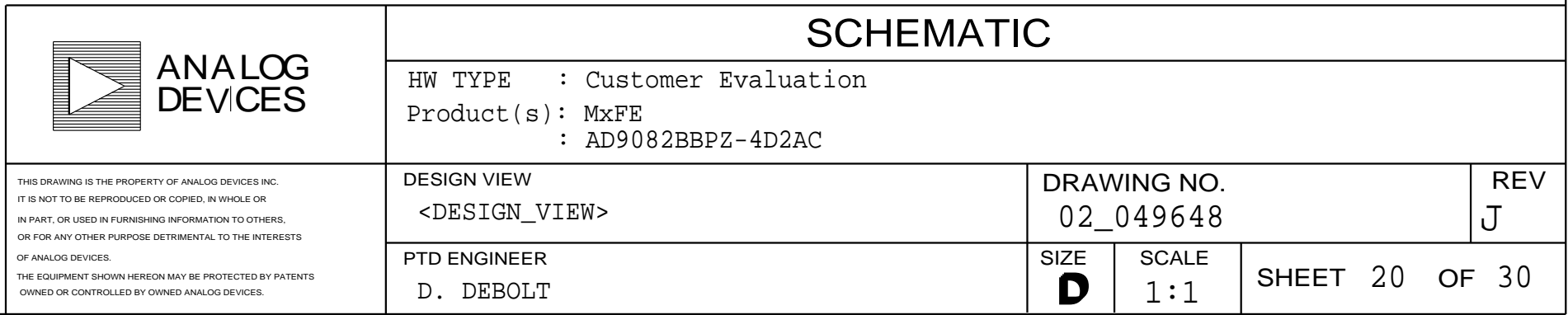


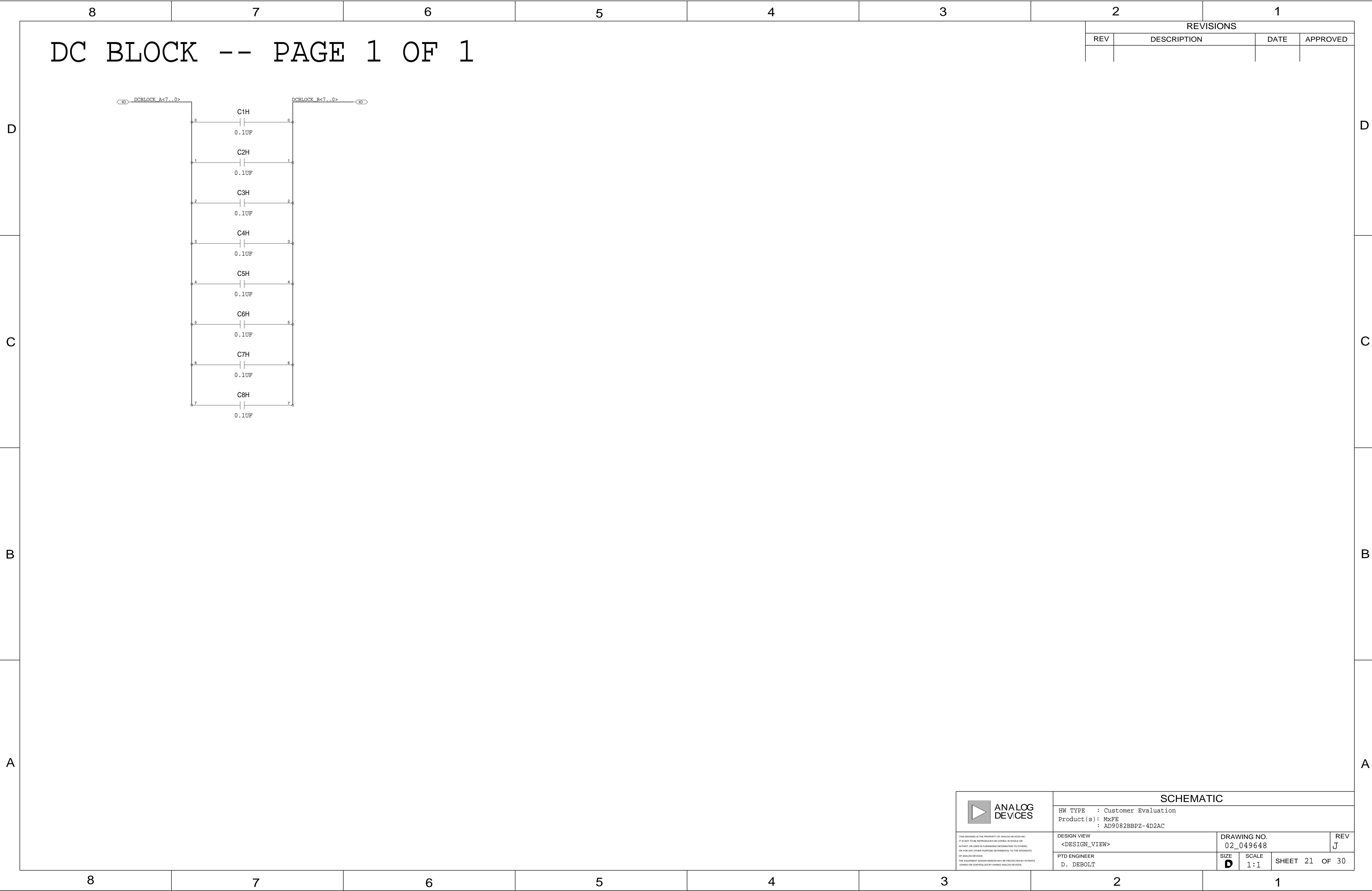
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	HW TYPE : Customer Evaluation Product(s): MxFE : AD9082BBPZ-4D2AC			
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	PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 17 OF 30





REVISIONS			
REV	DESCRIPTION	DATE	APPROVED





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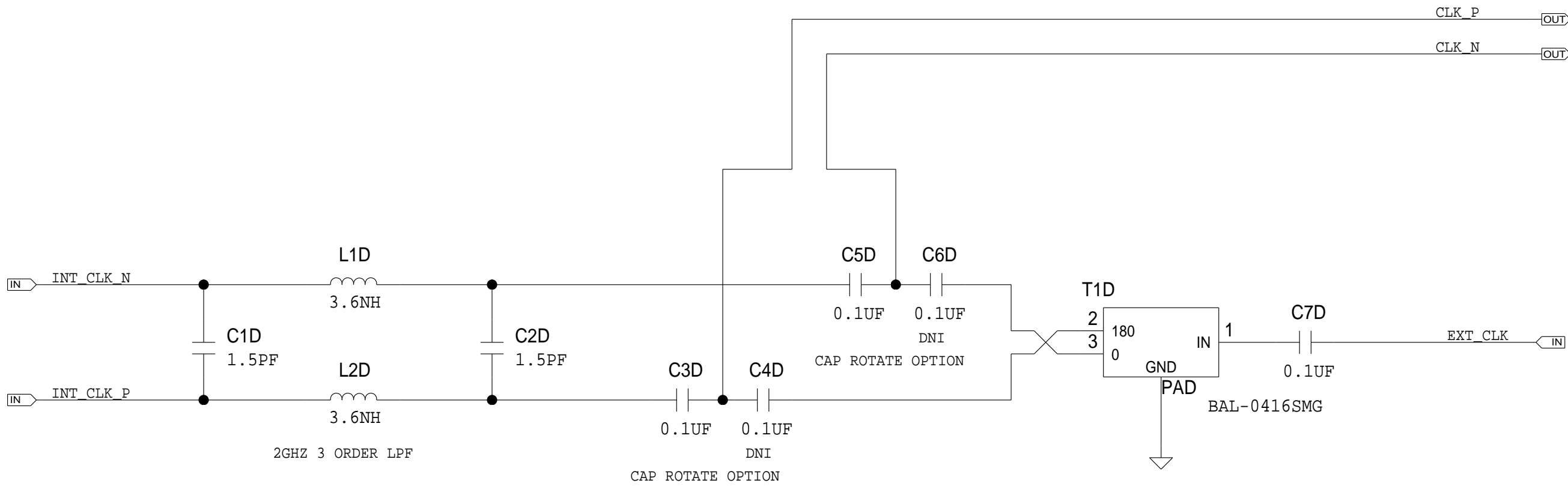
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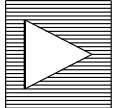
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MAIN CLOCK PATH -- PAGE 1 OF 1

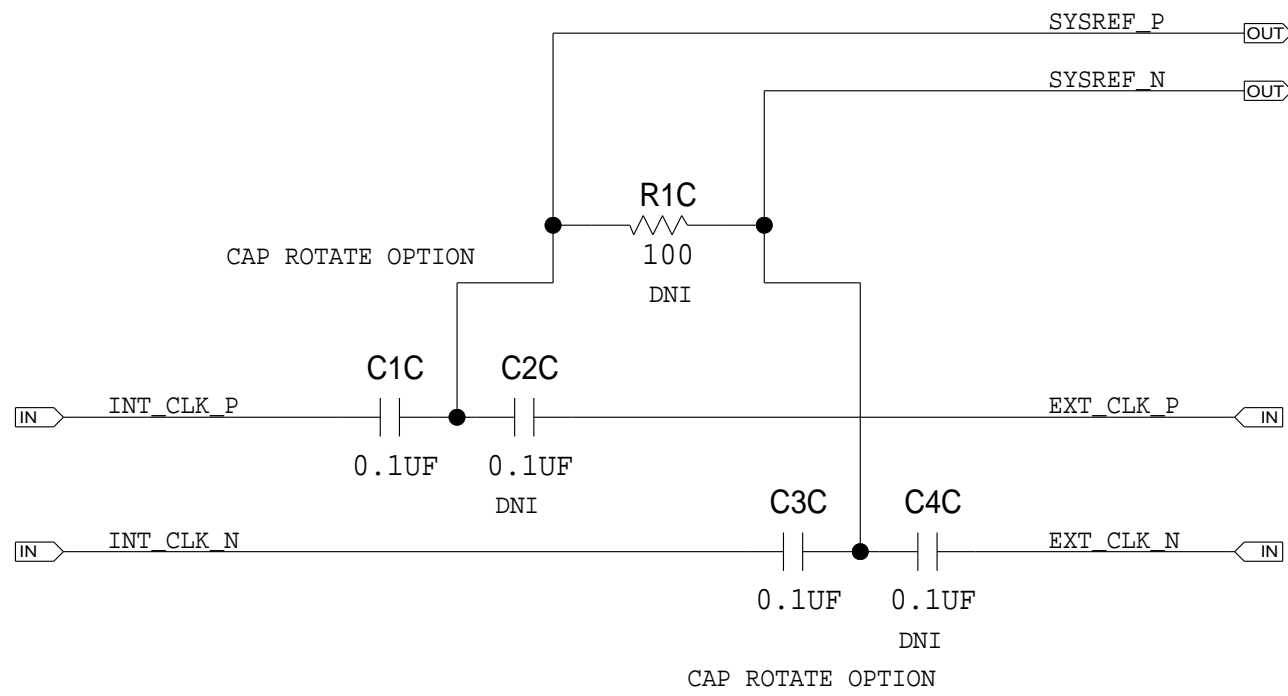
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

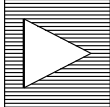


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	PTD ENGINEER D. DEBOLT	SIZE <b>D</b>	SCALE 1:1	SHEET 22 OF 30



SYSREF CLOCK PATH -- PAGE 1 OF 1

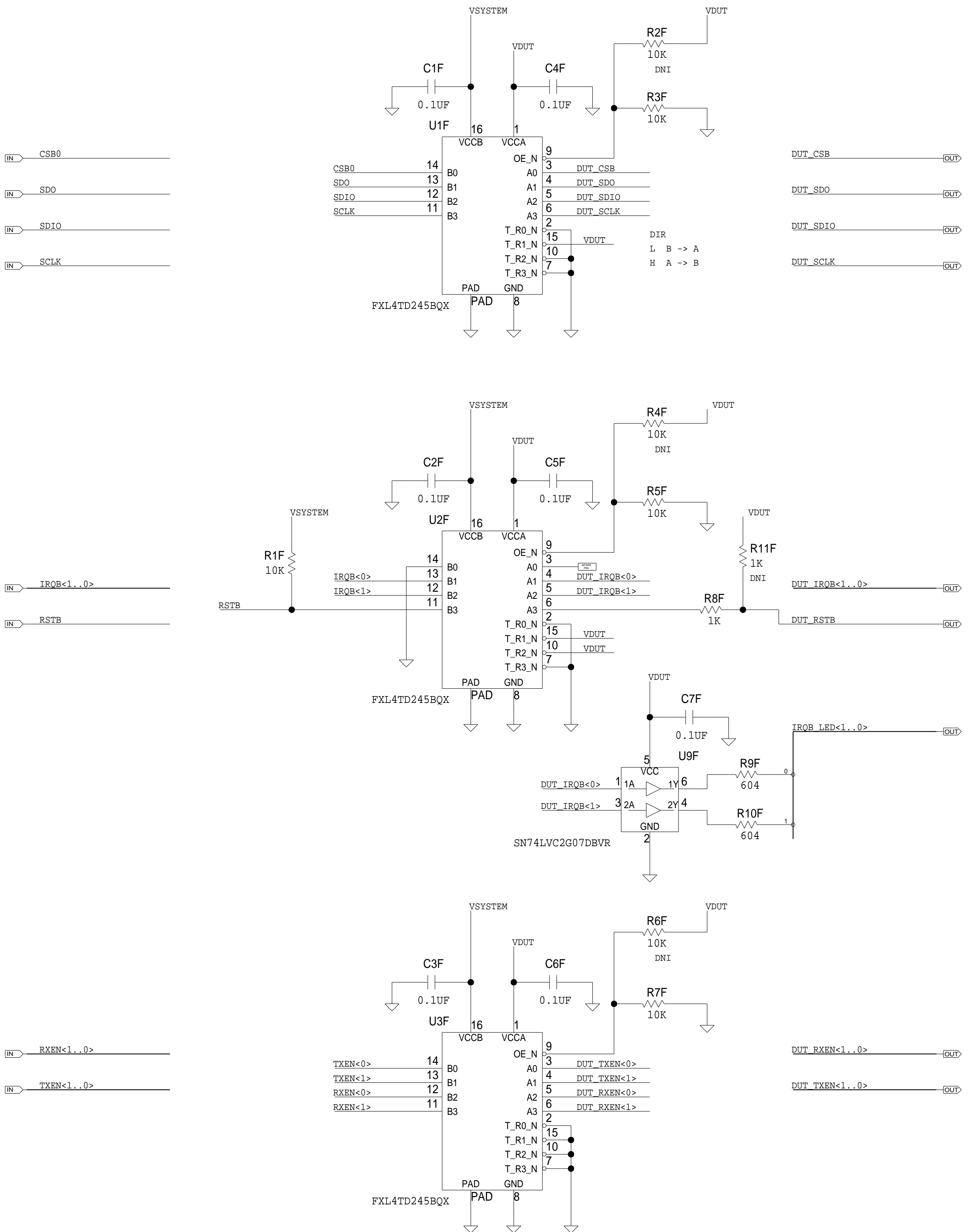


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	PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 23 OF 30

LEVEL SHIFTERS -- PAGE 1 OF 2

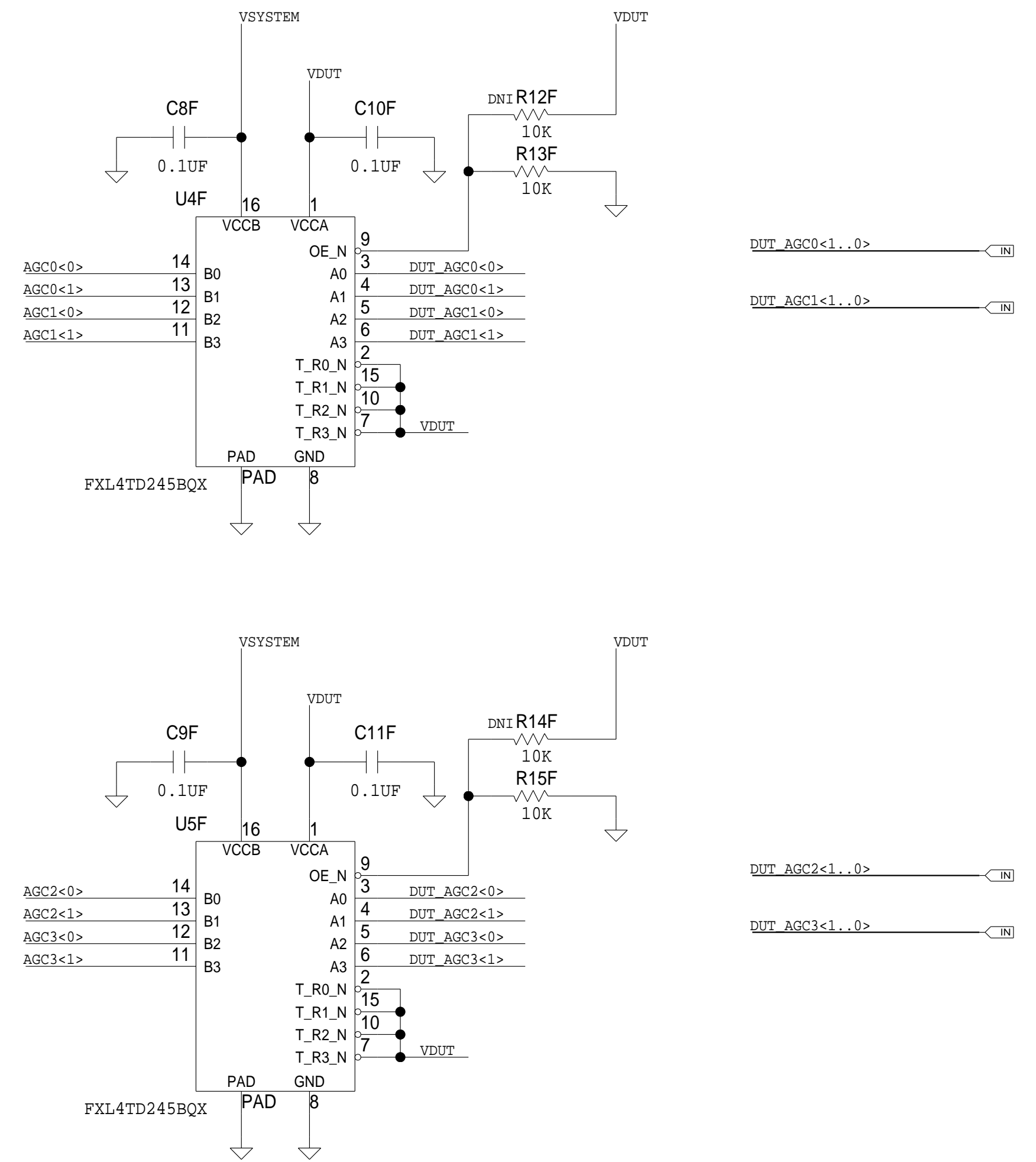
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

SUPPLIES



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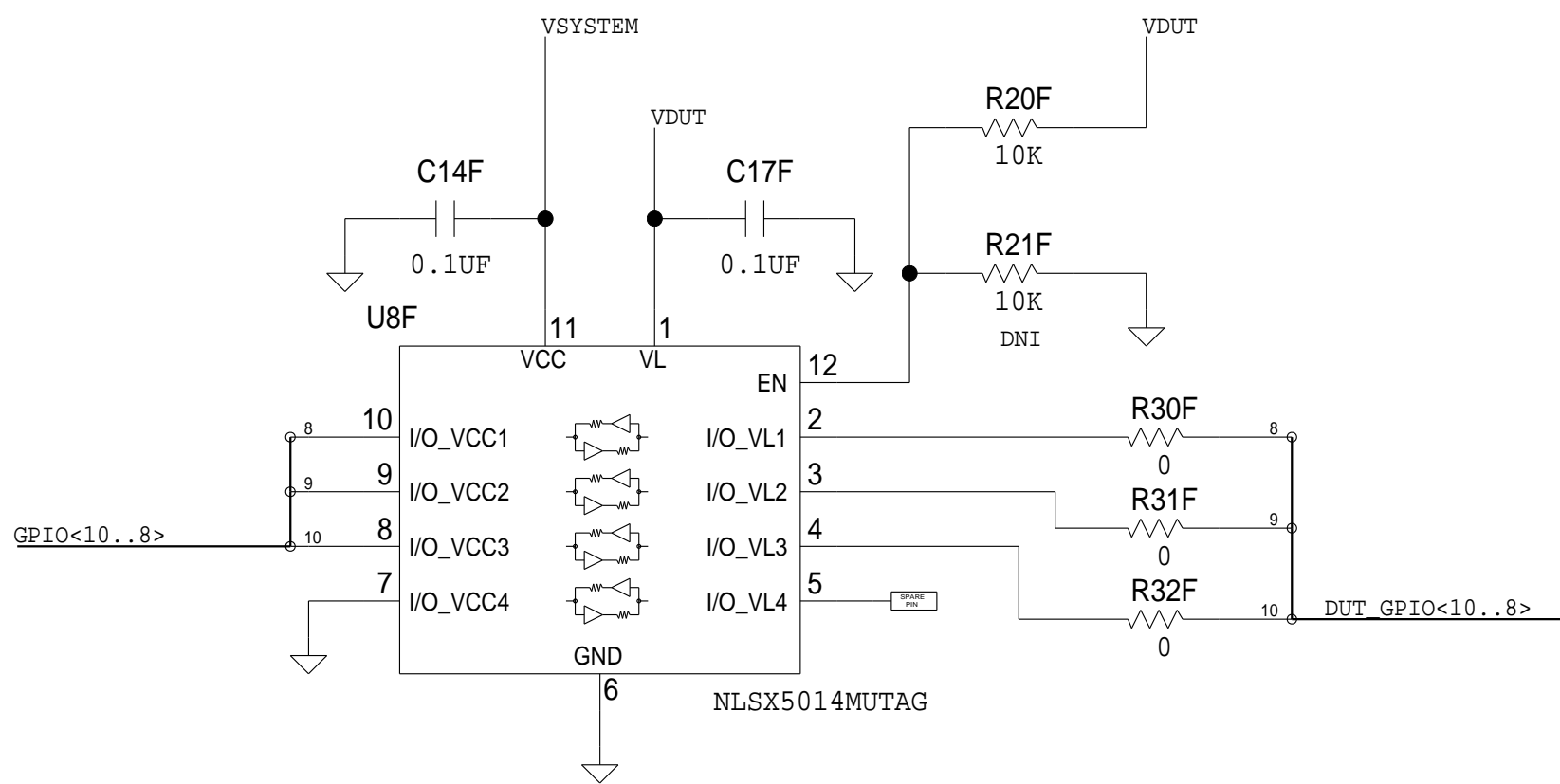
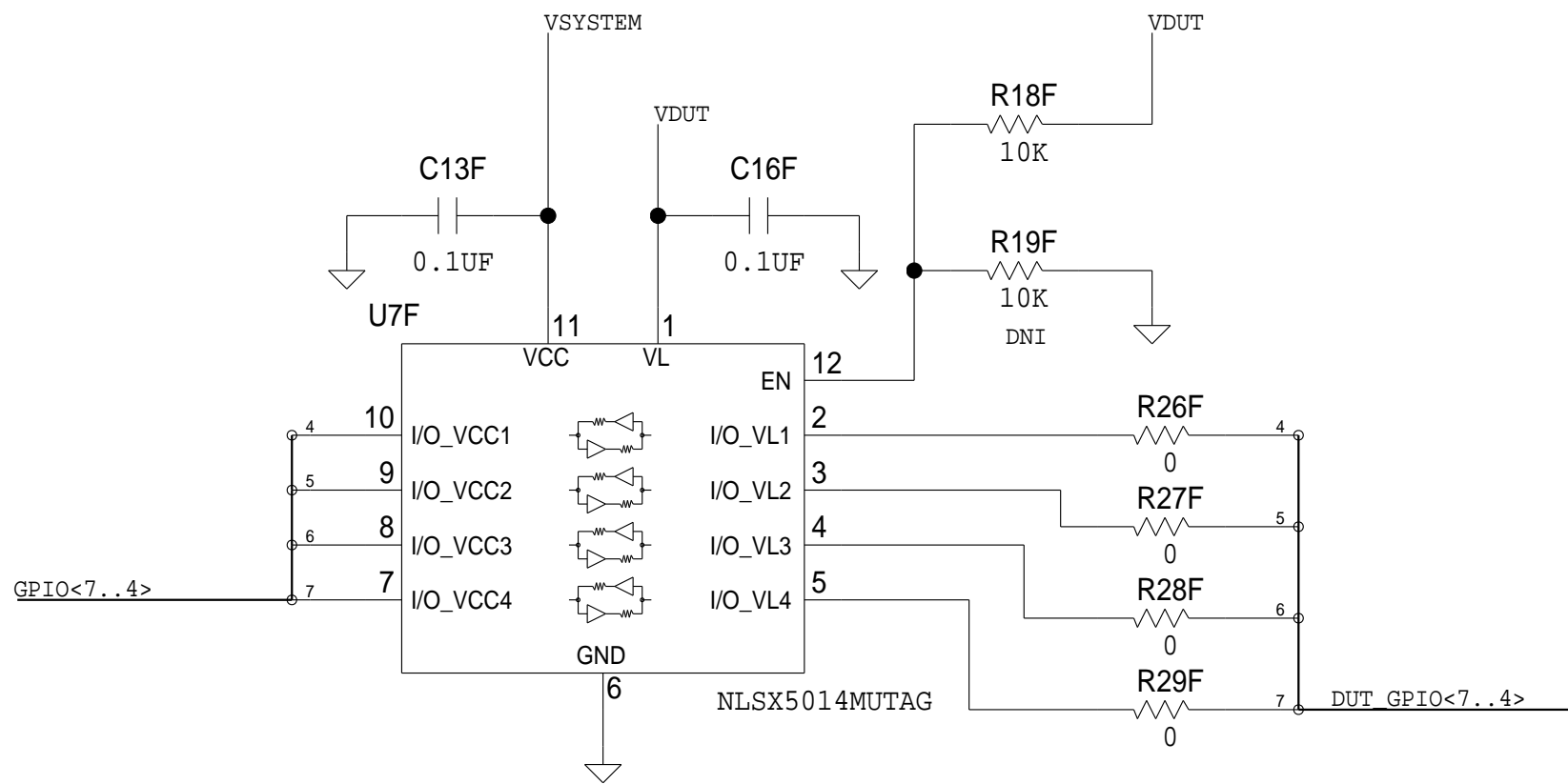
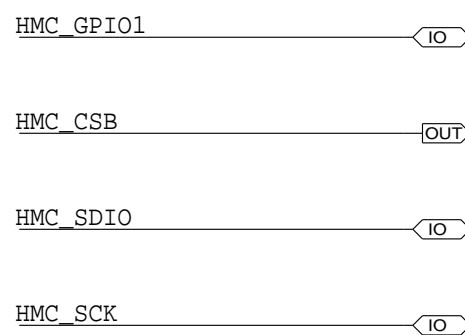
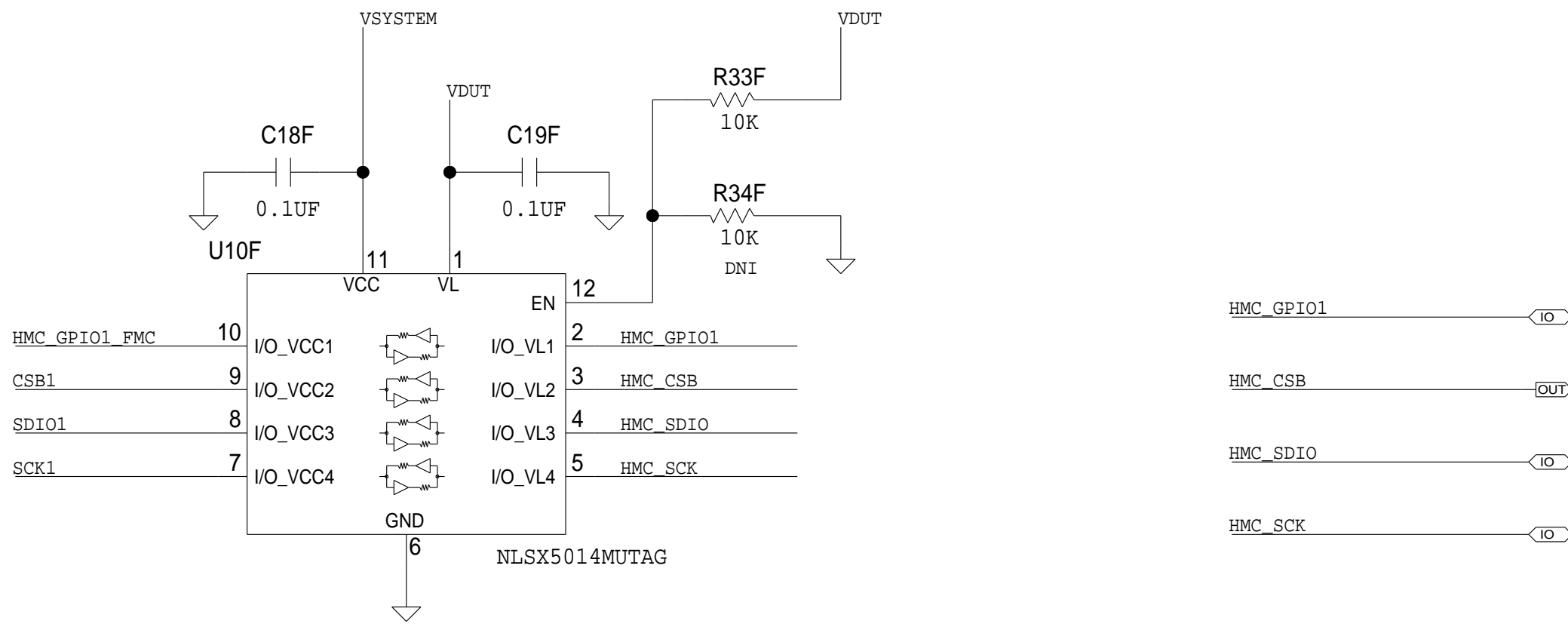
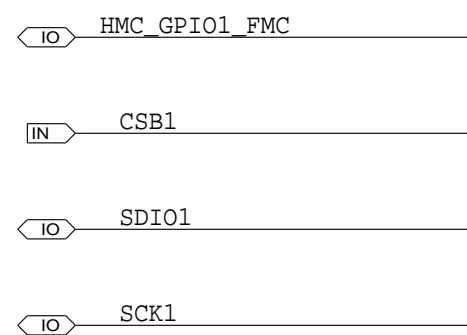
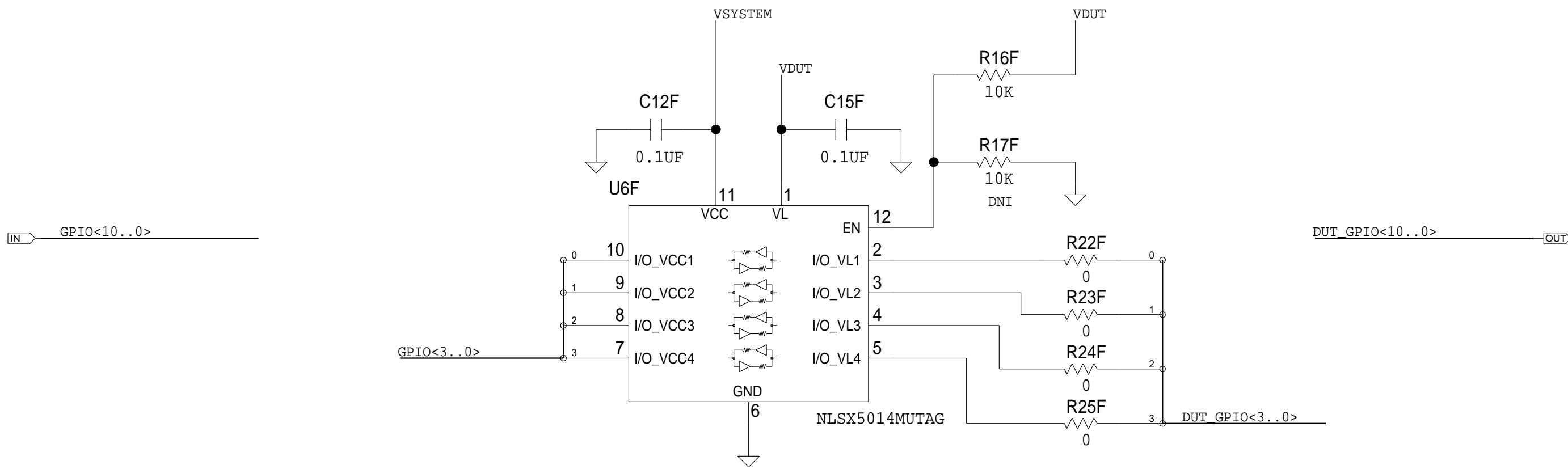
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HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_049648	REV J	
PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 24 OF 30

LEVEL SHIFTERS -- PAGE 2 OF 2

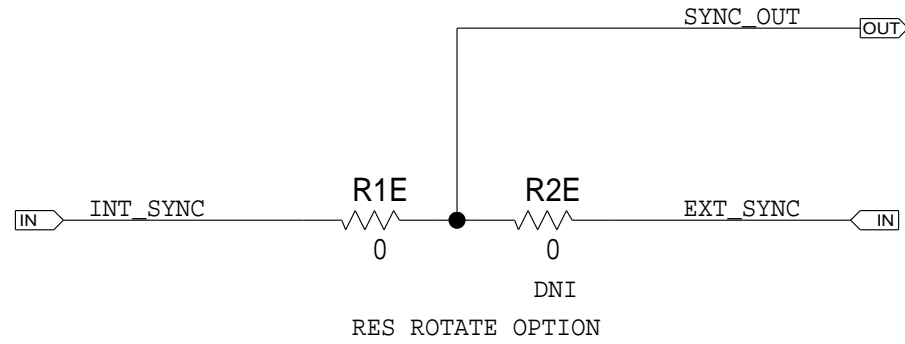
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

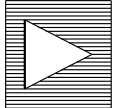


SCHEMATIC			
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PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 25 OF 30

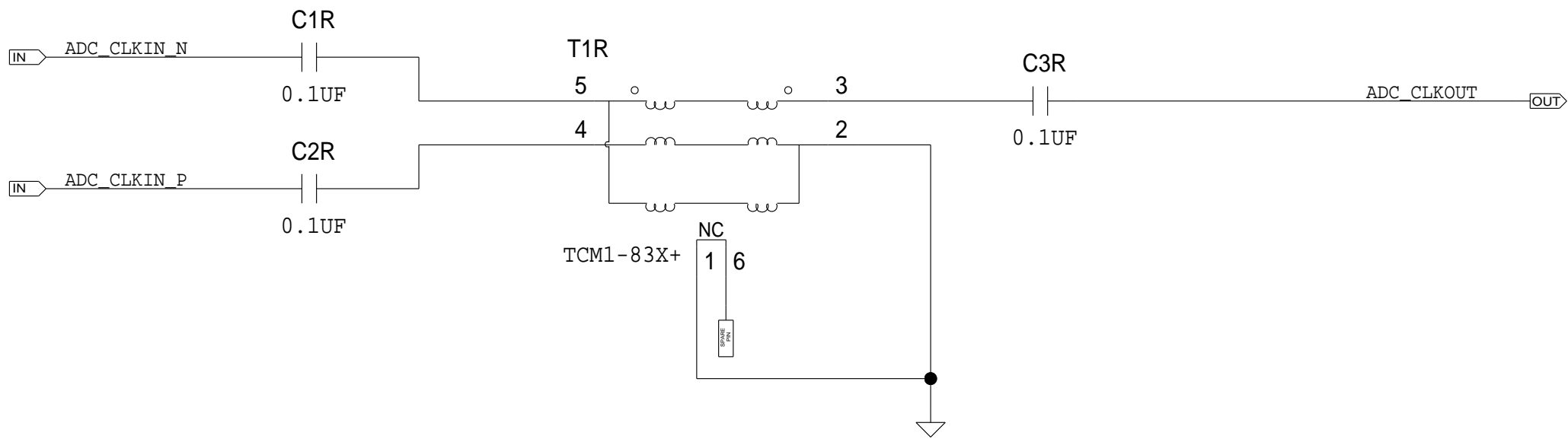


# SYNC PATH -- PAGE 1 OF 1

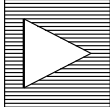


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	HW TYPE : Customer Evaluation Product(s) : MxFE : AD9082BBPZ-4D2AC			
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	PTD ENGINEER D. DEBOLT	SIZE <b>D</b>	SCALE 1:1	SHEET 26 OF 30

ADC CLOCK DRIVER BALUN -- PAGE 1 OF 1

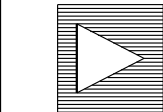
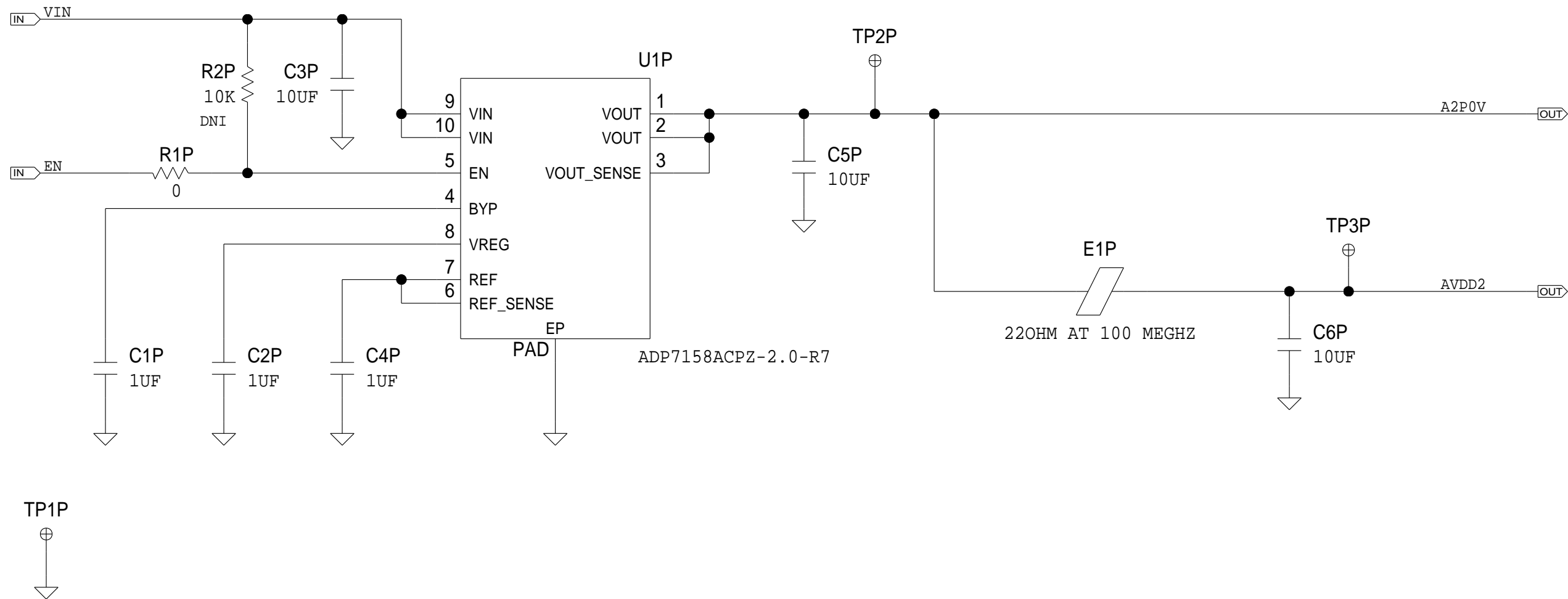


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

 ANALOG DEVICES	SCHEMATIC			
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	PTD ENGINEER D. DEBOLT	SIZE D	SCALE 1:1	SHEET 27 OF 30

LDO ANALOG 2P0V -- PAGE 1 OF 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



ANALOG  
DEVICES

SCHEMATIC

HW TYPE : Customer Evaluation  
Product(s): MxFE  
: AD9082BBPZ-4D2AC

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DRAWING NO.  
02\_049648

REV  
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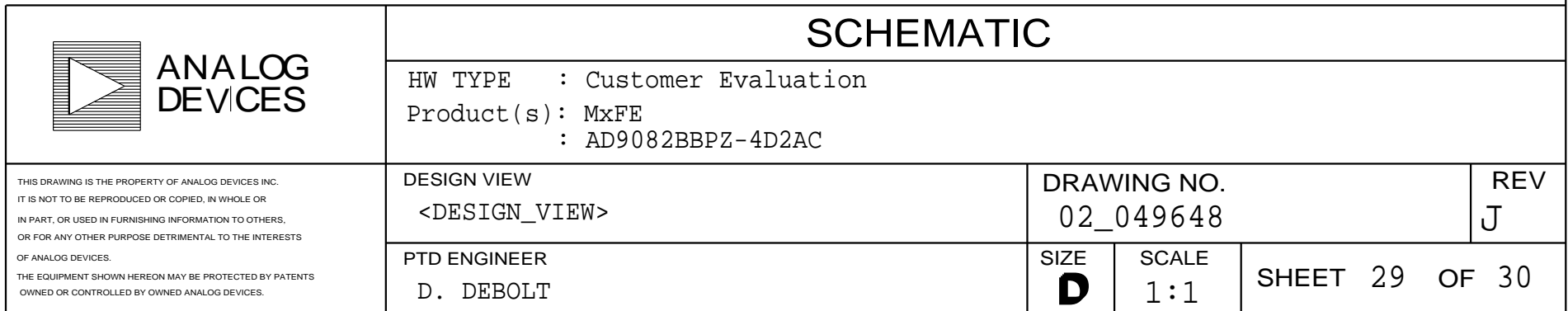
PTD ENGINEER  
D. DEBOLT

SIZE  
D

SCALE  
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SHEET 28 OF 30

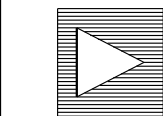
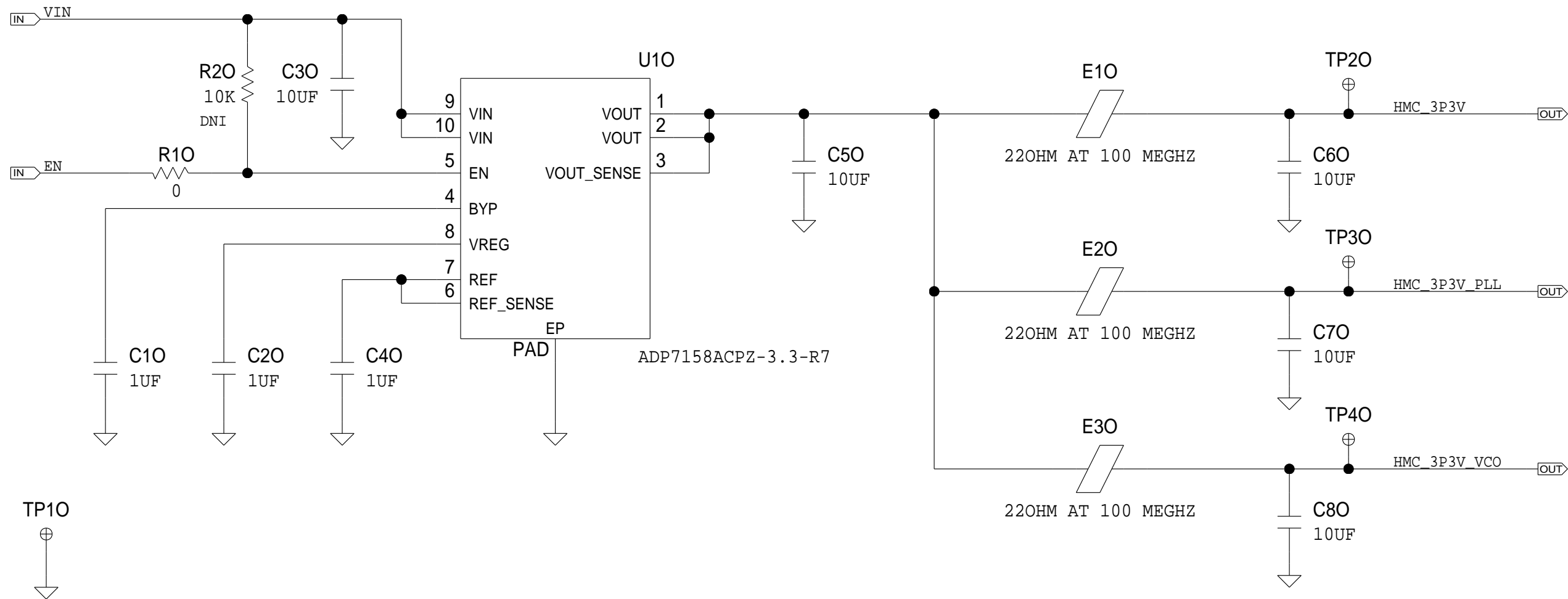
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REV	DESCRIPTION	DATE	APPROVED





HMC7044 LDO -- PAGE 1 OF 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



ANALOG  
DEVICES

SCHEMATIC

HW TYPE : Customer Evaluation  
Product(s) : MxFE  
: AD9082BBPZ-4D2AC

DESIGN VIEW  
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PTD ENGINEER  
D. DEBOLT

DRAWING NO.  
02\_049648

SIZE  
D

SCALE  
1:1

SHEET 30 OF 30

REV  
J