

6

5

4

3

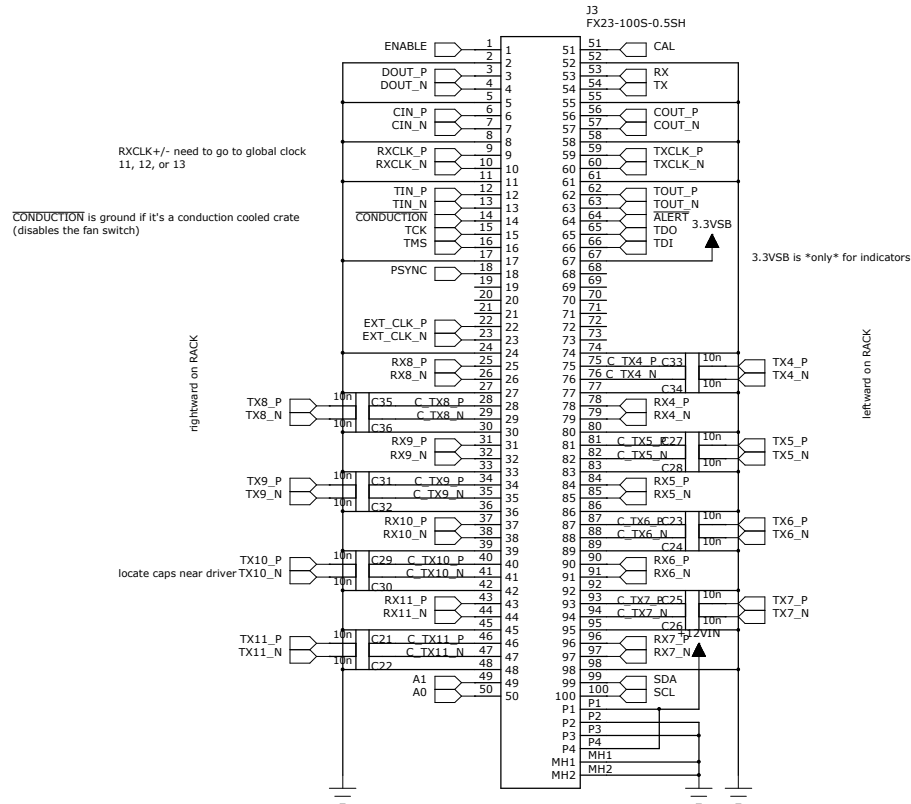
2

1

REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Horizontally this switches left/right at the RACK
(so connecting 25->75 goes right, 75->25 goes left)



Use 1 and 4 for +12V
and 2 and 3 for GND
This way accidental attempted reverse insertion can't do anything

COMPANY:				Ohio State University			
TITLE:				SURFv6			
CODE:		SIZE:		SHEET NAME		REV:	
		B		RACKBUS		A	
SCALE:				SHEET: 2 of		12	

DRAWN: PSA	DATED: 1/31/22
CHECKED:	DATED:
QUALITY CONTROL:	DATED:
RELEASED:	DATED:

D

C

B

A

D

C

B

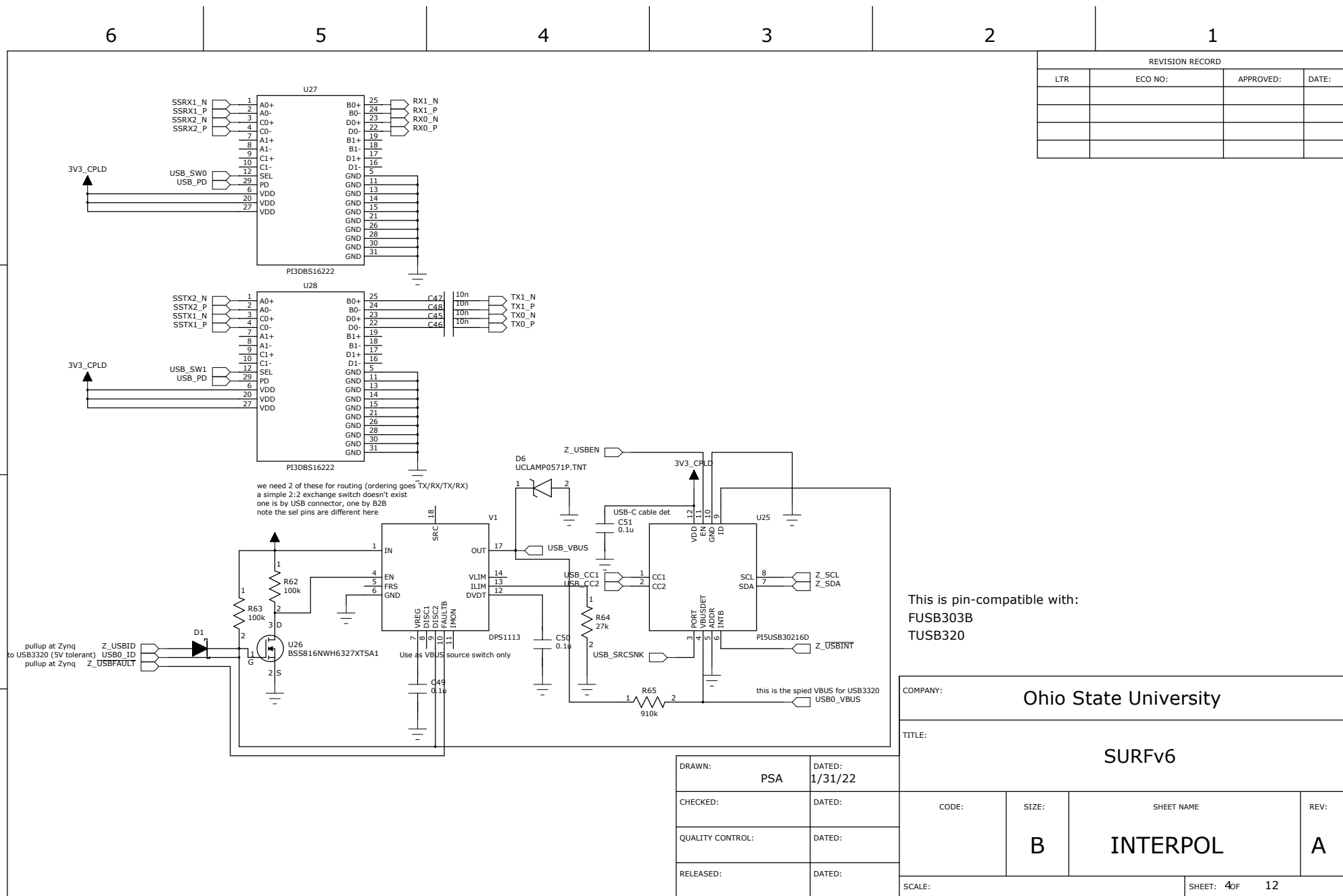
A

D

C

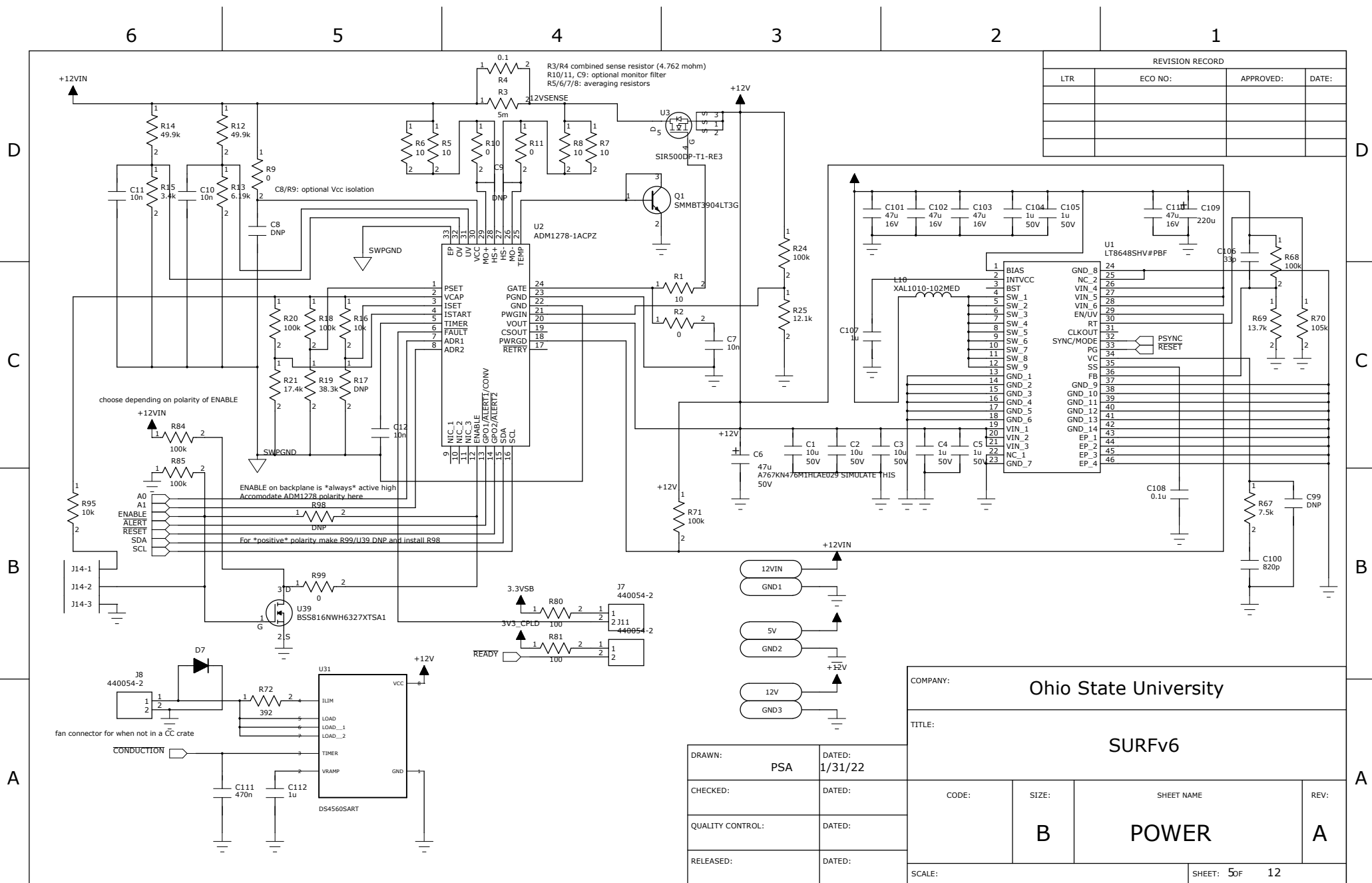
B

A



This is pin-compatible with:
FUSB303B
TUSB320

COMPANY:		Ohio State University		
TITLE:		SURFv6		
CODE:	SIZE:	SHEET NAME		REV:
	B	INTERPOL		A
RELEASED:		DATED:		
SCALE:		SHEET: 4 of 12		



D

C

B

A

6

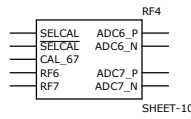
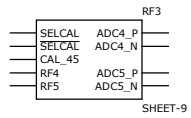
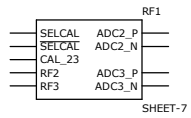
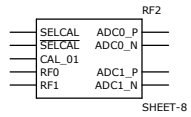
5

4

3

2

1



REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

D

C

B

A

DRAWN: PSA		DATED: 1/31/22		COMPANY: Ohio State University			
CHECKED:		DATED:		TITLE: SURFv6			
QUALITY CONTROL:		DATED:		CODE:	SIZE: B	SHEET NAME RF_CHAIN	REV: A
RELEASED:		DATED:					
SCALE:						SHEET: 6 of 12	

6

5

4

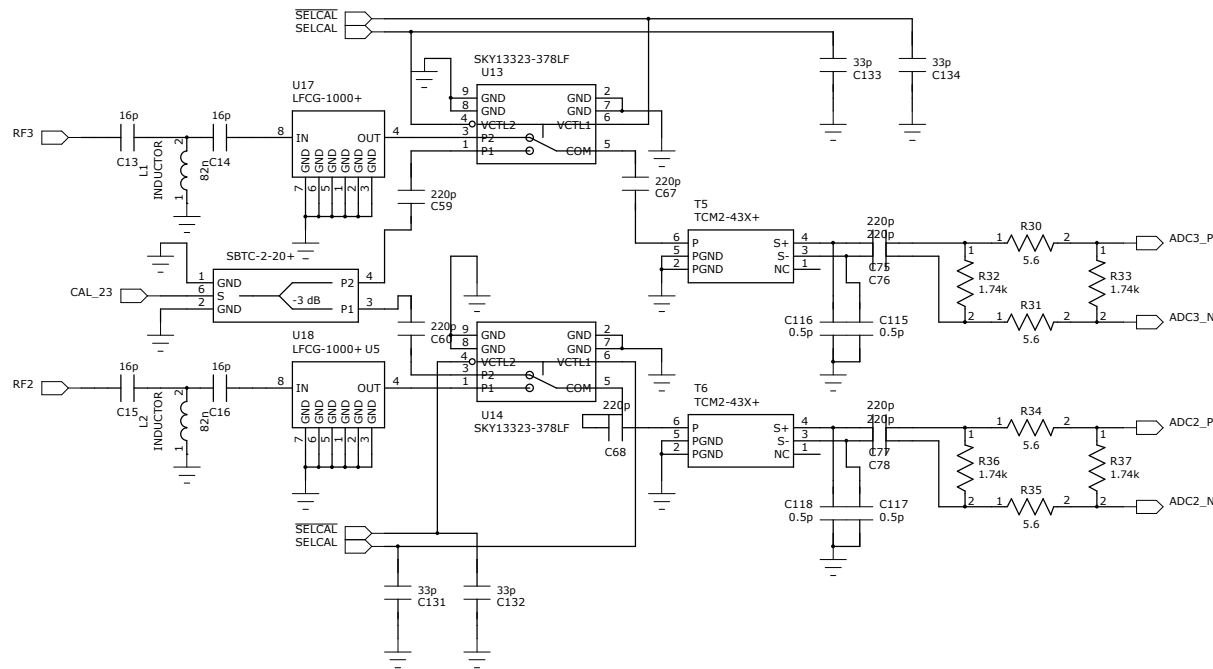
3

2

1

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

Switch inputs are flipped for routing



COMPANY:				Ohio State University			
TITLE:				SURFv6			
CODE:		SIZE:		SHEET NAME		REV:	
B		RF1		A			
SCALE:						SHEET: 7 of 12	

6

5

4

3

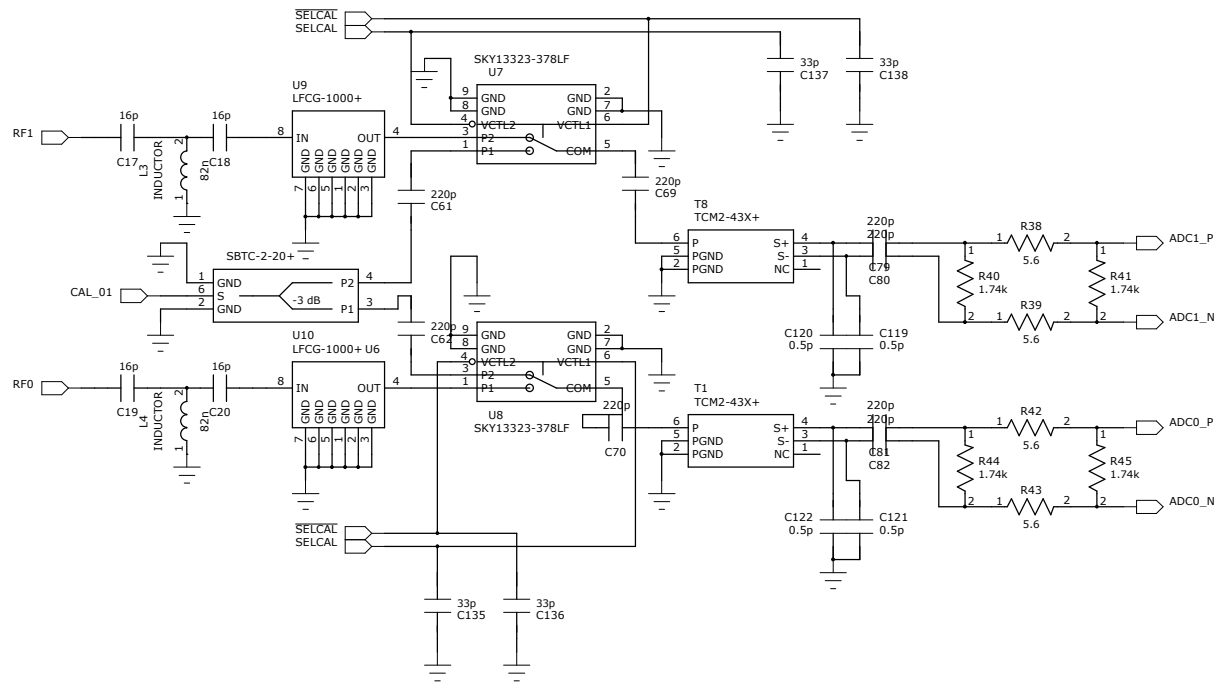
2

1

REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Switch inputs are flipped for routing



COMPANY:				Ohio State University							
TITLE:				SURFv6							
DRAWN:		DATED:		CODE:		SIZE:		SHEET NAME		REV:	
PSA		1/31/22				B		RF2		A	
CHECKED:		DATED:									
QUALITY CONTROL:		DATED:									
RELEASED:		DATED:									
SCALE:								SHEET: 8 of 12			

6

5

4

3

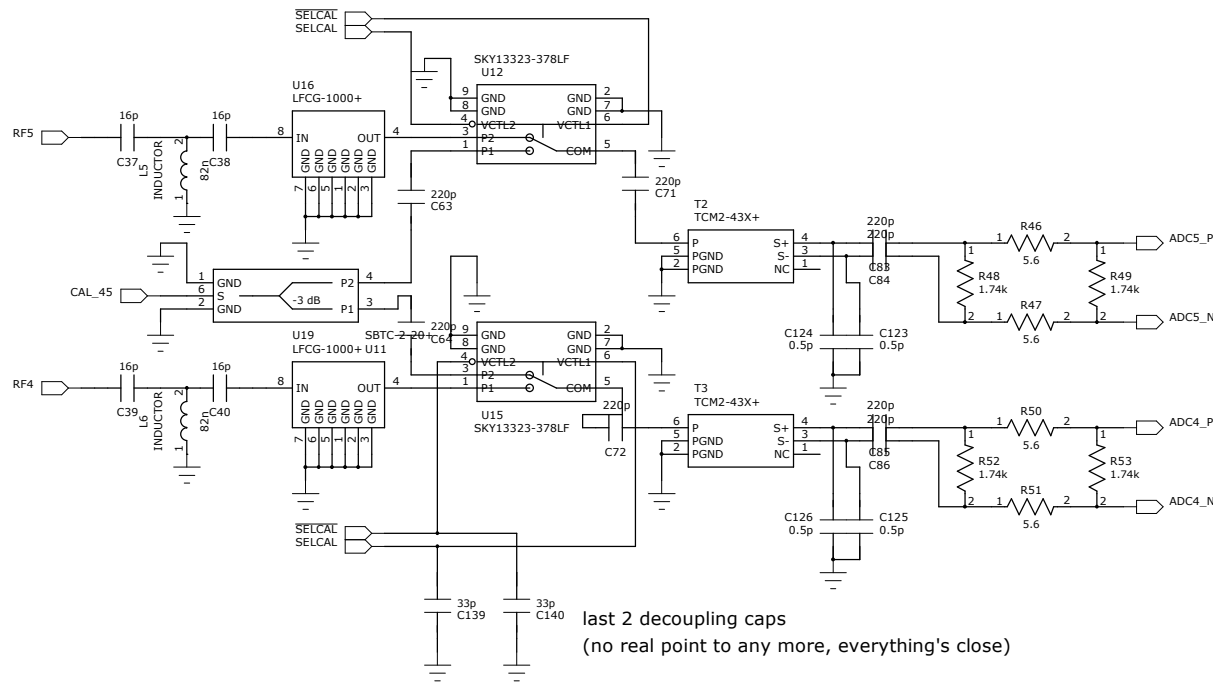
2

1

REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Switch inputs are flipped for routing



COMPANY:				Ohio State University			
TITLE:				SURFv6			
DRAWN:		PSA		DATED:		1/31/22	
CHECKED:				DATED:			
QUALITY CONTROL:				DATED:			
RELEASED:				DATED:			
CODE:		SIZE:		SHEET NAME		REV:	
		B		RF3		A	
SCALE:				SHEET: 9 of 12			

6

5

4

3

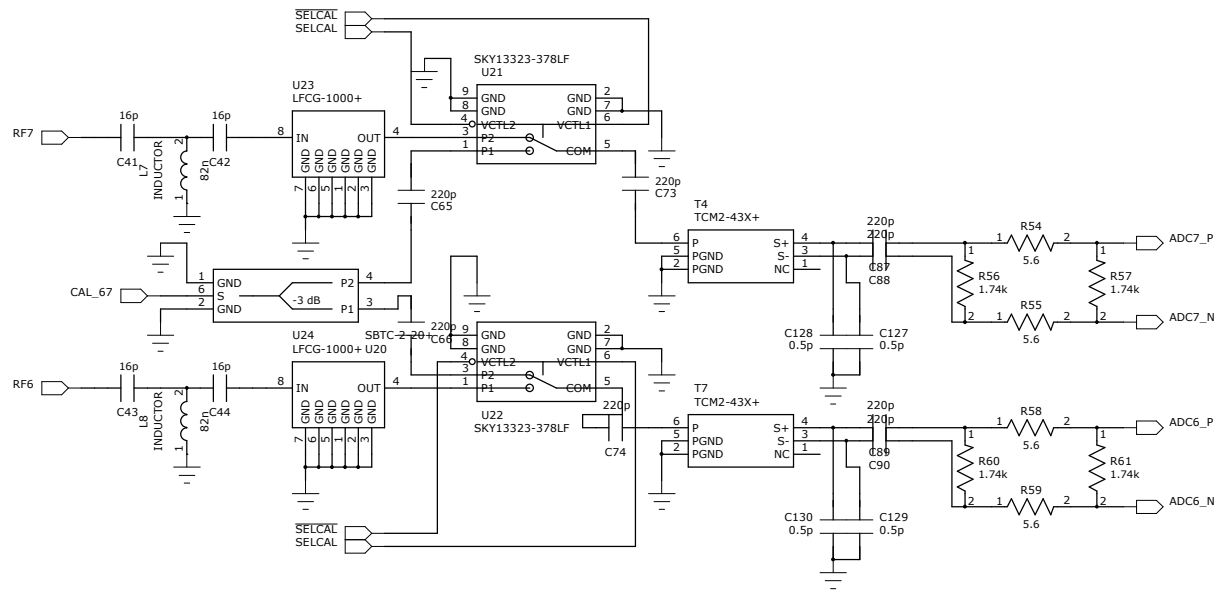
2

1

REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Switch inputs are flipped for routing



COMPANY:

Ohio State University

TITLE:

SURFv6

DRAWN:

PSA

DATED:

1/31/22

CHECKED:

DATED:

QUALITY CONTROL:

DATED:

RELEASED:

DATED:

CODE:

SIZE:

SHEET NAME

REV:

B

RF4

A

SCALE:

SHEET: 10 12

6

5

4

3

2

1

REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

output is really 4.75V

