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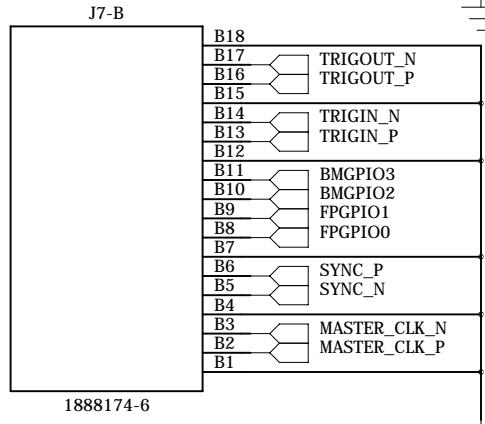
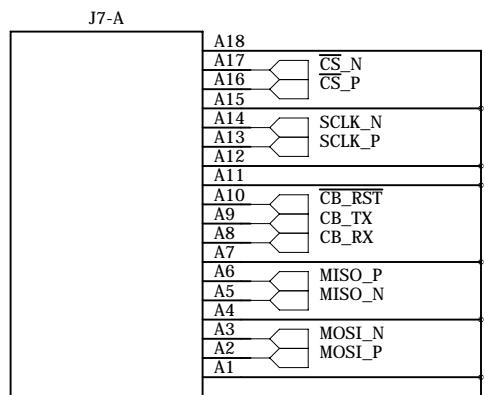
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REVISION RECORD

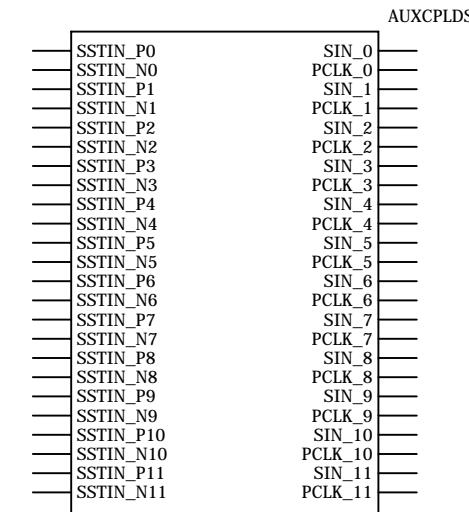
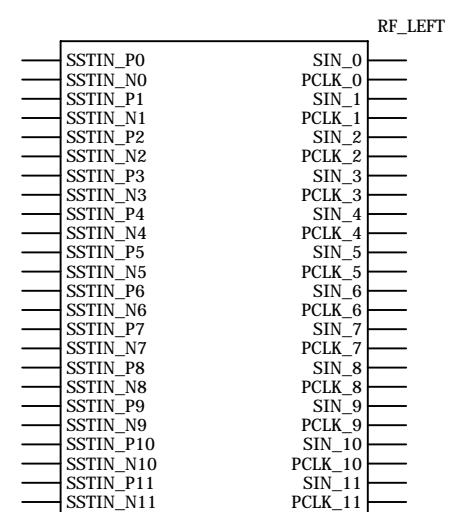
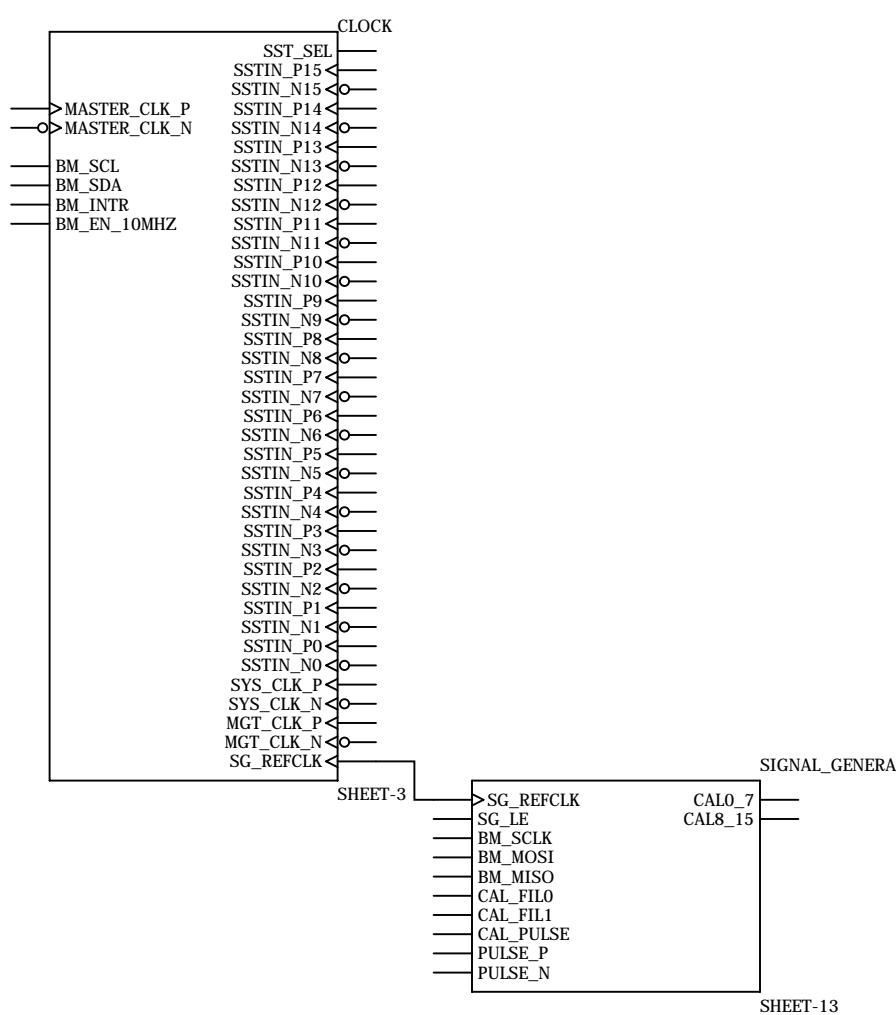
LTR	ECO NO:	APPROVED:	DATE:

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protection diodes somewhere??

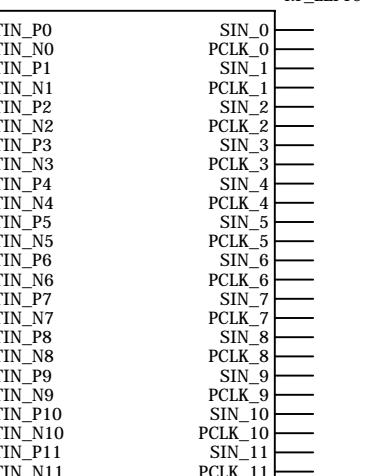
ECO 6/2: swap A/B on sideband signals



SHEET-18

SHEET-41

REGCLR



SHEET-42

SFF-8087 connector

Cable is designed with 8 differential pairs

TRIGIN+/-

TRIGOUT+/-

CLK+/-

SYNC+/-

MOSI/GND

MISO/GND (these are implemented as differential pairs)

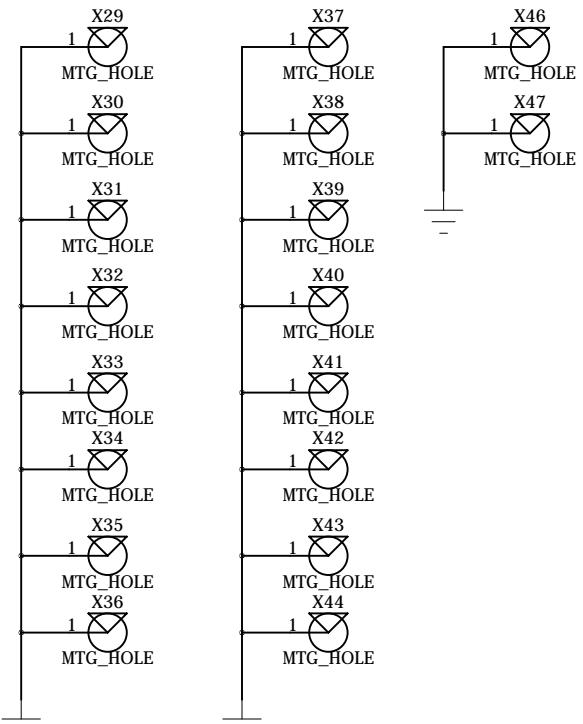
SCLK/GND (allows for a higher-speed FPGA-to-FPGA link)

CS/GND (if used single ended, just drive N side to ground in FPGA)

There are also 8 sideband signals

RX/TX/RST/GND/GPIO[3:0]

At some point I'll finish a top block diagram...



REGCLR

COMPANY:	Ohio State University		
SHEET:	TOP		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
CODE:	SIZE:	DESIGN:	REV:
4	C	RADIANT	A
SCALE: <Scale>	SHEET: 1F 74		

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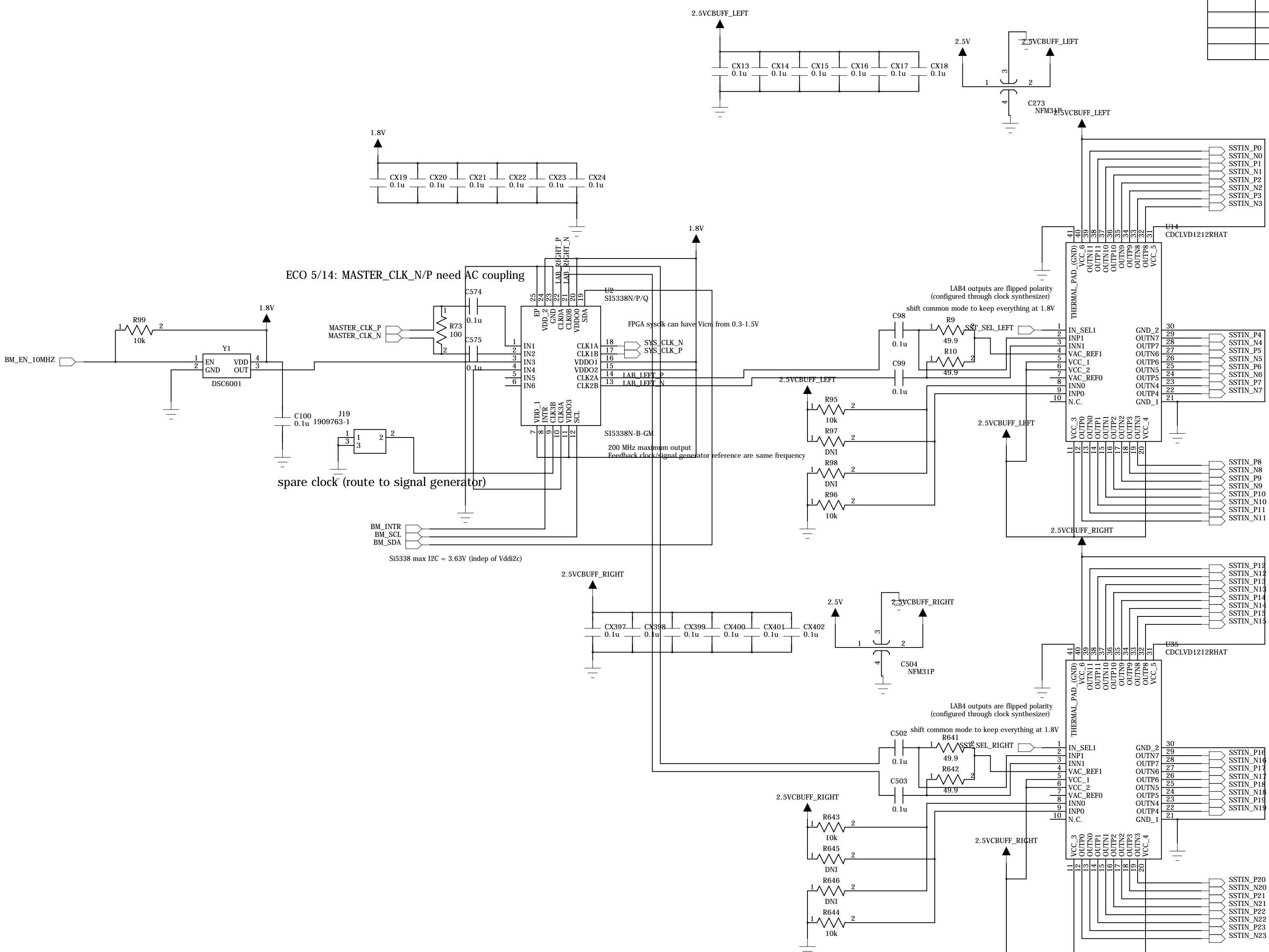
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REVISION RECORD

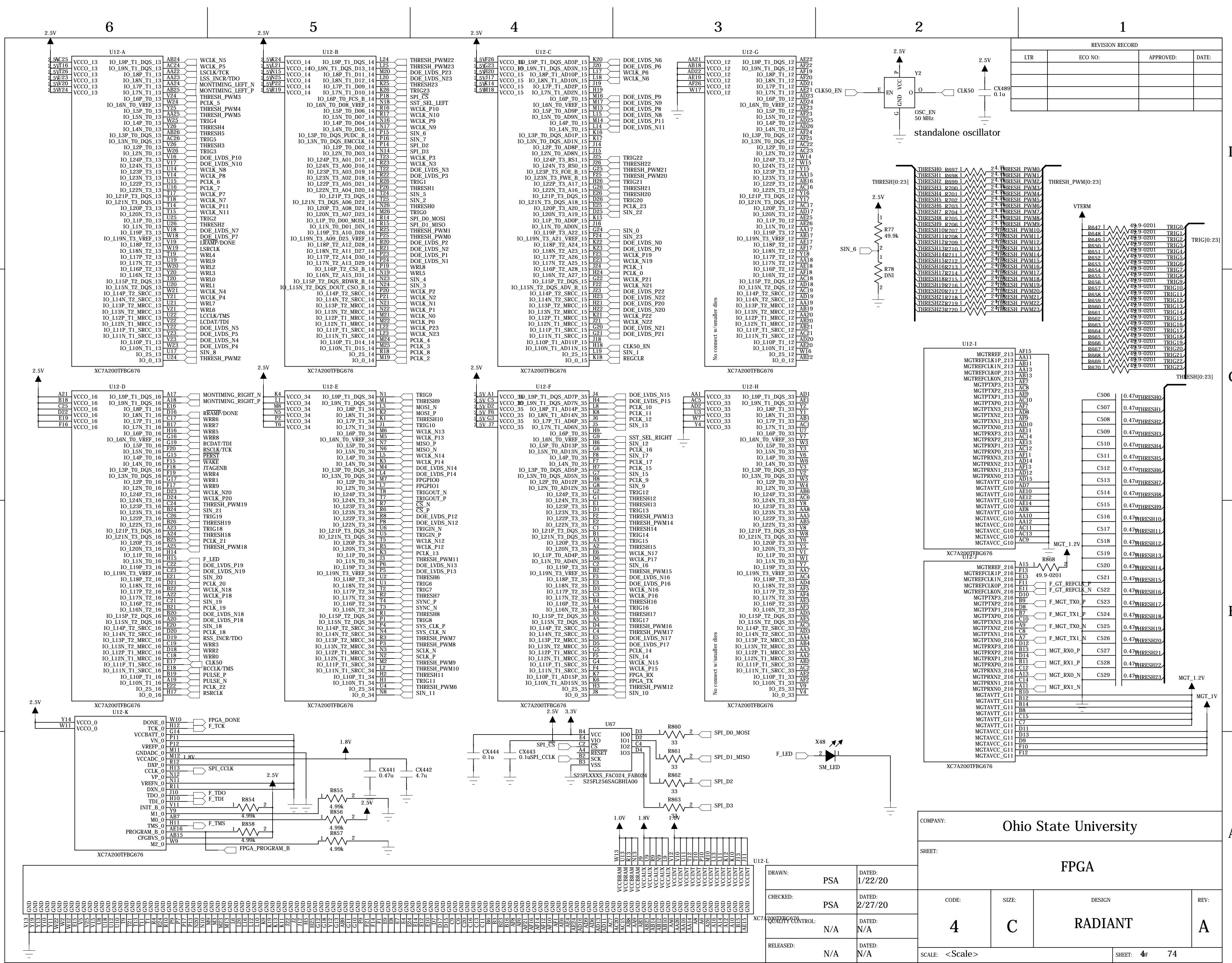
LTR	ECO NO:	APPROVED:	DATE:

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COMPANY:	Ohio State University		
SHEET:	CLOCK		
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CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
CODE:	4	SIZE:	RADIANT
REV:	A	SCALE:	<Scale>
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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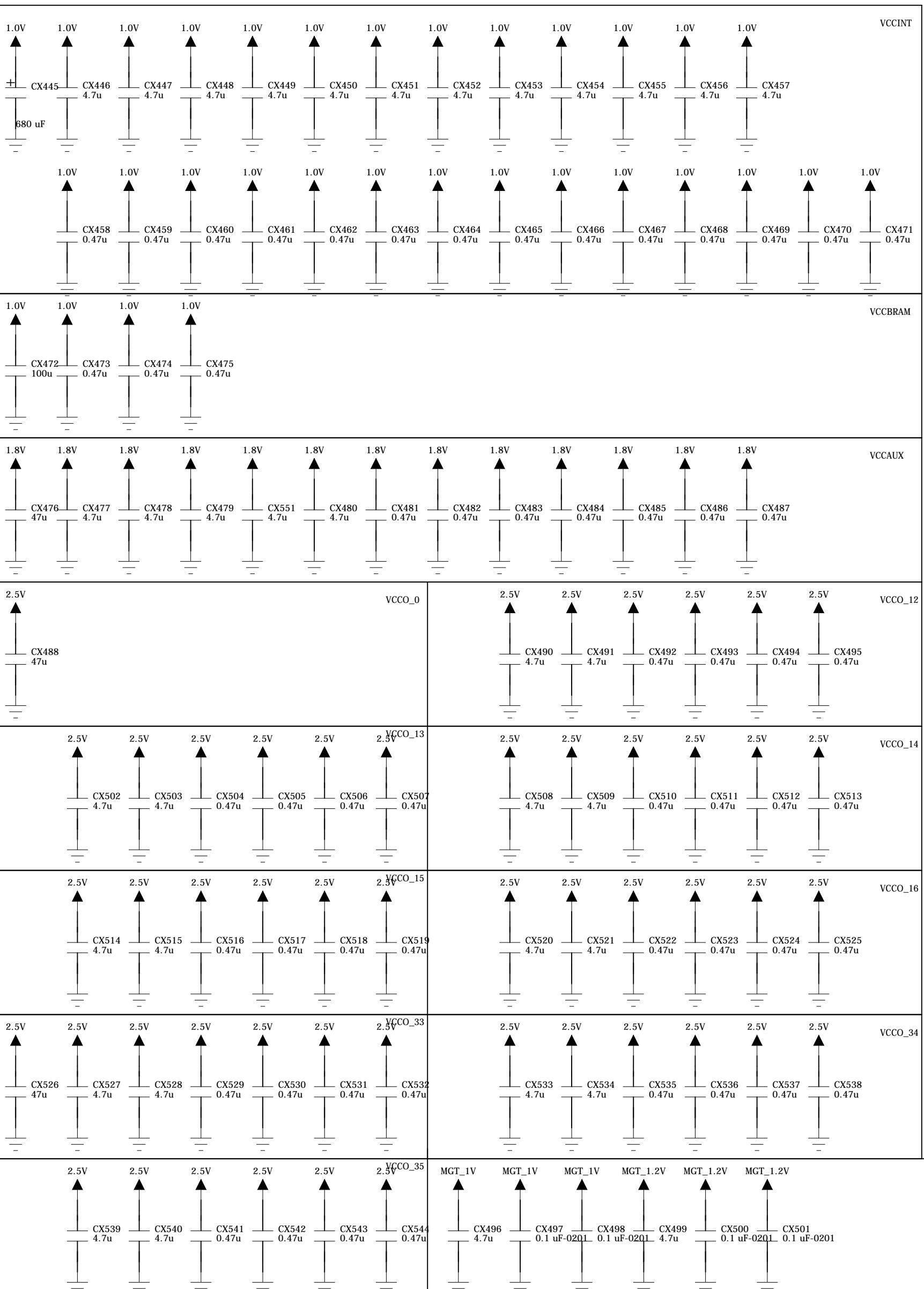
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MGTAVCC/MGTAVTT (G11)

COMPANY:	Ohio State University		
SHEET:	FPGA_DECUPLE		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
SCALE:	<Scale>		
CODE:	SIZE:	DESIGN:	REV:
4	C	RADIANT	A
SHEET: 5F		74	

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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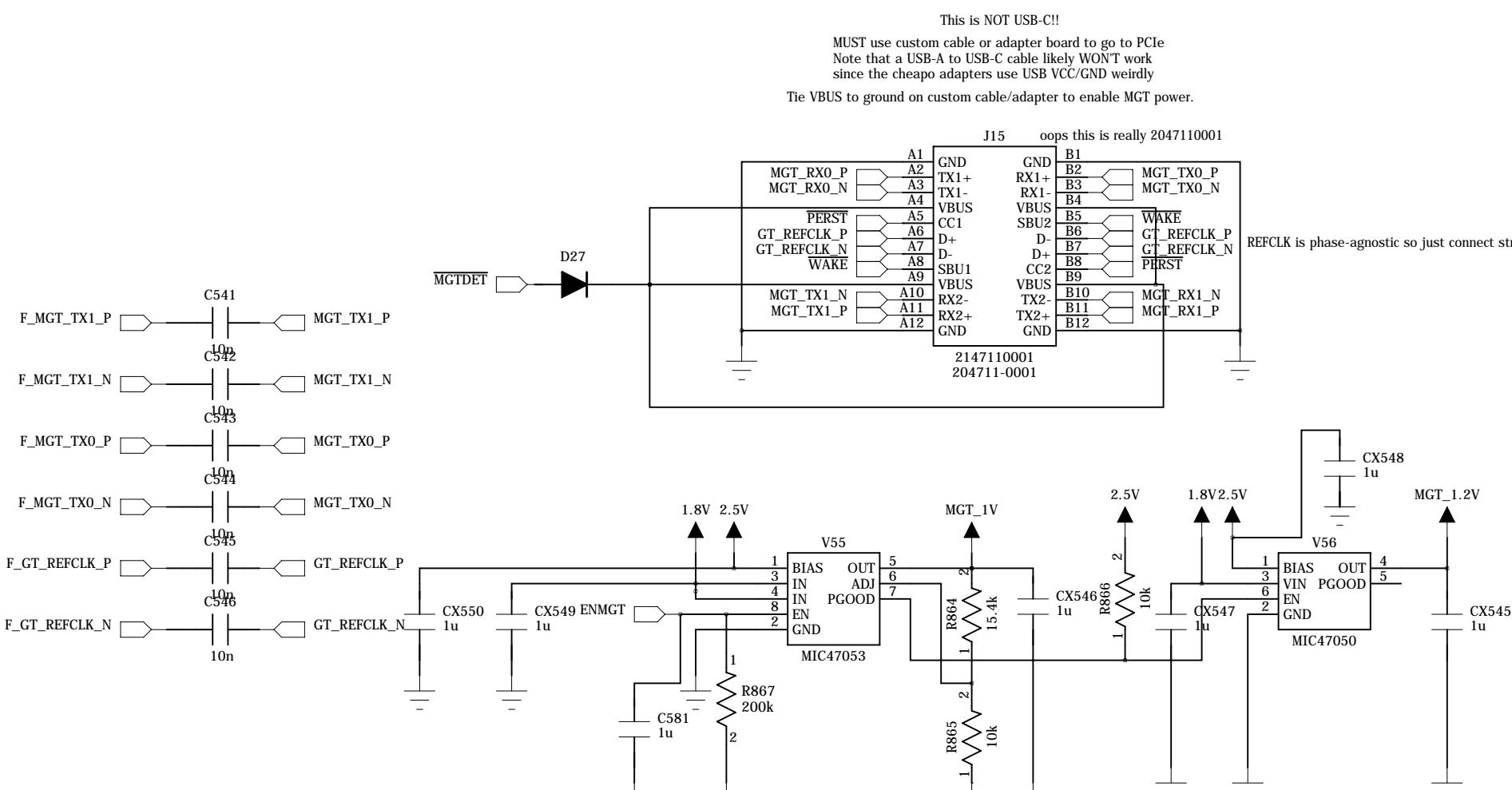
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COMPANY:	Ohio State University		
SHEET:	FPGA-PCIE		
DRAWN:	PSA	DATED: 1/22/20	
CHECKED:	PSA	DATED: 2/27/20	
QUALITY CONTROL:	N/A	DATED: N/A	
RELEASED:	N/A	DATED: N/A	
CODE:	4	SIZE: C	DESIGN: RADIANT
REV:	A		
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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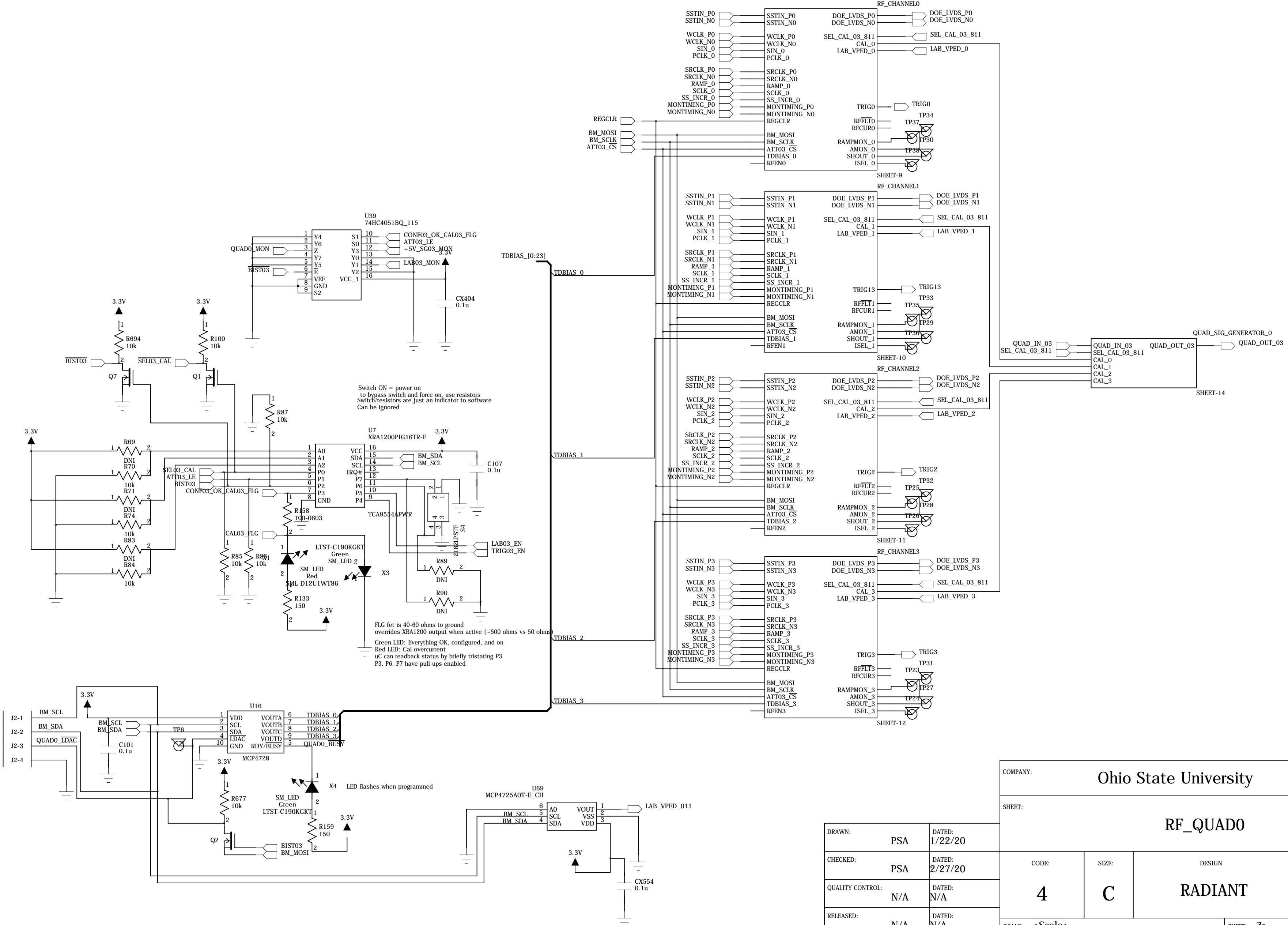
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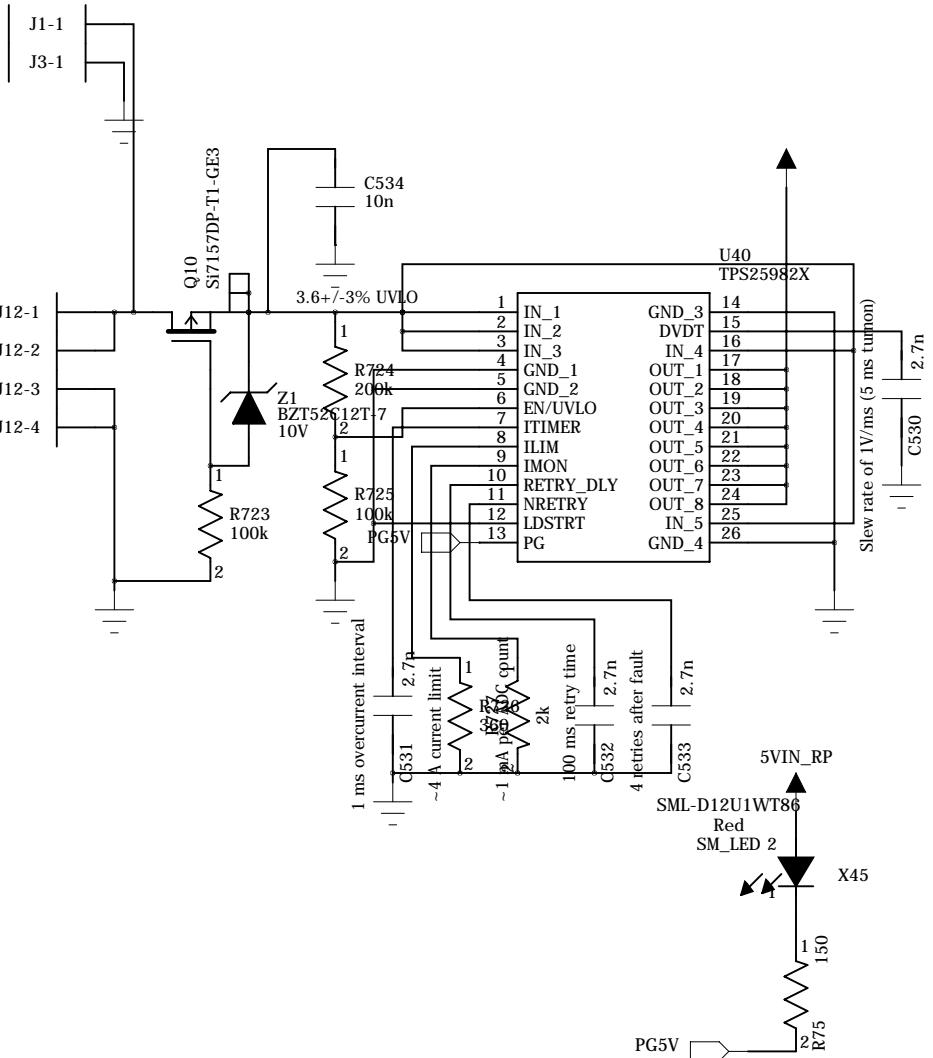
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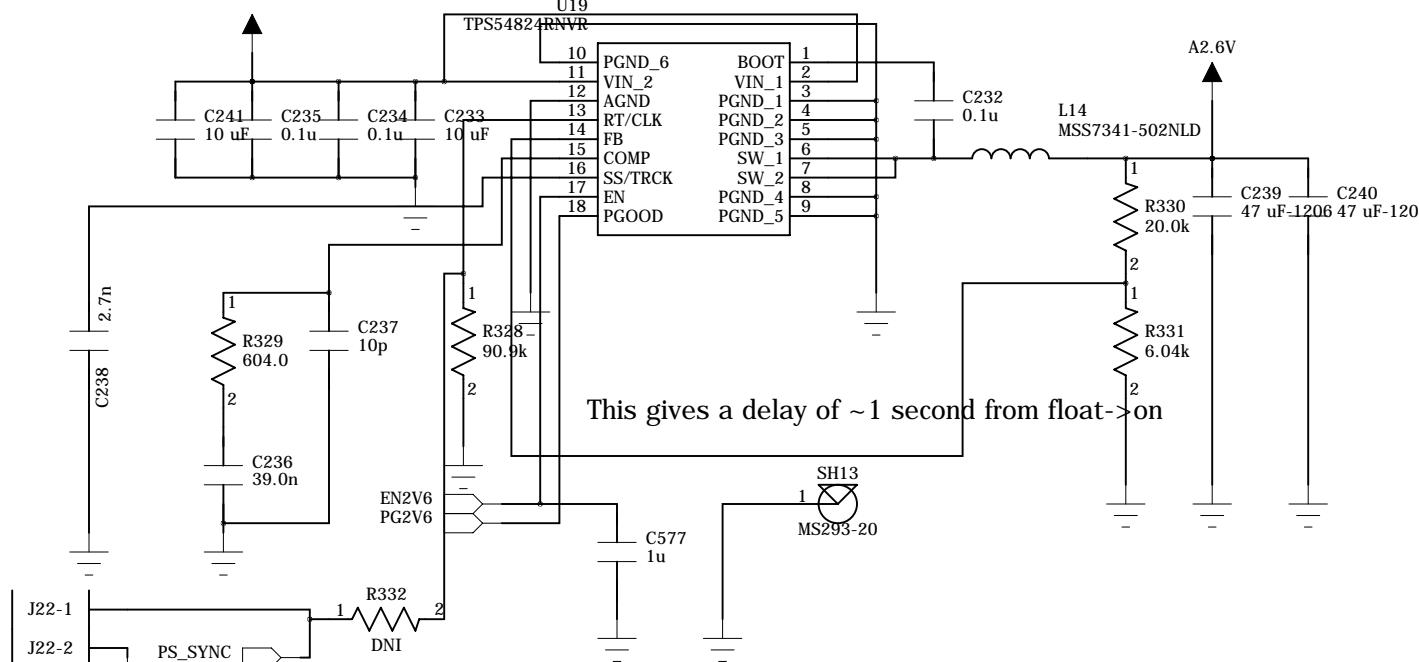


COMPANY:	Ohio State University		
SHEET:	RF_QUADO		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
SCALE:	<Scale>		
CODE:	C	SIZE:	DESIGN
REV:	A	RADIANT	
Sheet:	7F	74	

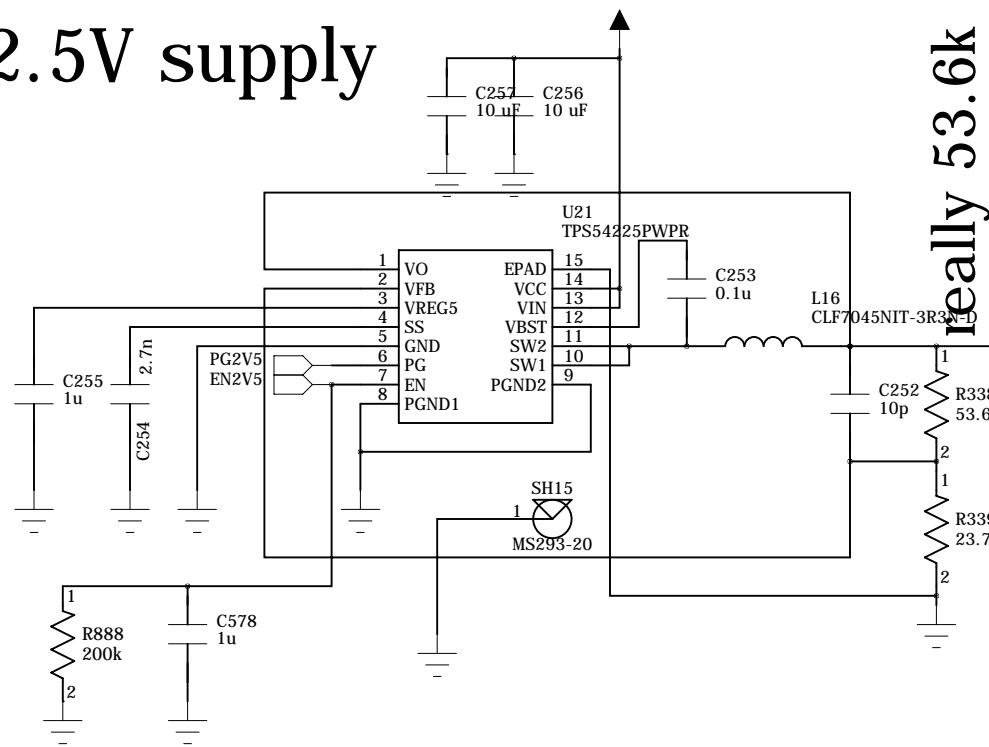
Input power protection



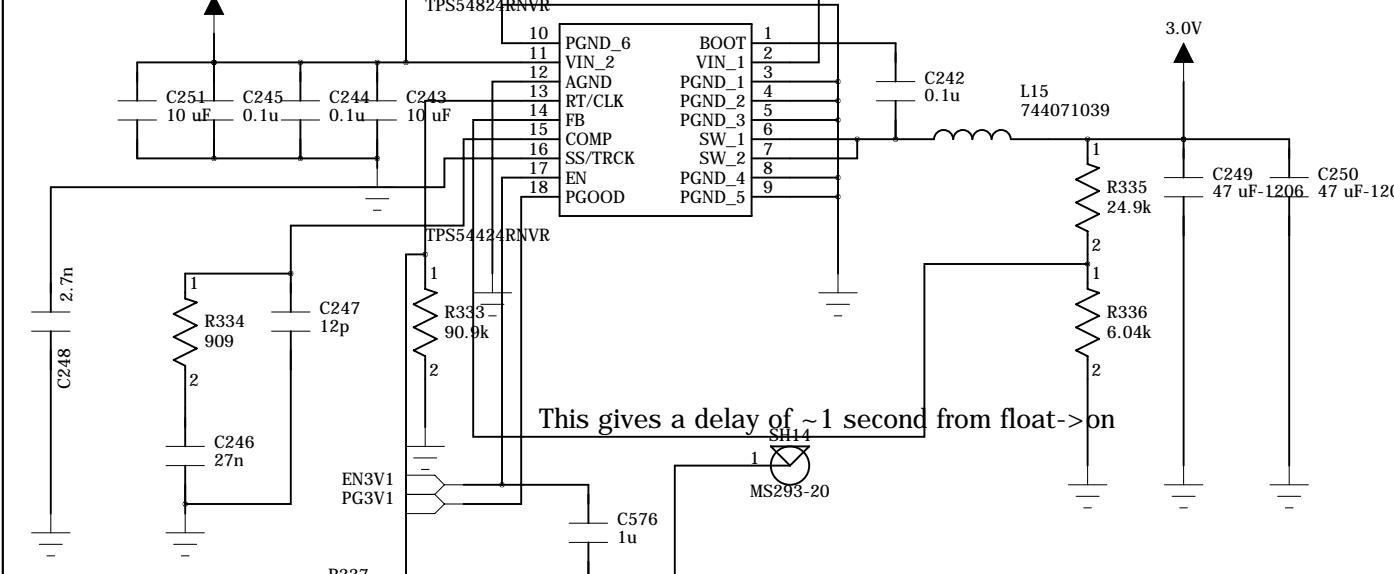
LAB4D supply (2.6V, regulated to 2.5V)



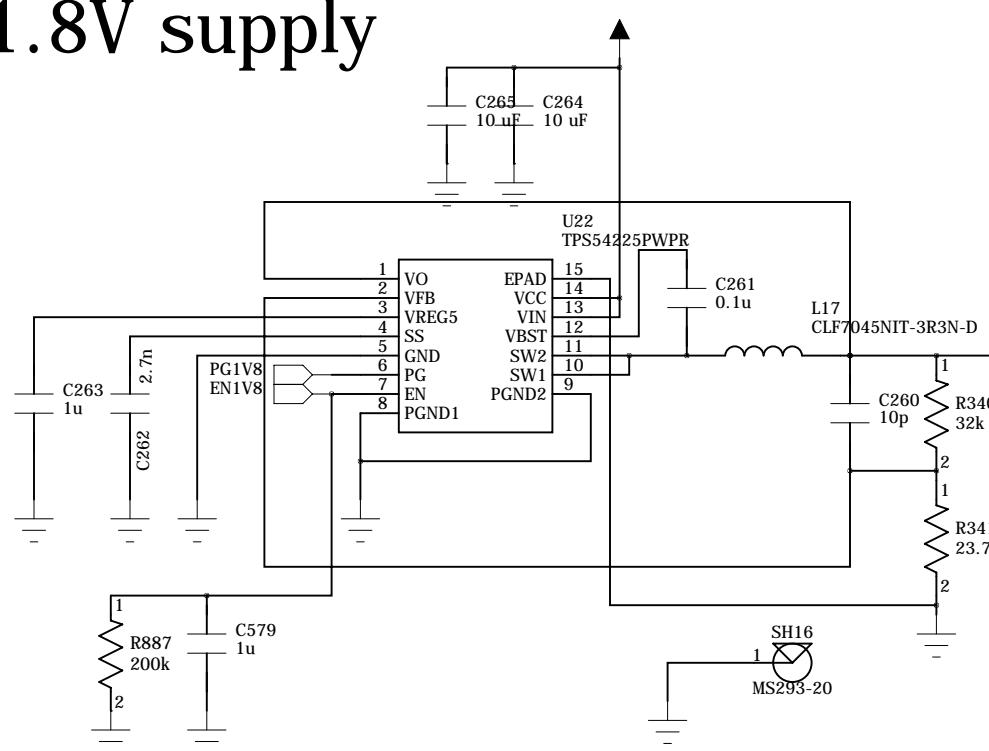
2.5V supply



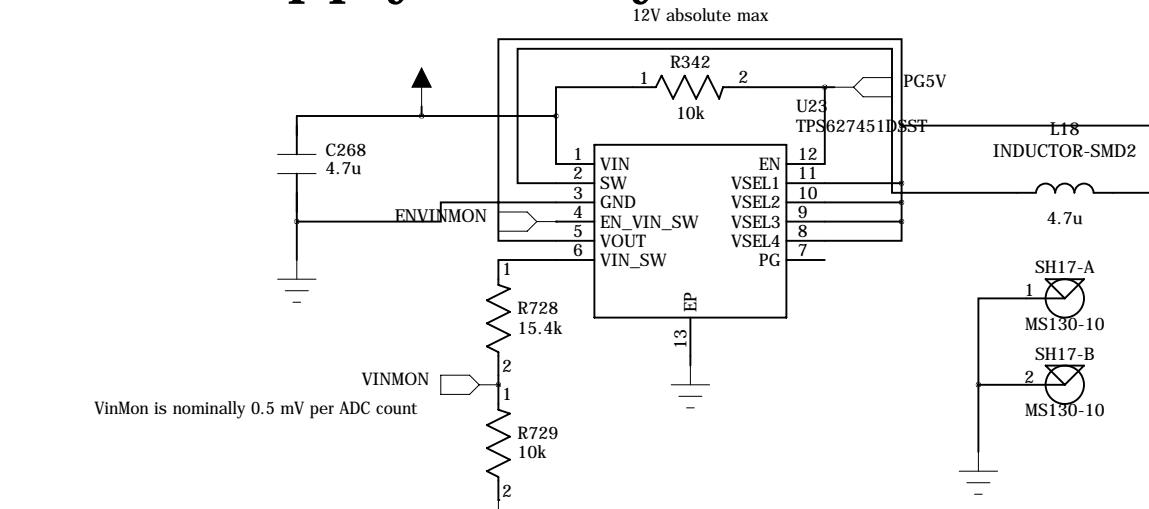
Trigger supply (3.07V, regulated to 3.0V)



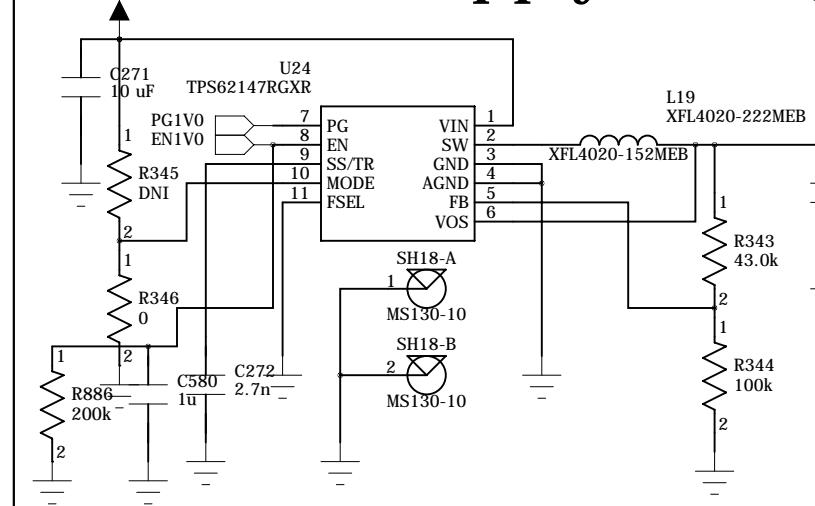
1.8V supply



3.3V supply (always on)



FPGA core supply (1.0V)



Ohio State University

POWER

PSA	1/22/2012
CHECKED:	DATED:

PSA 2/27/20

QUALITY CONTROL: DATED:
N/A N/A

RELEASED: N/A DATED: N/A

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	SIZE: C	DESIGN RADIANT
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SHEET: 8F 74

REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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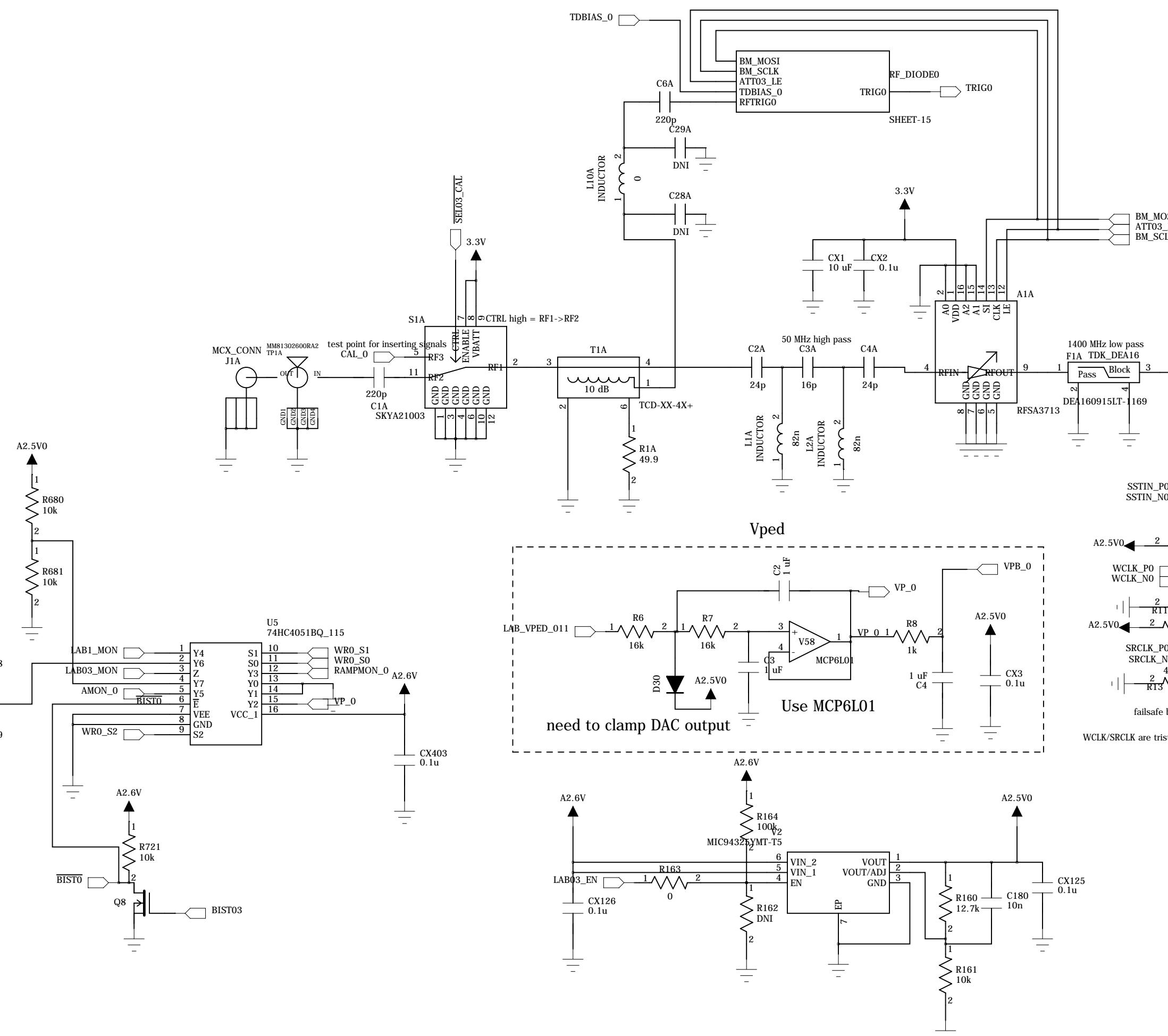
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DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A

SCALE: <Scale> SHEET: 9F 74

Ohio State University

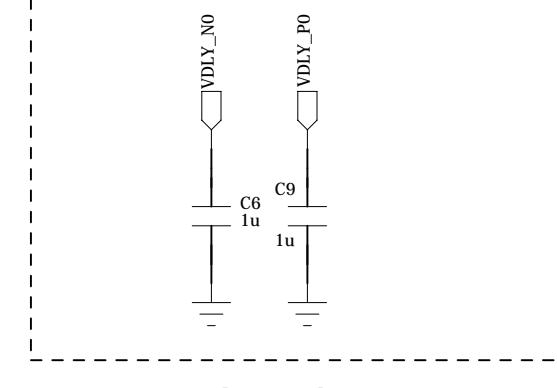
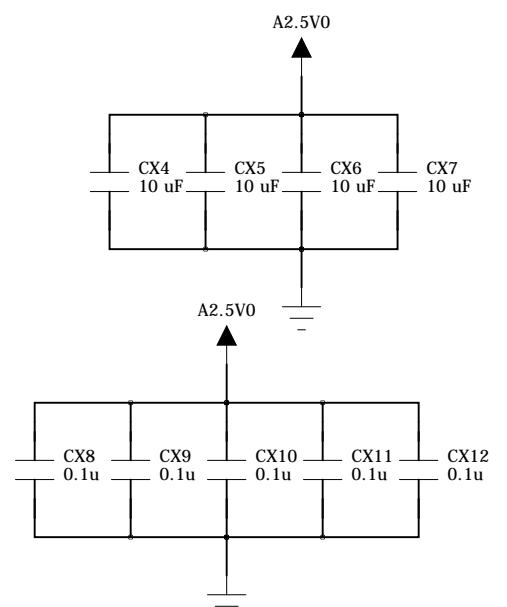
RF_CHANNEL0

RADIANT

CODE: 4 SIZE: C REV: A

COMPANY: Ohio State University

SHEET: 9F 74



Do not install

Do not install

DOE_LVDS_P

DOE_LVDS_N

AMON_0

SS_INCR_0

BIST03

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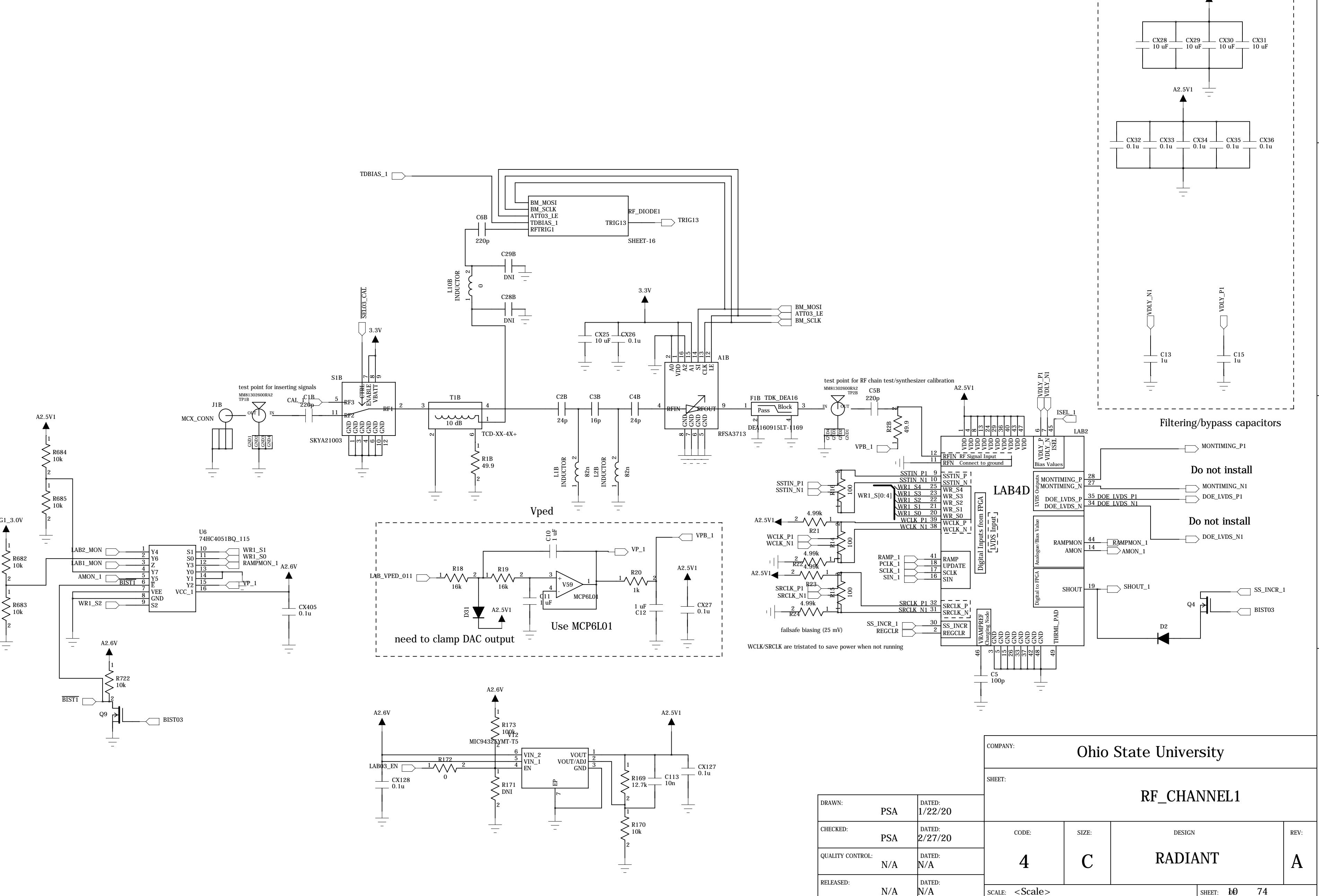
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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:
	Filtering/bypass capacitors		



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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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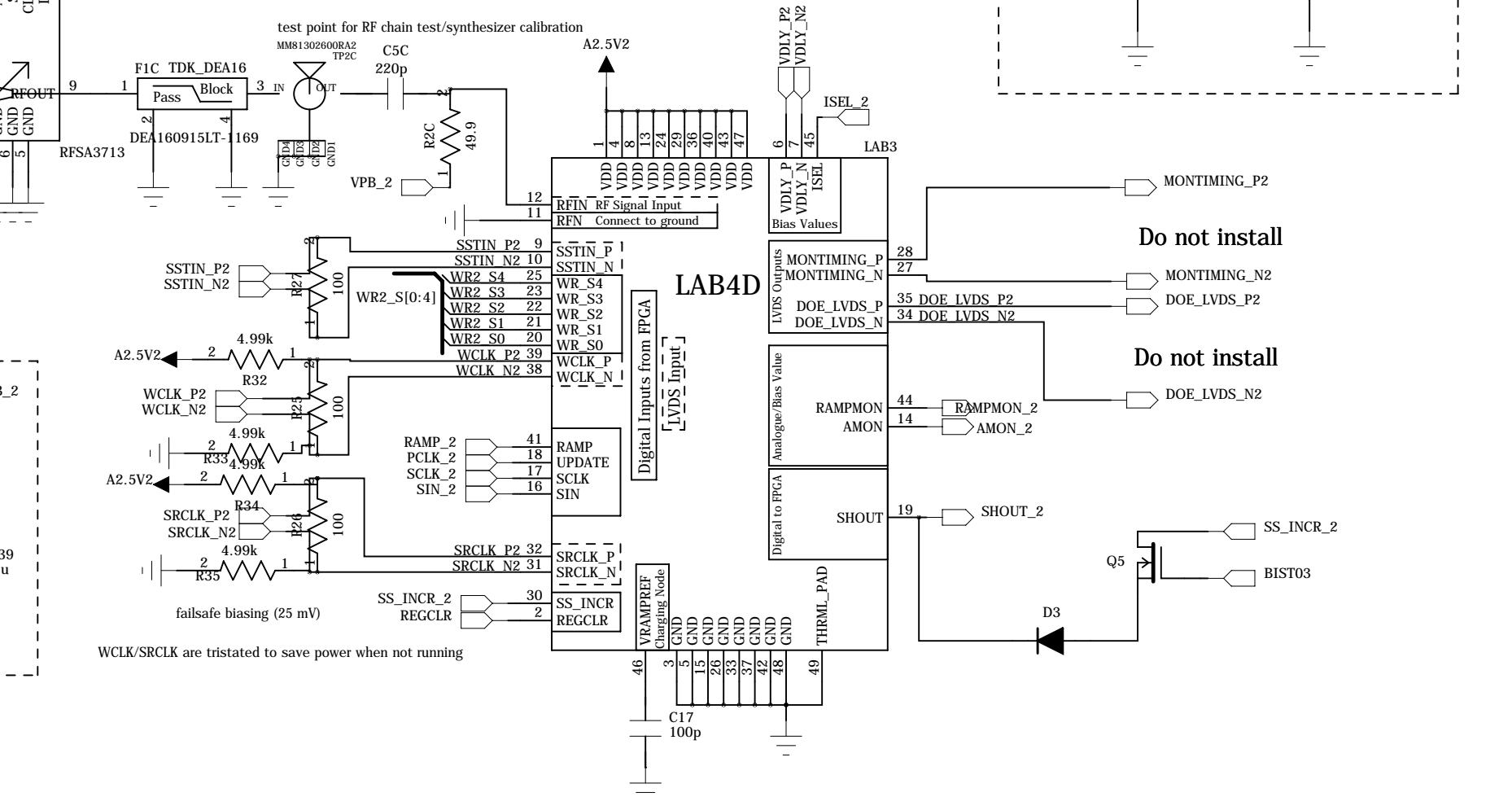
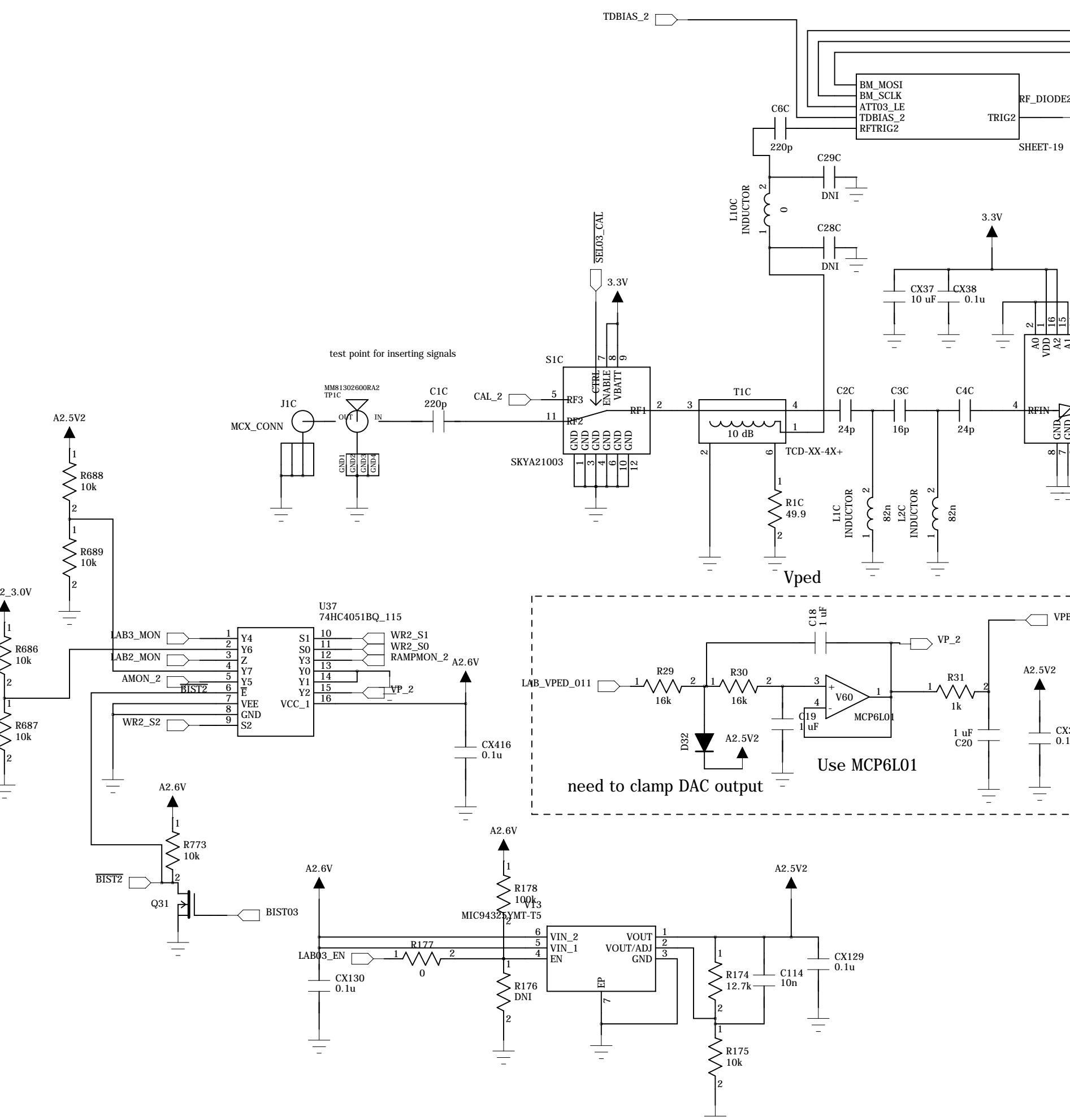
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COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL2		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
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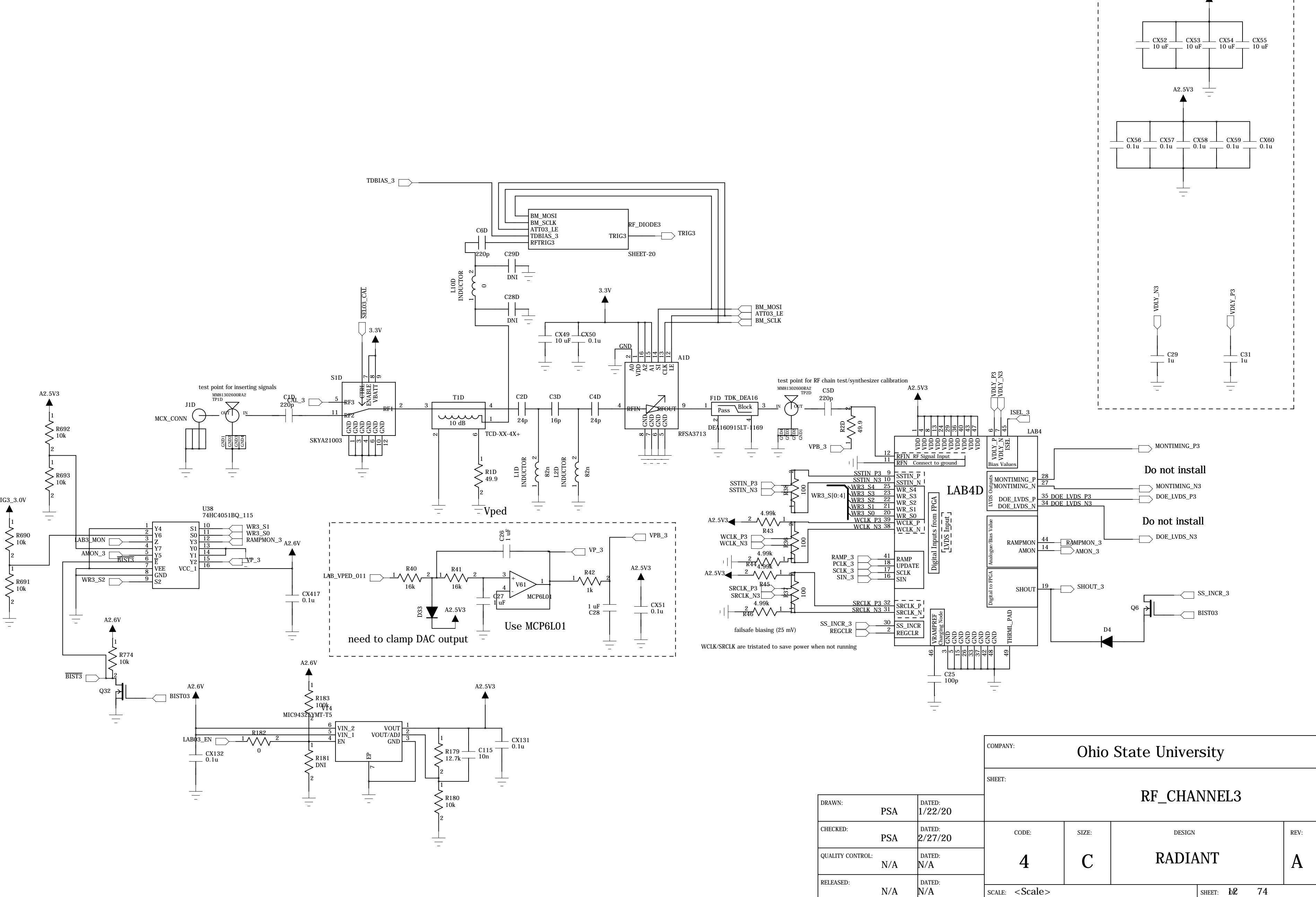
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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:
Filtering/bypass capacitors			



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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

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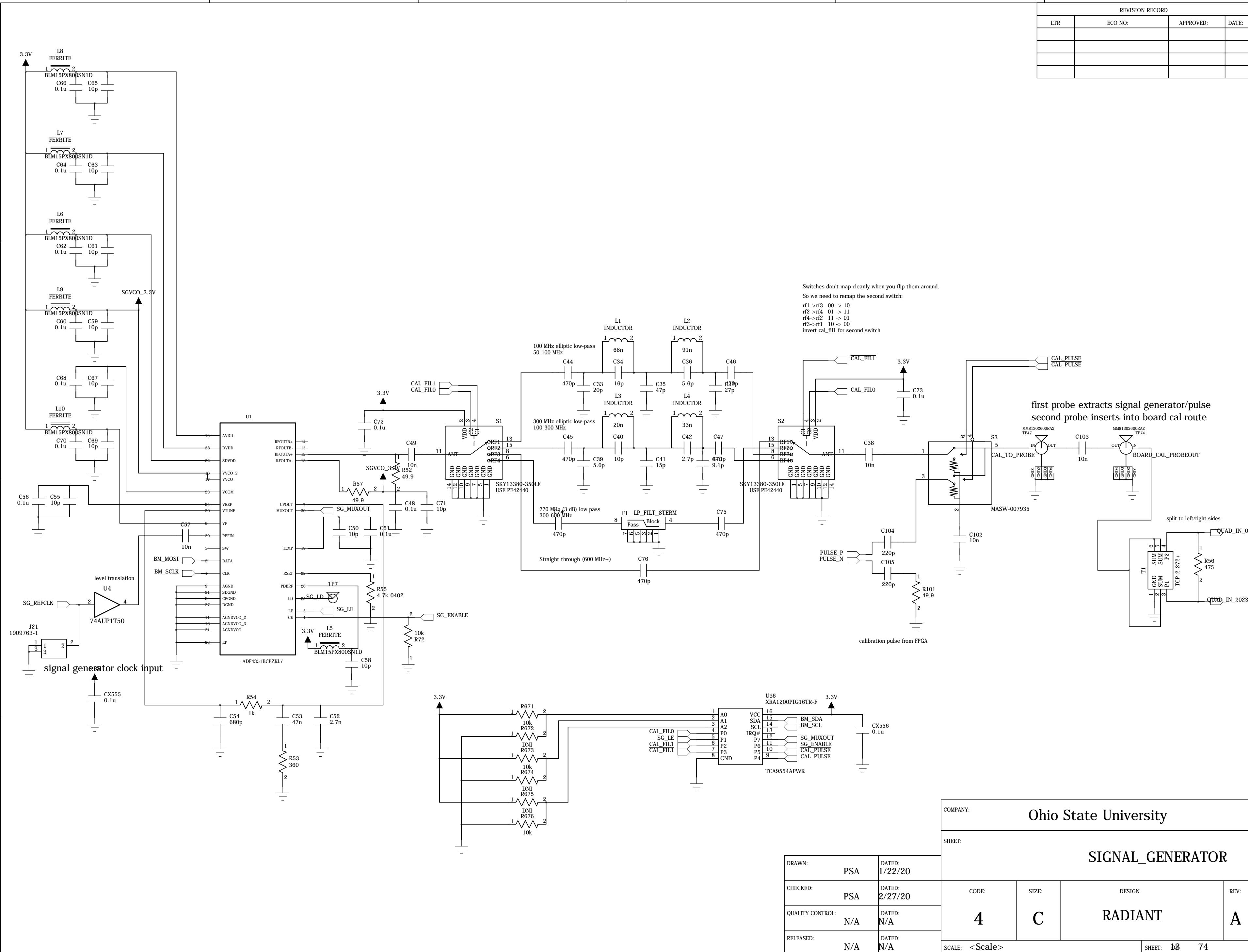
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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

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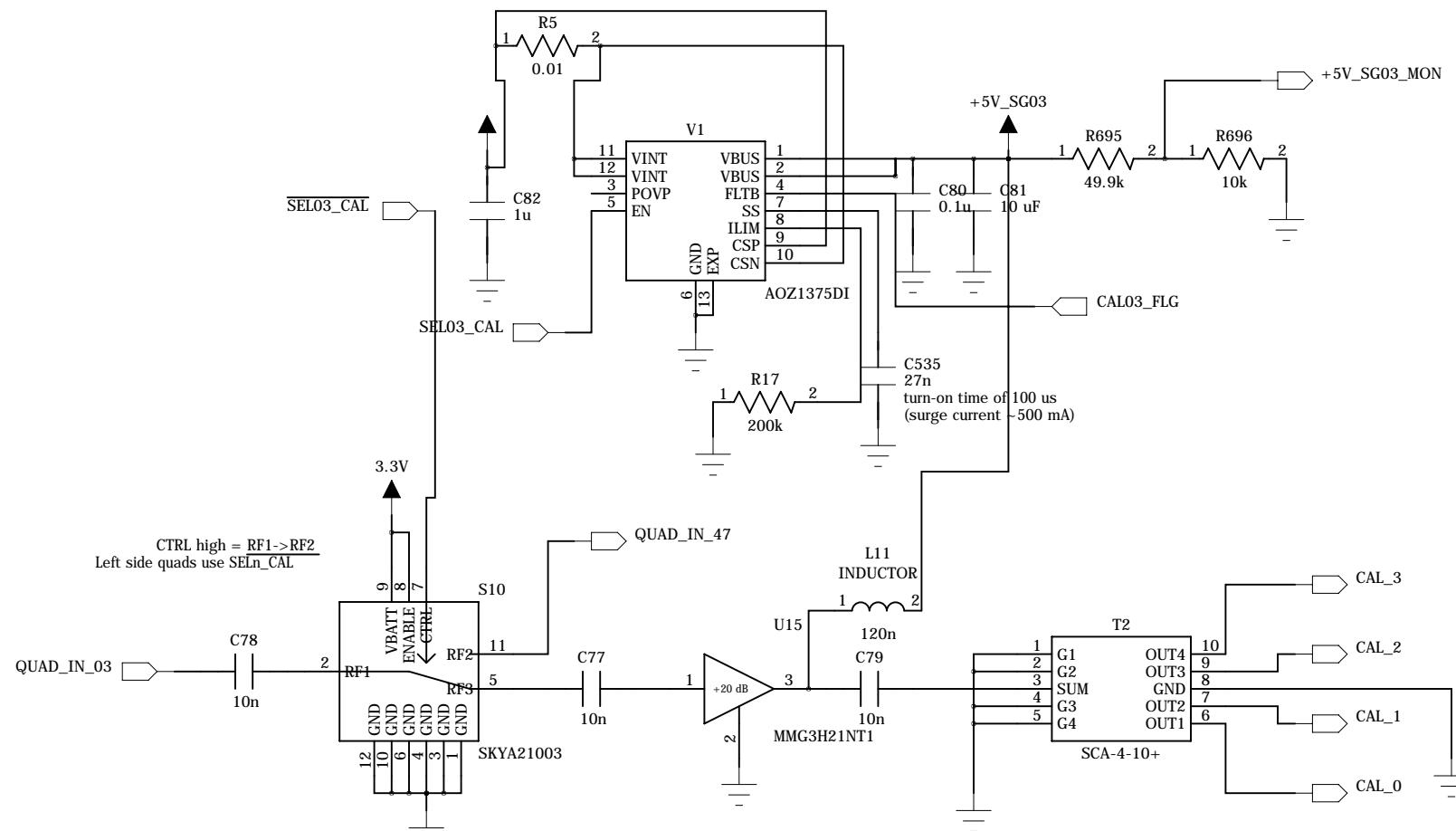
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COMPANY:	Ohio State University		
SHEET:	QUAD_SIG_GENERATOR		
DRAWN:	PSA	DATED: 1/22/20	
CHECKED:	PSA	DATED: 2/27/20	
QUALITY CONTROL:	N/A	DATED: N/A	
RELEASED:	N/A	DATED: N/A	
CODE:	C	SIZE:	DESIGN
	4		RADIANT
REV:			A
SCALE:	<Scale>		Sheet: b4 74

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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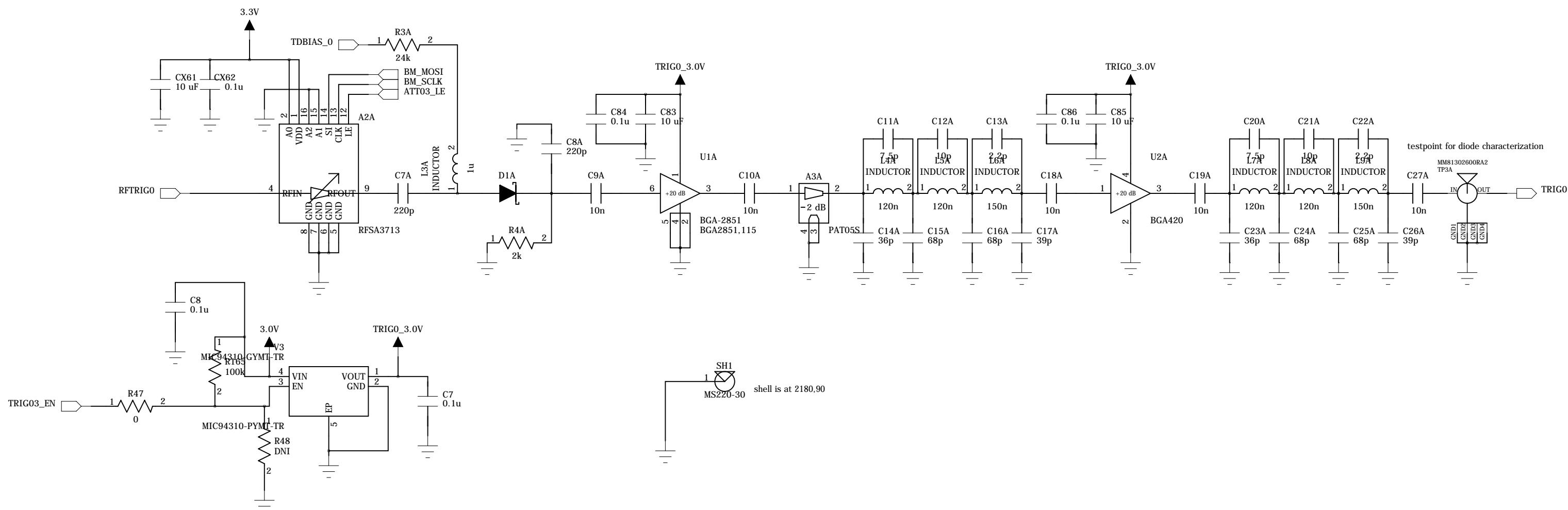
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COMPANY:	Ohio State University		
SHEET:	RF_DIODE0		
DRAWN:	PSA	DATED: 1/22/20	
CHECKED:	PSA	DATED: 2/27/20	
QUALITY CONTROL:	N/A	DATED: N/A	
RELEASED:	N/A	DATED: N/A	
CODE:	SIZE:	DESIGN:	REV:
4	C	RADIANT	A
SCALE: <Scale>		Sheet: b5	74

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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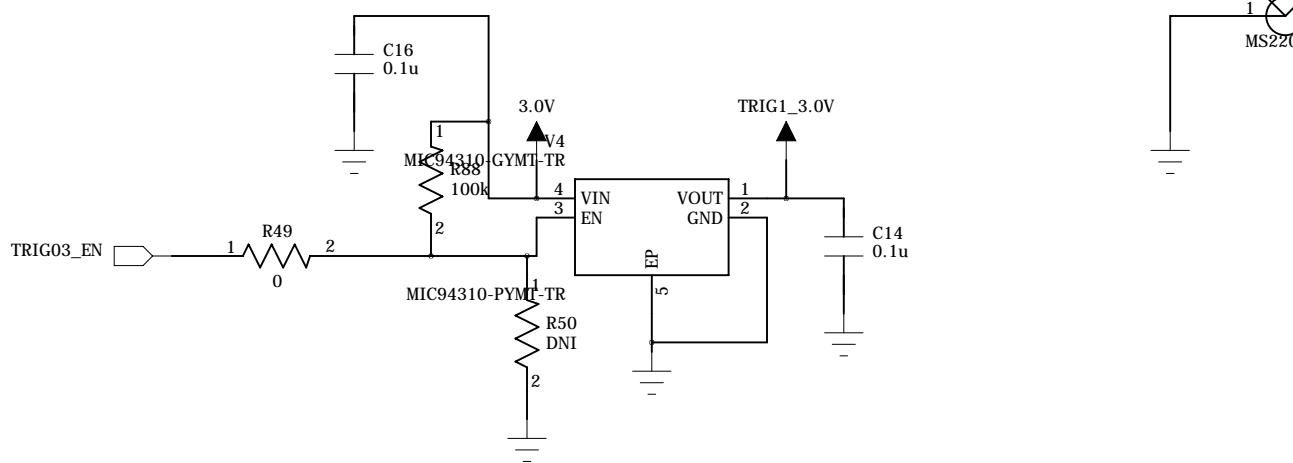
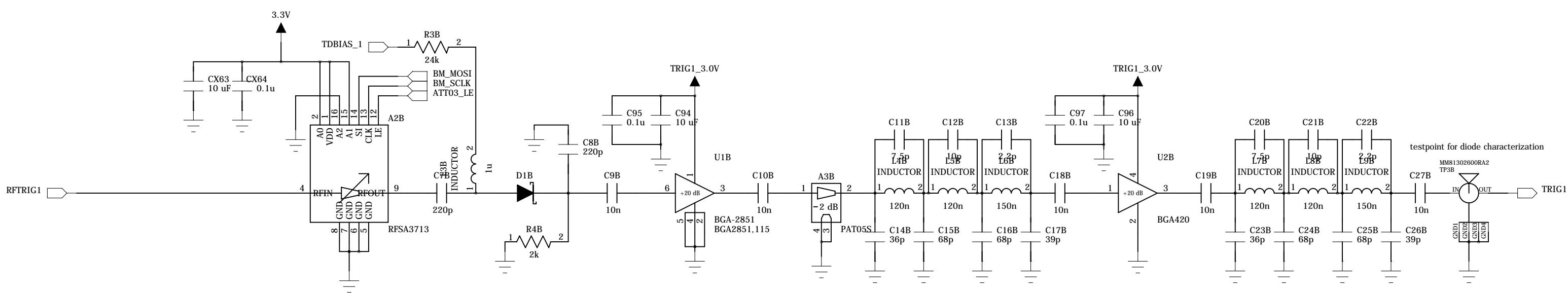
C

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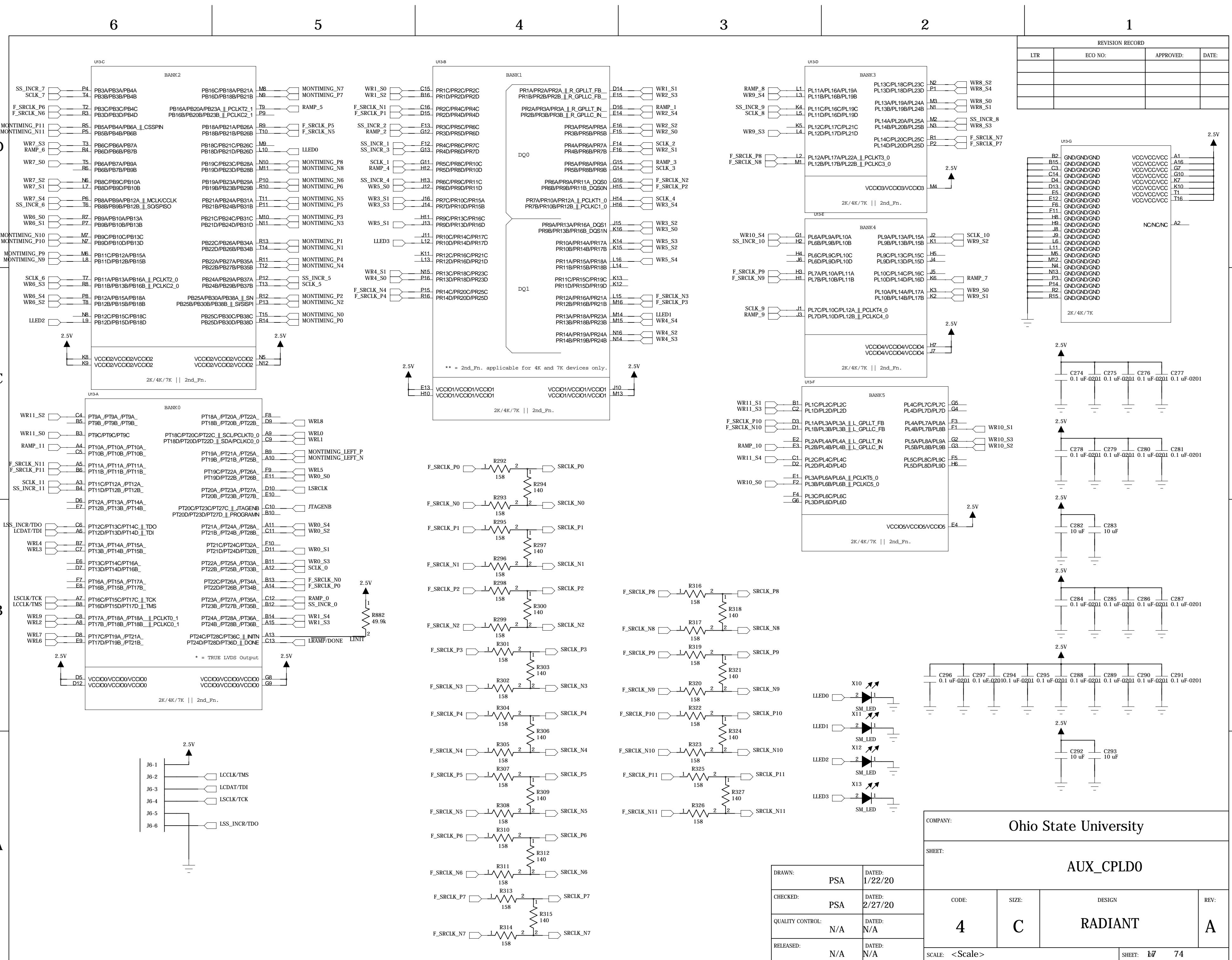
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COMPANY:	Ohio State University		
SHEET:	RF_DIODE1		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
CODE:	4	SIZE:	RADIANT
REV:	A	SCALE:	<Scale>
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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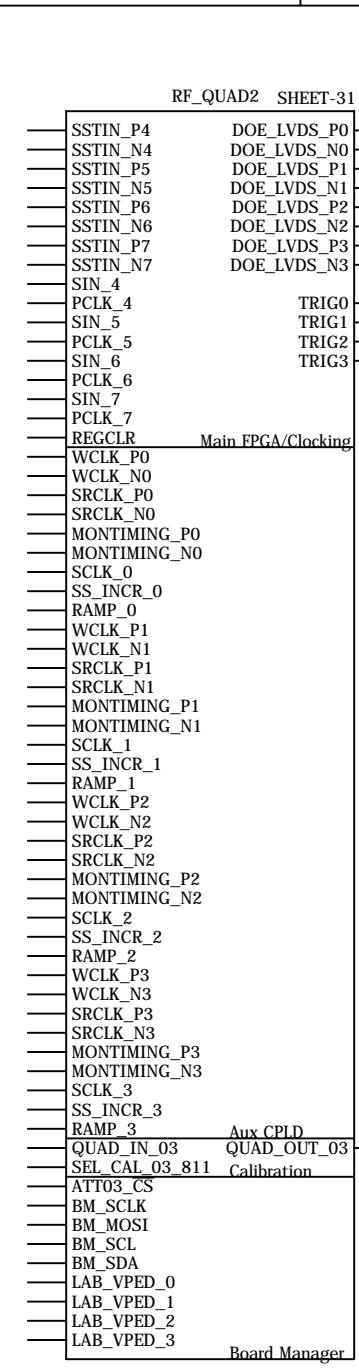
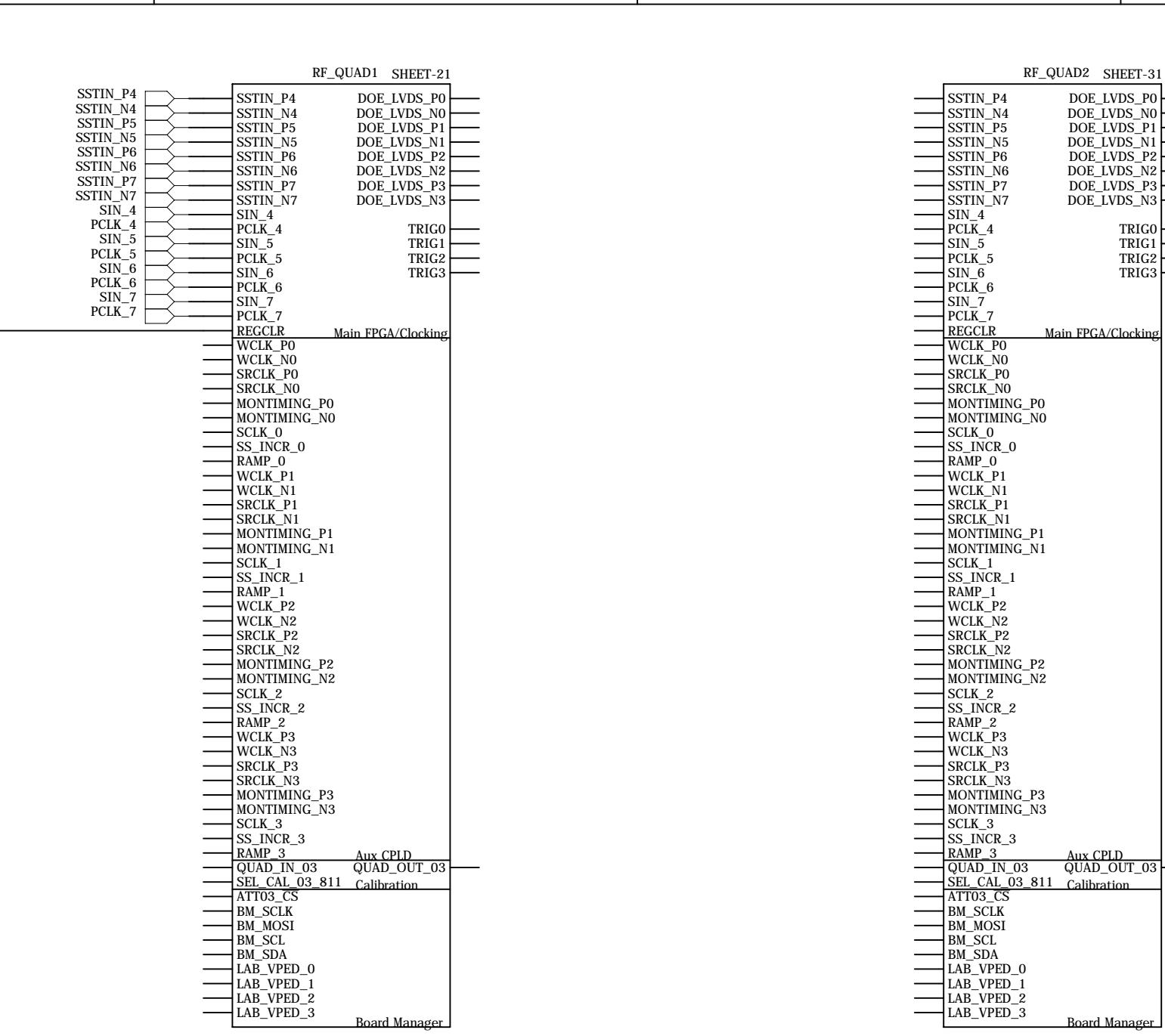
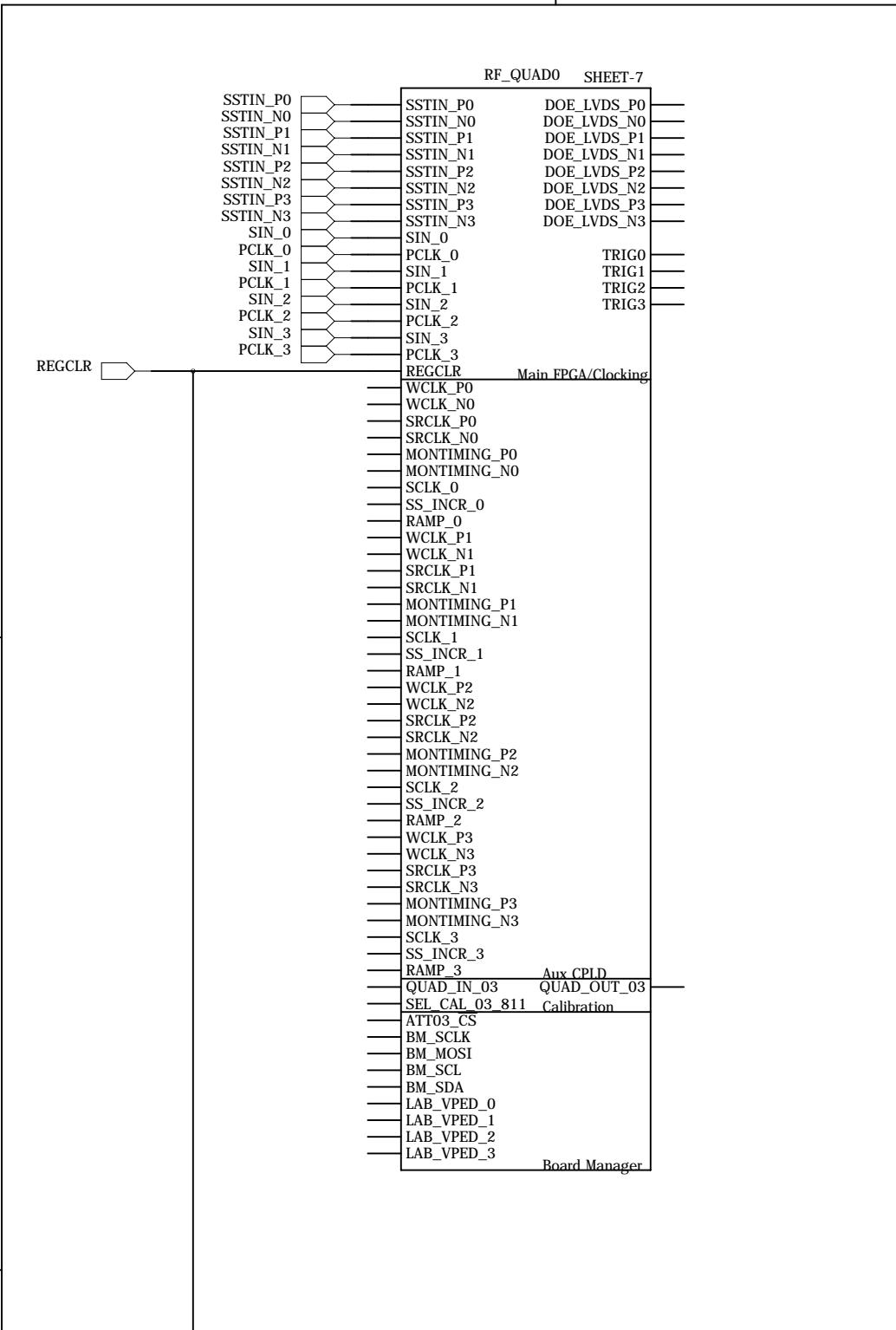
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COMPANY:	Ohio State University		
SHEET:	RF_LEFT		
DRAWN:	PSA	DATED: 1/22/20	CODE: 4 SIZE: C DESIGN: RADIANT REV: A
CHECKED:	PSA	DATED: 2/27/20	
QUALITY CONTROL:	N/A	DATED: N/A	
RELEASED:	N/A	DATED: N/A	
SCALE: <Scale>	SHEET: b8 74		

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REVISION RECORD

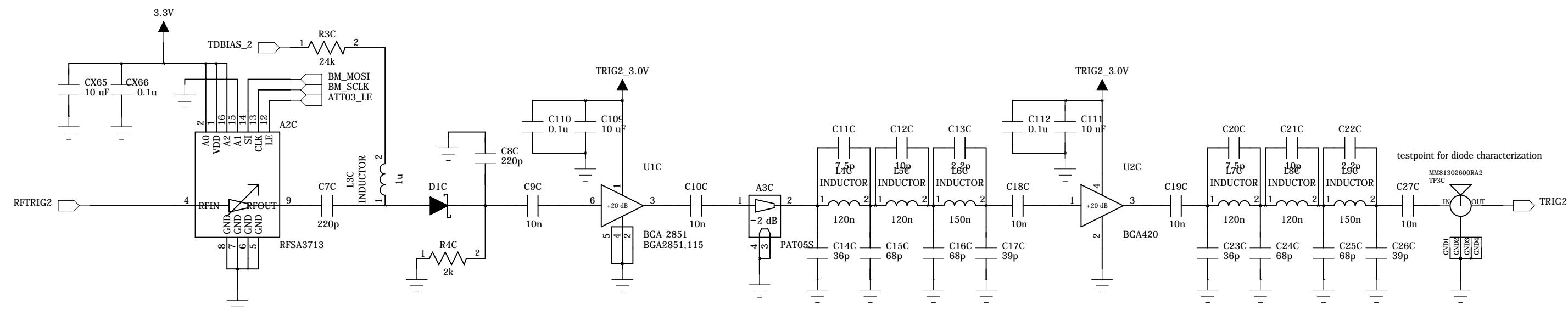
LTR	ECO NO:	APPROVED:	DATE:

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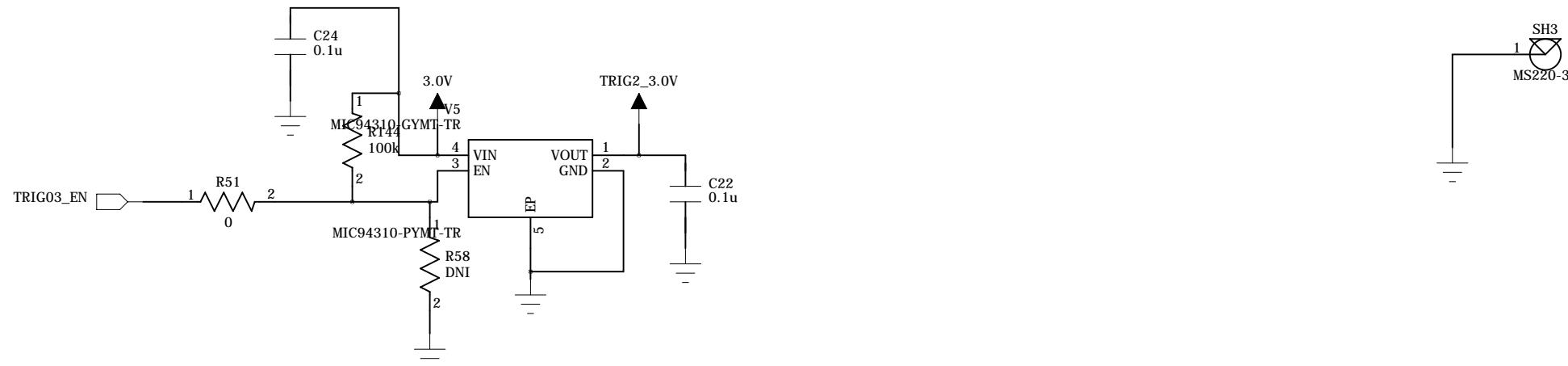
C

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COMPANY:	Ohio State University		
SHEET:	RF_DIODE2		
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CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
CODE:	C	SIZE:	DESIGN
	4		RADIANT
REV:			A
SCALE:	<Scale>		Sheet: 10 74

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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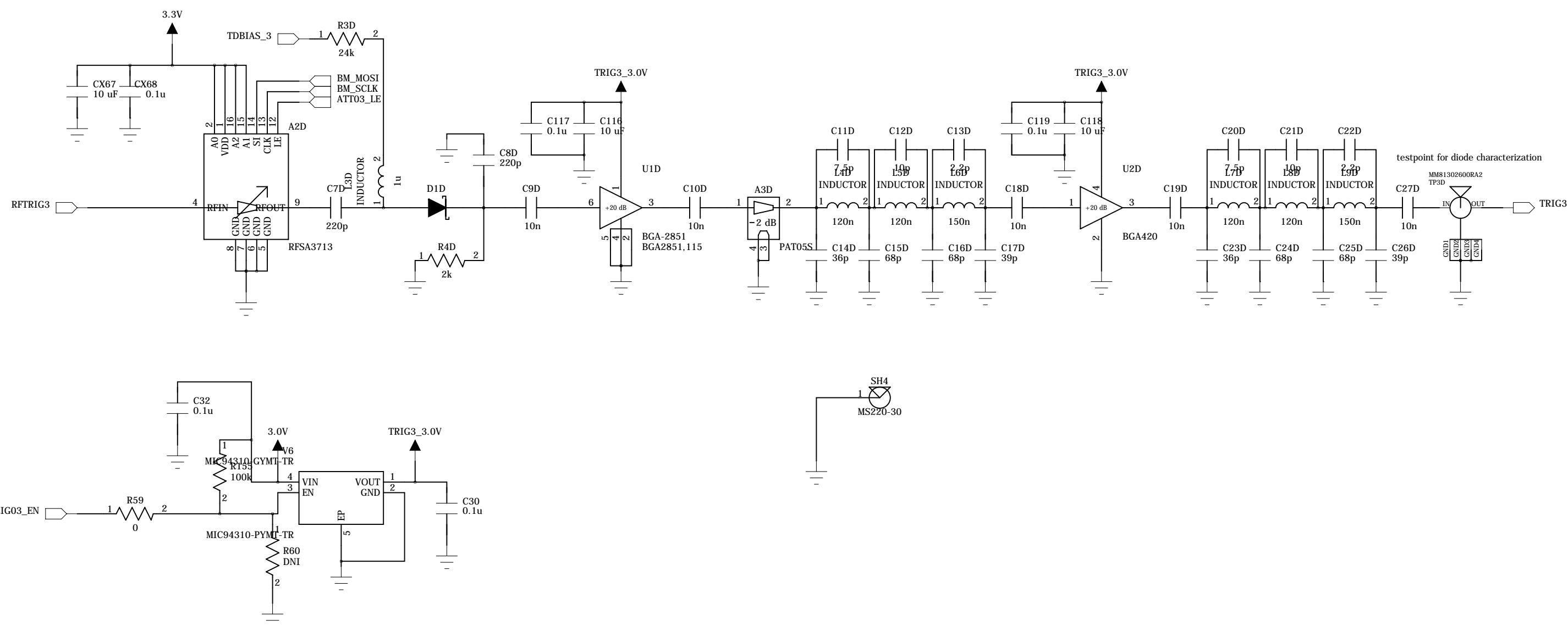
C

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COMPANY:	Ohio State University		
SHEET:	RF_DIODE3		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
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CODE:	4	SIZE:	RADIANT
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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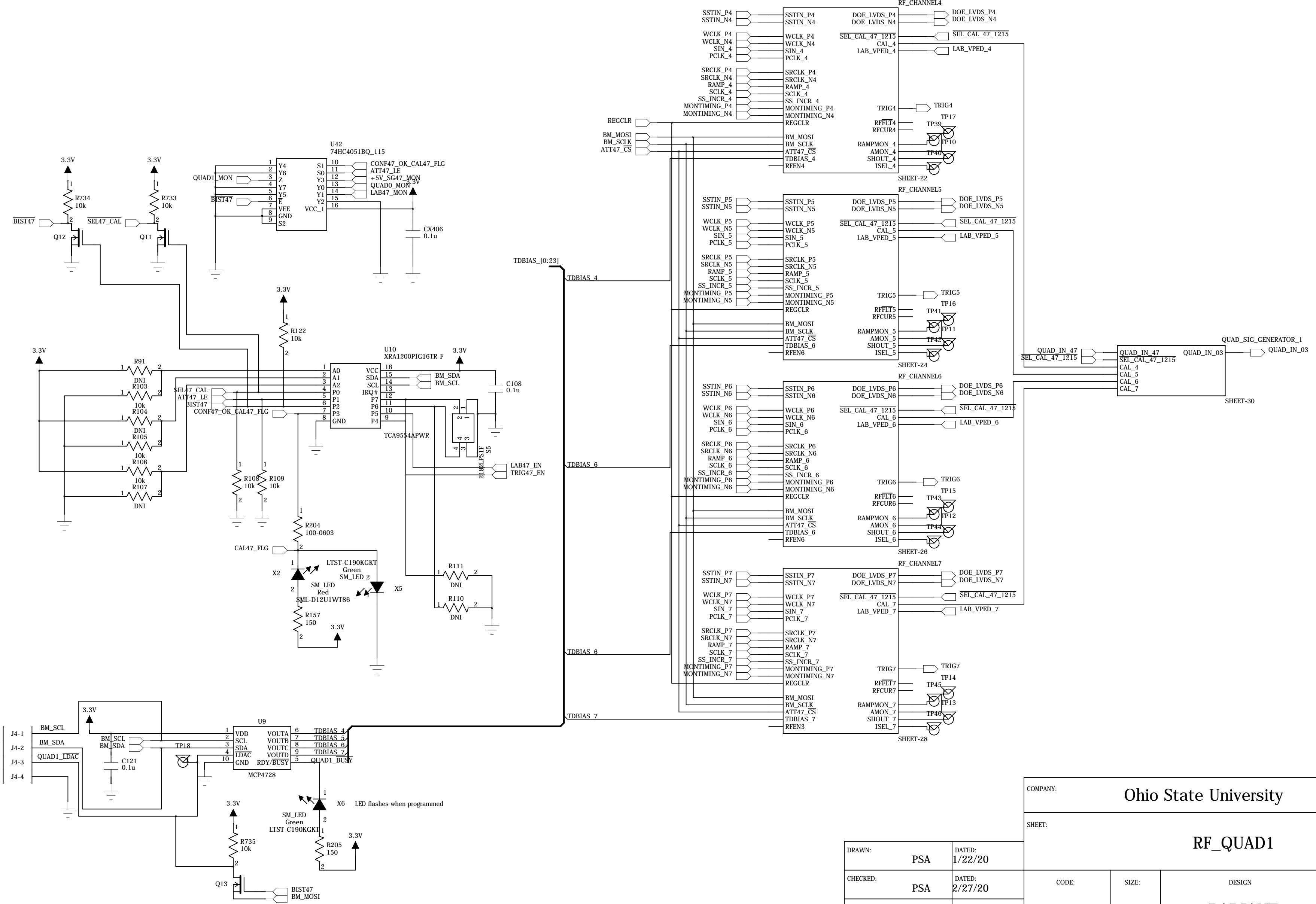
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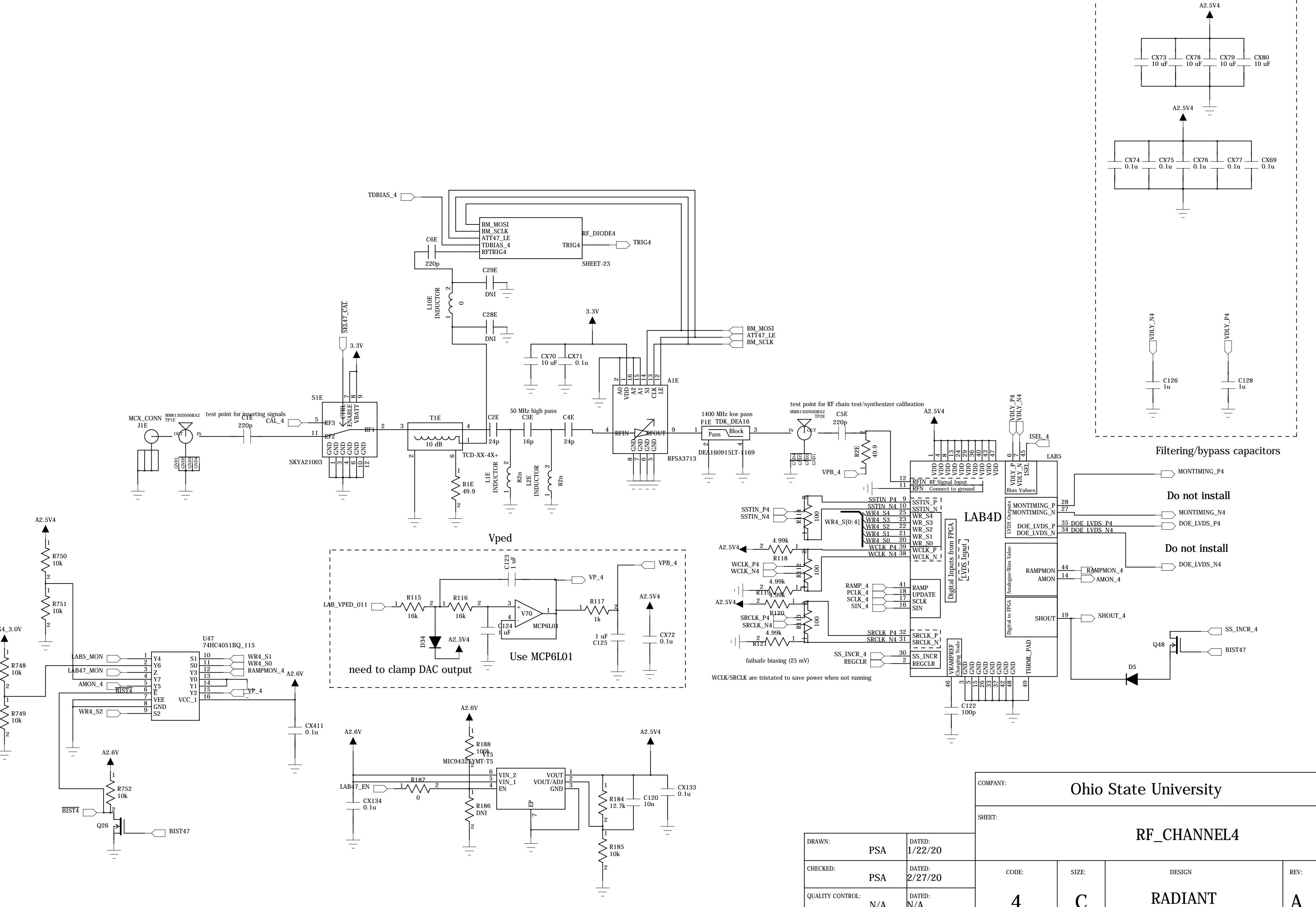


COMPANY:	Ohio State University		
SHEET:	RF_QUAD1		
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CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
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CODE:	SIZE:	DESIGN	REV:
4	C	RADIANT	A
Sheet: 21	74		

REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors



Ohio State University

RF_CHANNEL4

COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL4		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
SCALE:	<Scale>	SHEET:	28 74

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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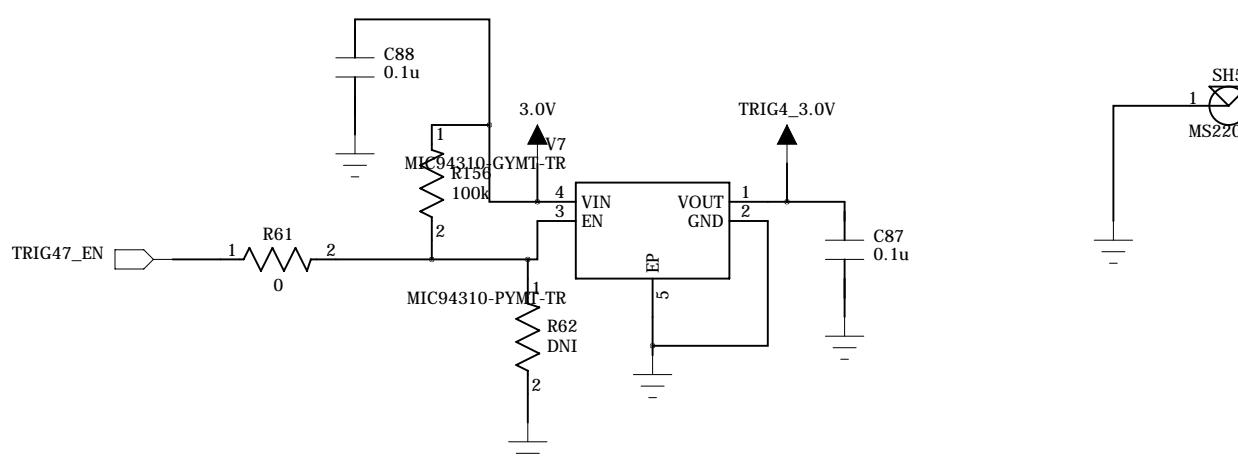
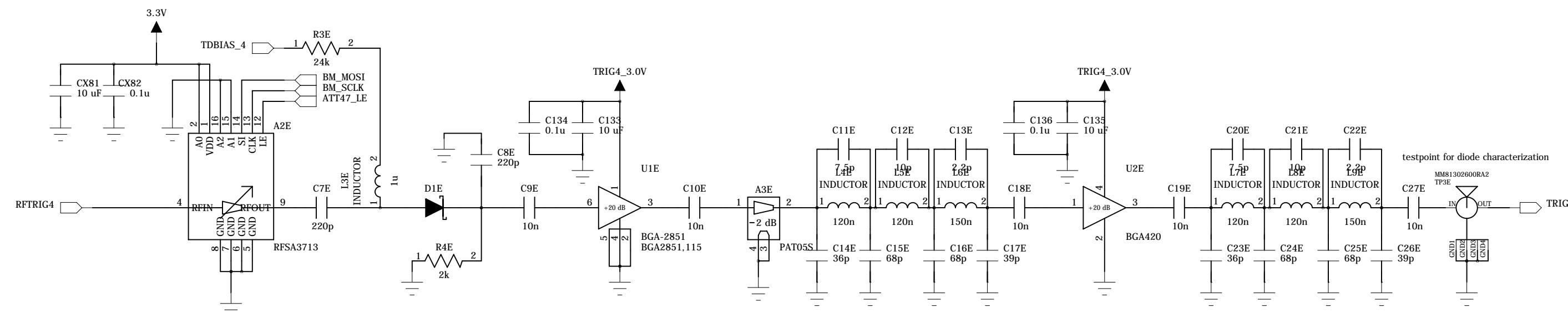
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COMPANY:	Ohio State University		
SHEET:	RF_DIODE4		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
CODE:	4	SIZE:	RADIANT
REV:	A		
SCALE:	<Scale>		Sheet: 28 74

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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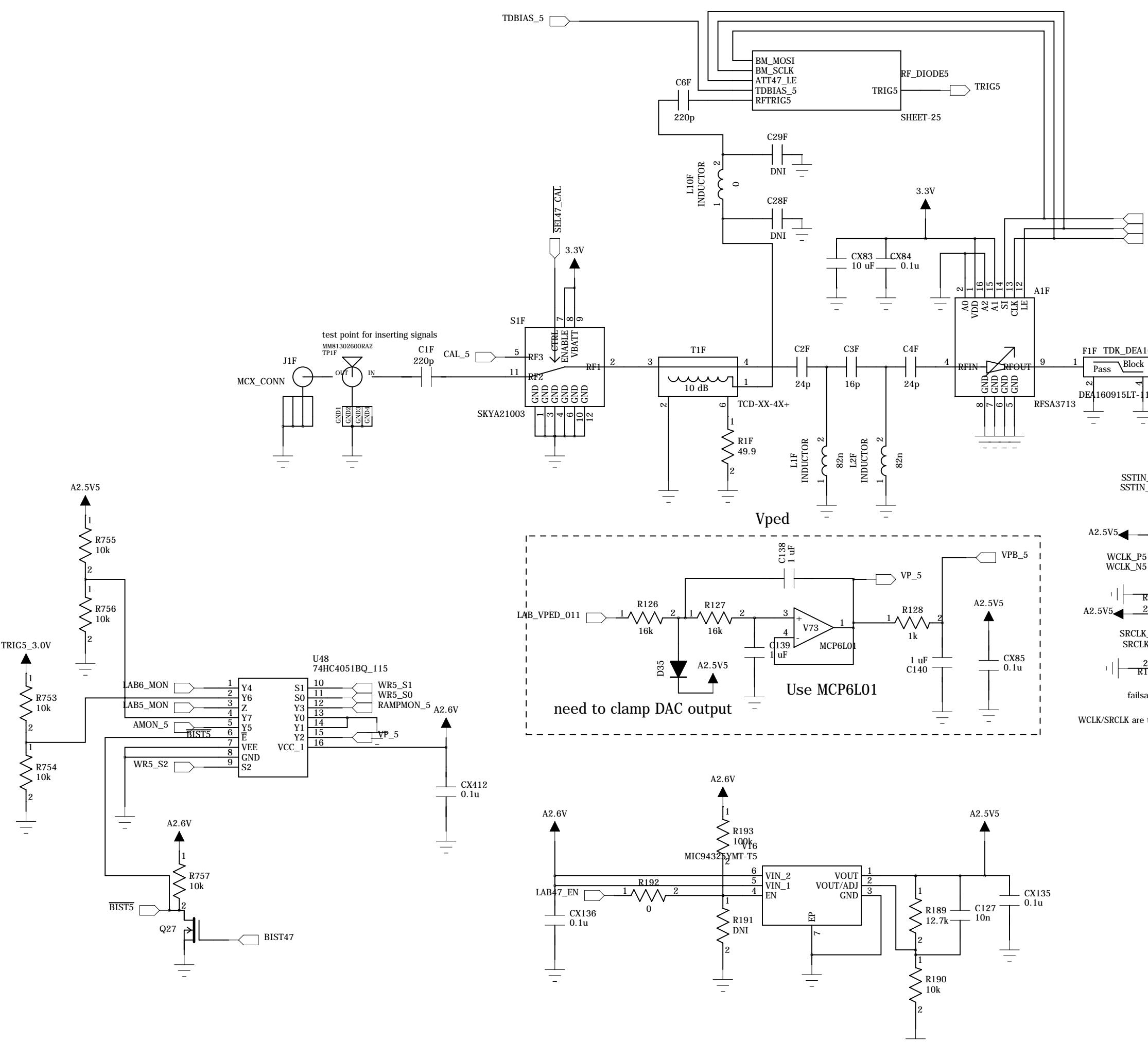
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COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL5		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
SCALE:	<Scale>	SHEET:	24 74

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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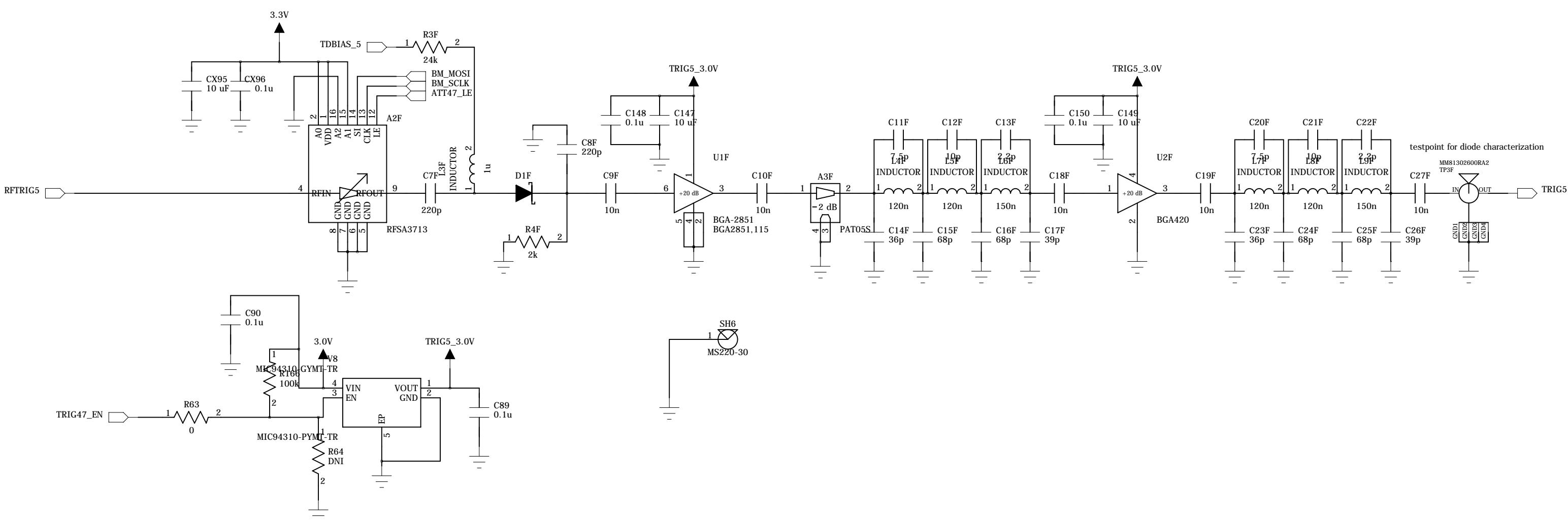
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COMPANY:	Ohio State University		
SHEET:	RF_DIODE5		
DRAWN:	PSA	DATED: 1/22/20	
CHECKED:	PSA	DATED: 2/27/20	
QUALITY CONTROL:	N/A	DATED: N/A	
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CODE:	C	SIZE:	DESIGN RADIANT
REV:	A		
SCALE:	<Scale>		Sheet: 25 74

REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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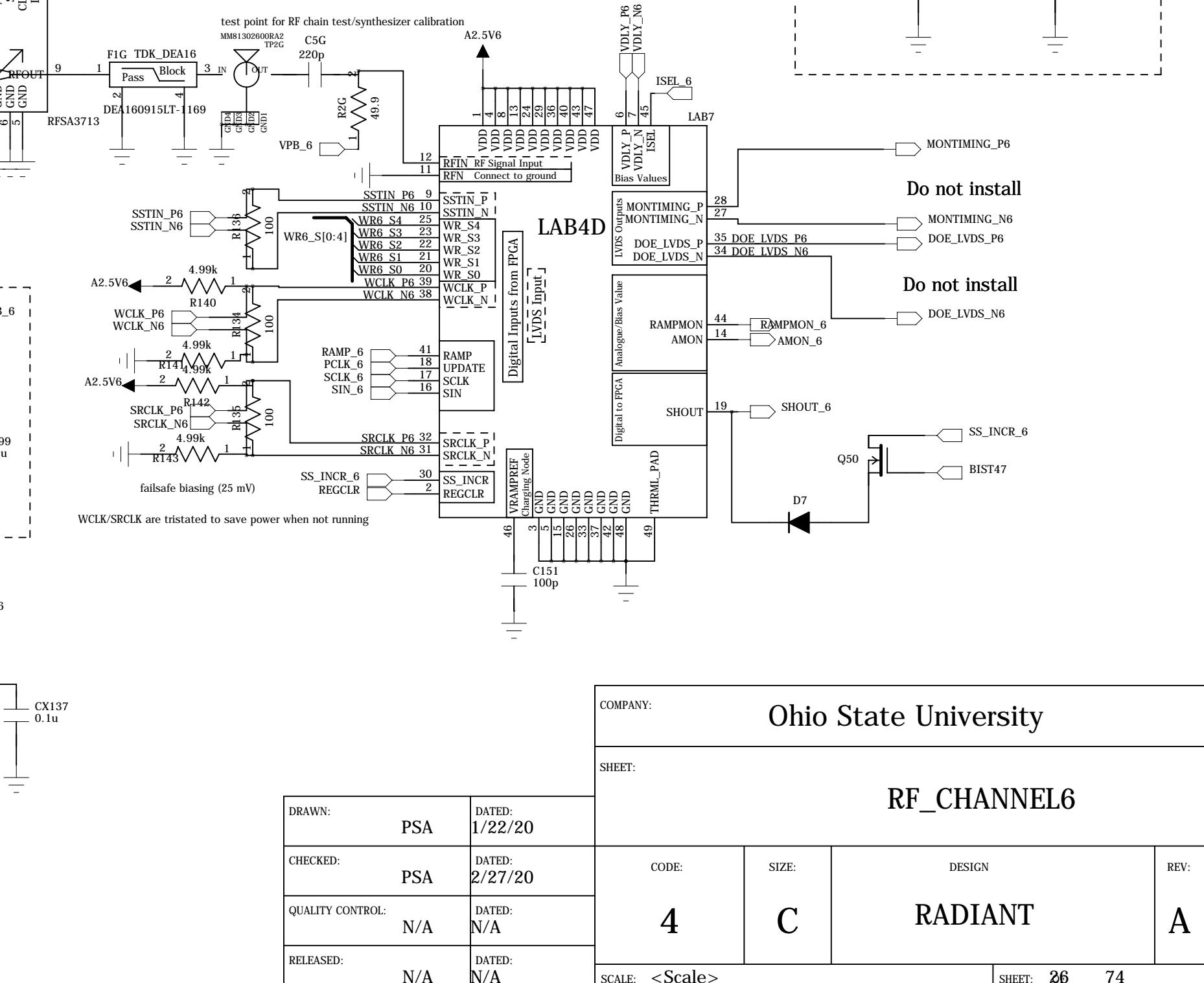
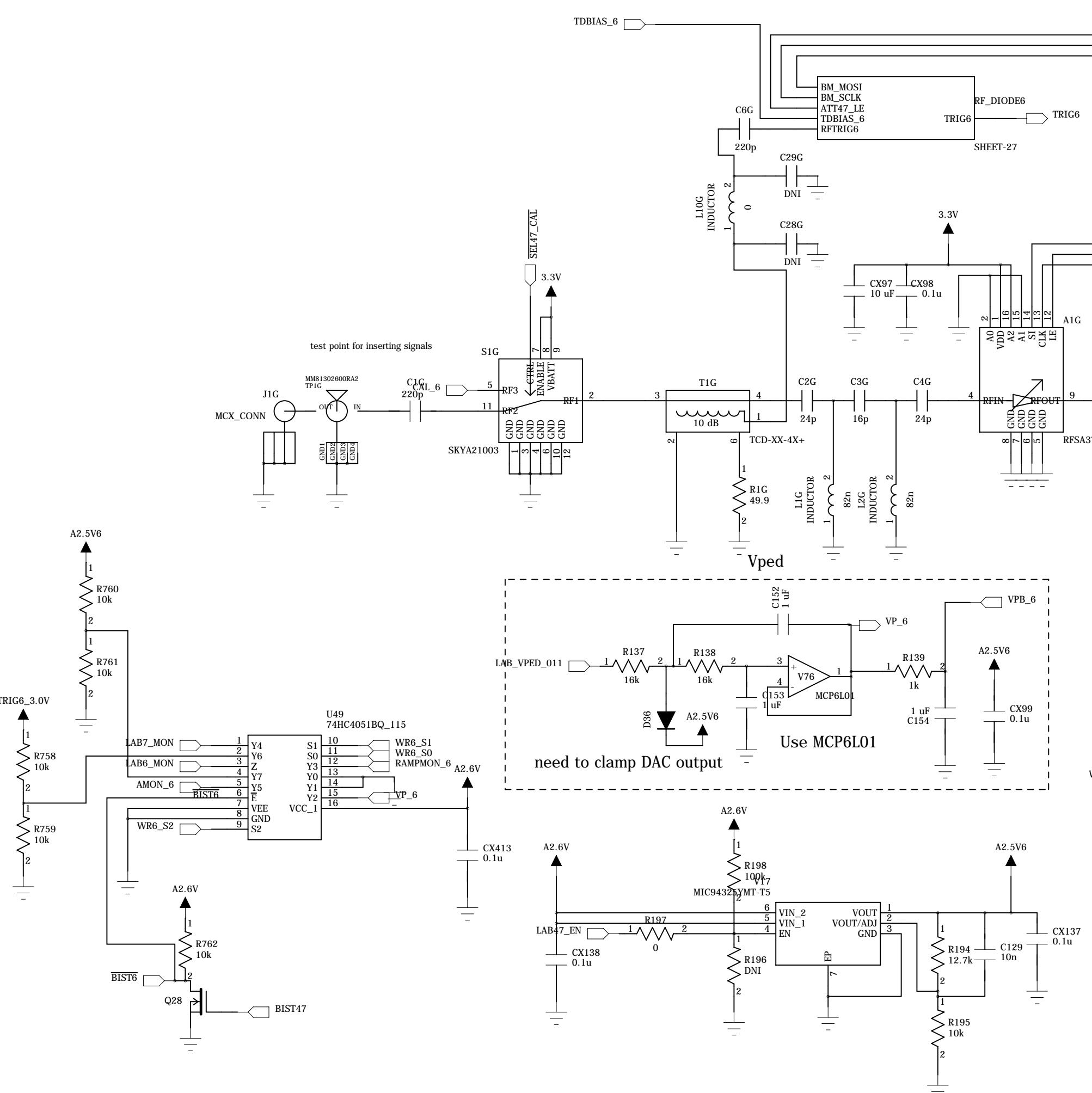
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REVISION RECORD

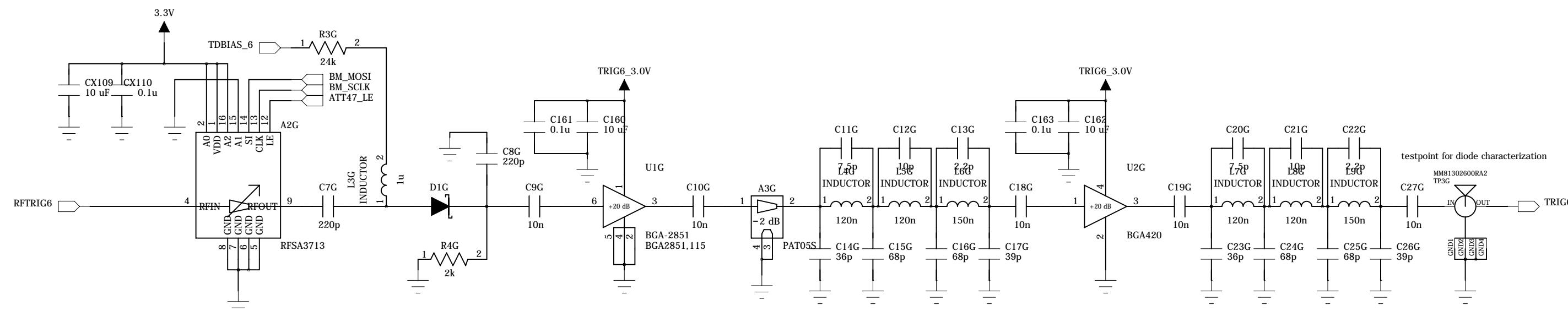
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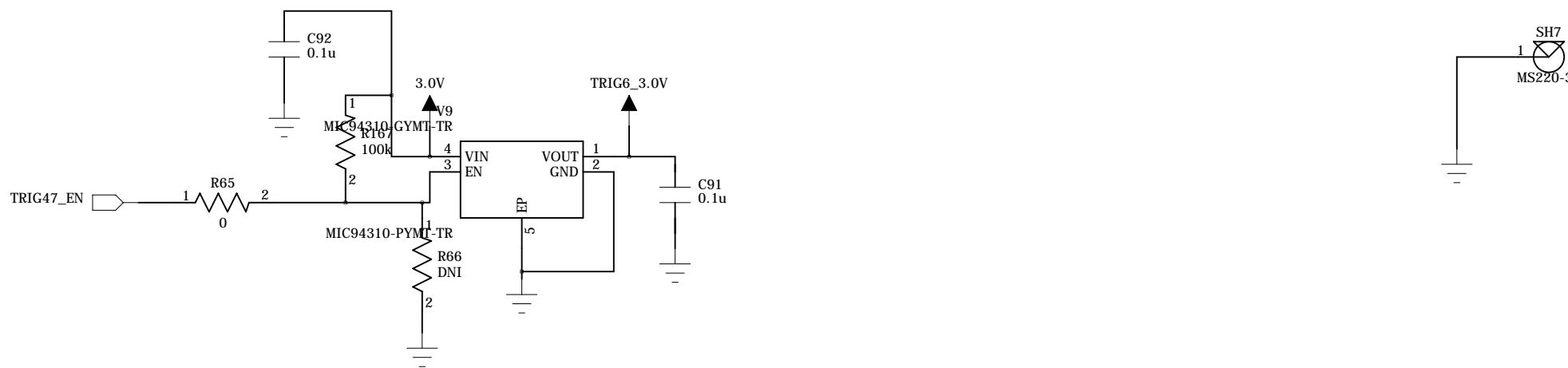
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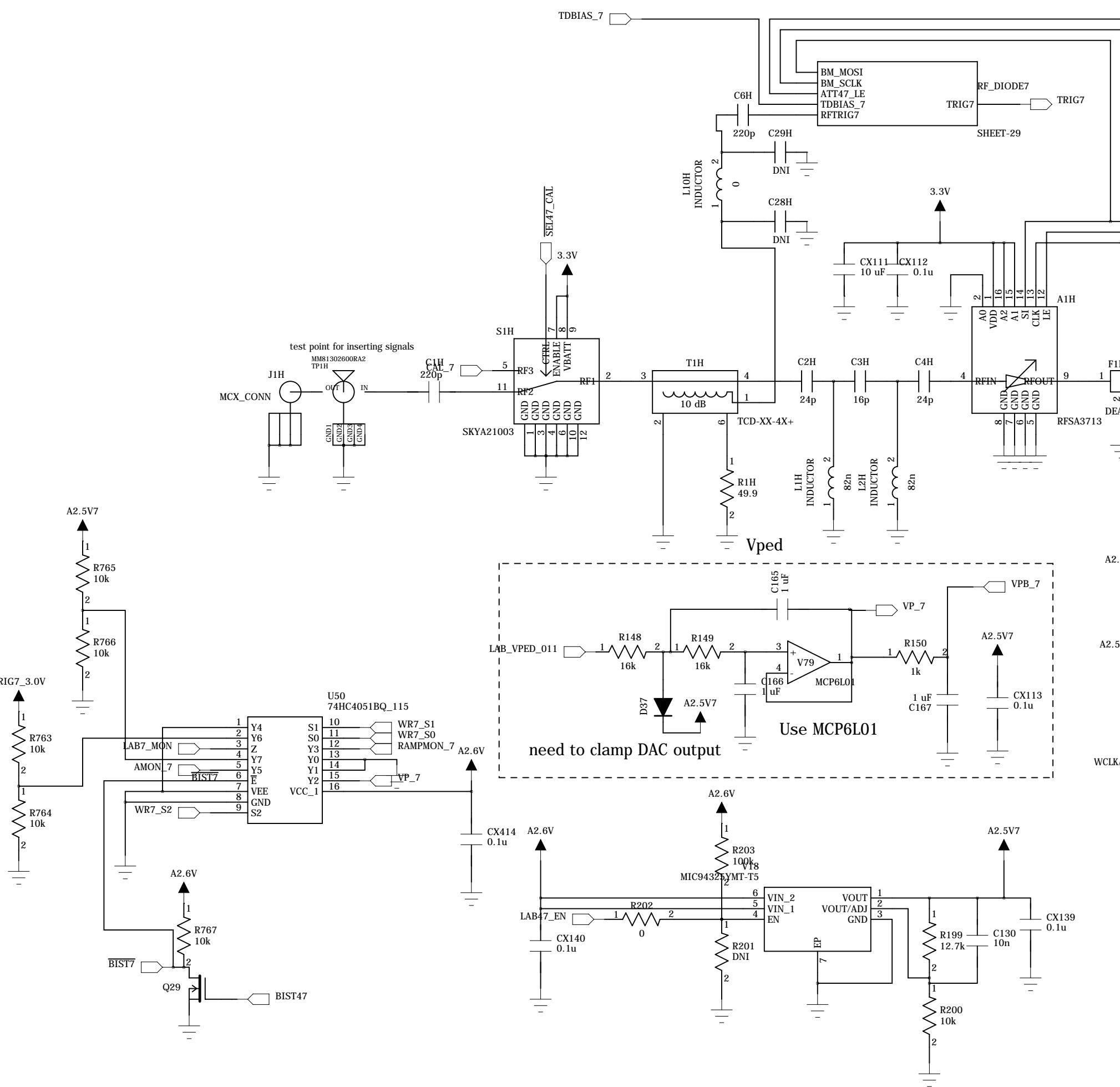
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COMPANY:	Ohio State University		
SHEET:	RF_DIODE6		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
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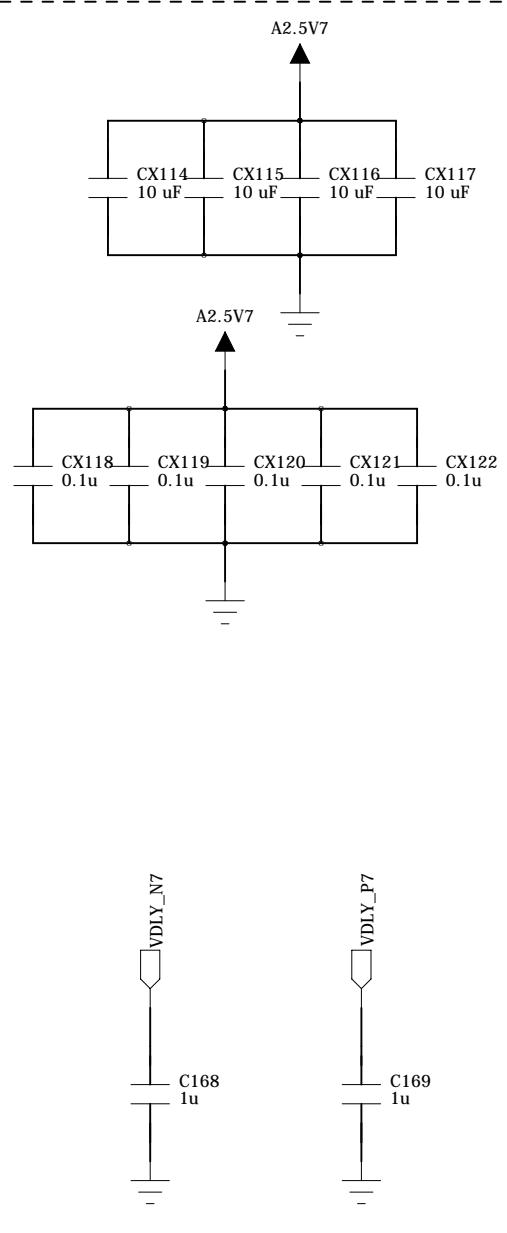
REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors



COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL7		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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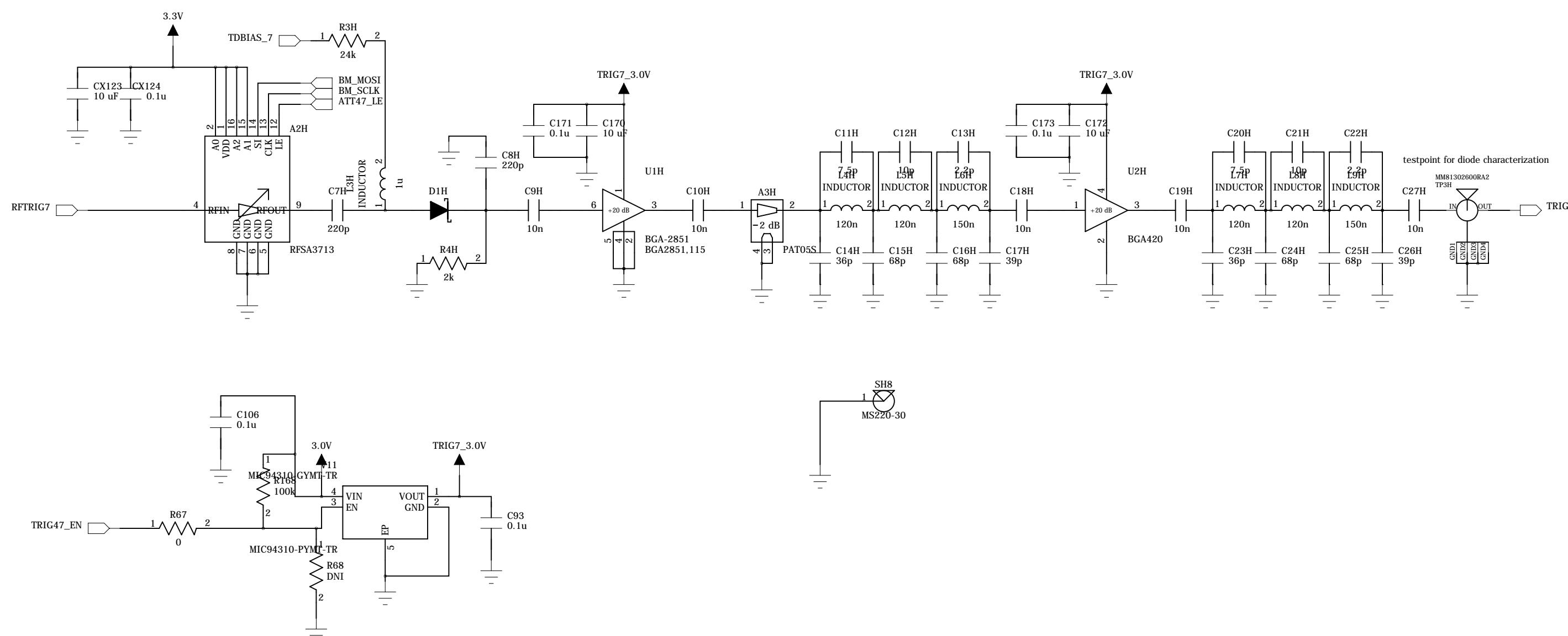
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COMPANY:

Ohio State University

SHEET:

RF_DIODE7

DRAWN:	PSA	DATED: 1/22/20	CODE: 4	SIZE: C	DESIGN: RADIANT	REV: A
CHECKED:	PSA	DATED: 2/27/20				
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SCALE: <Scale> SHEET: 20 74

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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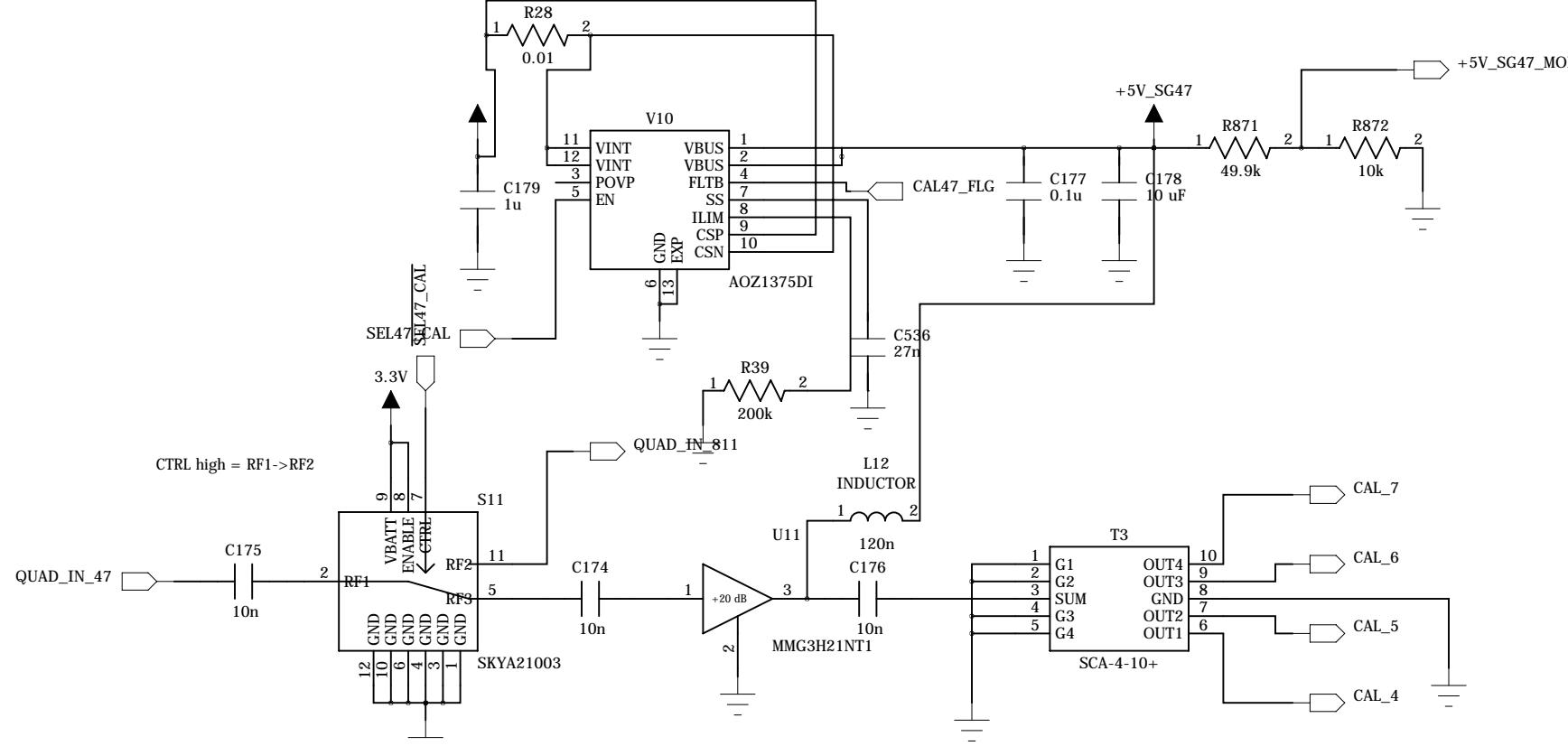
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COMPANY:	Ohio State University		
SHEET:	QUAD_SIG_GENERATOR 1		
DRAWN:	PSA	DATED: 1/22/20	
CHECKED:	PSA	DATED: 2/27/20	
QUALITY CONTROL:	N/A	DATED: N/A	
RELEASED:	N/A	DATED: N/A	
CODE:	4	SIZE: C	DESIGN: RADIANT
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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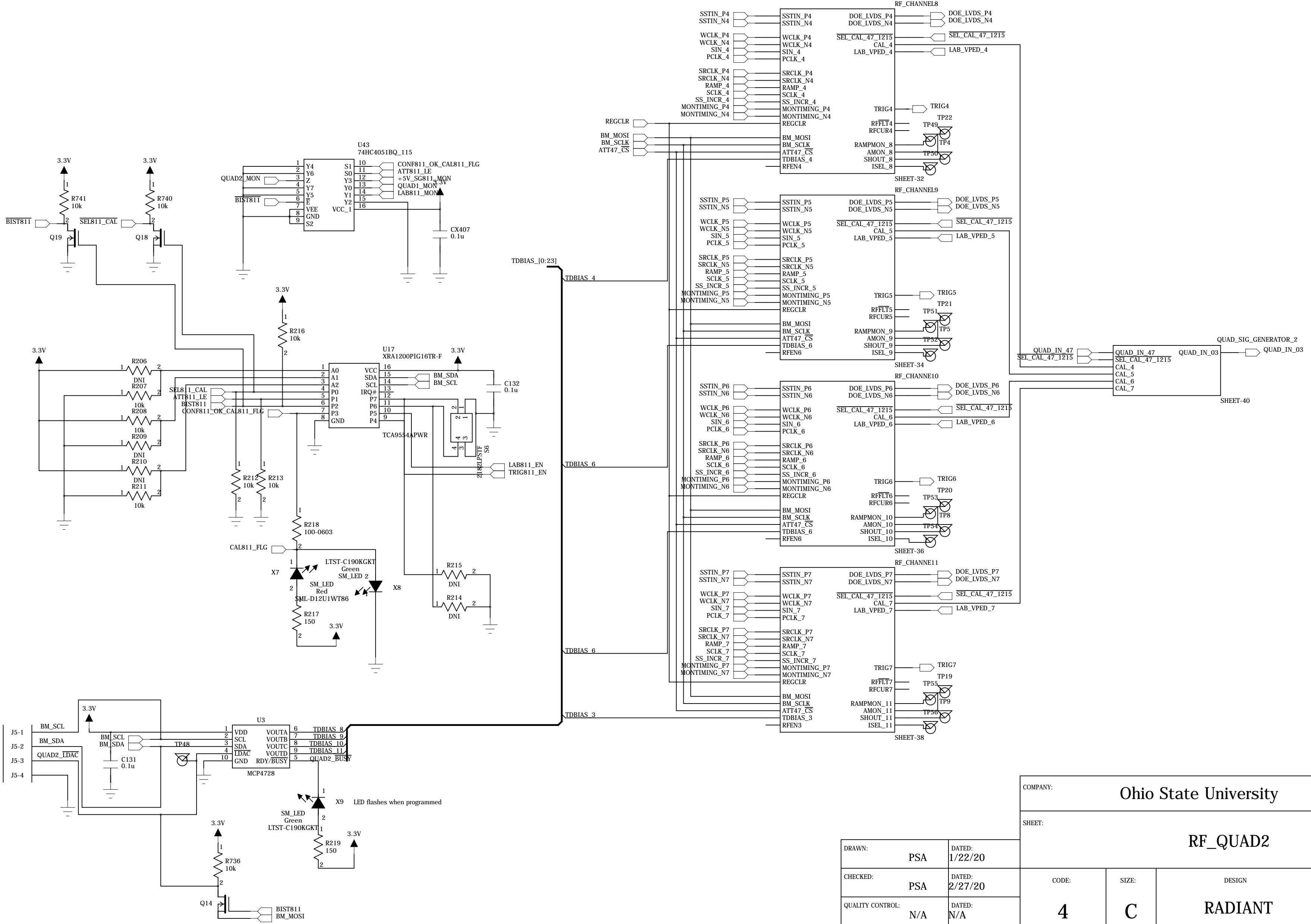
C

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COMPANY:	Ohio State University		
SHEET:	RF_QUAD2		
DRAWN:	PSA	DATED:	1/22/20
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QUALITY CONTROL:	N/A	DATED:	N/A
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CODE:	SIZE:	DESIGN	REV:
4	C	RADIANT	A
SCALE: <Scale>	SHEET: 31	74	

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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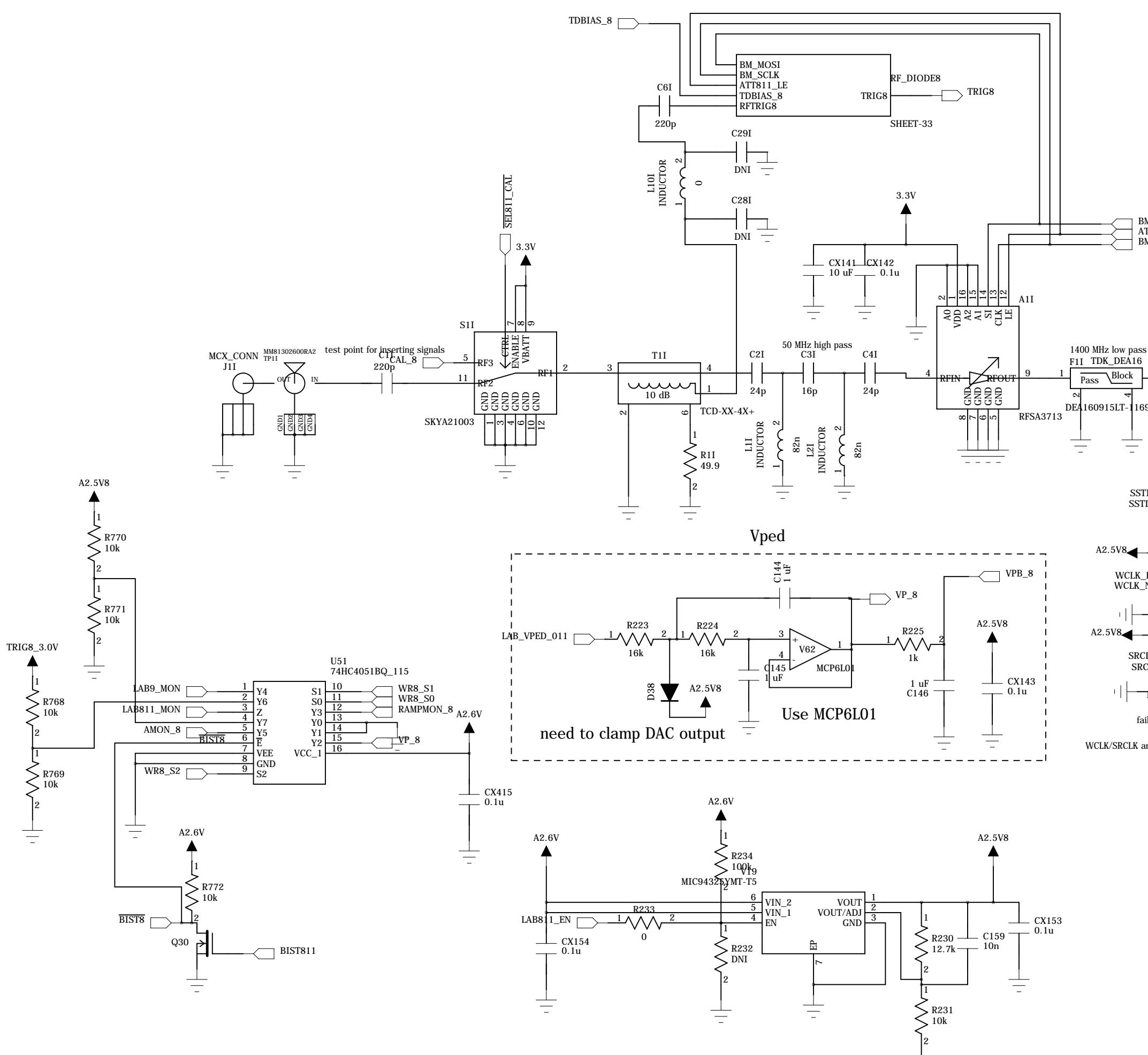
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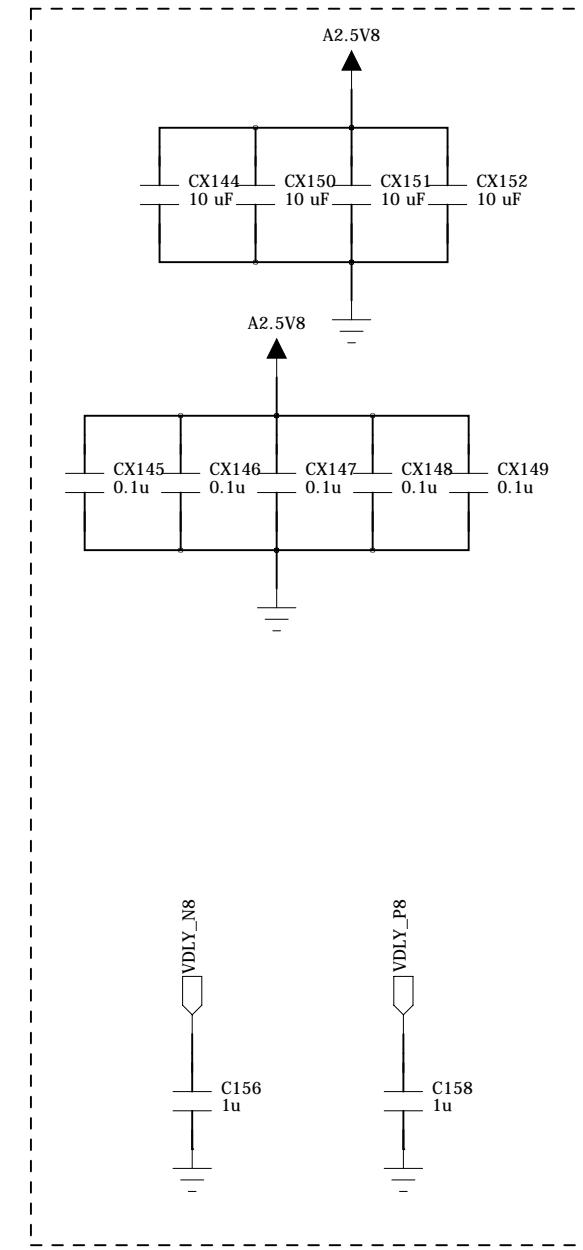
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COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL8		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
SCALE:	<Scale>	SHEET:	32 74



Filtering/bypass capacitors

Do not install

Do not install

DOE_LVDS_P

DOE_LVDS_N

AMON_8

RAMPMON

SHOUT_8

SS_INCR_8

BIST811

RADIANT

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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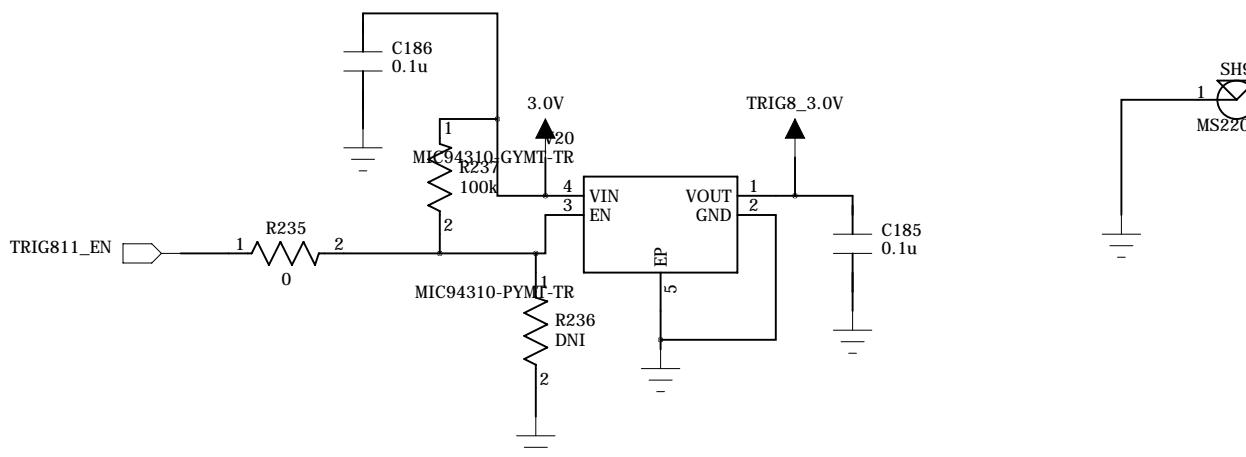
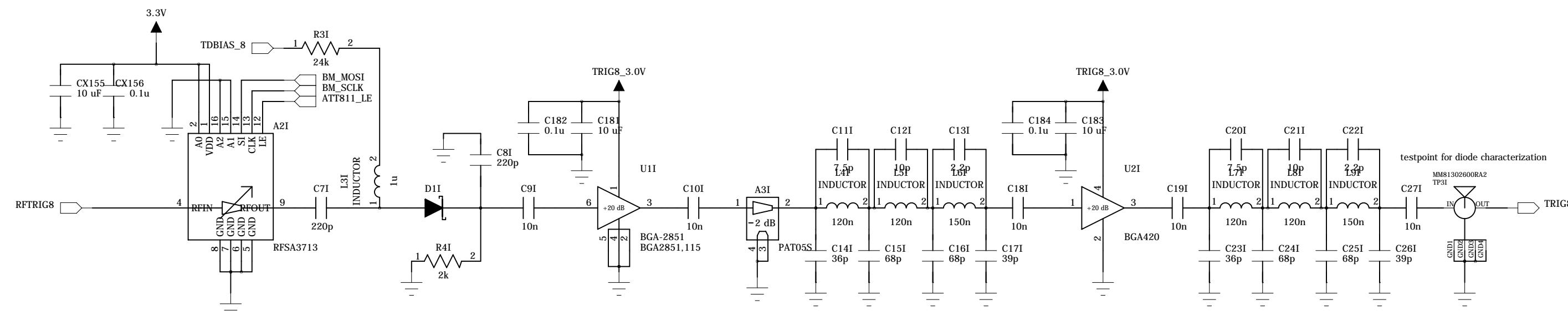
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COMPANY:	Ohio State University		
SHEET:	RF_DIODE8		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
CODE:	4	SIZE:	RADIANT
REV:	A		
SCALE:	<Scale>		Sheet: 38 74

REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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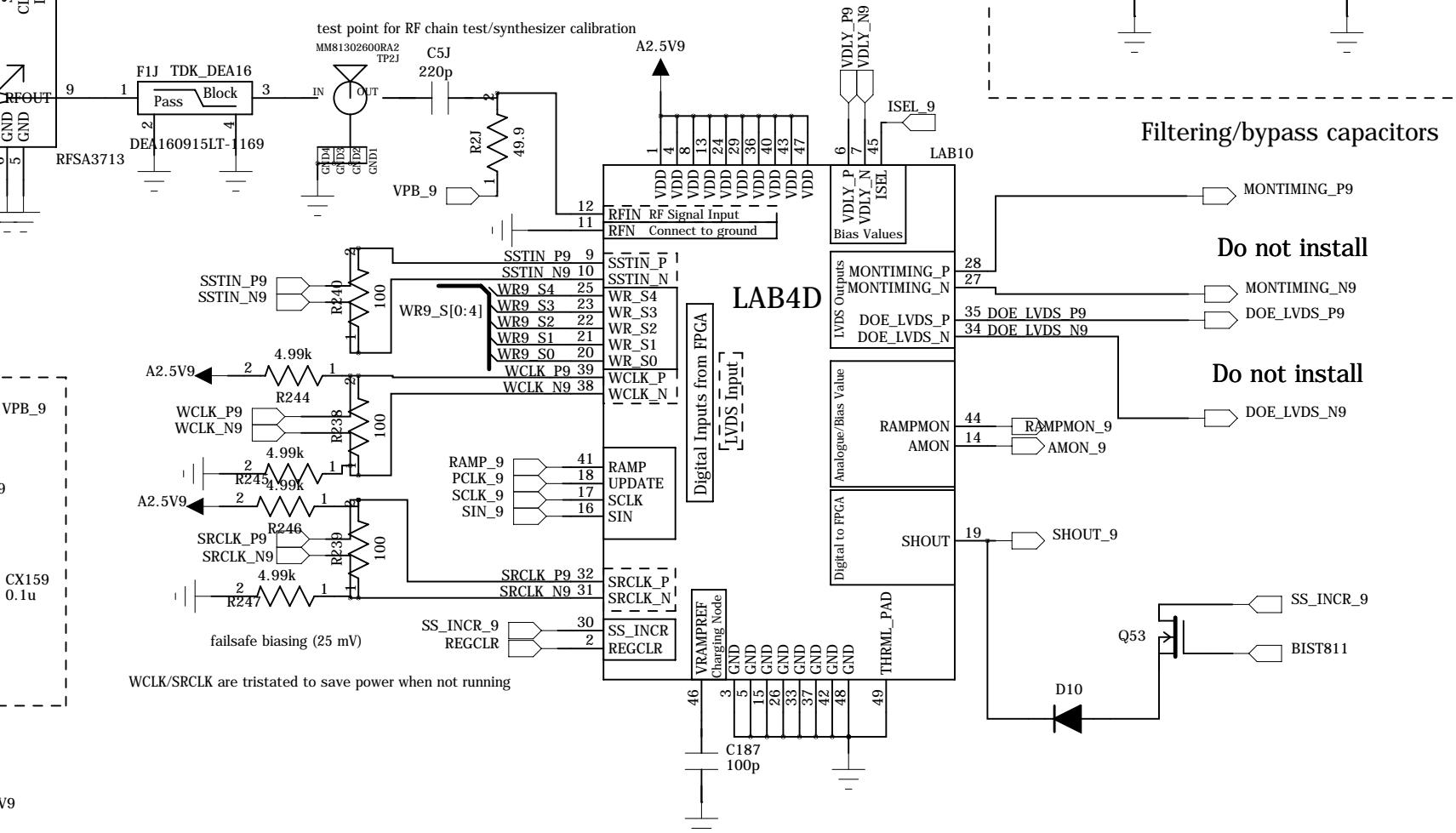
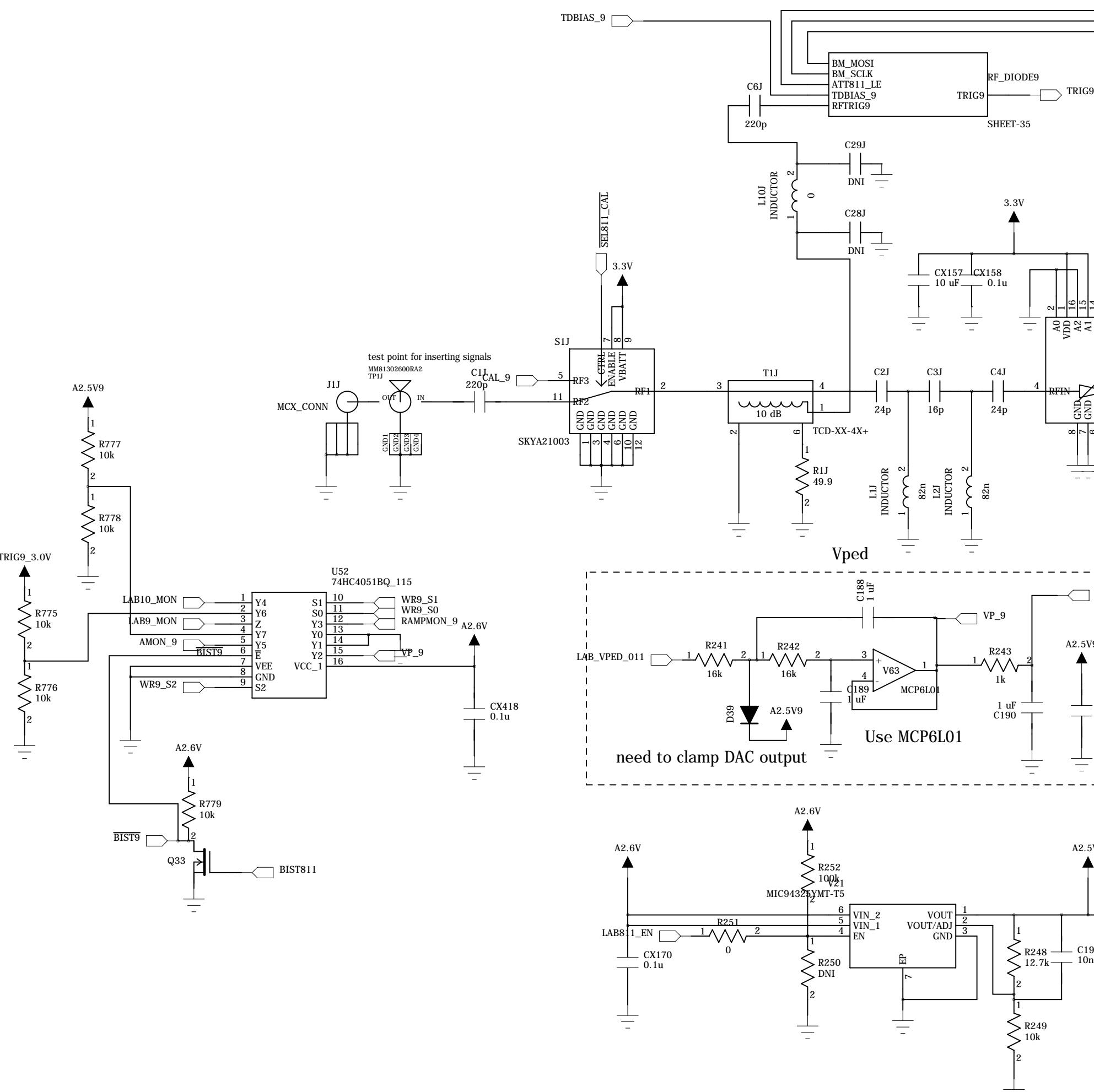
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COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL9		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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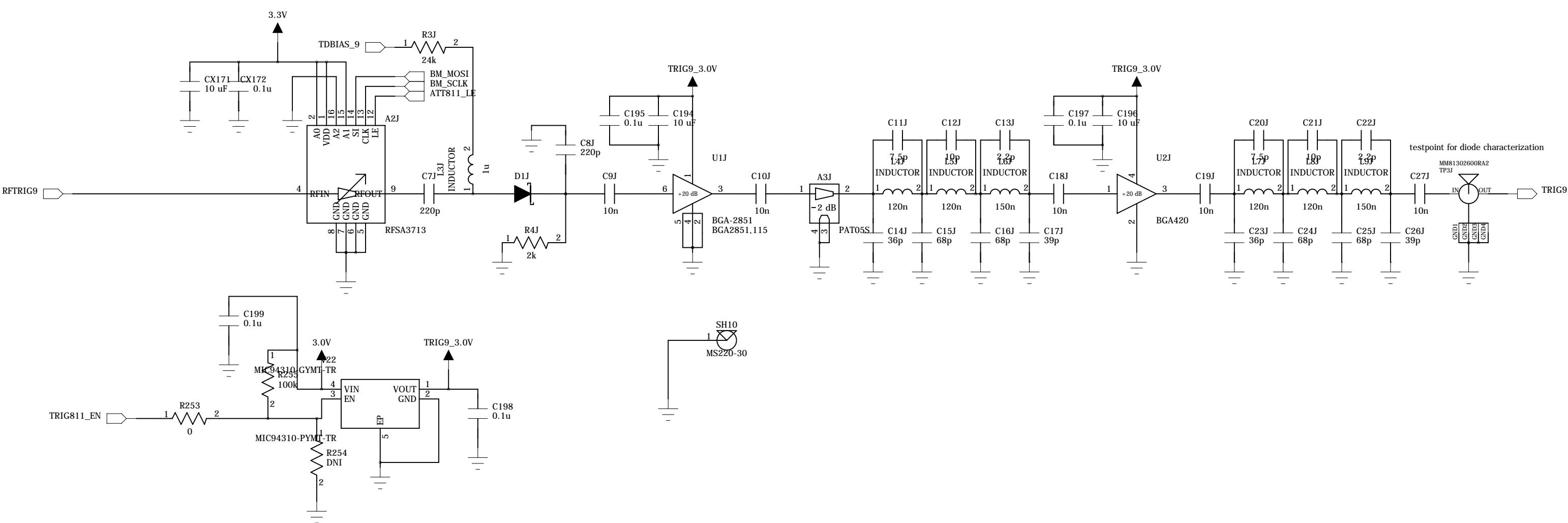
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COMPANY:	Ohio State University		
SHEET:	RF_DIODE9		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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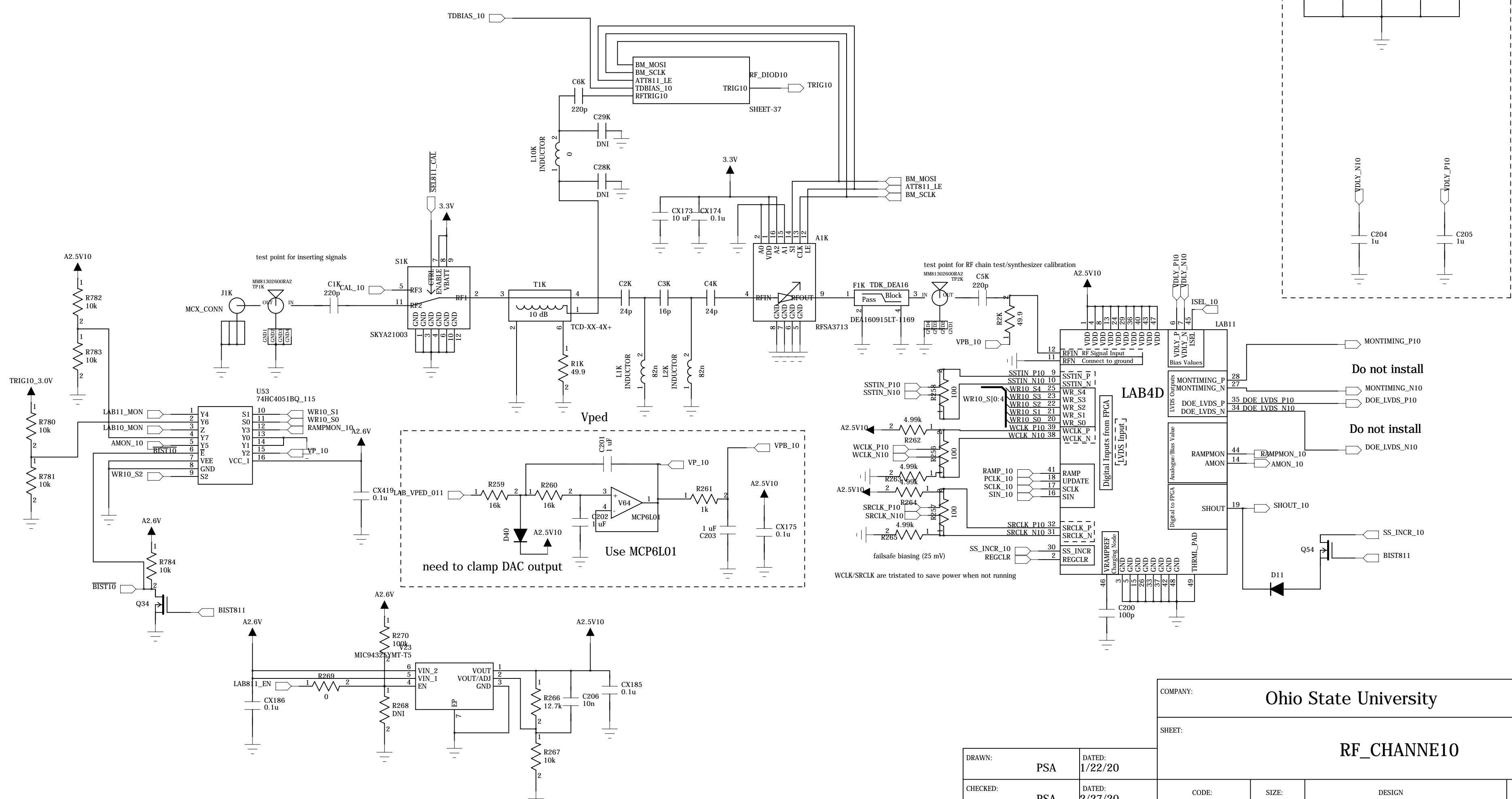
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REVISION RECORD

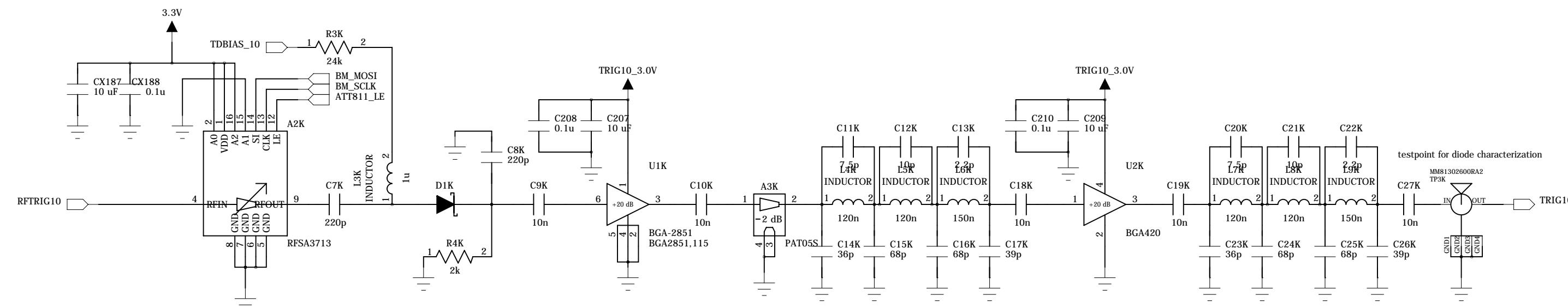
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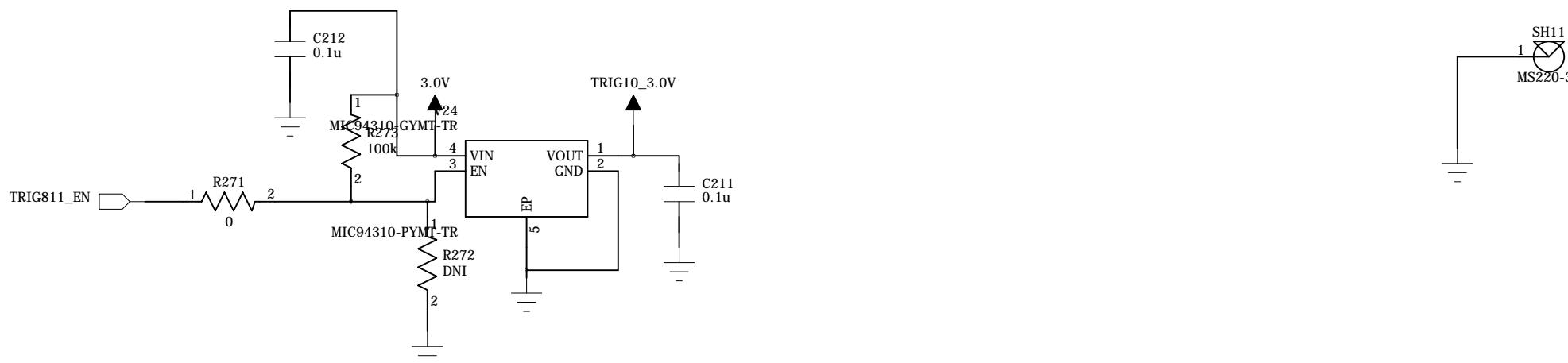
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COMPANY:	Ohio State University		
SHEET:	RF_DIOD10		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
RELEASED:	N/A	DATED:	N/A
CODE:	4	SIZE:	RADIANT
REV:	A	SCALE:	<Scale>
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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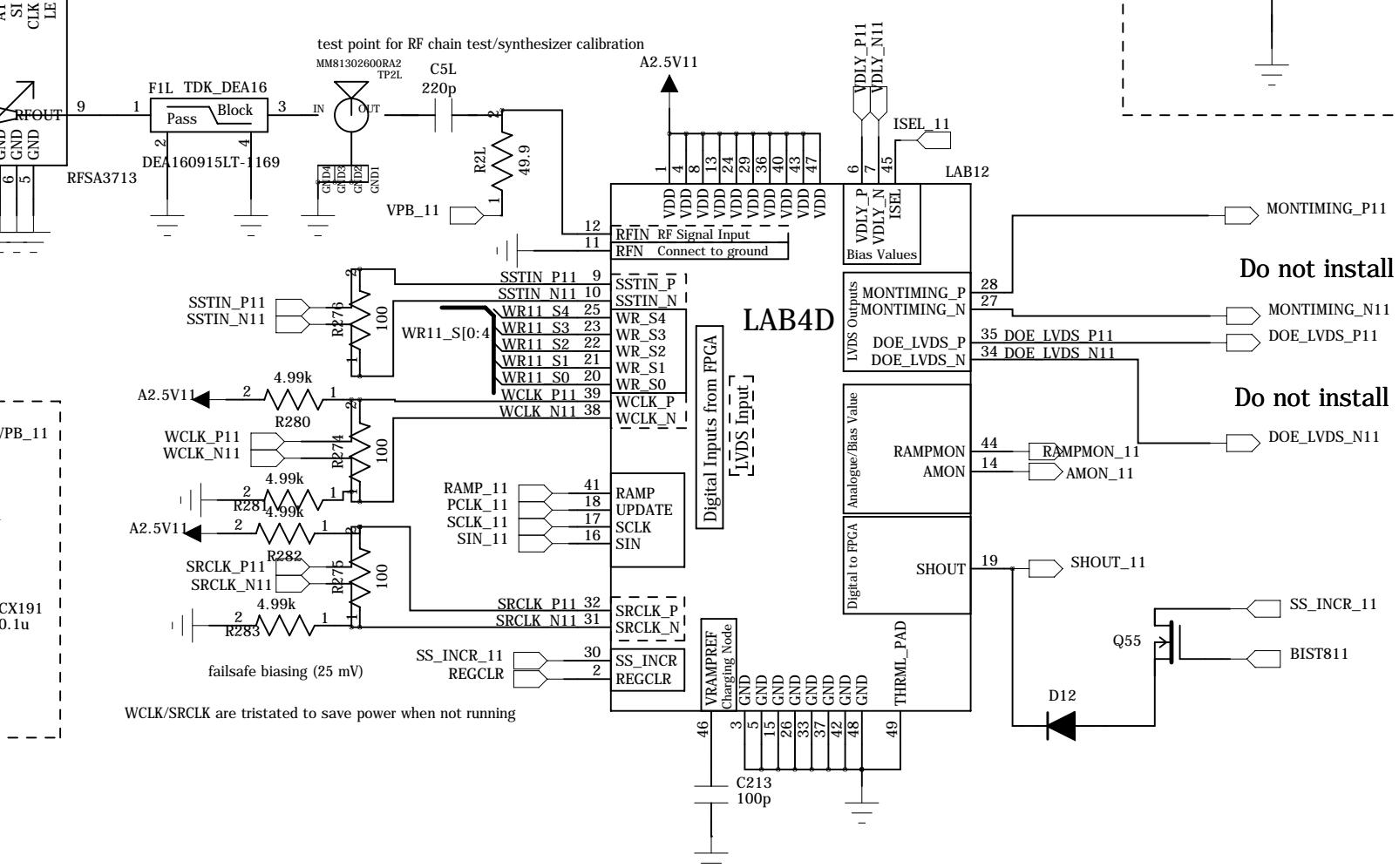
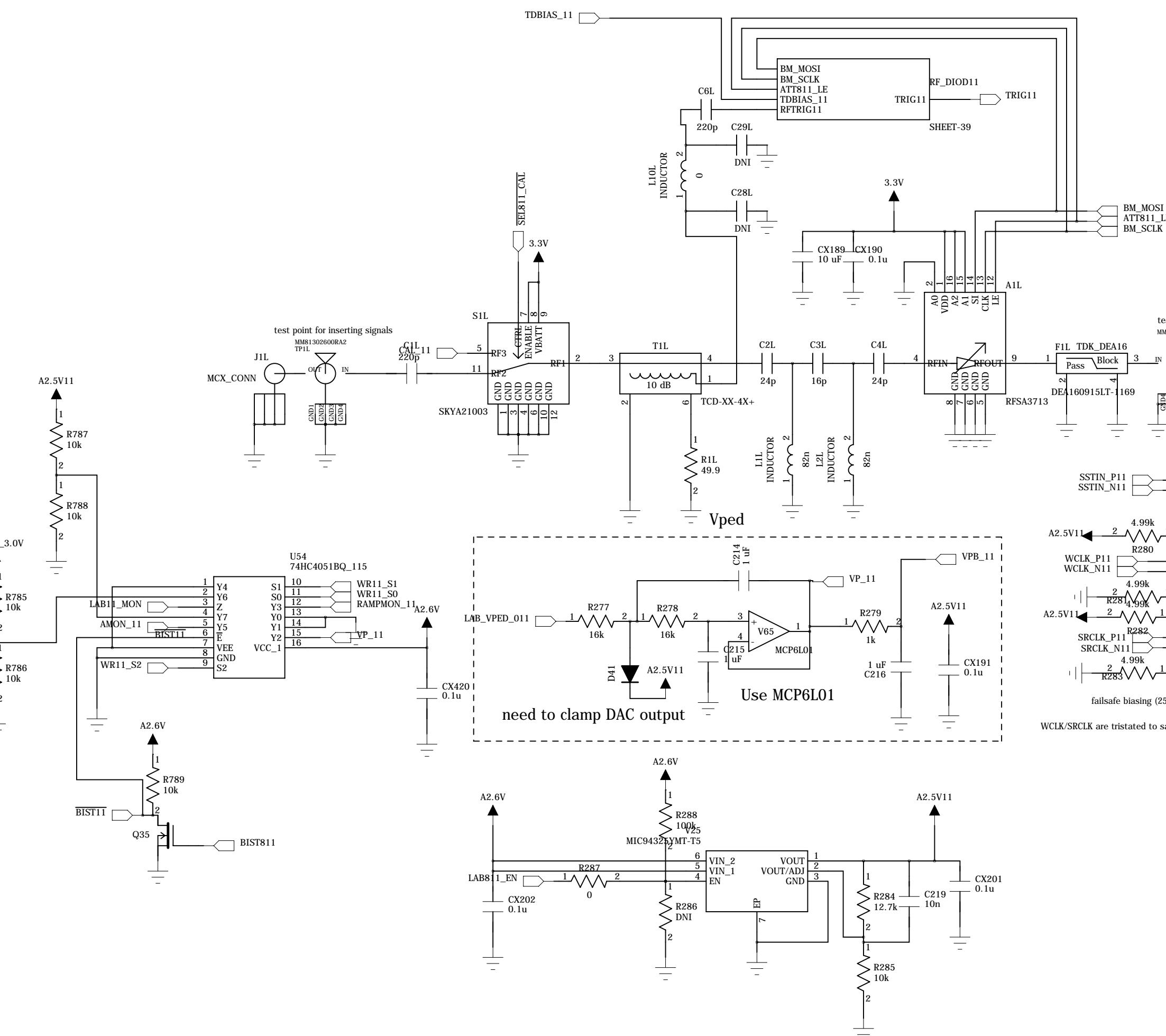
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COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL11		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
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SCALE:	<Scale>	CODE:	C
		SIZE:	RADIANT
		REV:	A
		SCALE:	38 74

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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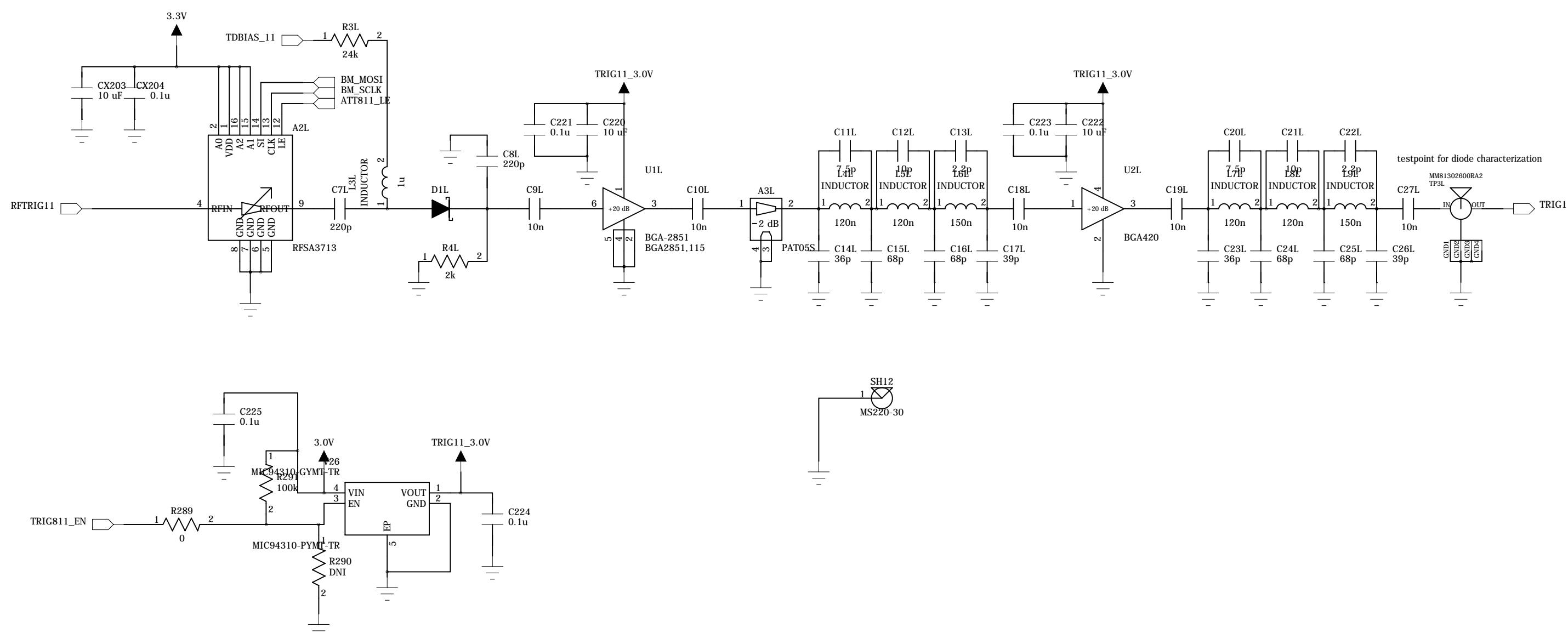
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COMPANY:

Ohio State University

SHEET:

RF_DIOD11

DRAWN:	PSA	DATED: 1/22/20	CODE: 4	SIZE: C	DESIGN: RADIANT	REV: A
CHECKED:	PSA	DATED: 2/27/20				
QUALITY CONTROL:	N/A	DATED: N/A				
RELEASED:	N/A	DATED: N/A				

SCALE: <Scale> SHEET: 39 74

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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

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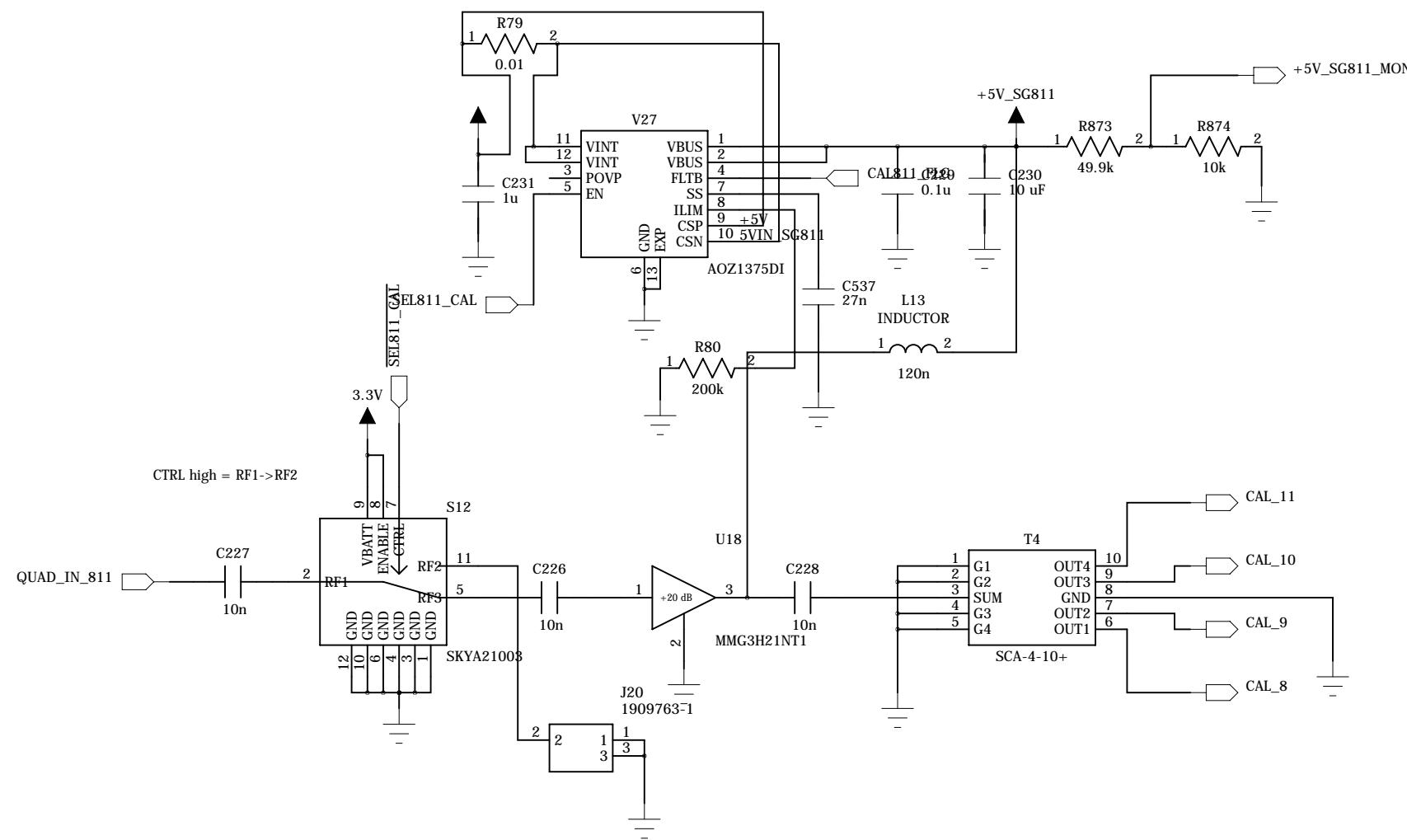
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COMPANY:	Ohio State University		
SHEET:	QUAD_SIG_GENERATOR_		
CODE:	SIZE:	DESIGN	REV:
4	C	RADIANT	A
SCALE: <Scale>	SHEET: 40	74	

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there's stuff here, it's just off-sheet cuz it's too big

COMPANY:		Ohio State University				
SHEET:		AUXCPLDS				
DRAWN:	PSA	DATED: 1/22/20	CODE: 4	SIZE: C	DESIGN: RADIANT	REV: A
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CHECKED:	PSA	DATED: 2/27/20
QUALITY CONTROL:	N/A	DATED: N/A
RELEASED:	N/A	DATED: N/A

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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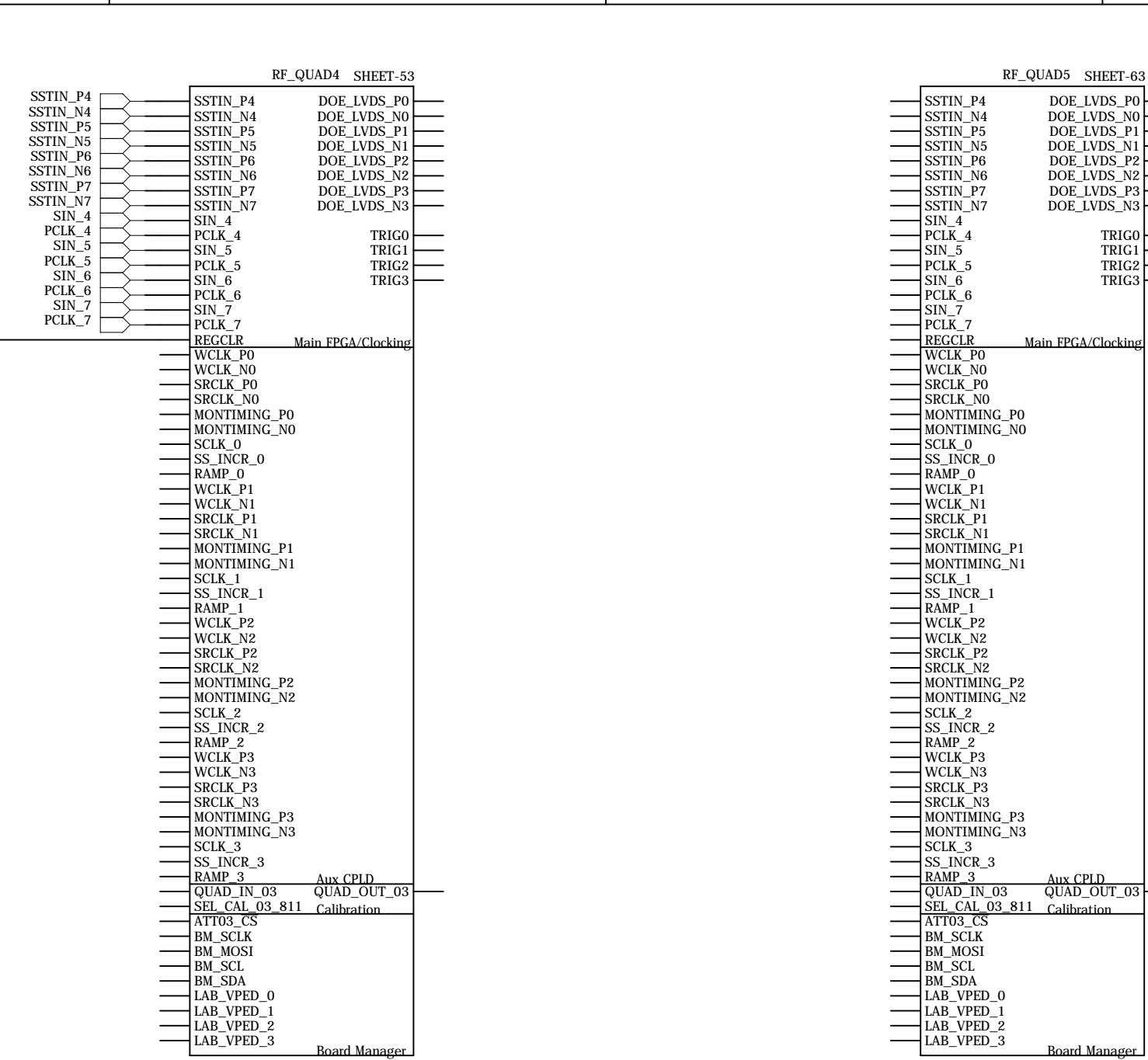
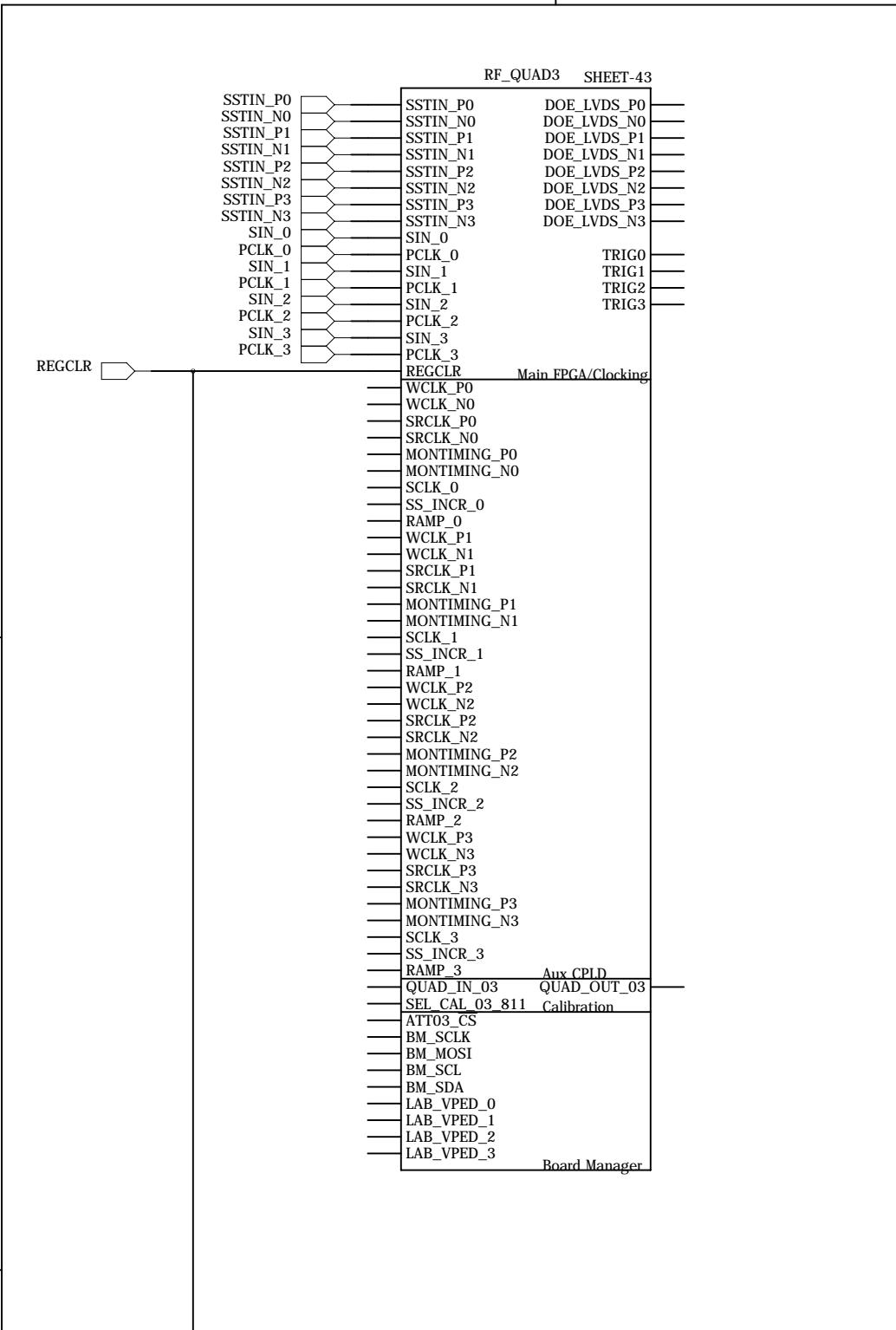
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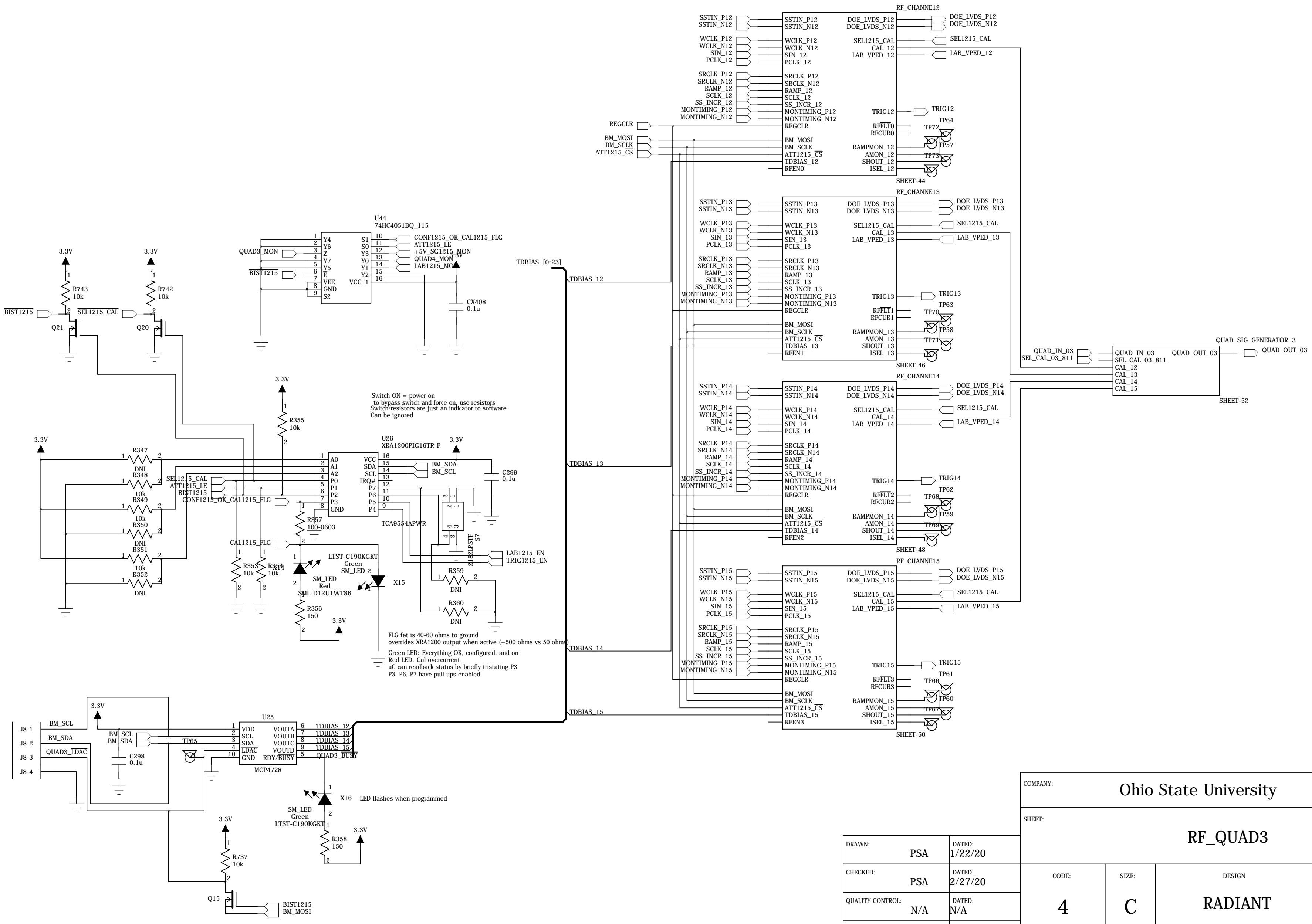


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RELEASED:	N/A	DATED:	N/A
CODE:	SIZE:	DESIGN:	REV:
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SCALE: <Scale>		SCALE:	42 74

REVISION RECORD			
R	ECO NO:	APPROVED:	DATE:

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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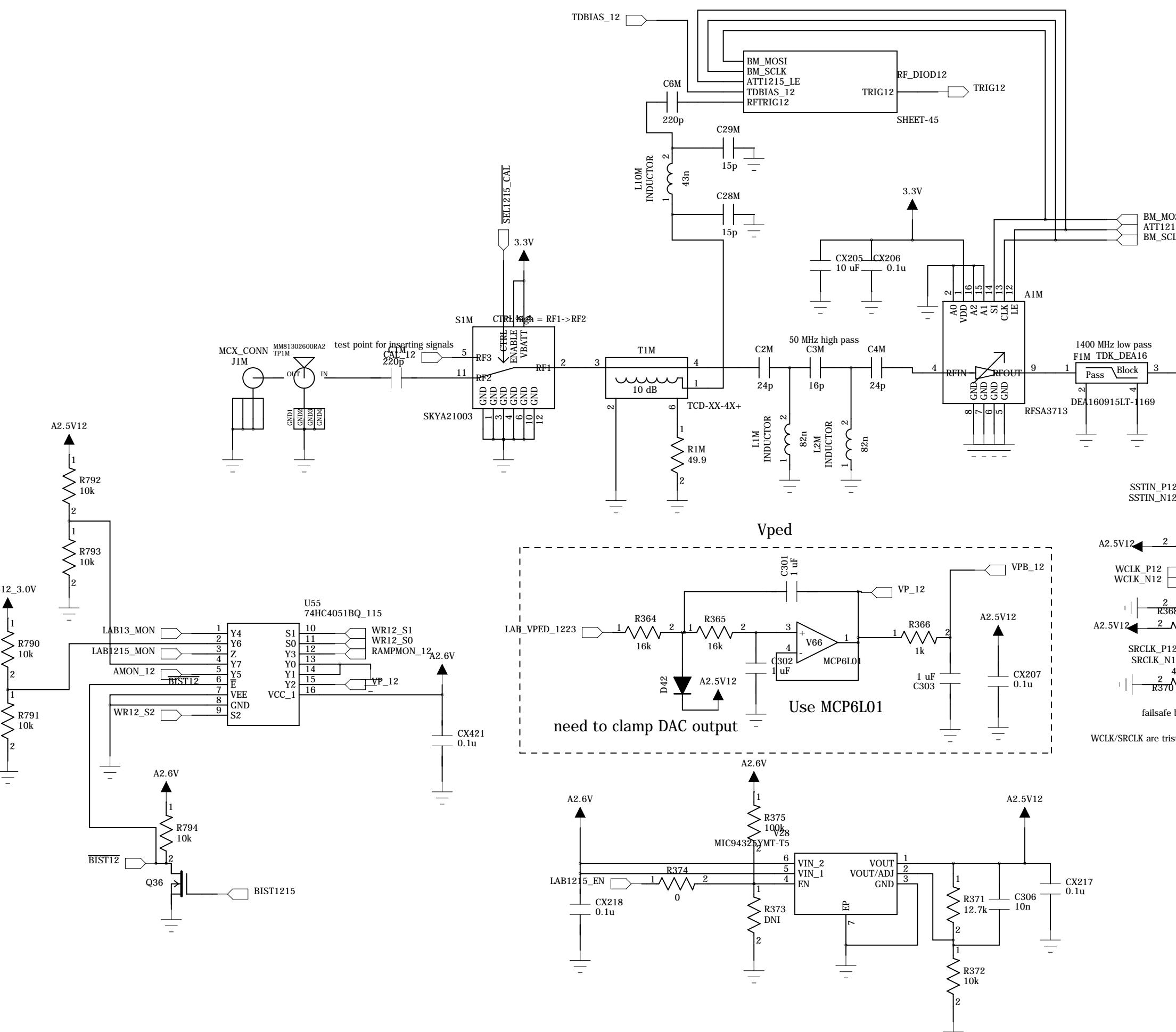
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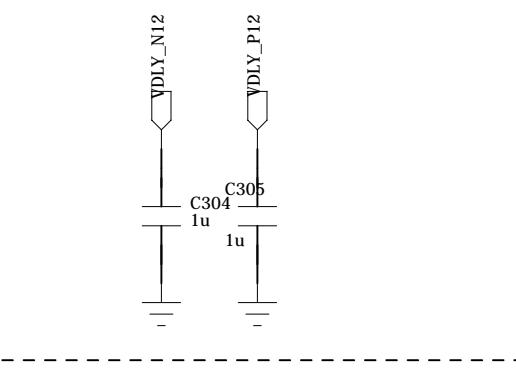
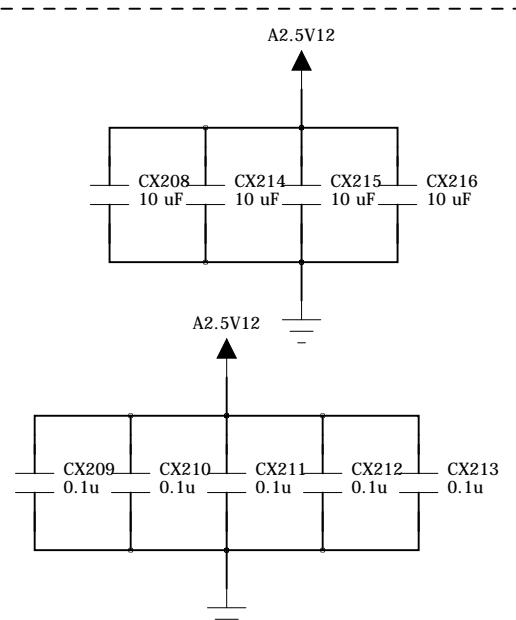
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COMPANY: Ohio State University
 SHEET: RF_CHANNEL12
 CODE: 4 SIZE: C DESIGN: RADIANT REV: A
 SCALE: <Scale> SHEET: 44 74



Filtering/bypass capacitors

Do not install

Do not install

Do not install

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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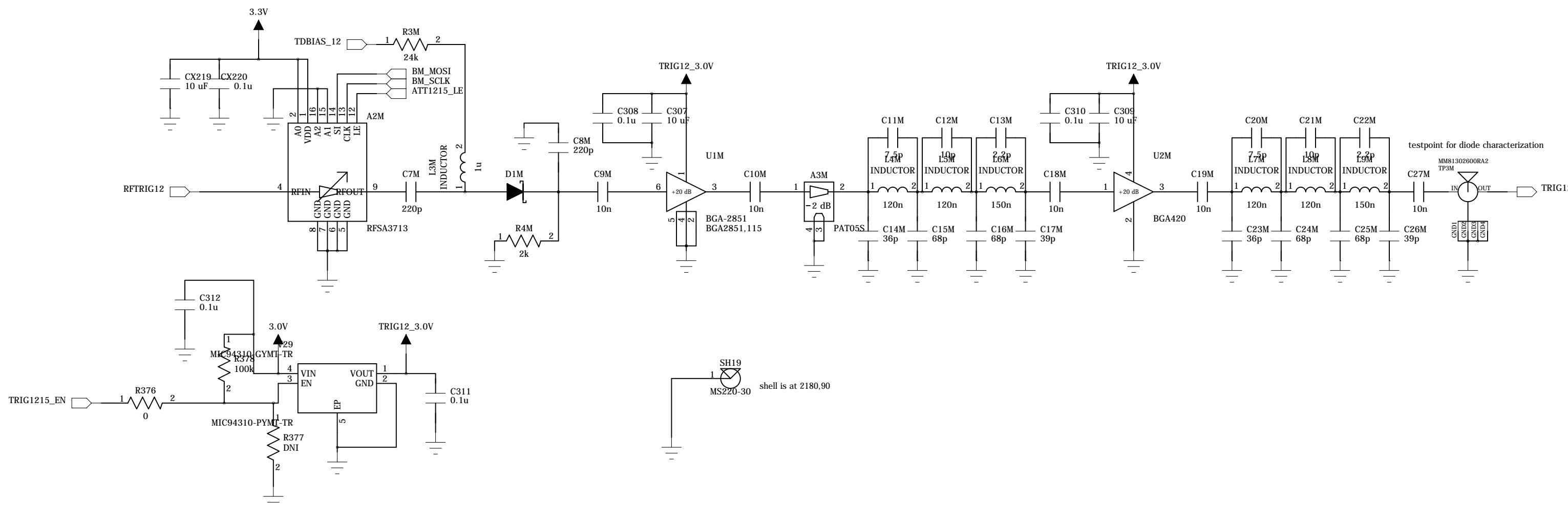
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COMPANY:

Ohio State University

SHEET:

RF_DIOD12

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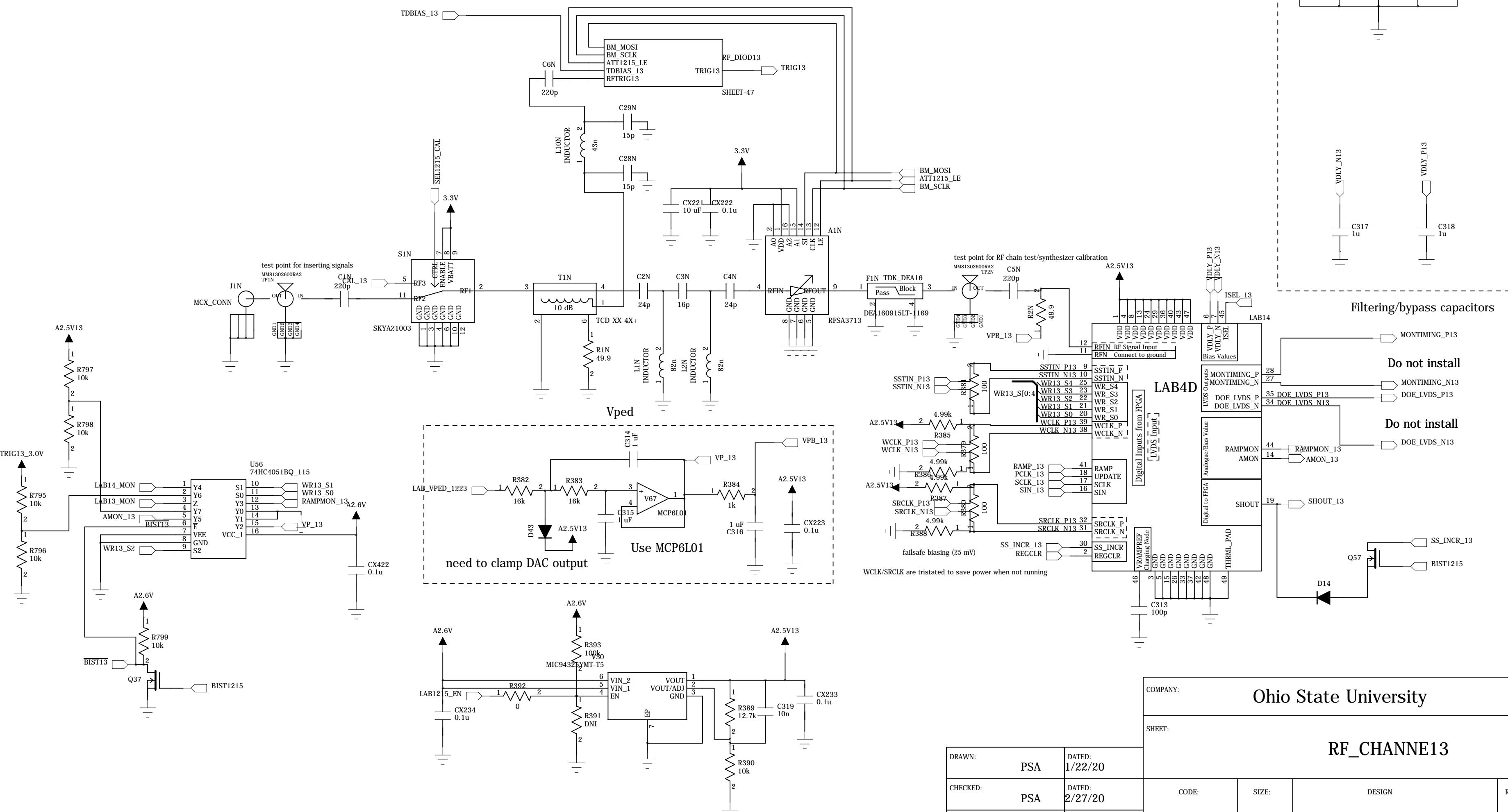
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors



COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL13		
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CHECKED:	PSA	DATED:	2/27/20
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SCALE:	<Scale>	SHEET:	46 74

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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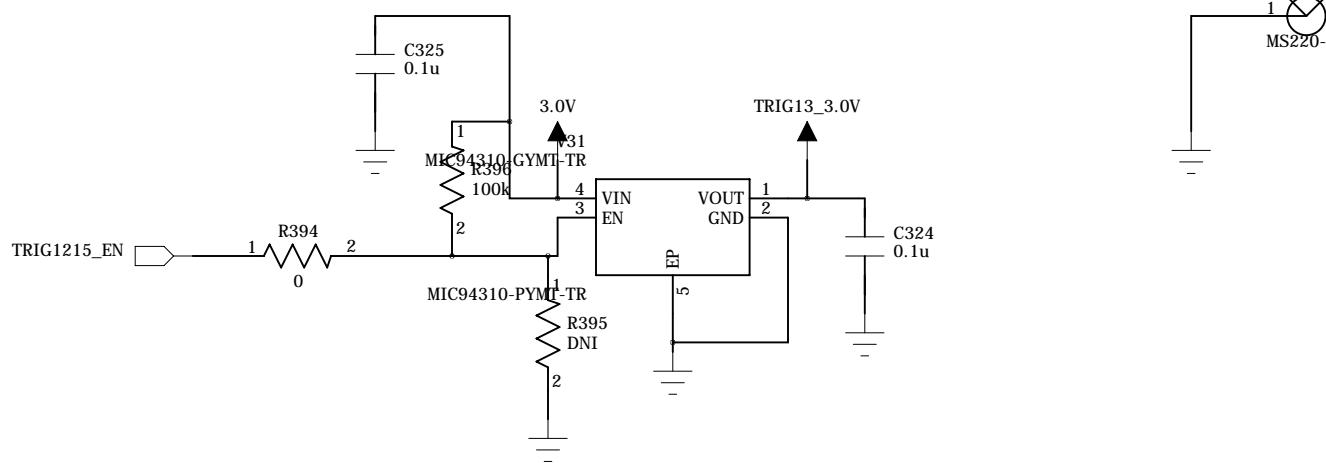
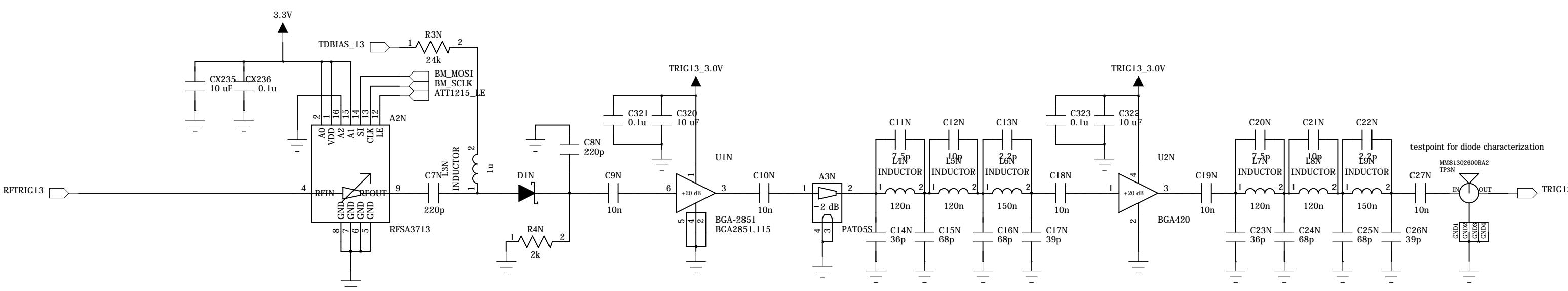
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COMPANY:	Ohio State University		
SHEET:	RF_DIOD13		
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CHECKED:	PSA	DATED: 2/27/20	
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CODE:	SIZE:	DESIGN:	REV:
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SCALE: <Scale>		SHEET: 47	74

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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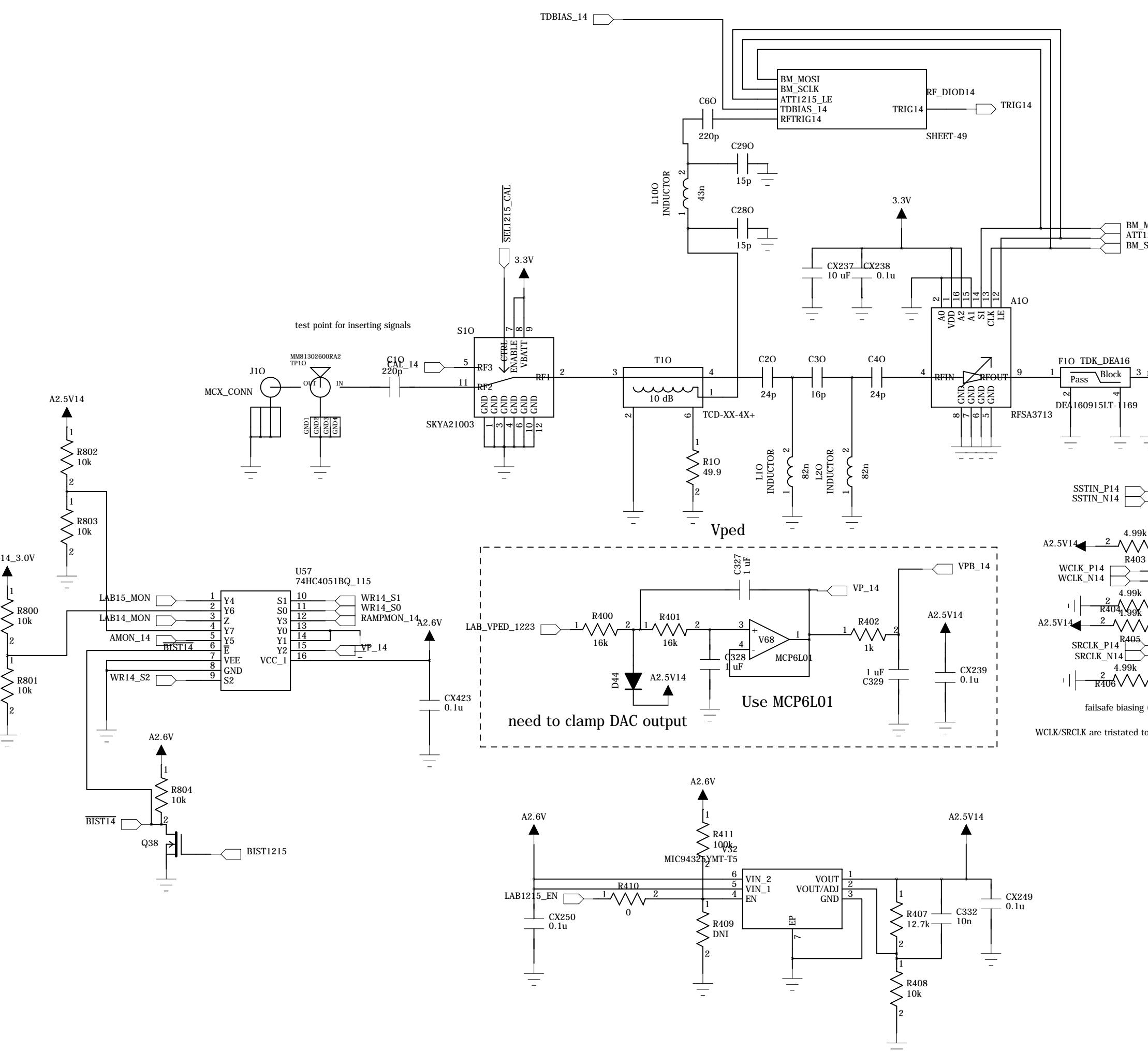
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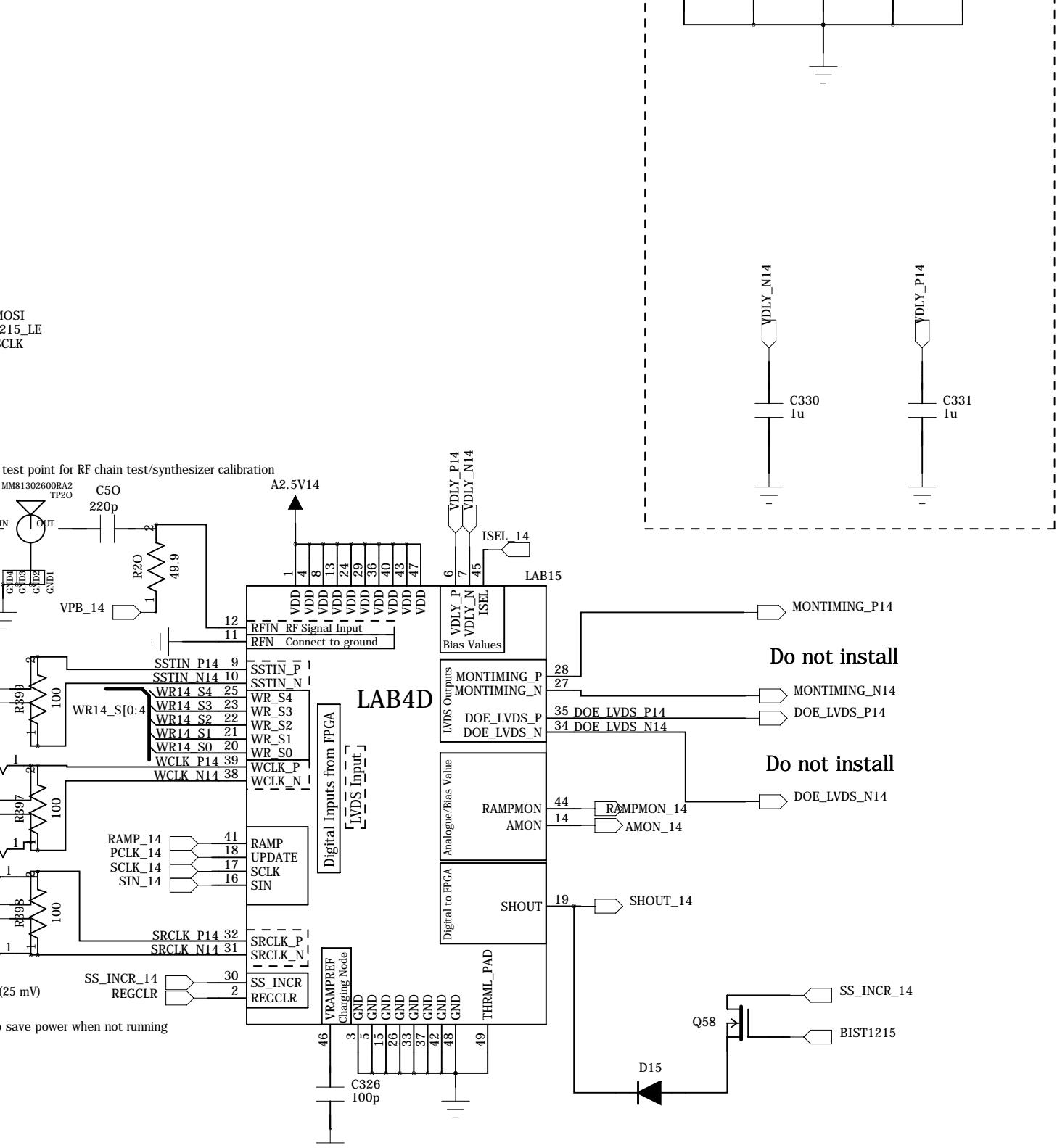
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COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL14		
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CHECKED:	PSA	DATED:	2/27/20
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REVISION RECORD

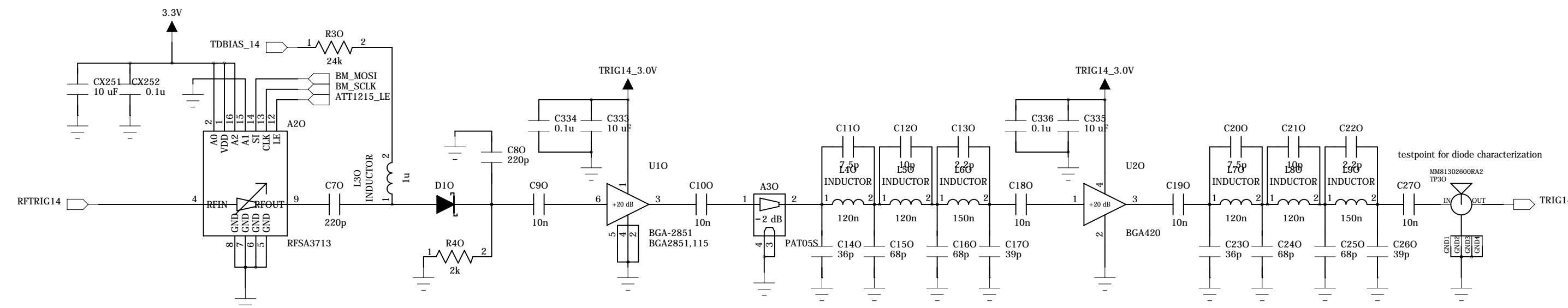
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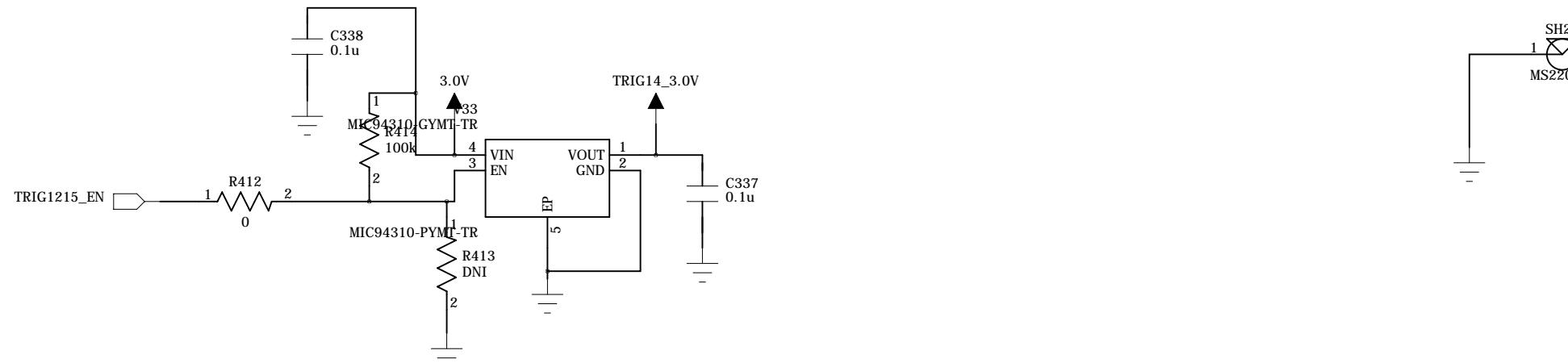
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COMPANY:	Ohio State University		
SHEET:	RF_DIOD14		
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CHECKED:	PSA	DATED:	2/27/20
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SCALE:	<Scale>		Sheet: 49 74

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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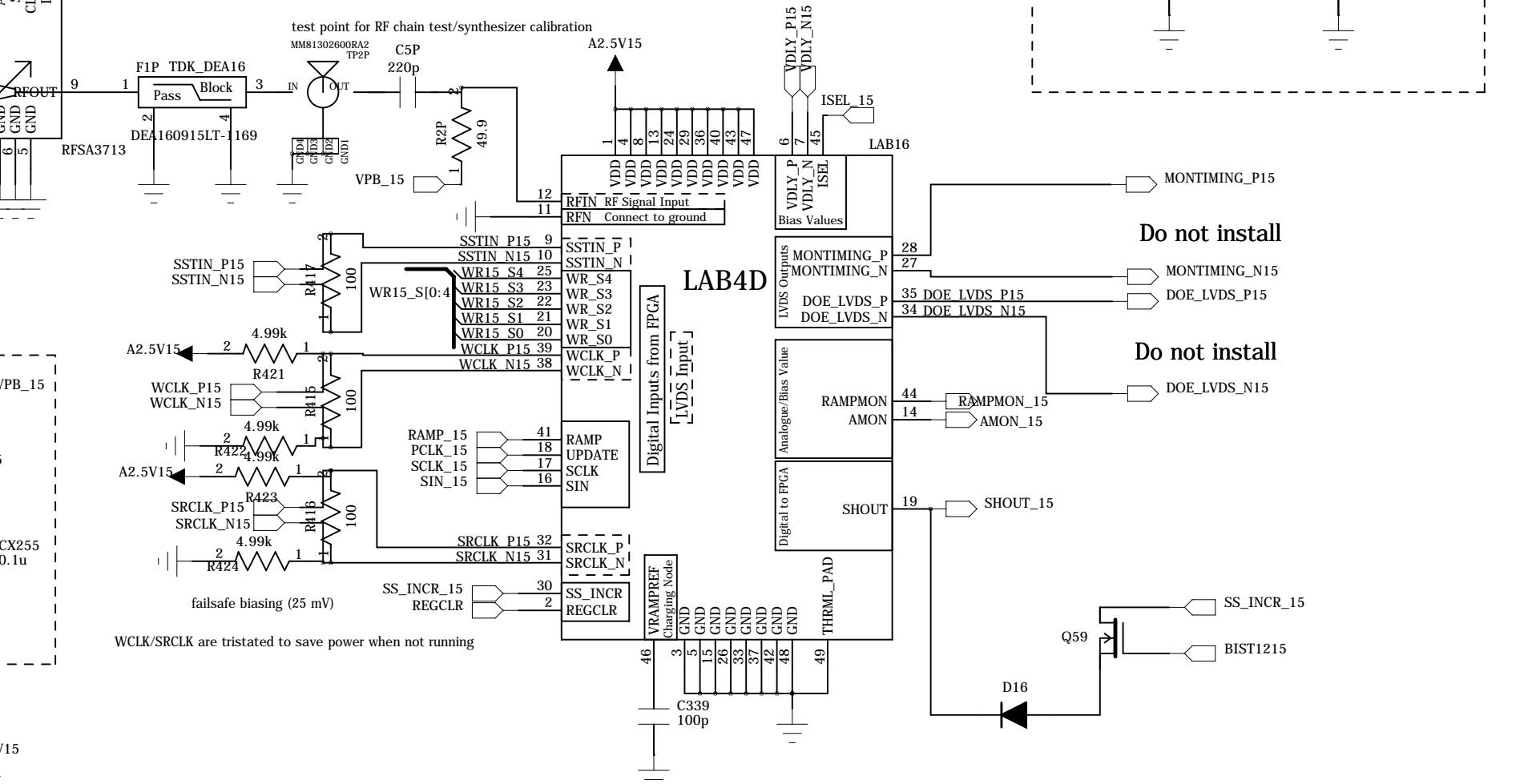
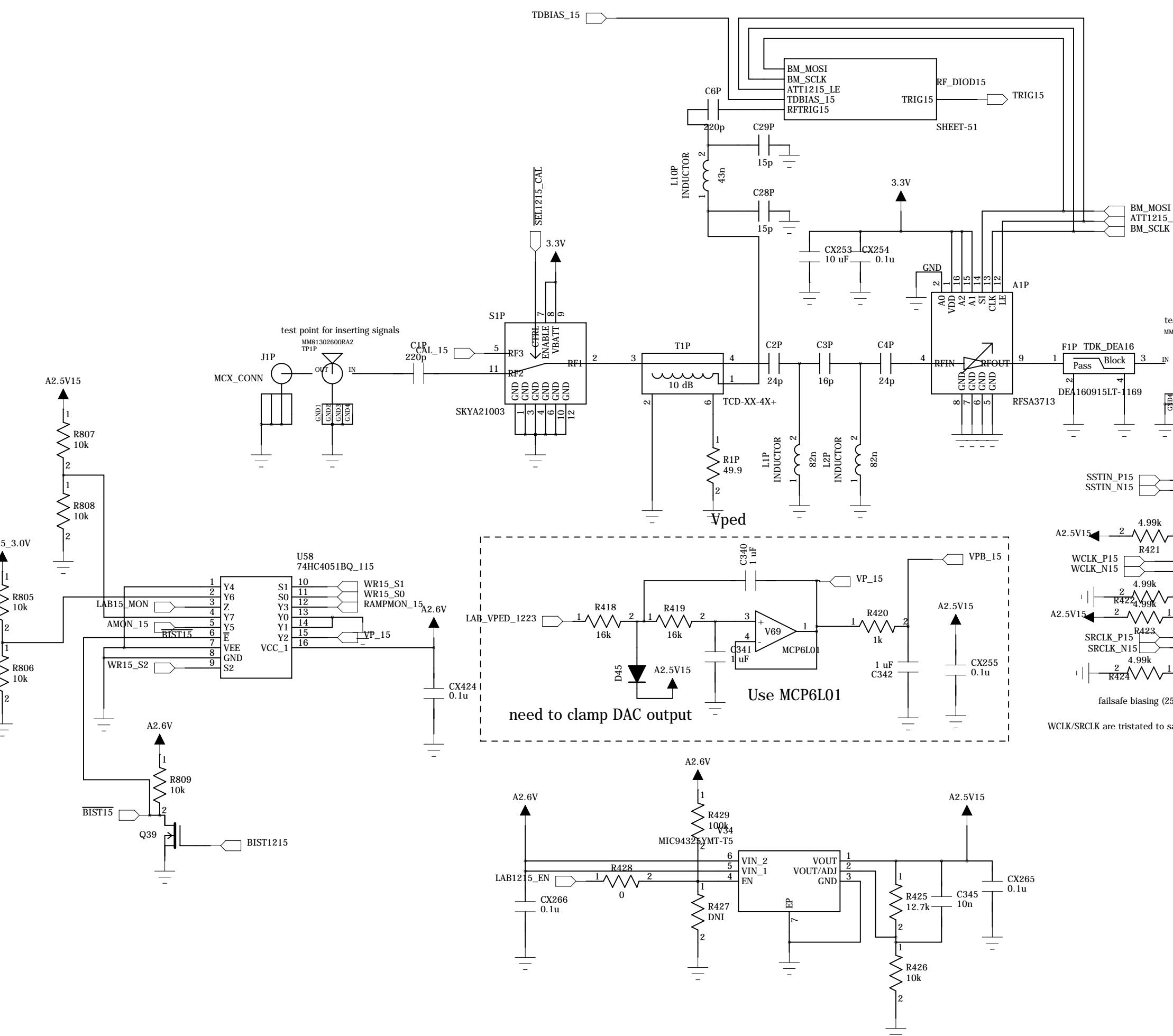
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COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL15		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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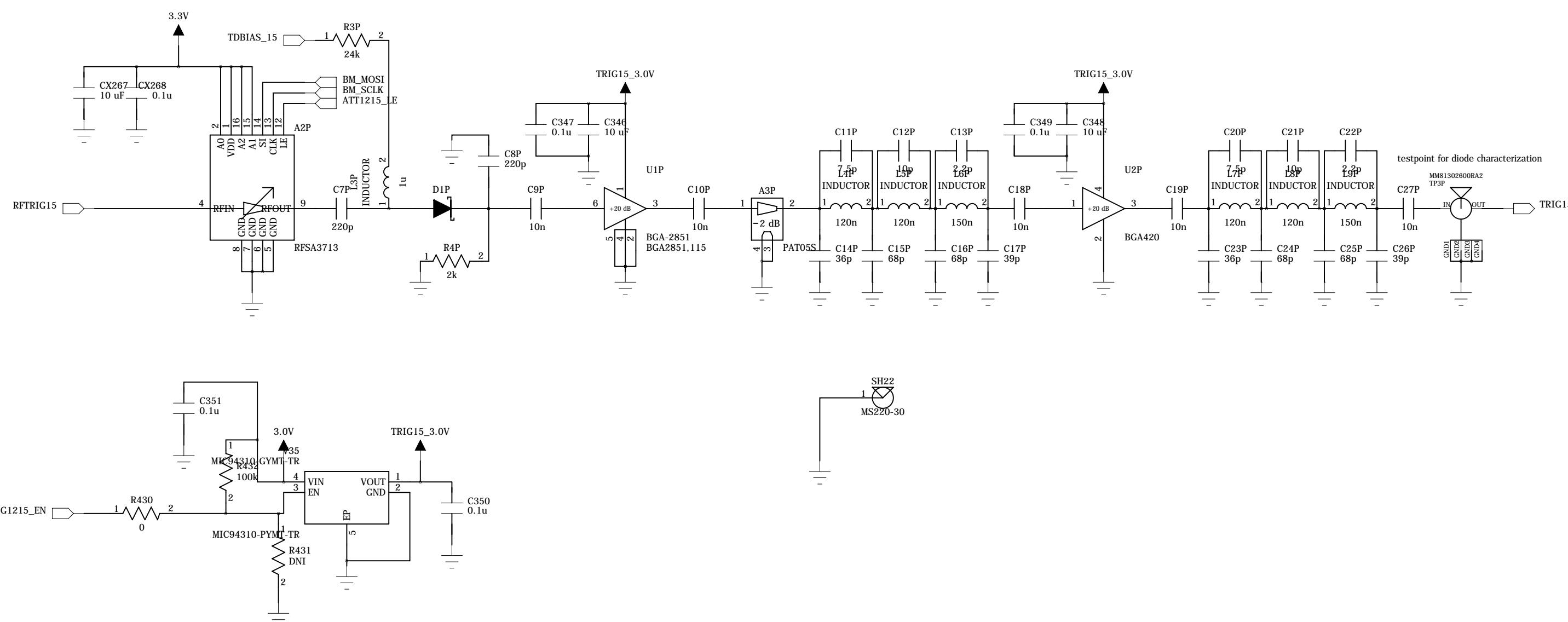
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COMPANY:	Ohio State University		
SHEET:	RF_DIOD15		
DRAWN:	PSA	DATED:	1/22/20
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REV:	A		
SCALE:	<Scale>		Sheet: 51 74

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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

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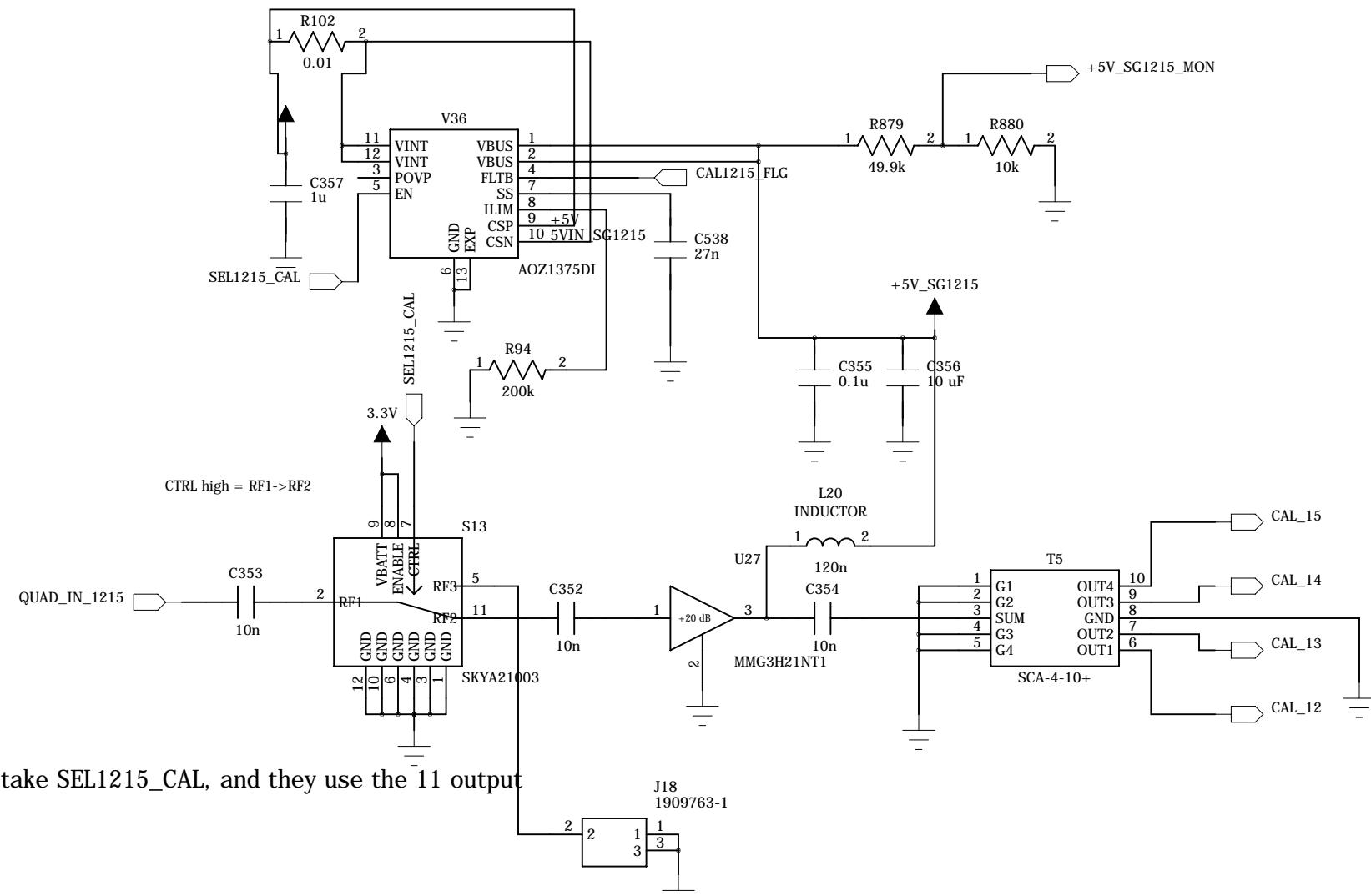
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Quad 3/4/5 take SEL1215_CAL, and they use the -11 output

COMPANY:	Ohio State University		
SHEET:	QUAD_SIG_GENERATOR 3		
CODE:	SIZE:	DESIGN	REV:
4	C	RADIANT	A
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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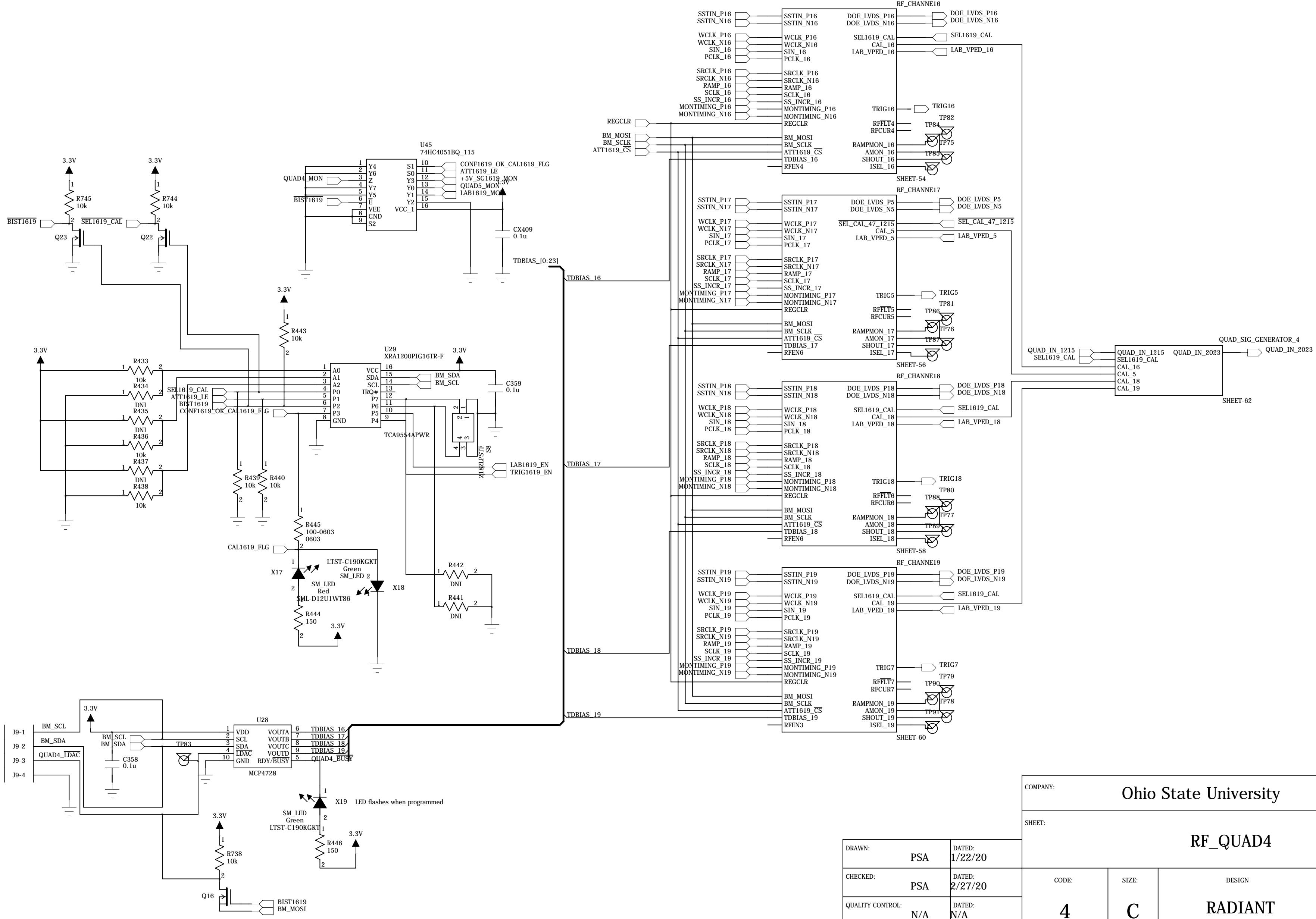
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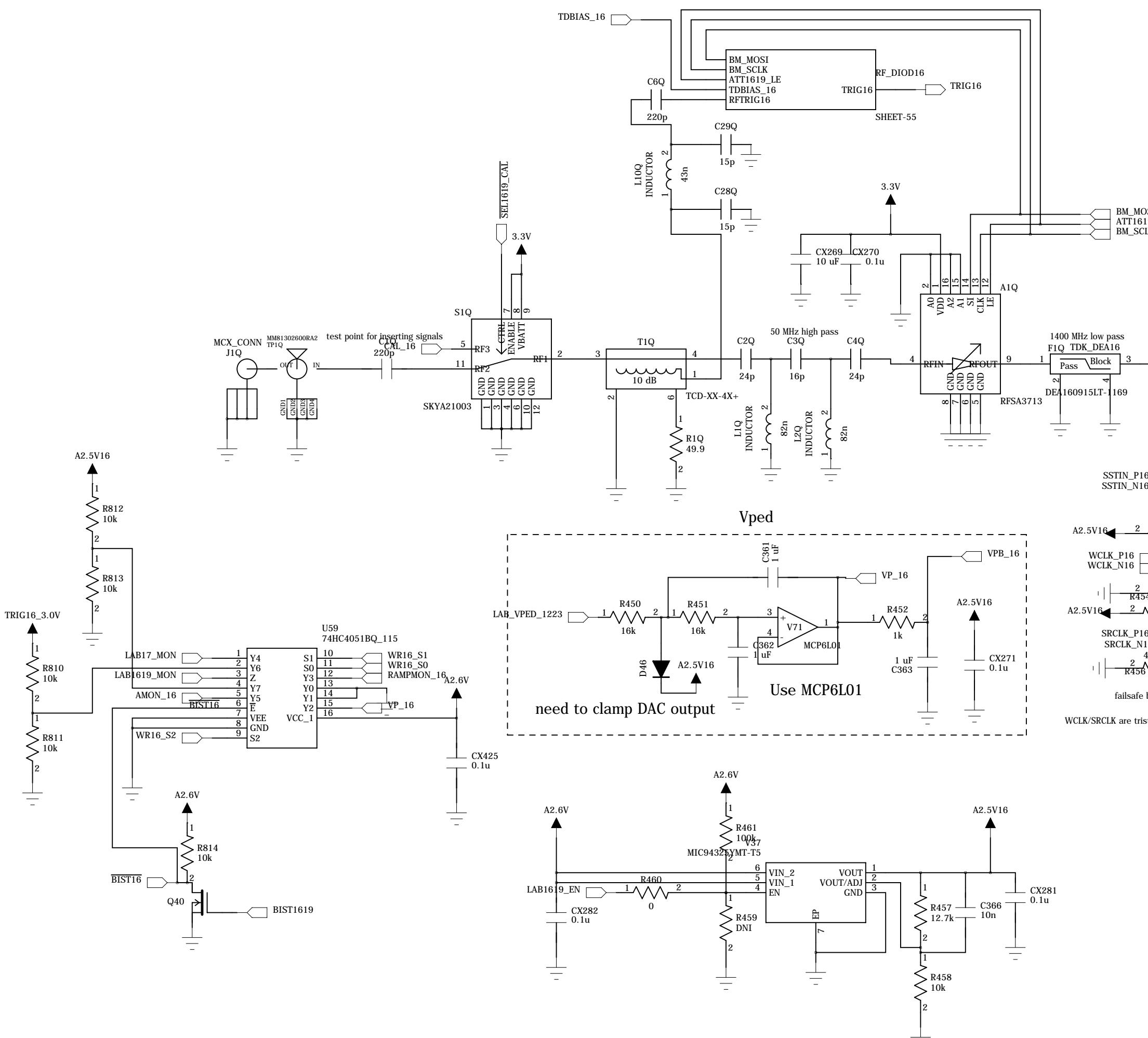


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SHEET:	RF_QUAD4		
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CHECKED:	PSA	DATED:	2/27/20
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors



COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL16		
DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
QUALITY CONTROL:	N/A	DATED:	N/A
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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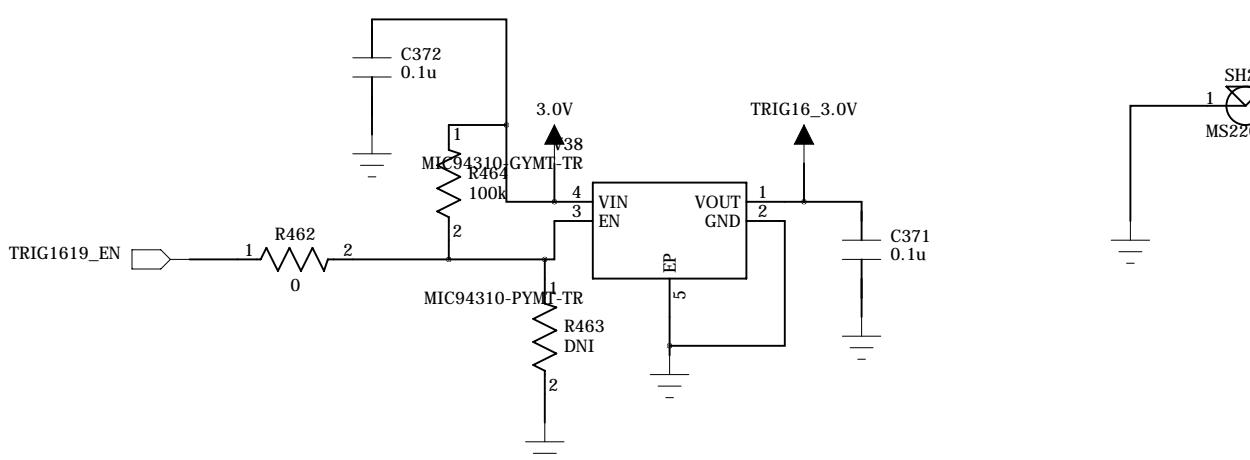
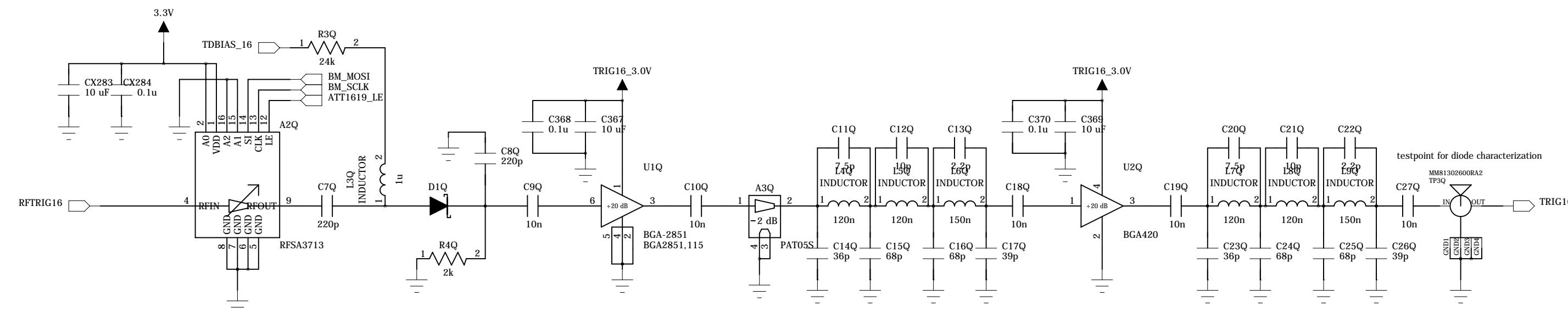
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COMPANY:	Ohio State University		
SHEET:	RF_DIOD16		
DRAWN:	PSA	DATED:	1/22/20
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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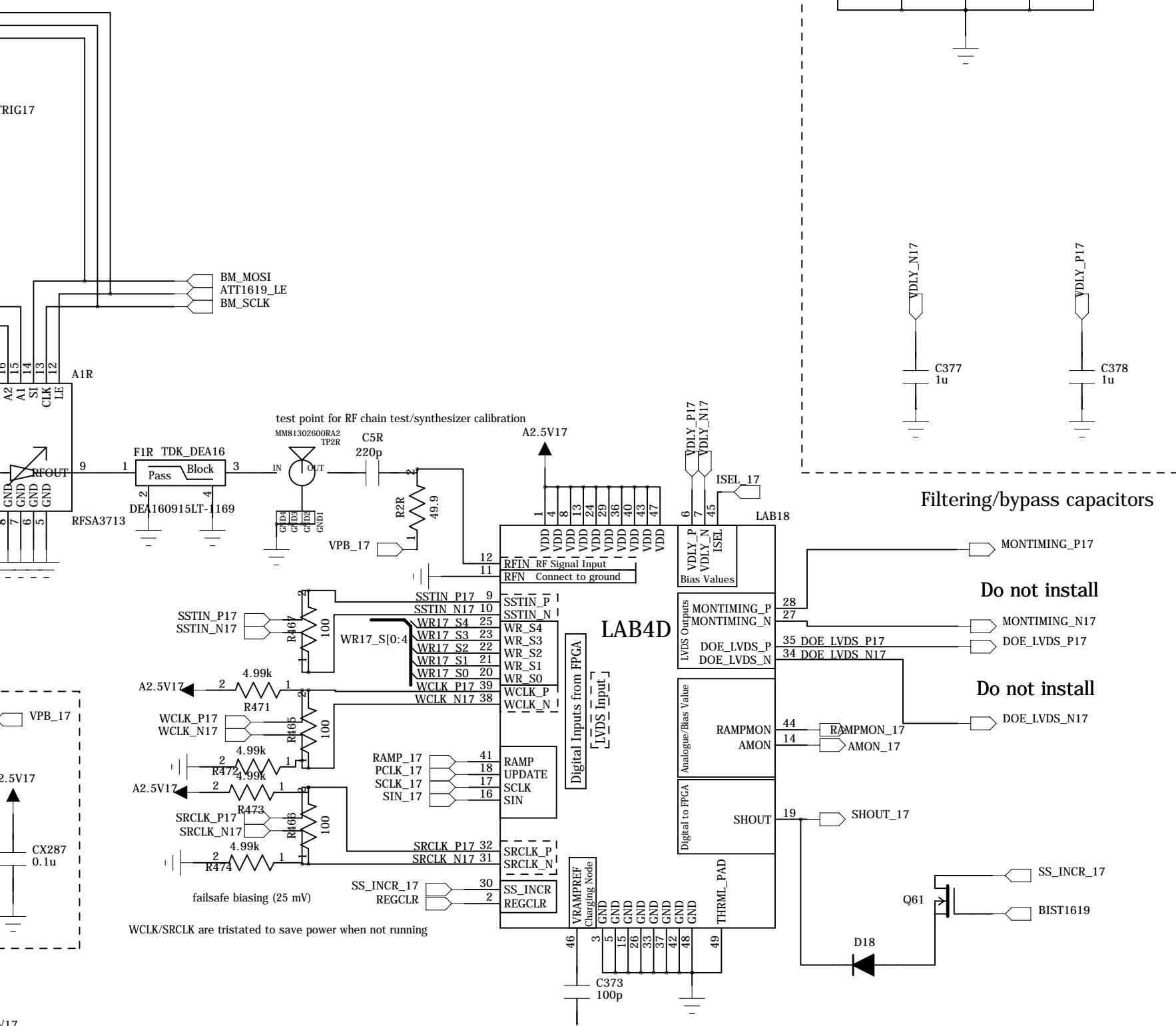
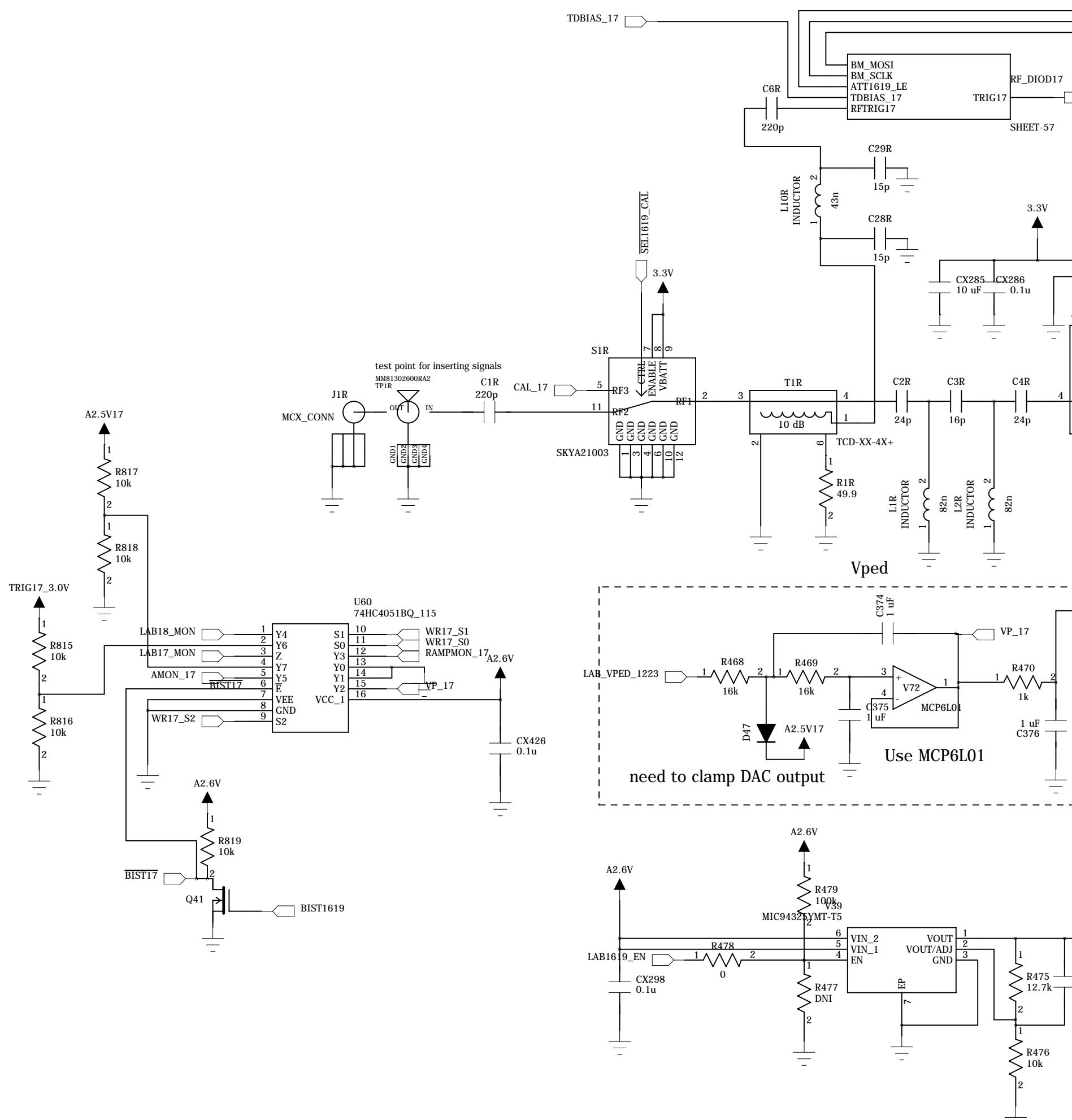
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COMPANY:	Ohio State University		
SHEET:	RF_CHANNEL17		
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CHECKED:	PSA	DATED:	2/27/20
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REVISION RECORD

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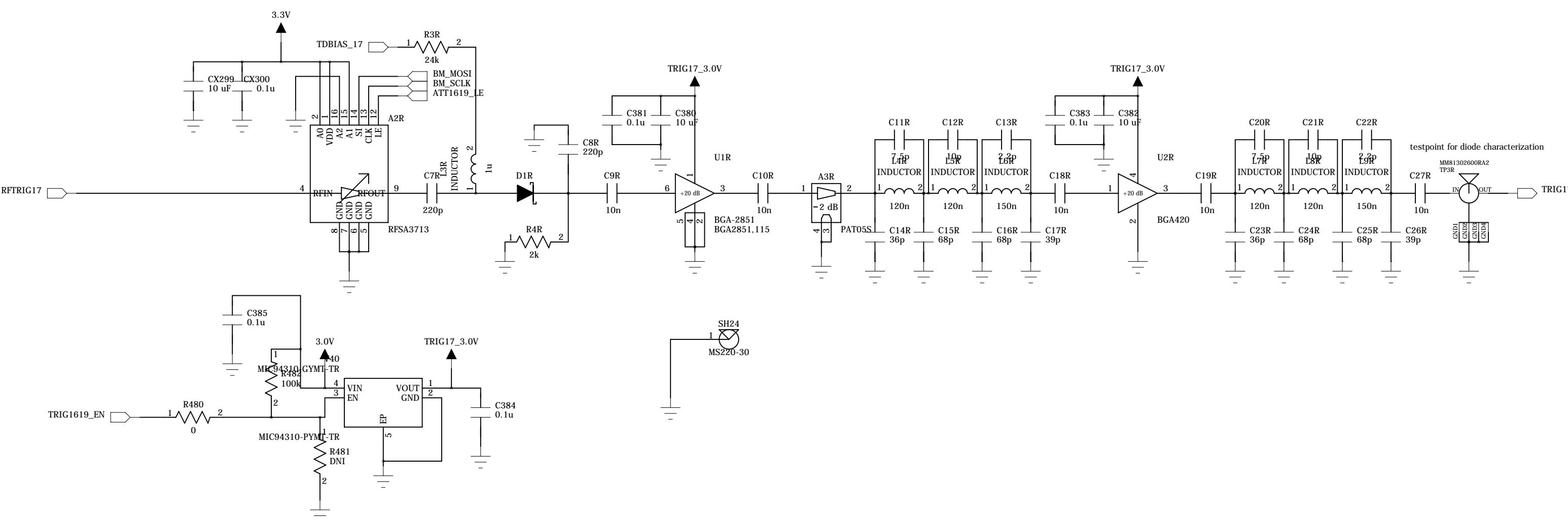
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COMPANY:	Ohio State University		
SHEET:	RF_DIOD17		
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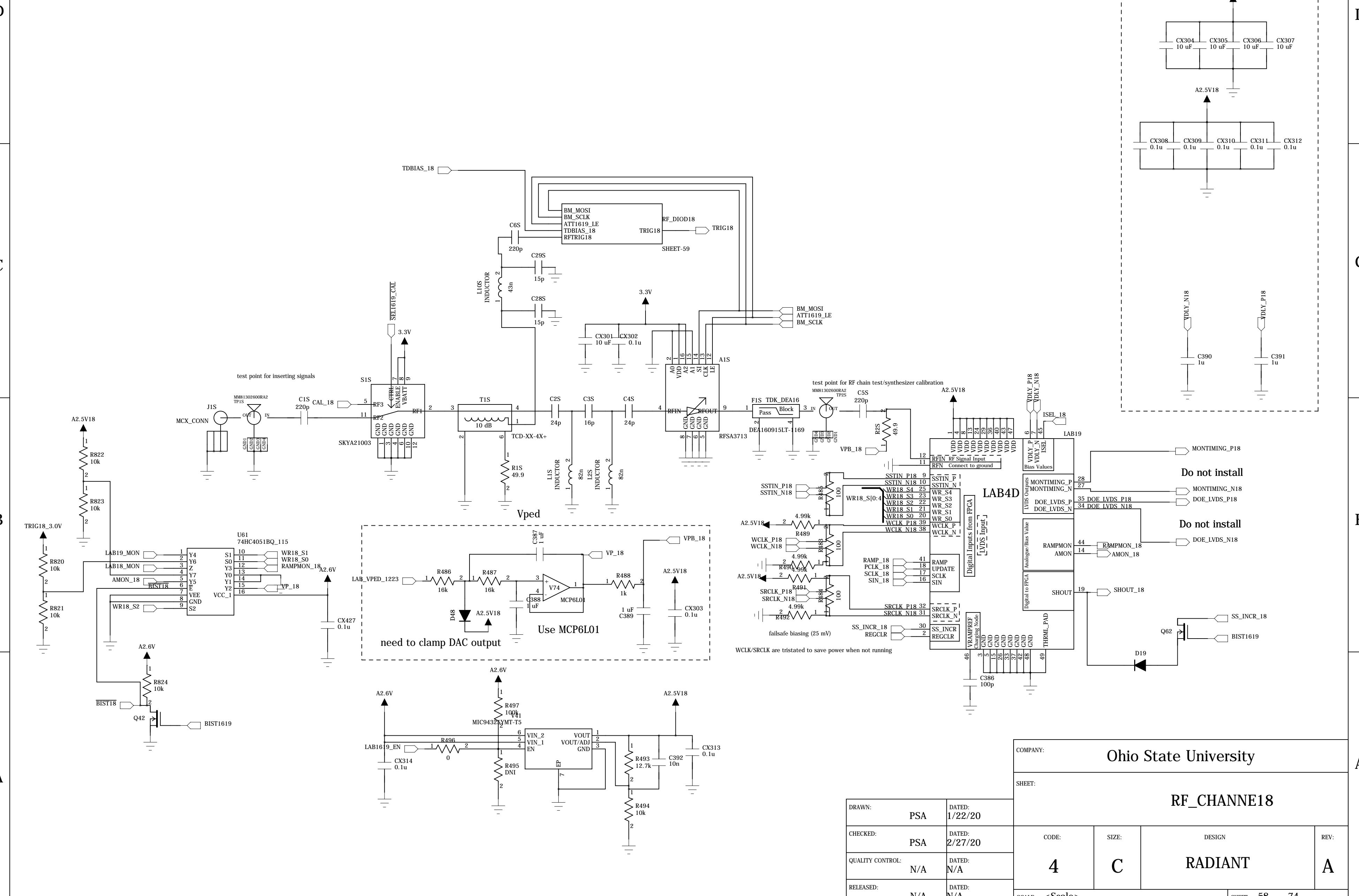
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ECO NO:	APPROVED:	DATE:
ng/bypass capacitors		



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REVISION RECORD

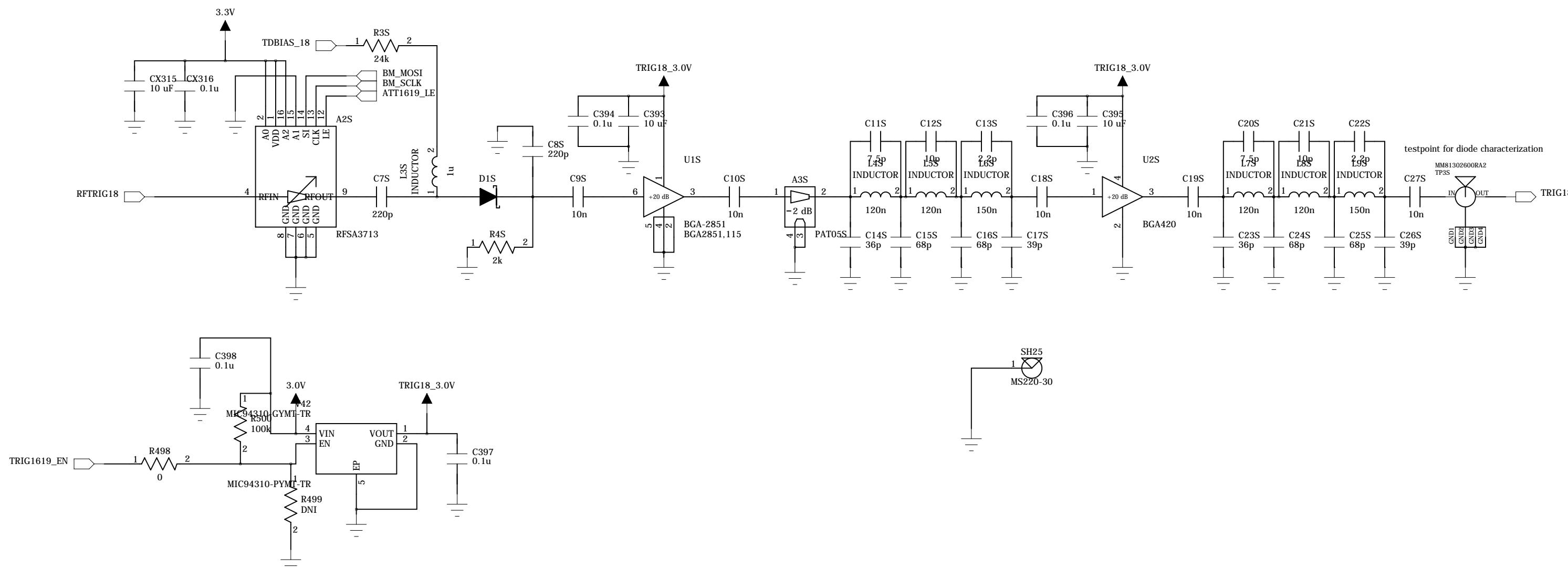
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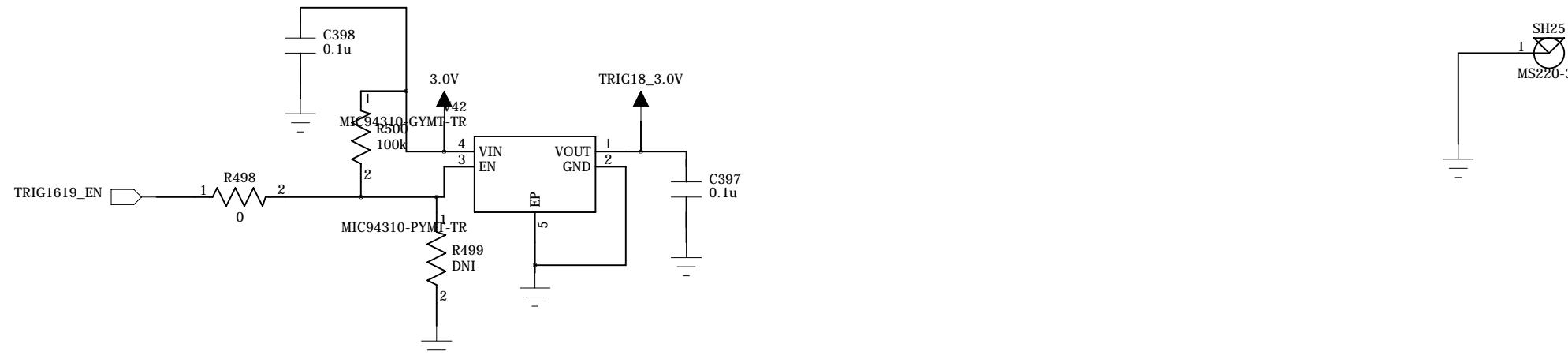
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COMPANY:	Ohio State University		
SHEET:	RF_DIOD18		
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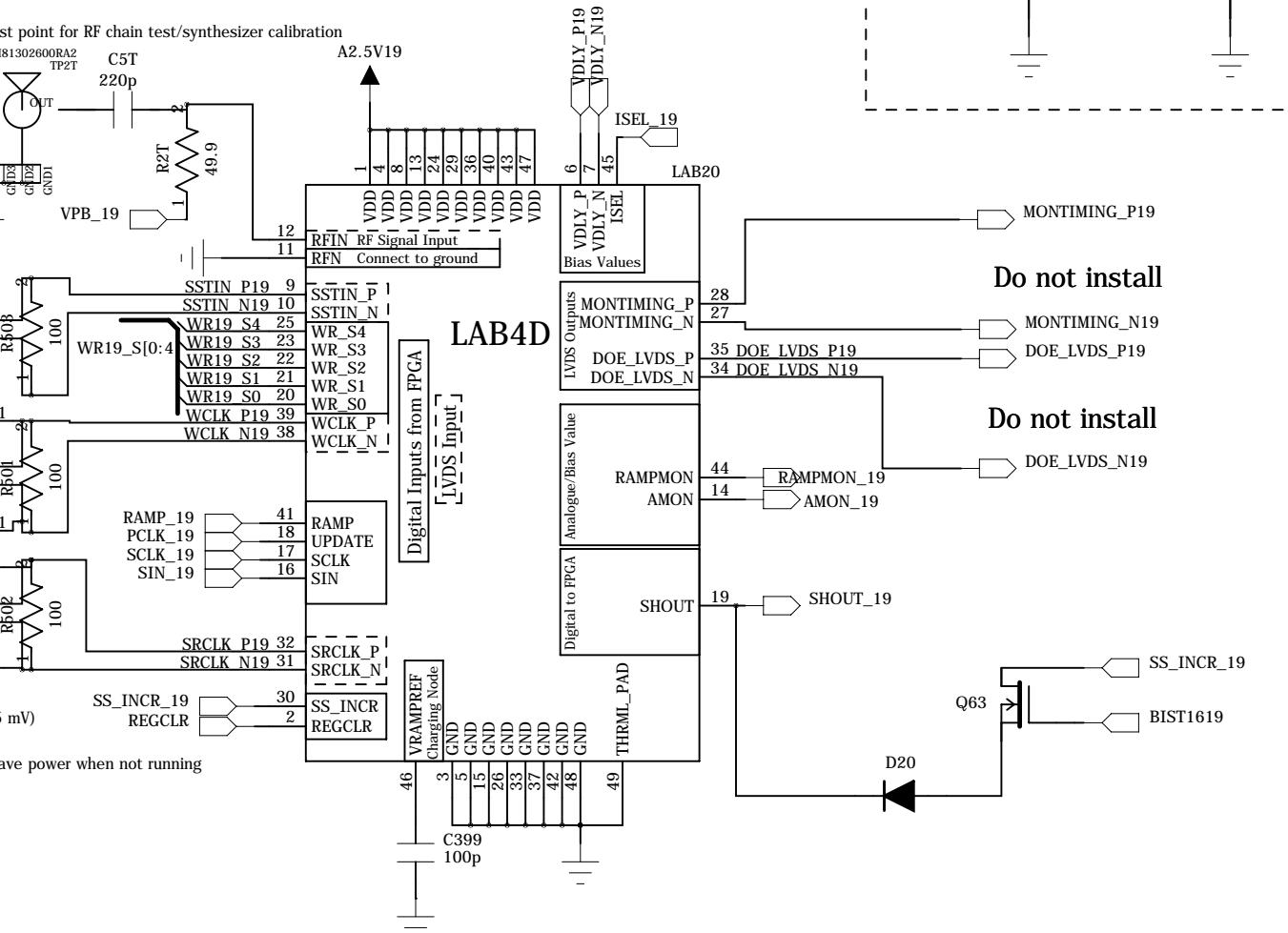
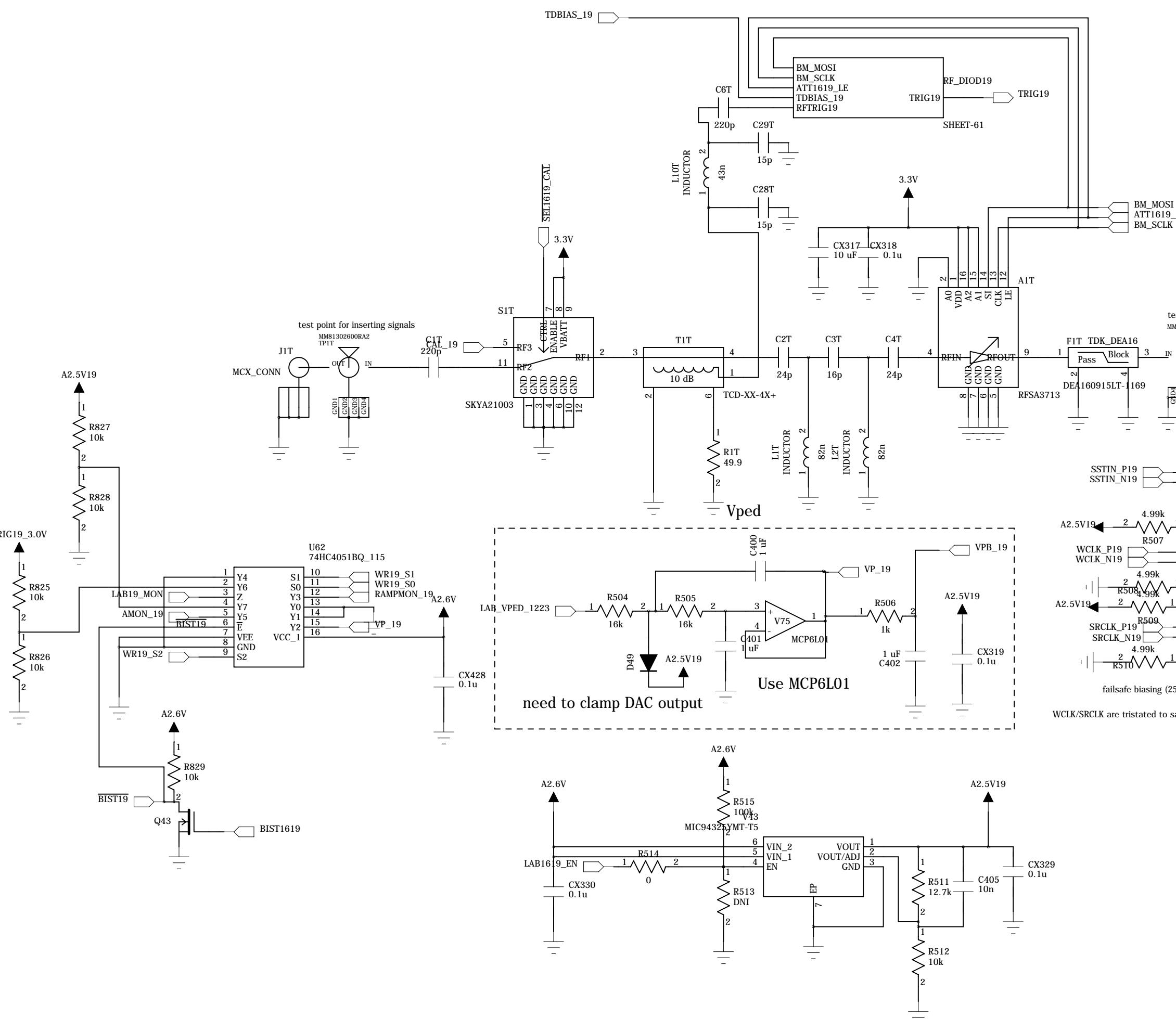
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REVISION RECORD		
ECO NO:	APPROVED:	DATE:
er ring/bypass capacitors		



COMPANY:	Ohio State University		
SHEET:	RF_CHANNE19		
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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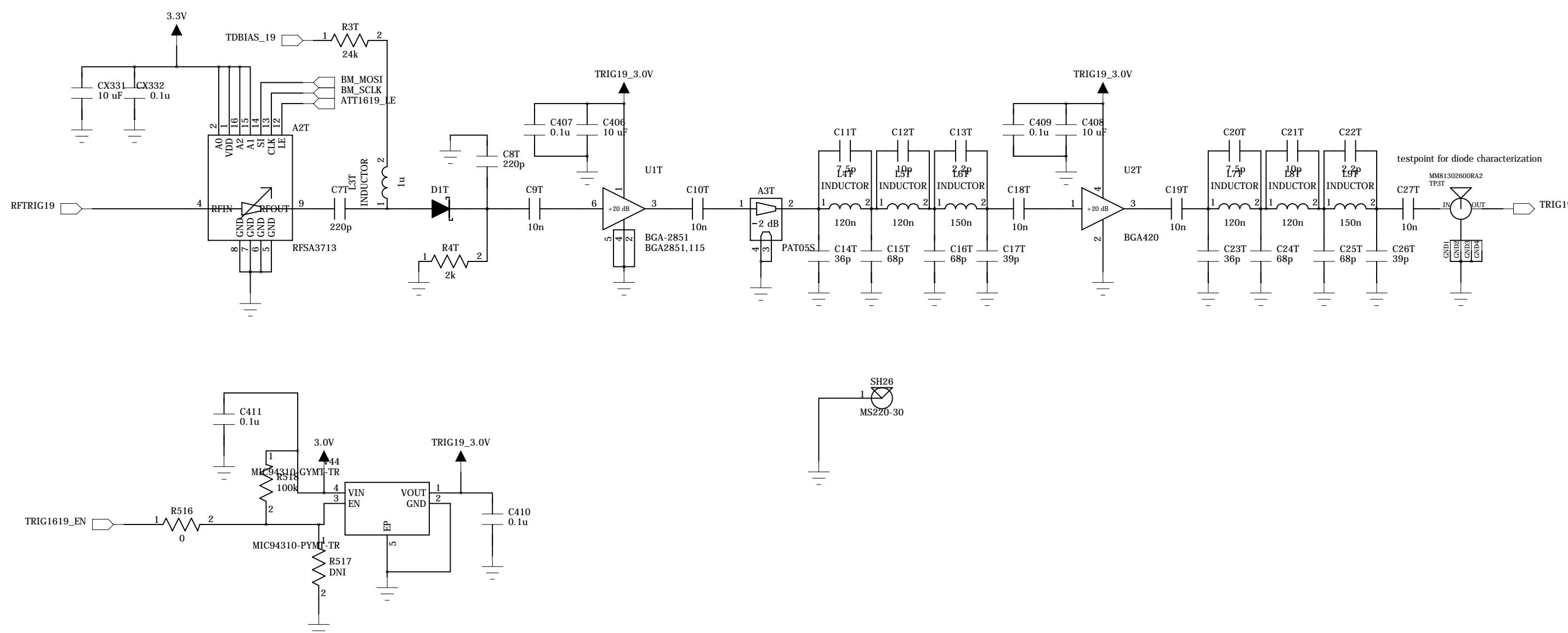
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COMPANY:

Ohio State University

SHEET:

RF_DIOD19

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RELEASED:	N/A	DATED: N/A				

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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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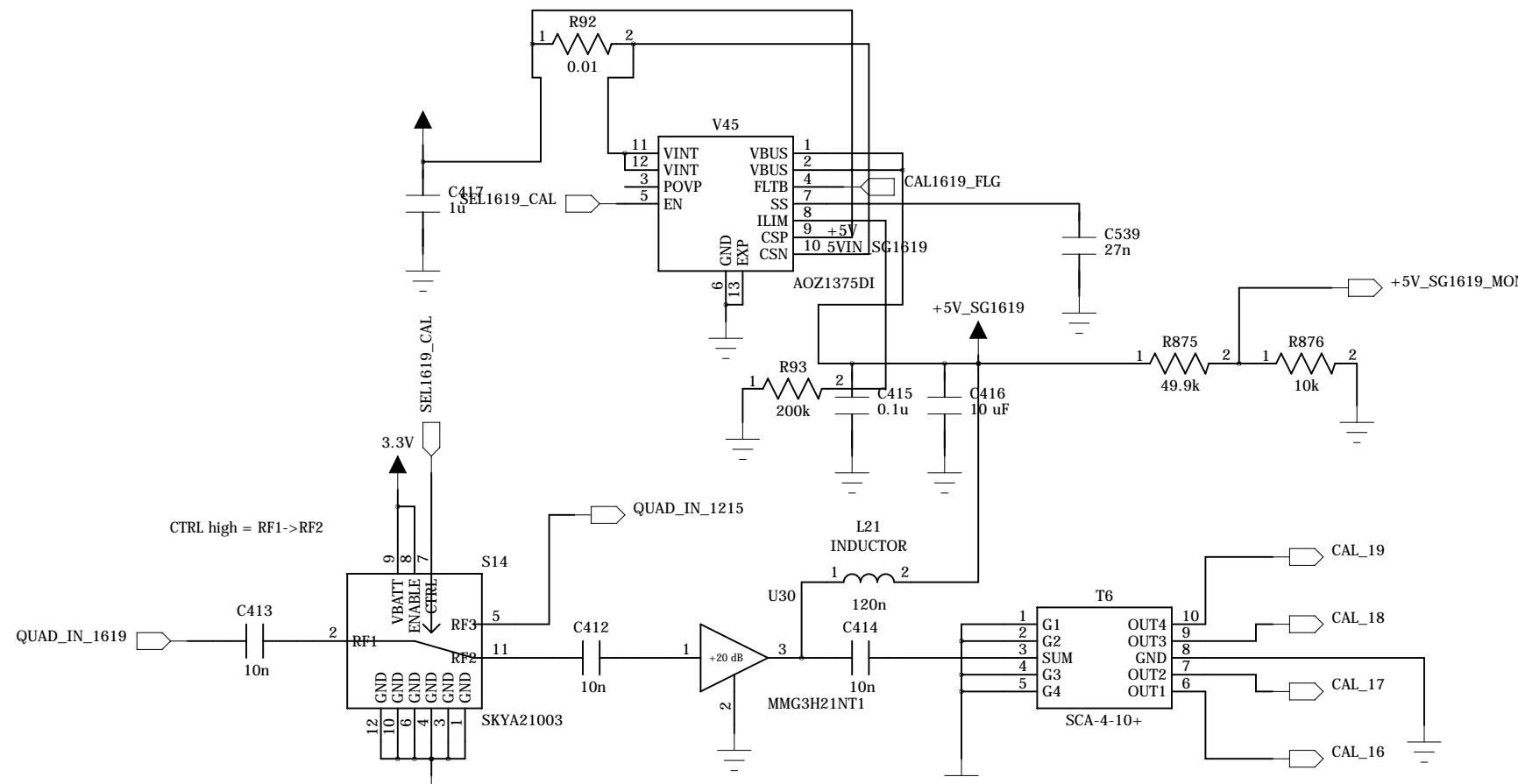
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COMPANY:		Ohio State University		
SHEET:		QUAD_SIG_GENERATOR		
DRAWN:	PSA	DATED:	1/22/20	
CHECKED:	PSA	DATED:	2/27/20	
QUALITY CONTROL:	N/A	DATED:	N/A	
RELEASED:	N/A	DATED:	N/A	
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REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

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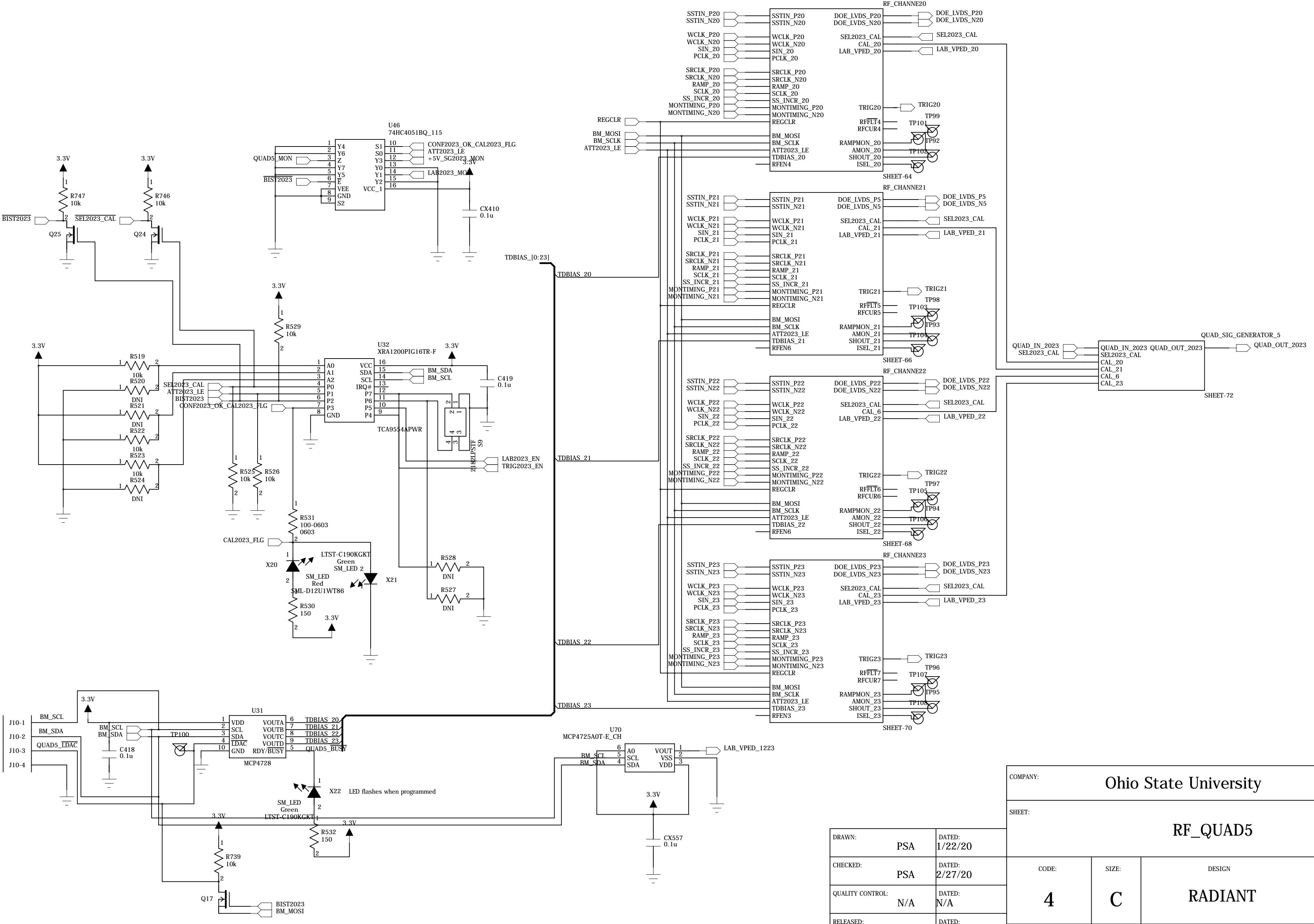
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COMPANY:	Ohio State University		
SHEET:	RF_QUAD5		
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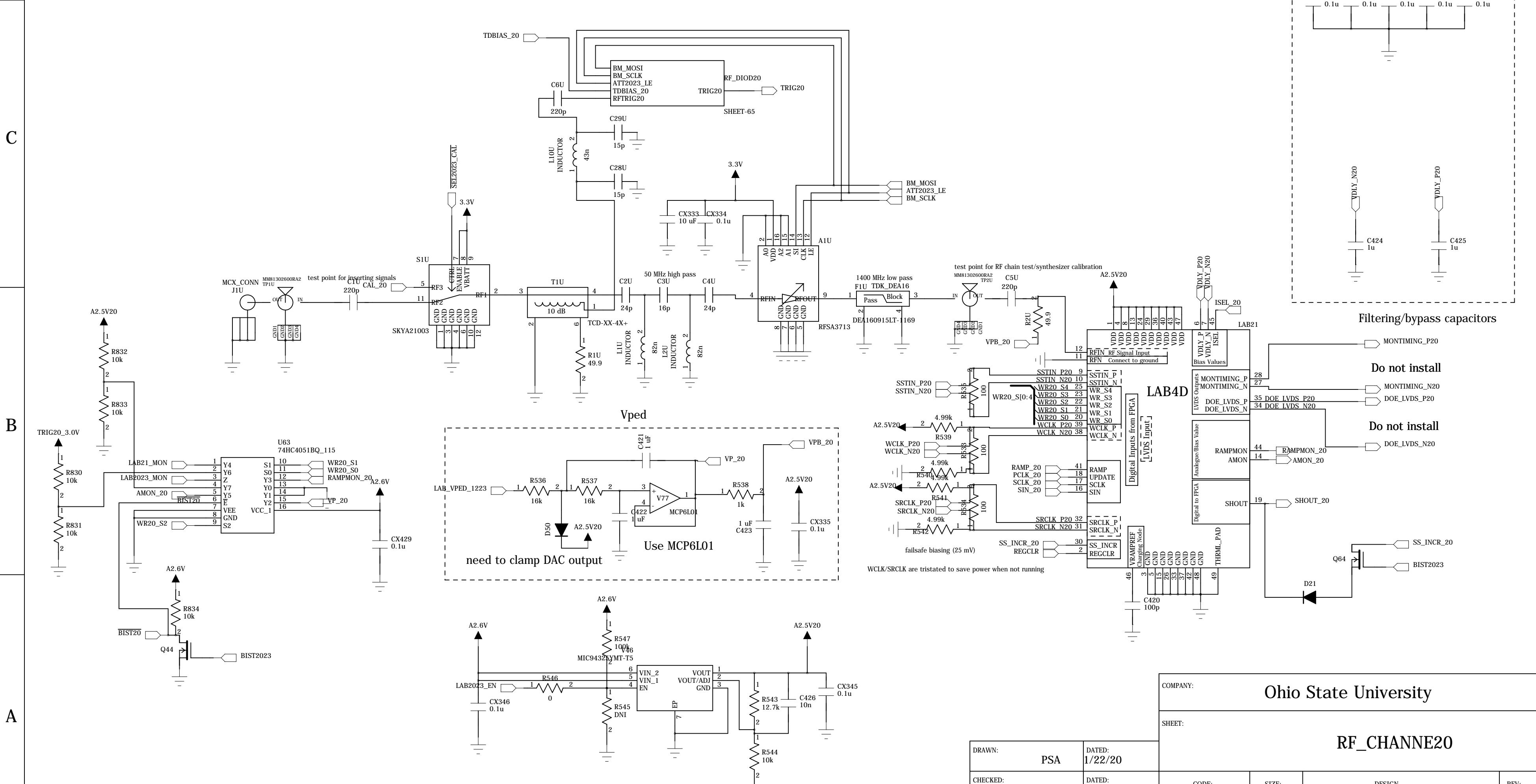
REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Filtering/bypass capacitors

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DRAWN: PSA DATED: 1/22/20
CHECKED: PSA DATED: 2/27/20
QUALITY CONTROL: N/A DATED: N/A
RELEASED: N/A DATED: N/A

COMPANY: Ohio State University
SHEET: RF_CHANNEL20
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REVISION RECORD

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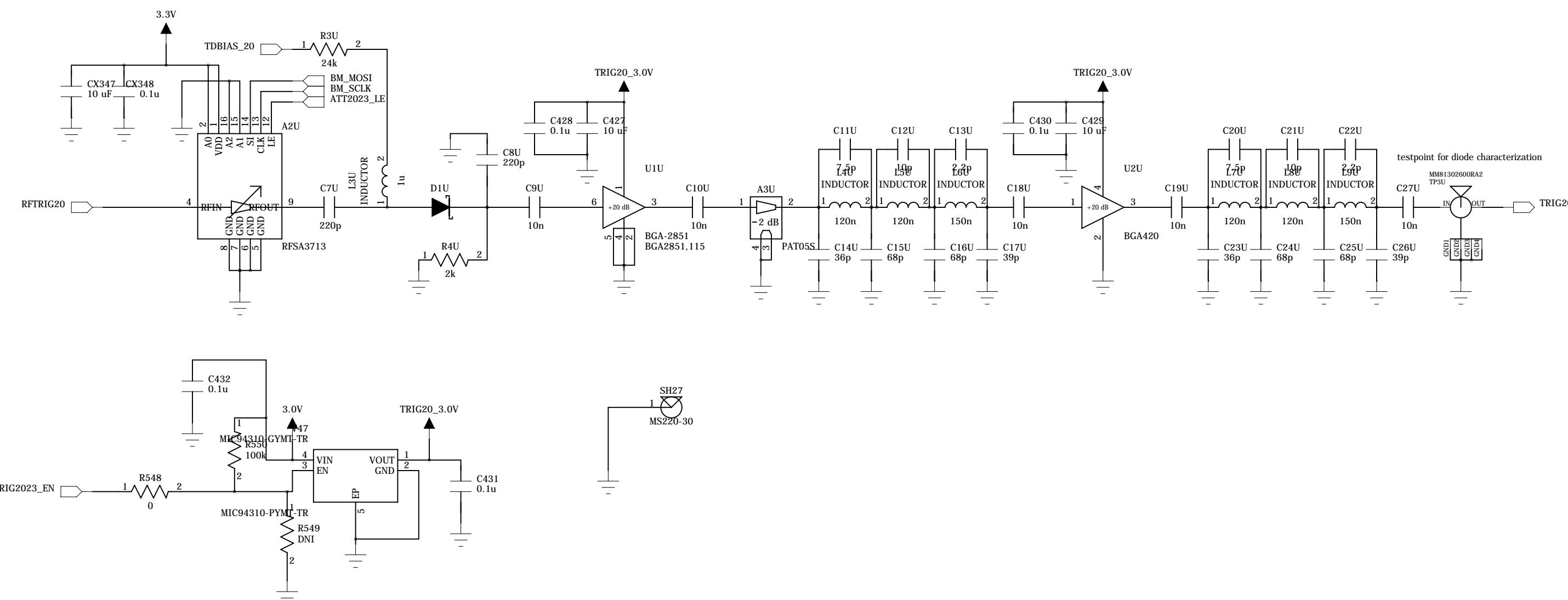
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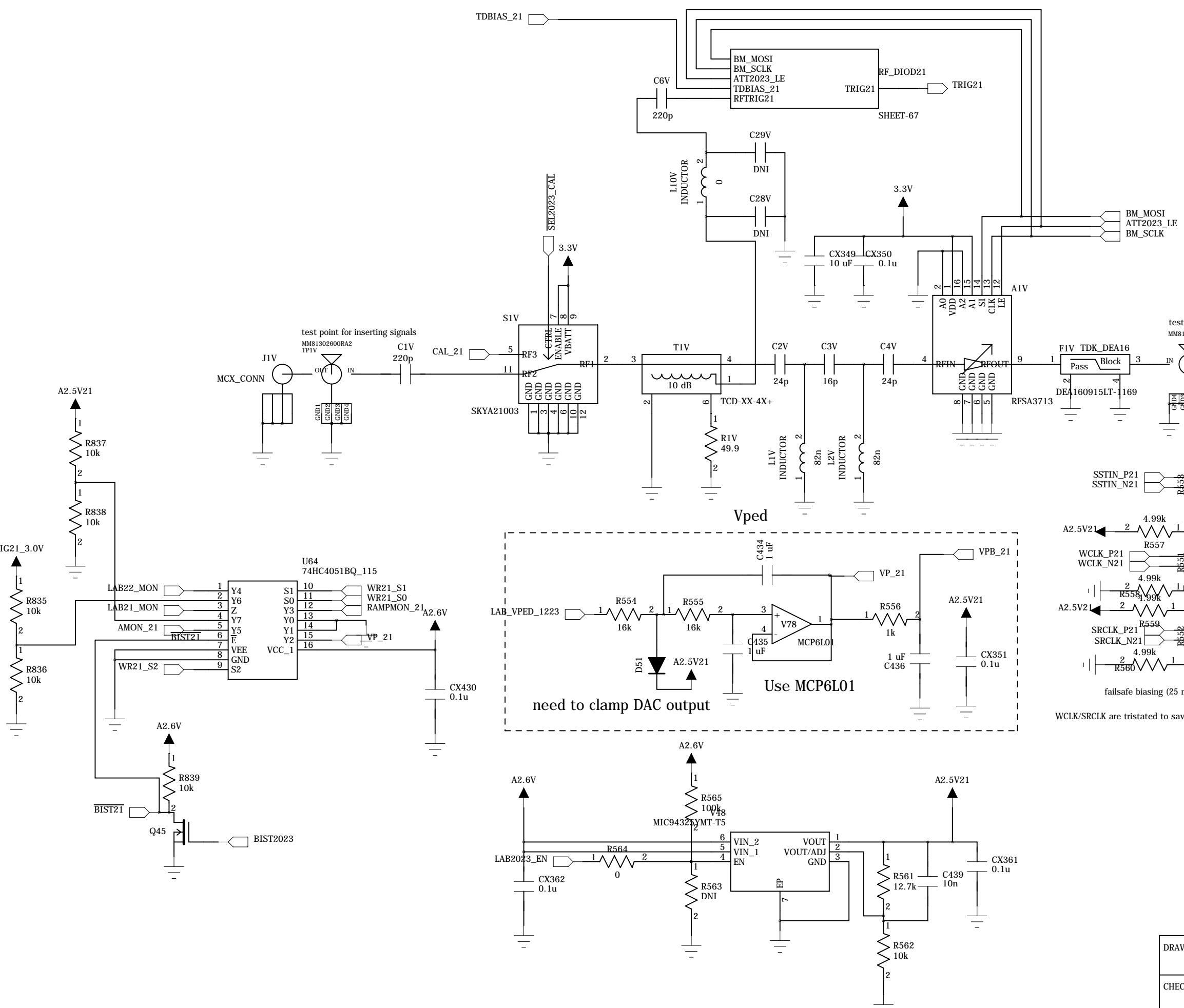


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REVISION RECORD

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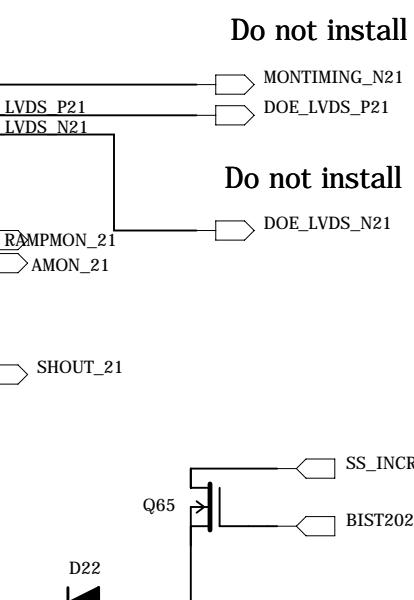
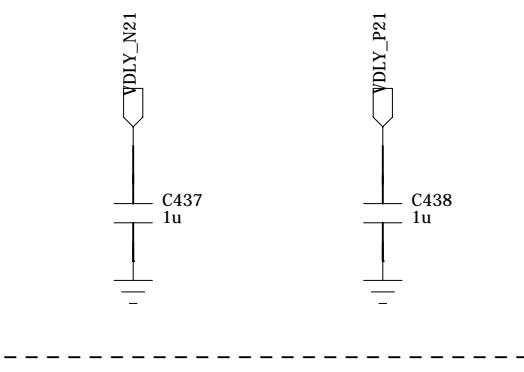
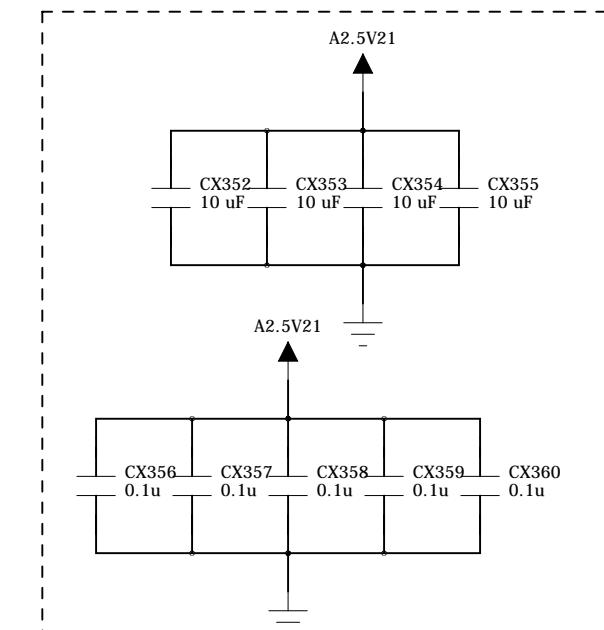
Filtering/bypass capacitors



DRAWN:	PSA	DATED:	1/22/20
CHECKED:	PSA	DATED:	2/27/20
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COMPANY: Ohio State University
SHEET: RF_CHANNEL21

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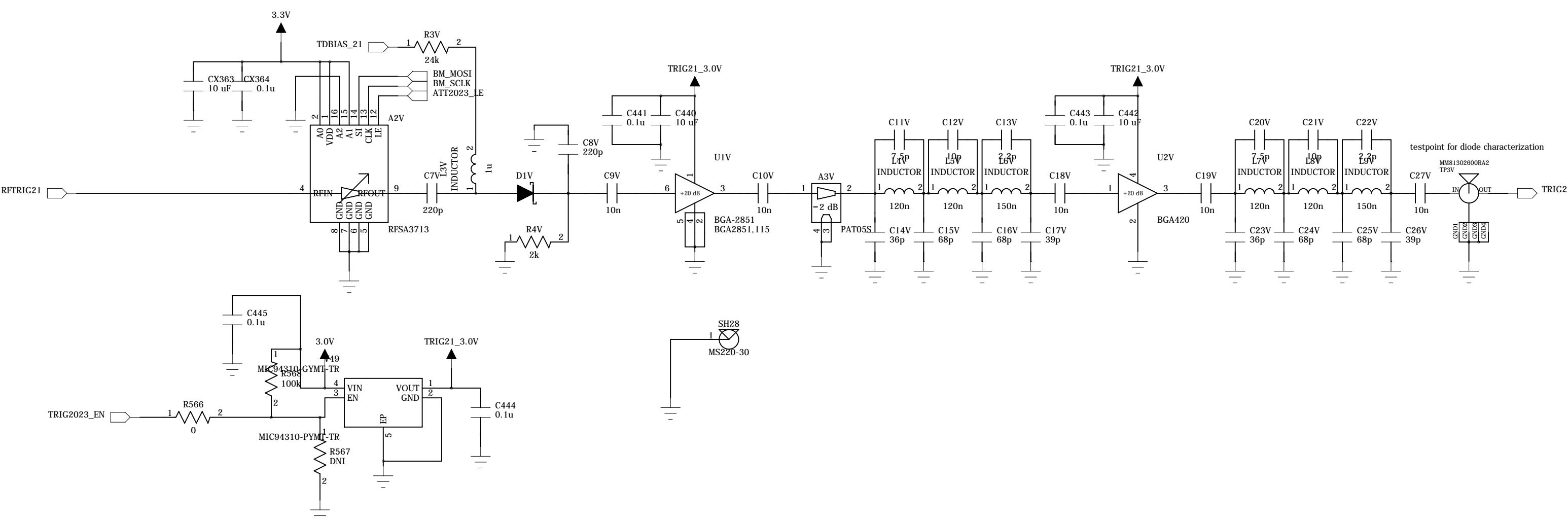
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COMPANY:	Ohio State University		
SHEET:	RF_DIOD21		
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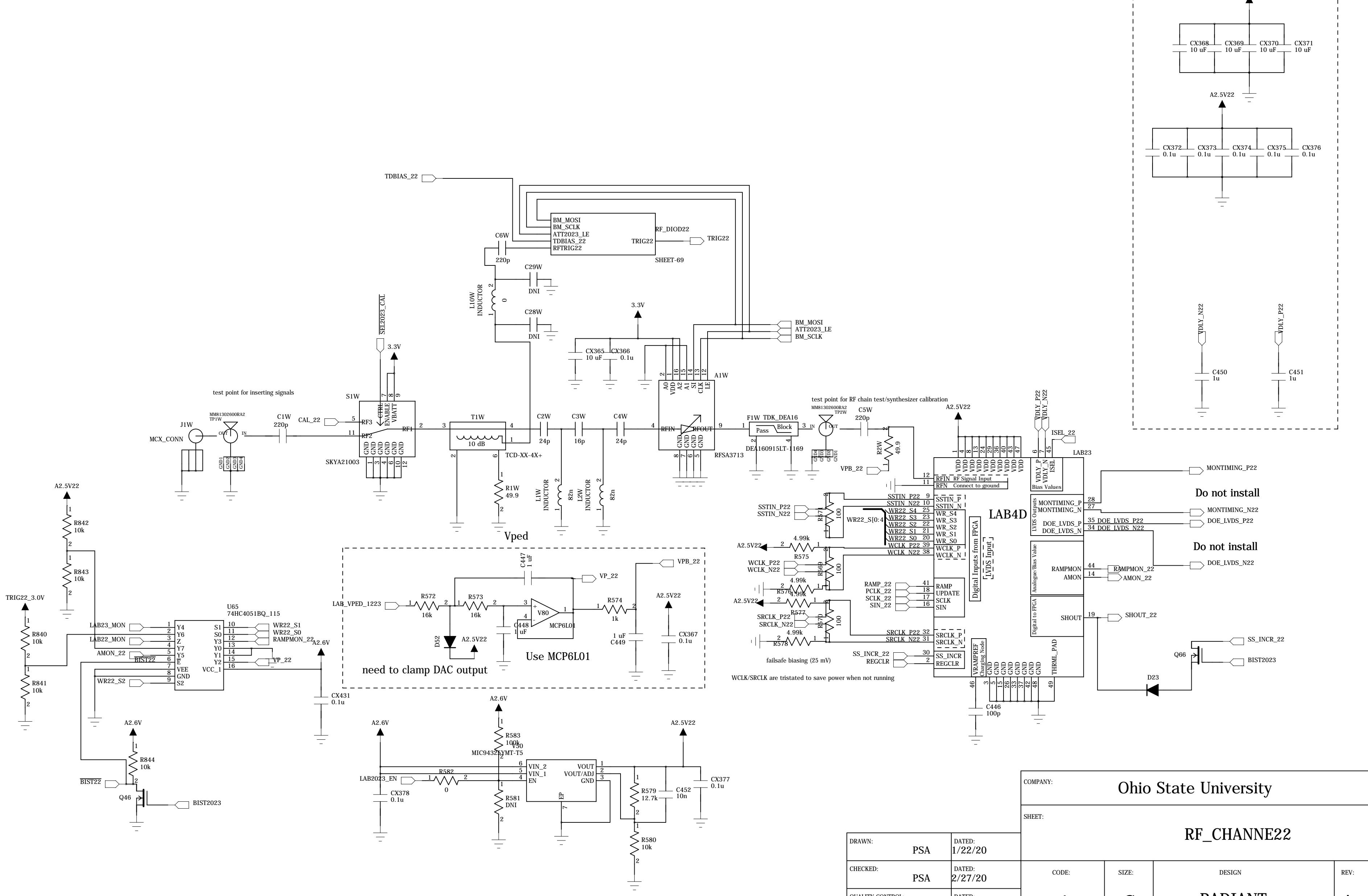
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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:
Filtering/bypass capacitors			



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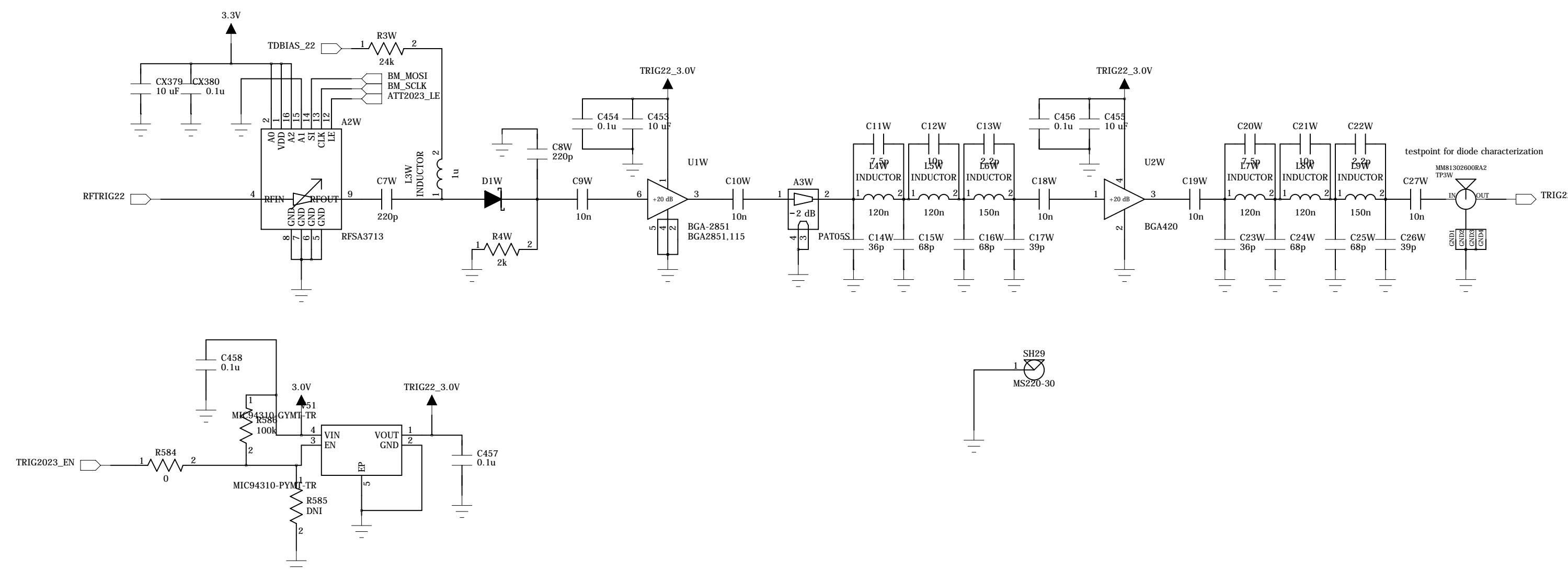
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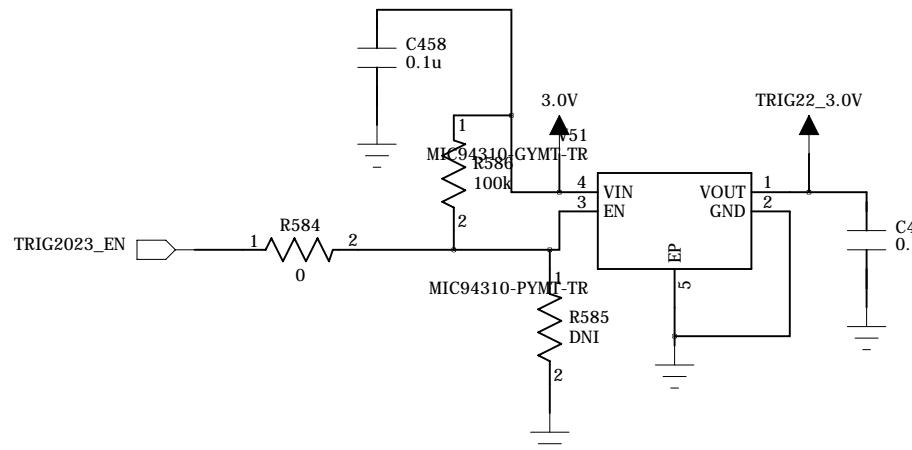
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COMPANY:	Ohio State University		
SHEET:	RF_DIOD22		
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CHECKED:	PSA	DATED:	2/27/20
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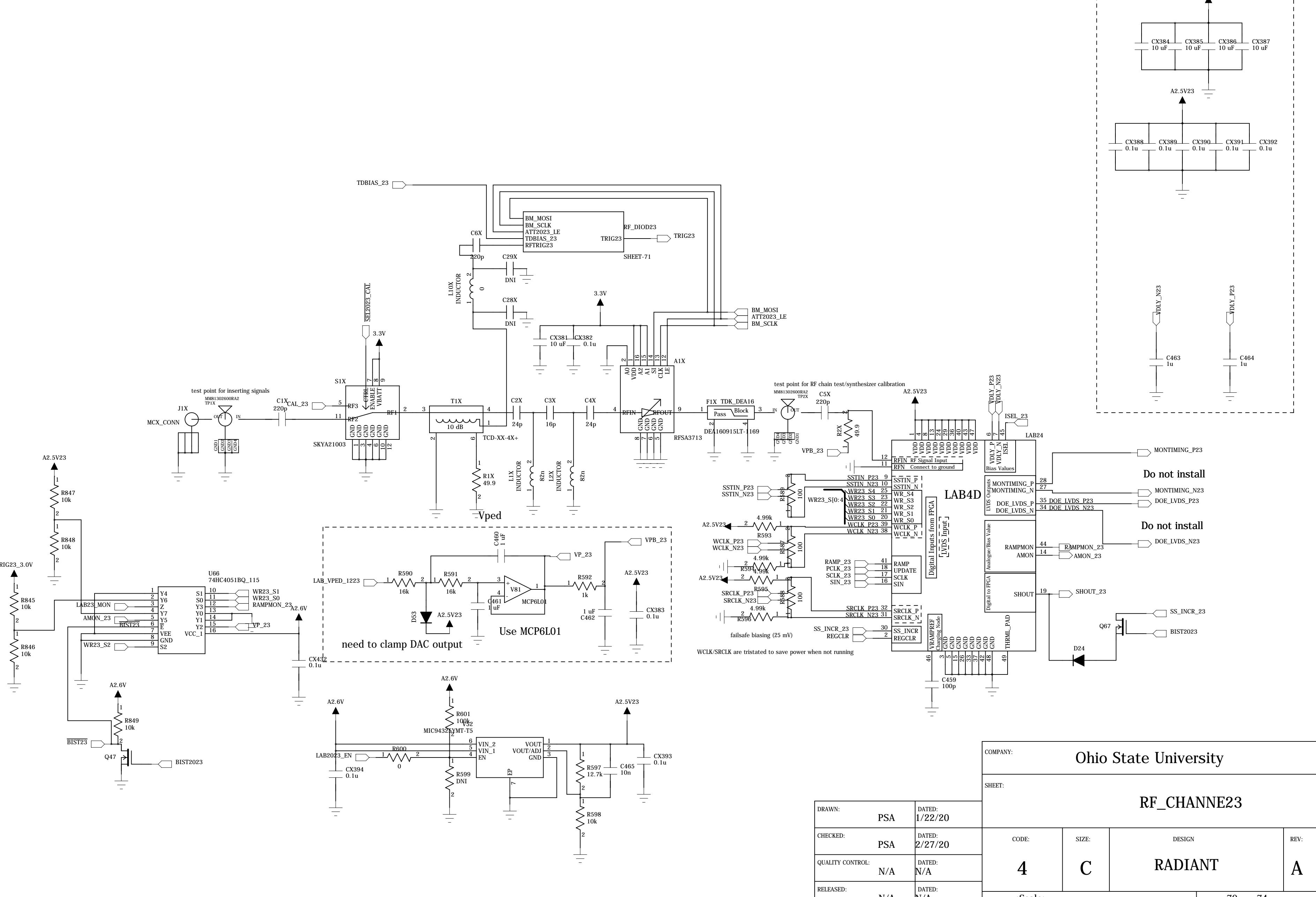
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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:
Filtering/bypass capacitors			



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REVISION RECORD

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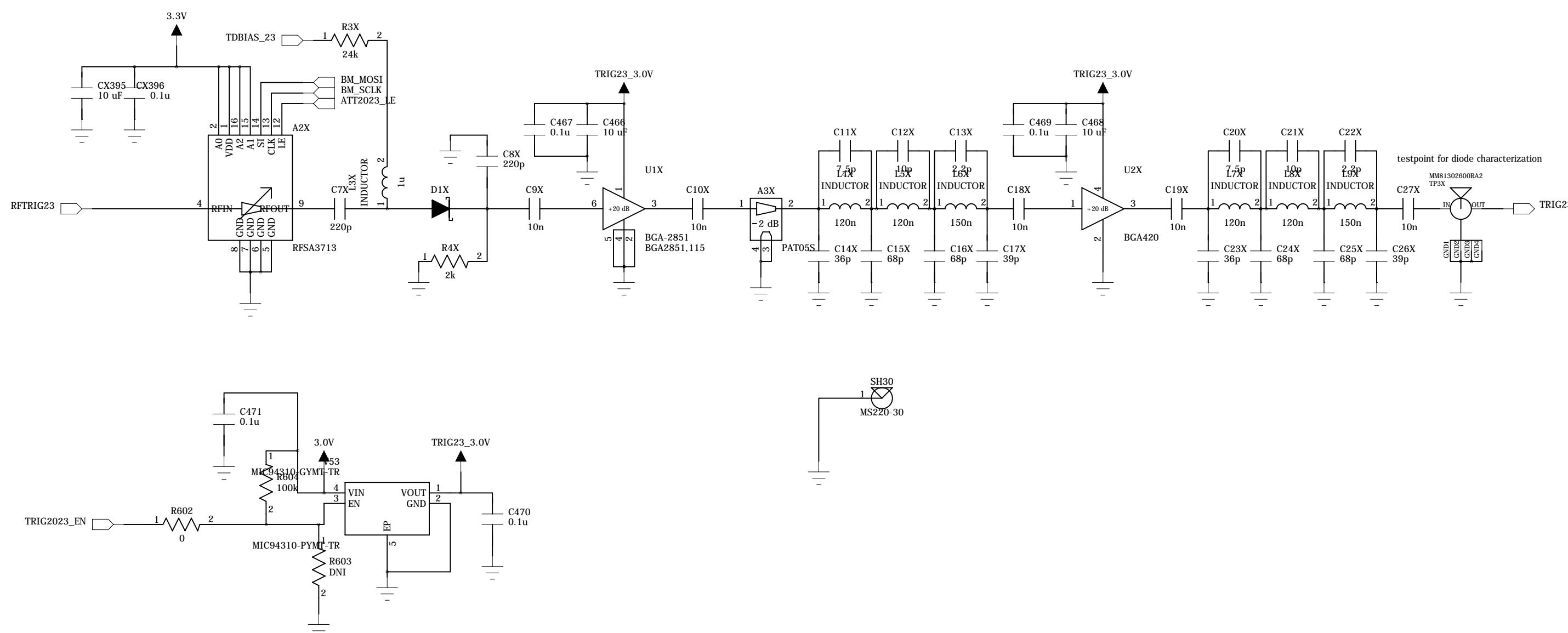
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COMPANY:

Ohio State University

SHEET:

RF_DIOD23

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SCALE: <Scale> SHEET: 71 74

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REVISION RECORD

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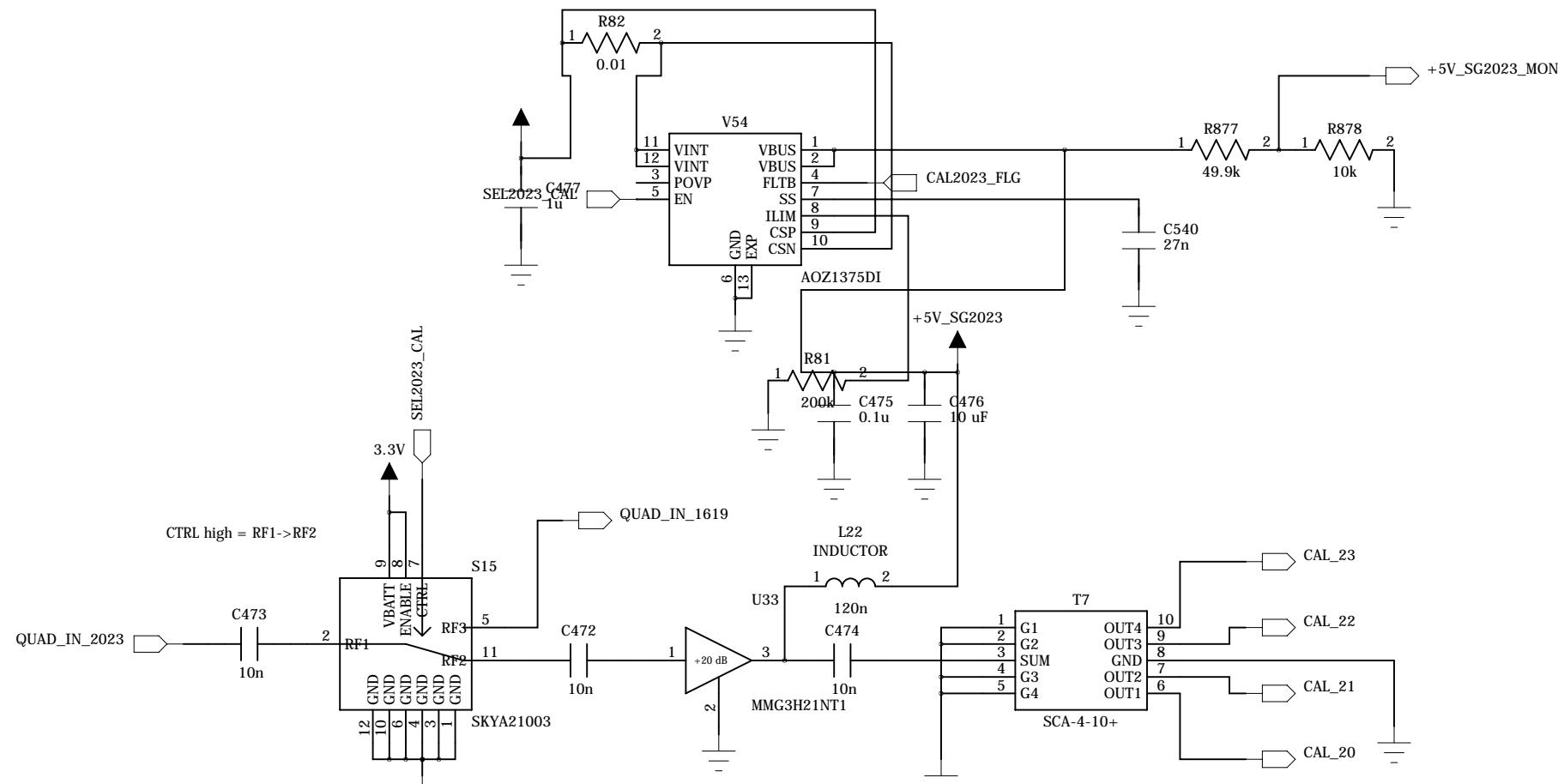
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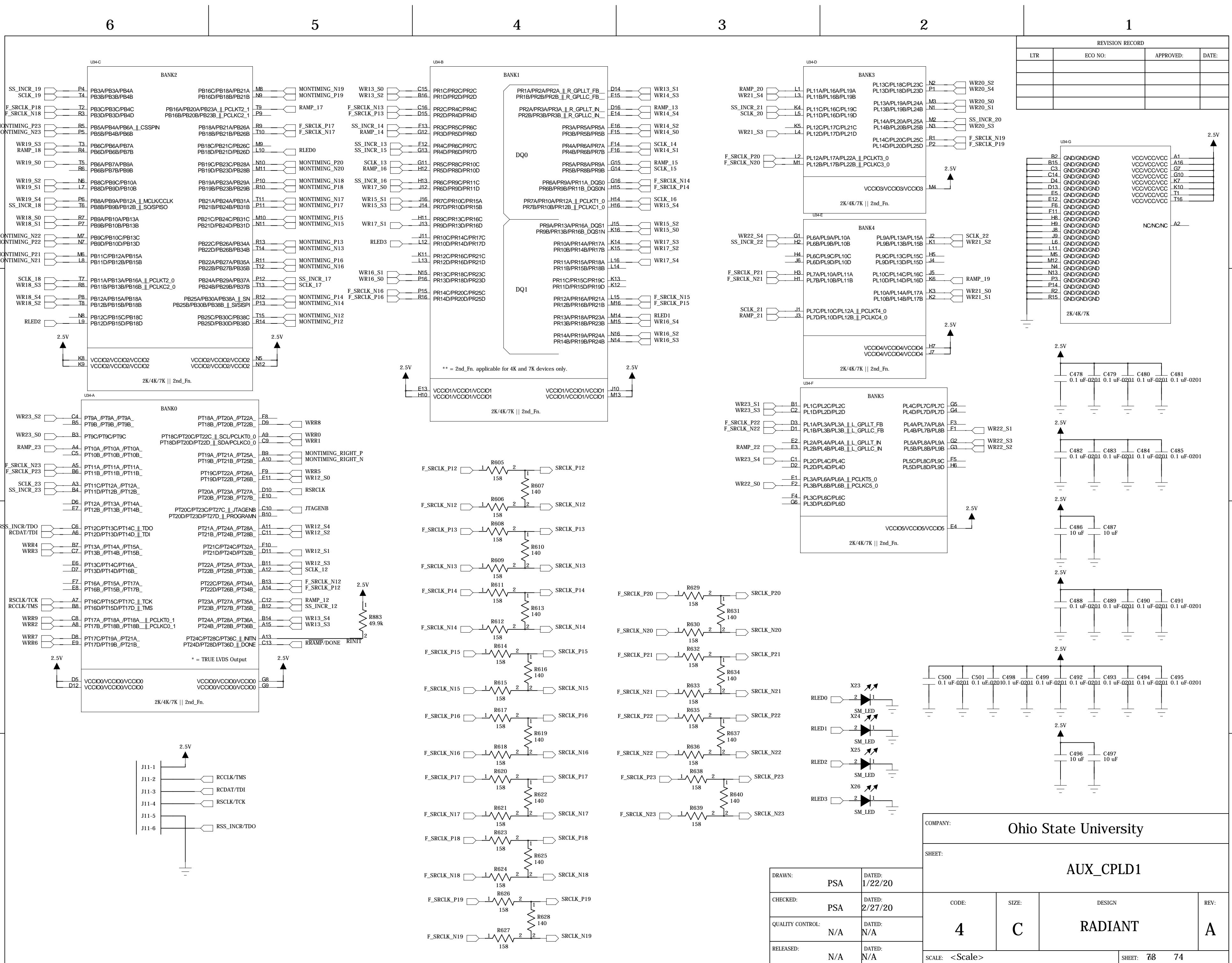
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COMPANY:	Ohio State University		
SHEET:	QUAD_SIG_GENERATOR 5		
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CHECKED:	PSA	DATED: 2/27/20	
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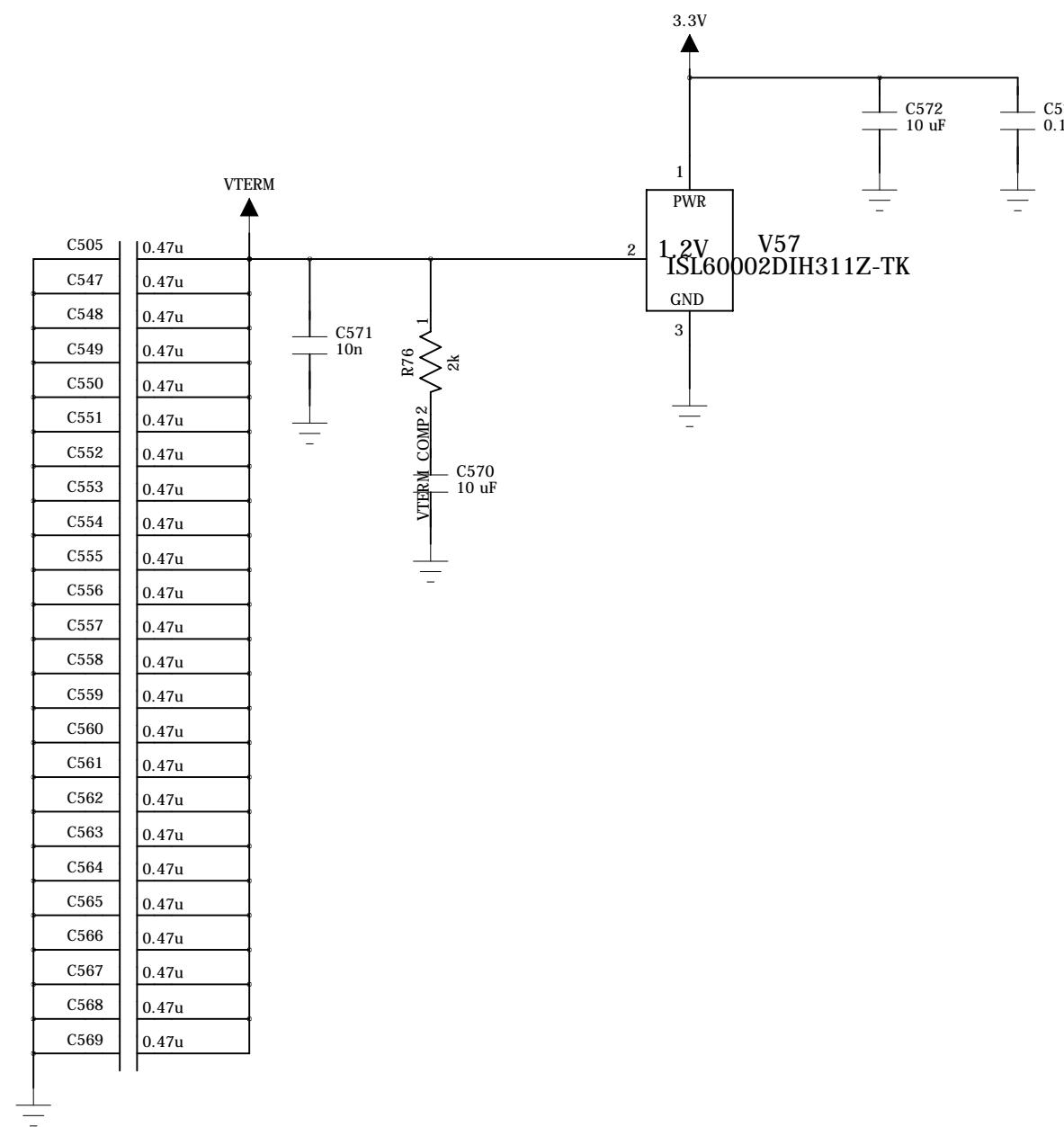
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DRAWN:		PSA	DATED: 1/22/20	COMPANY: Ohio State University		
CHECKED:		PSA	DATED: 2/27/20	SHEET: VTERM		
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SCALE: <Scale>			SHEET: 74 74			