

TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	1	OF 13
DRAWN	JEFF KLEYNER	DATE	22/10/2019:15:41	

4

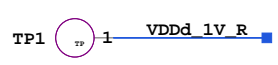
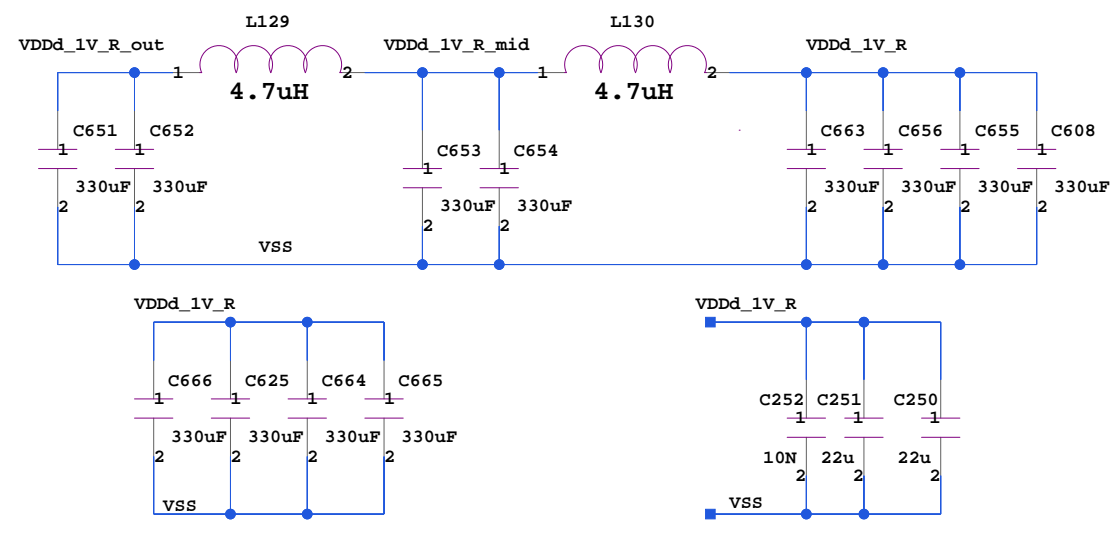
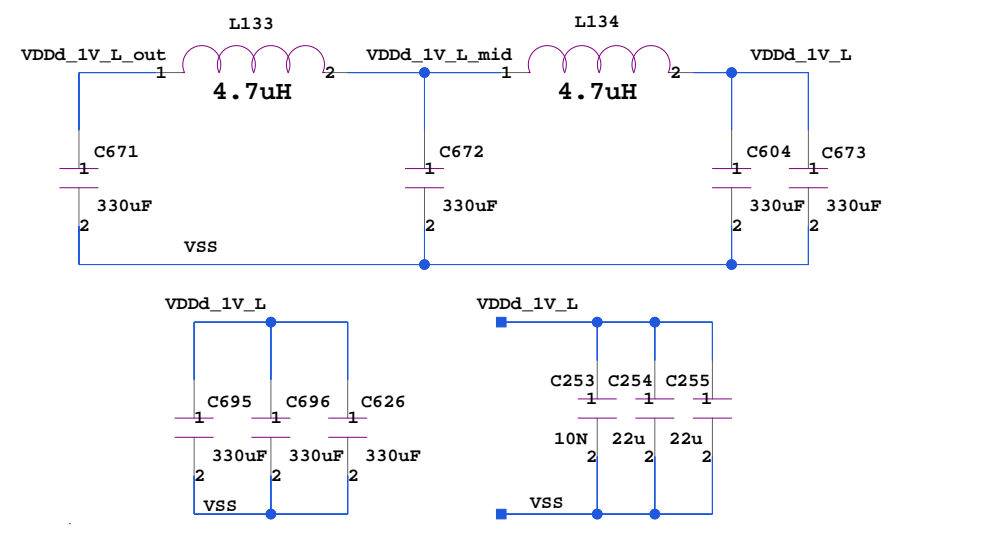
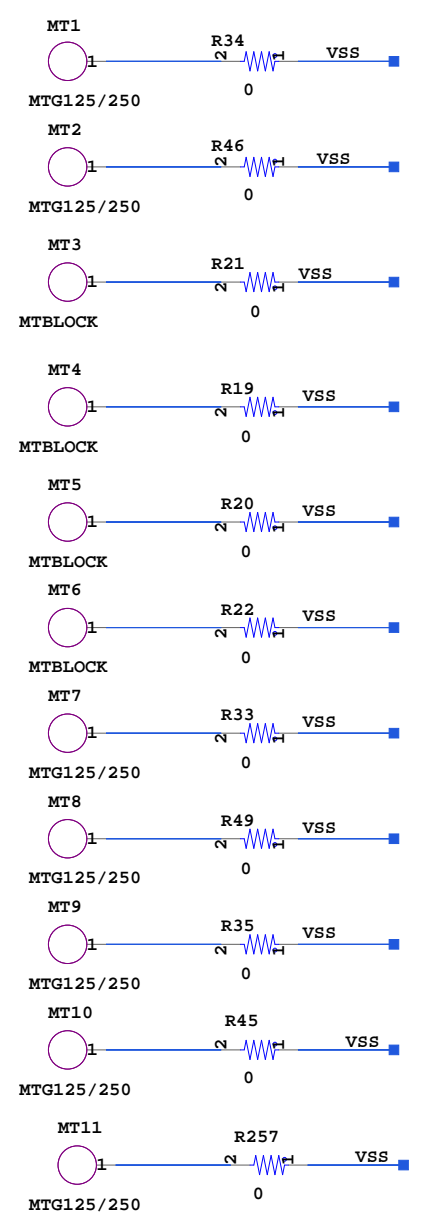
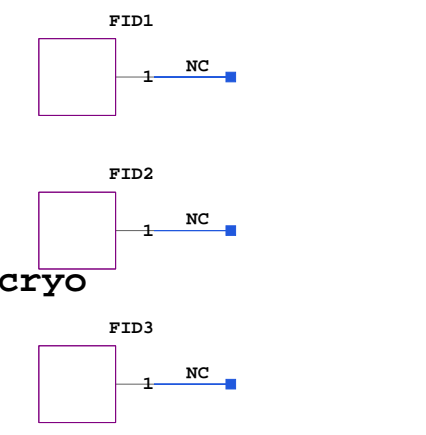
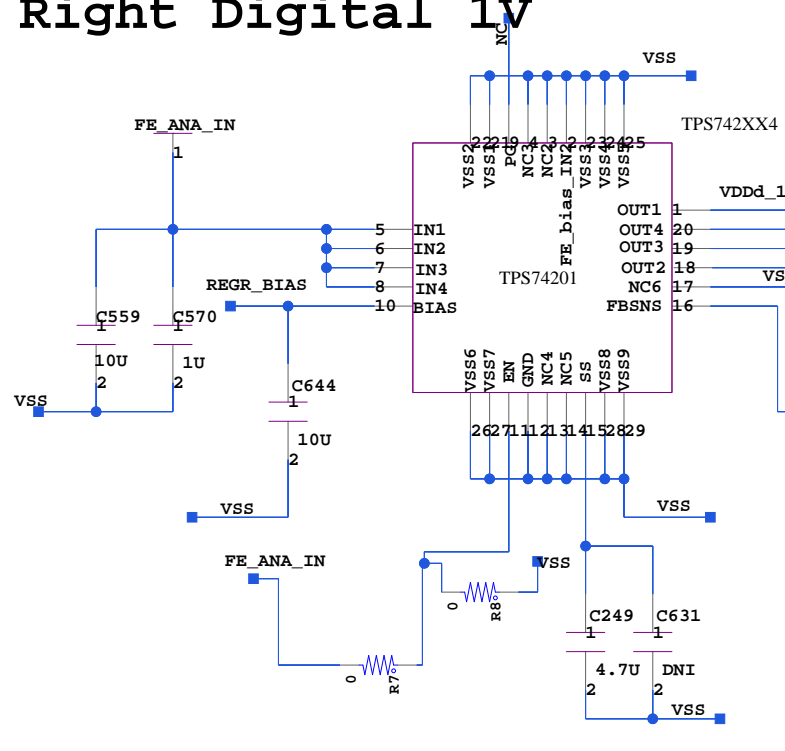
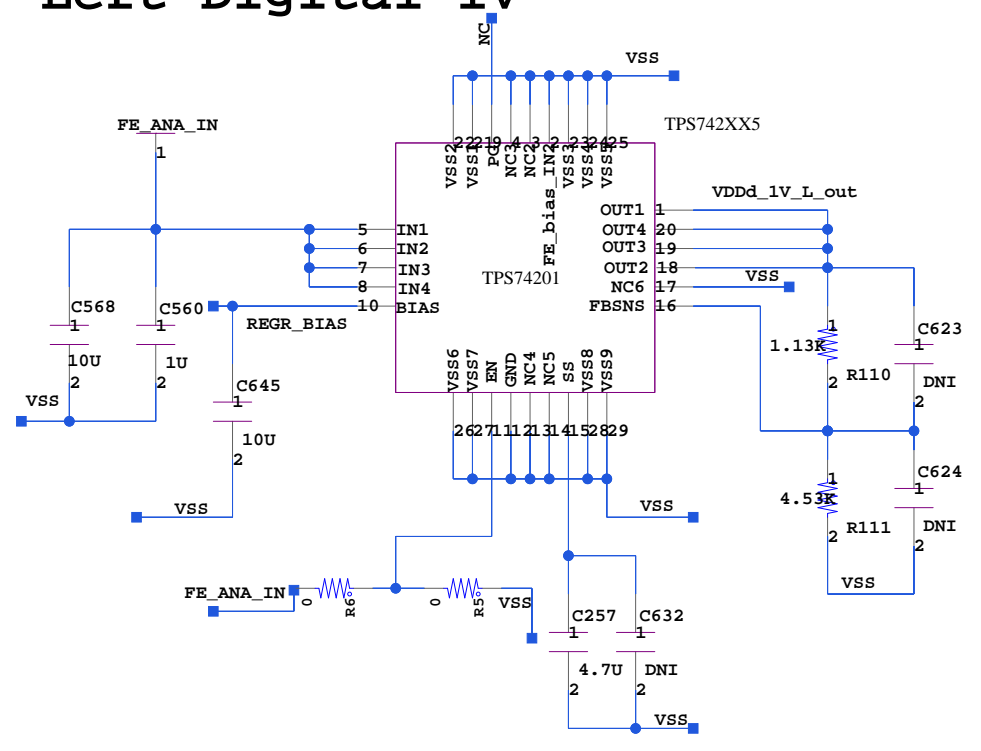
4

Left Digital 1V

Right Digital 1V

sense lines. Keep resistors close to asic. in between both

Ground? but keep close to cryo



TITLE				
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UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	2	OF 13
DRAWN	JEFF KLEYNER	DATE	10/01/2020:22:59	

3

3

2

2

1

1

A

B

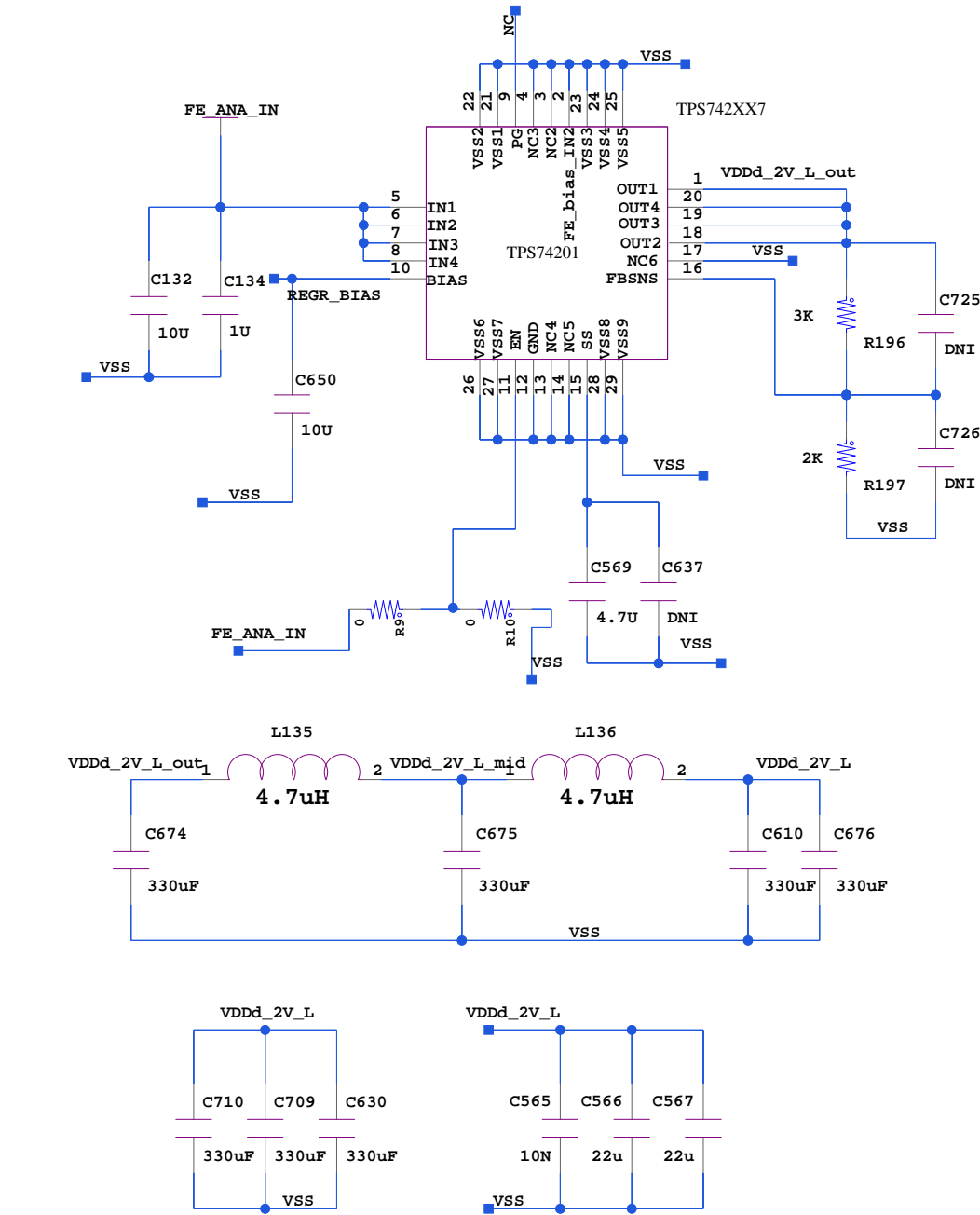
C

D

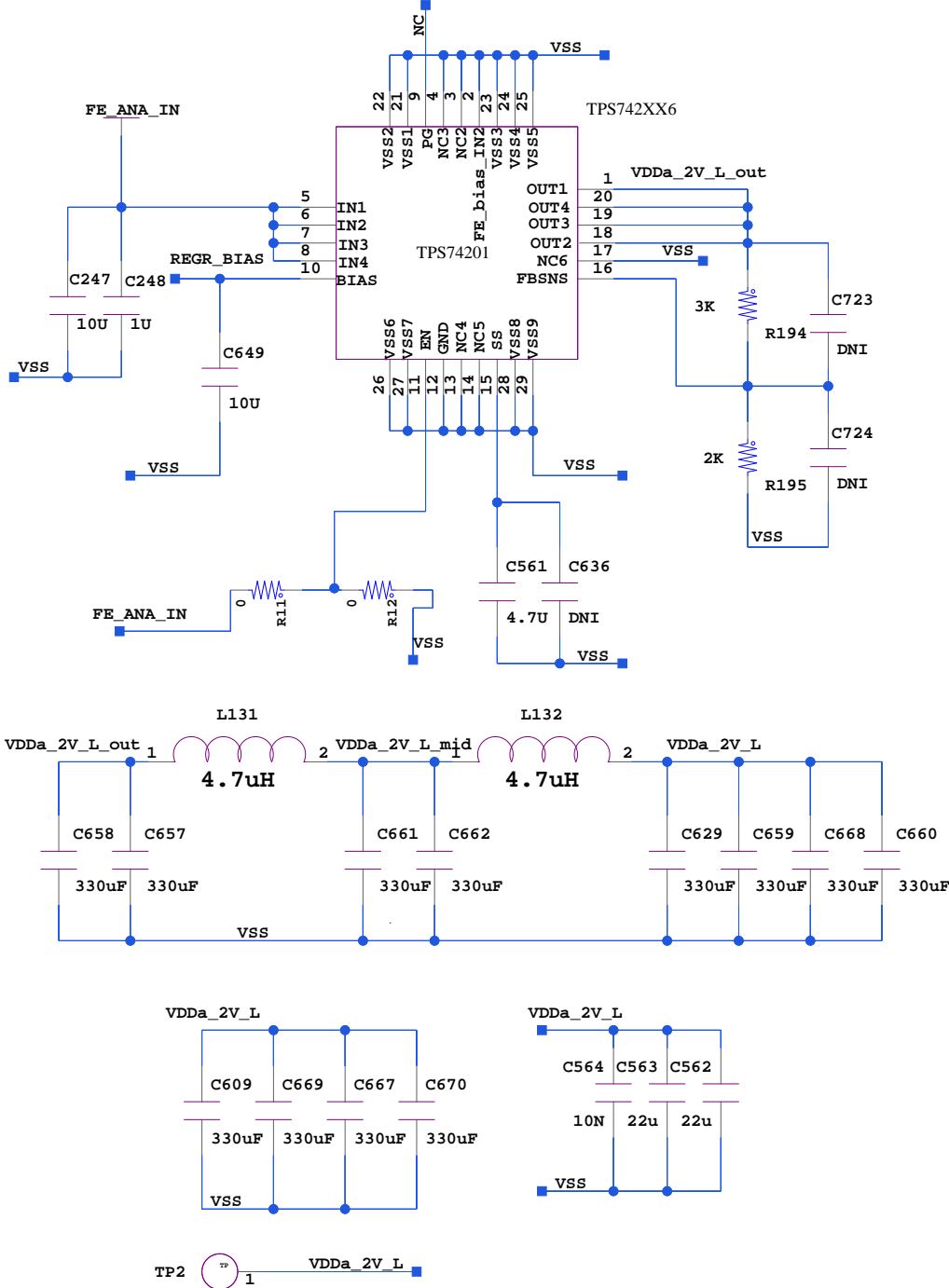
E

F

Left Digital 2V



Left Analog 2V



TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	3	OF 13
DRAWN	JEFF KLEYNER	DATE	10/01/2020:22:59	

4

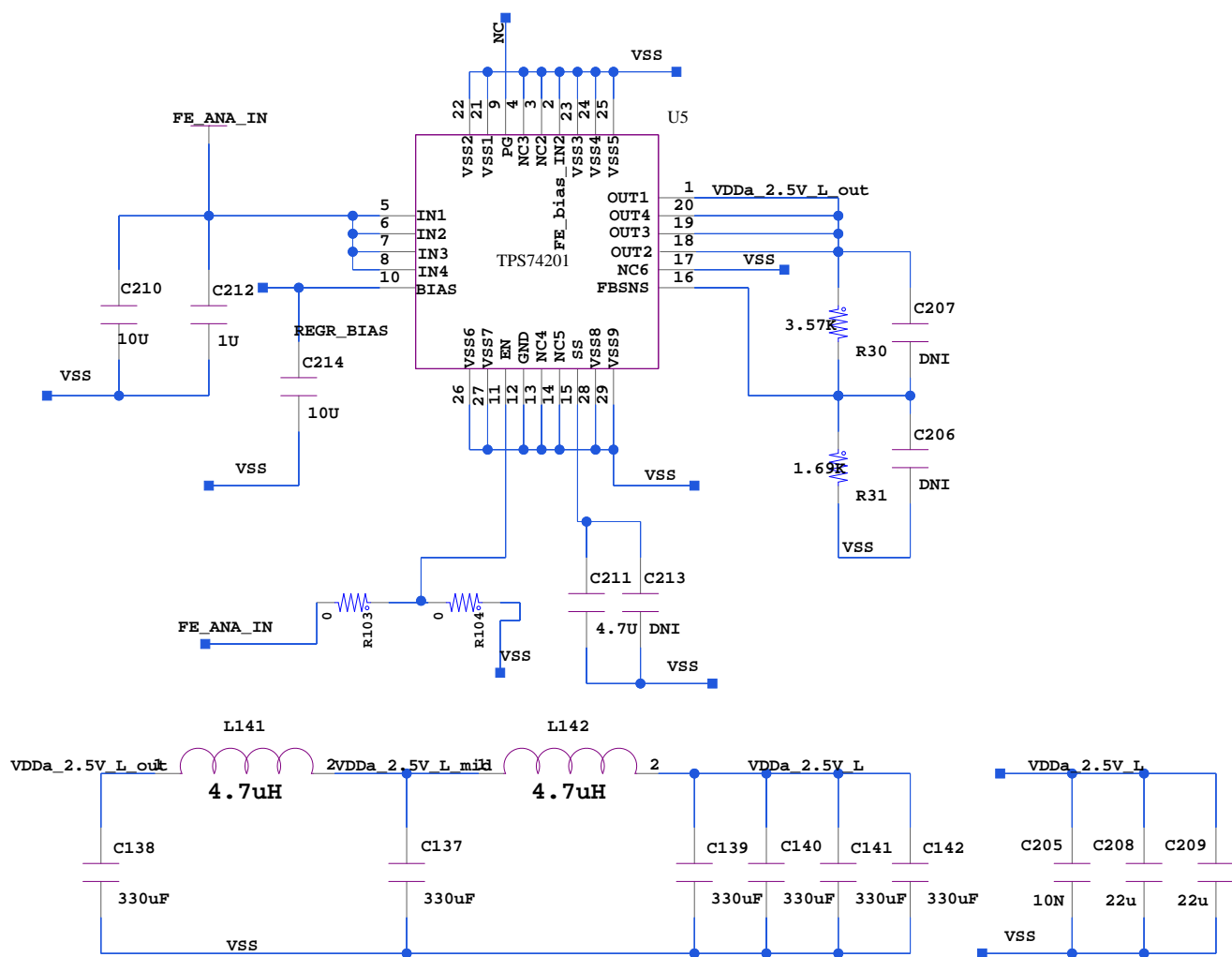


2

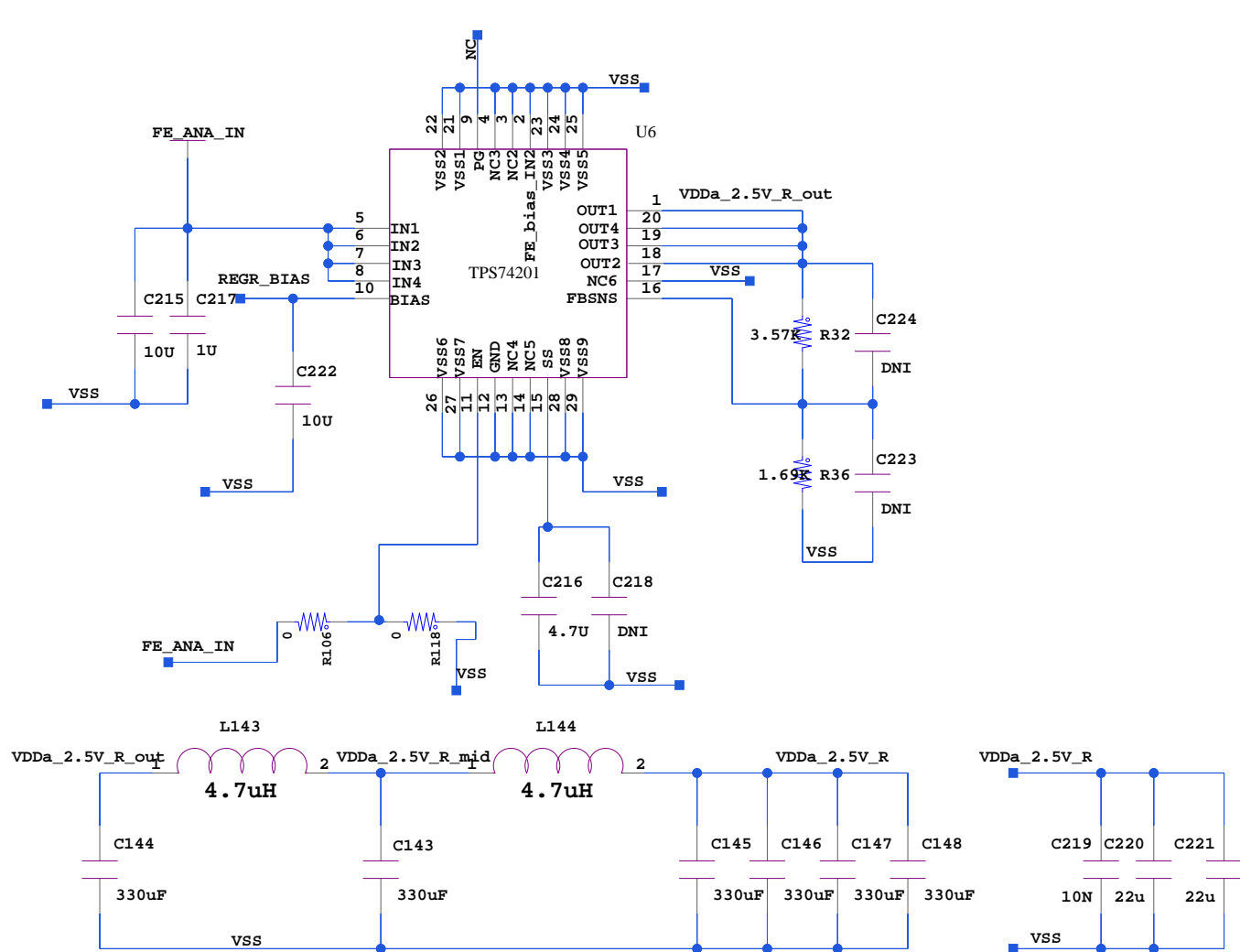


A	B	C	D	E	F
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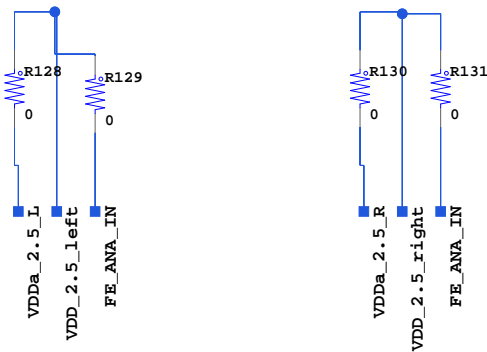
Left Analog 2.5V



Right Analog 2.5V

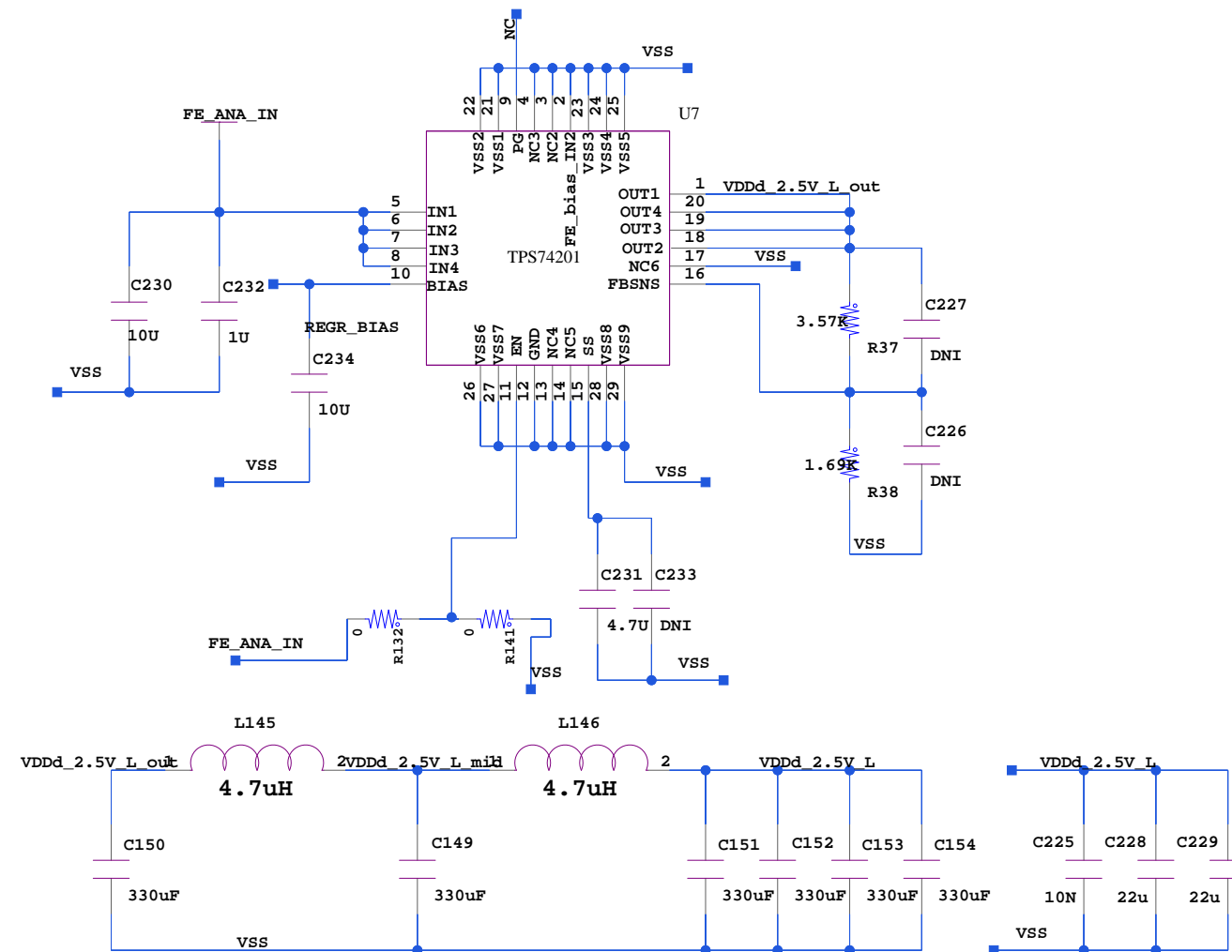


Select raw power in or ldo 2.5 out

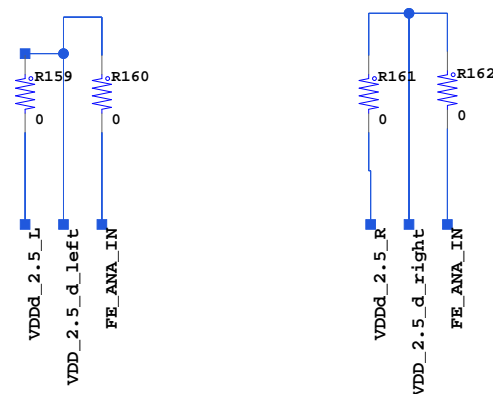


TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	5	OF 13
DRAWN	JEFF KLEYNER	DATE	10/01/2020:22:59	

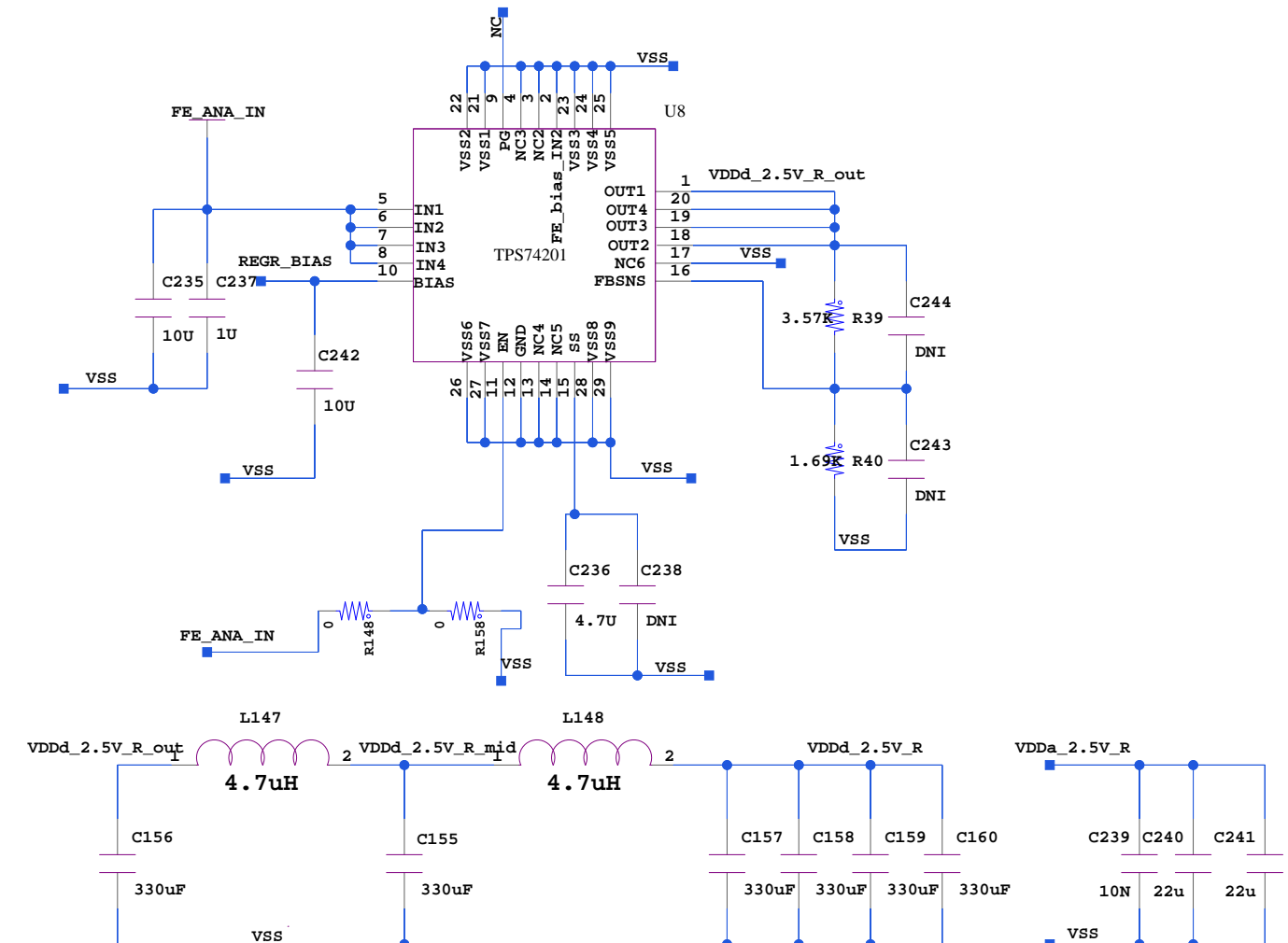
Left Digital 2.5V



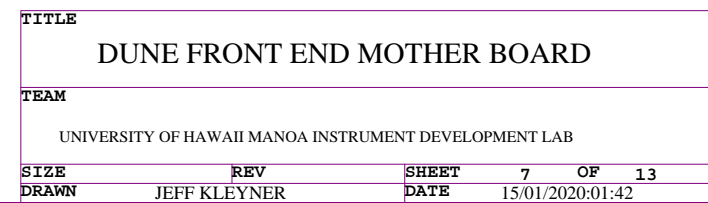
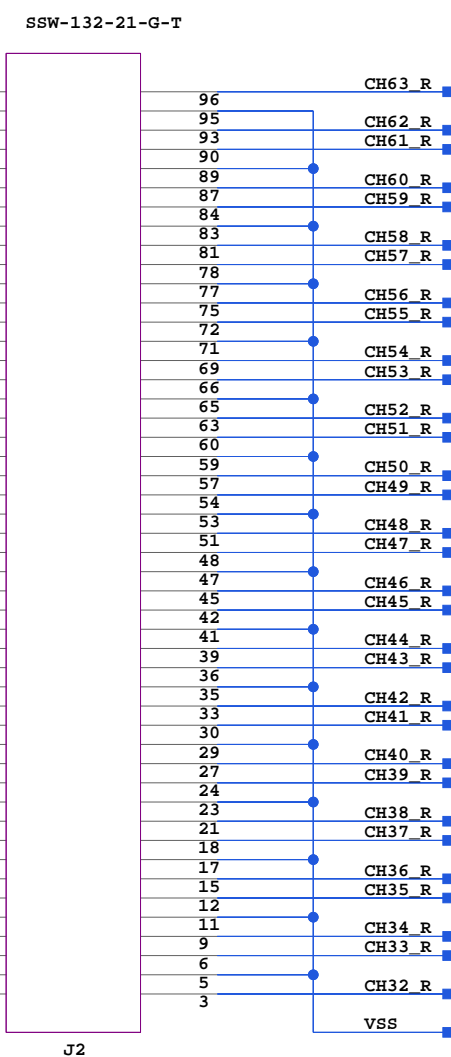
Select raw power in or ldo 2.5 out

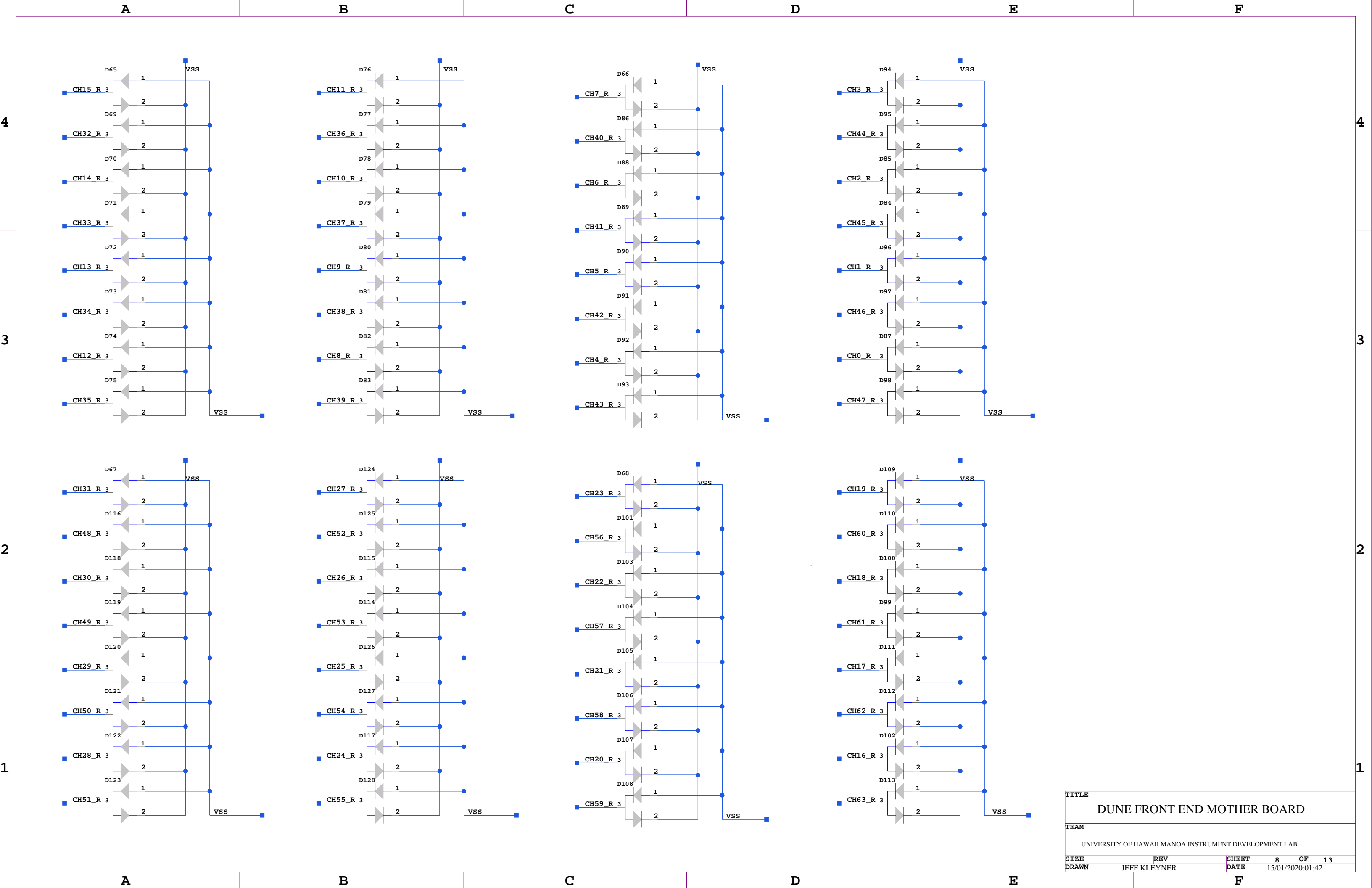


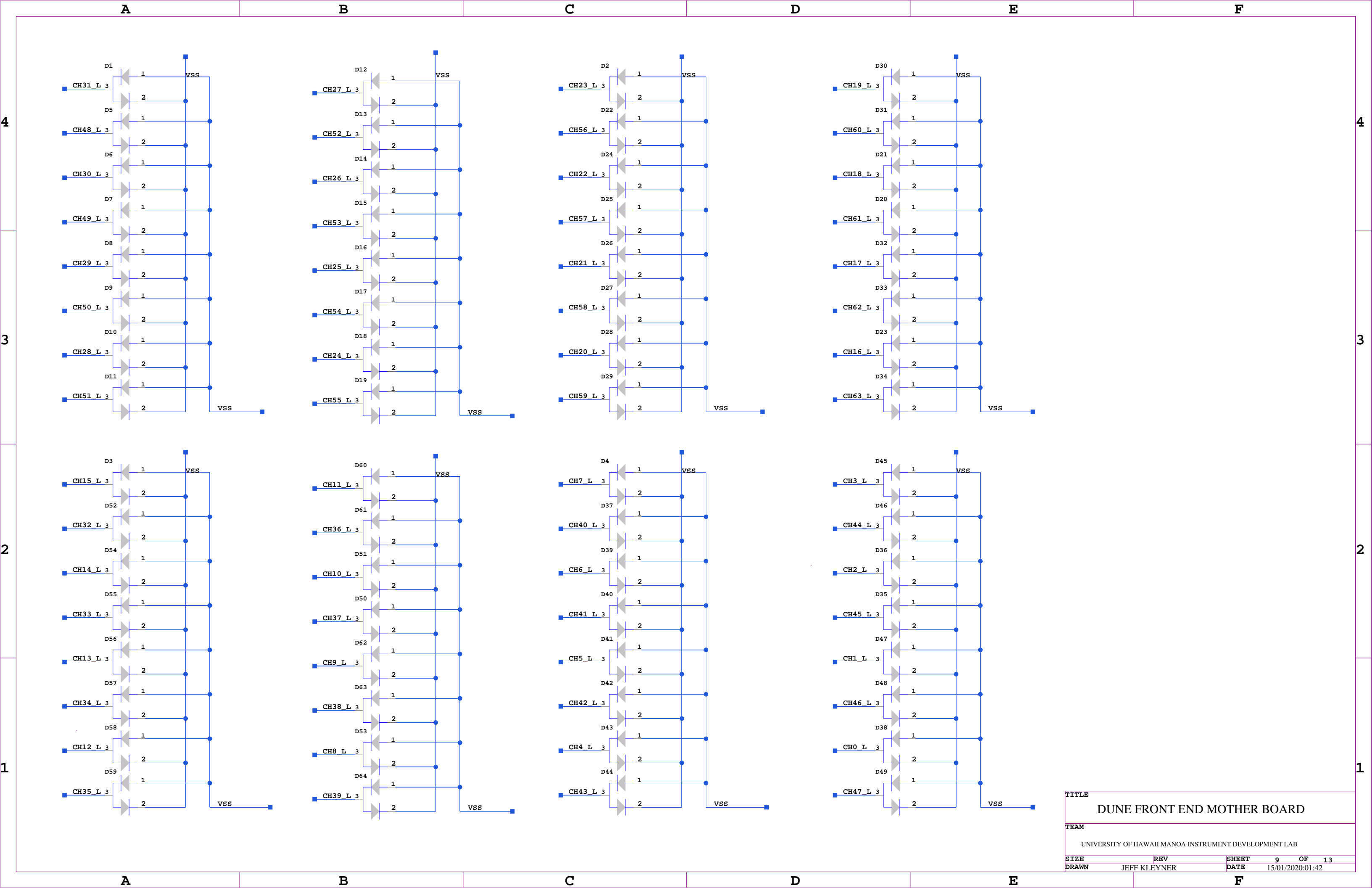
Right Digital 2.5V



TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	6	OF 13
DRAWN	JEFF KLEYNER	DATE	10/01/2020:22:59	









TITLE <div style="text-align: center;">DUNE FRONT END MOTHER BOARD</div>				
TEAM <div style="text-align: center;">UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB</div>				
SIZE	REV	SHEET	10	OF 13
DRAWN	JEFF KLEYNER	DATE	15/01/2020:03:59	

4

3

2

1

A

B

C

D

E

F

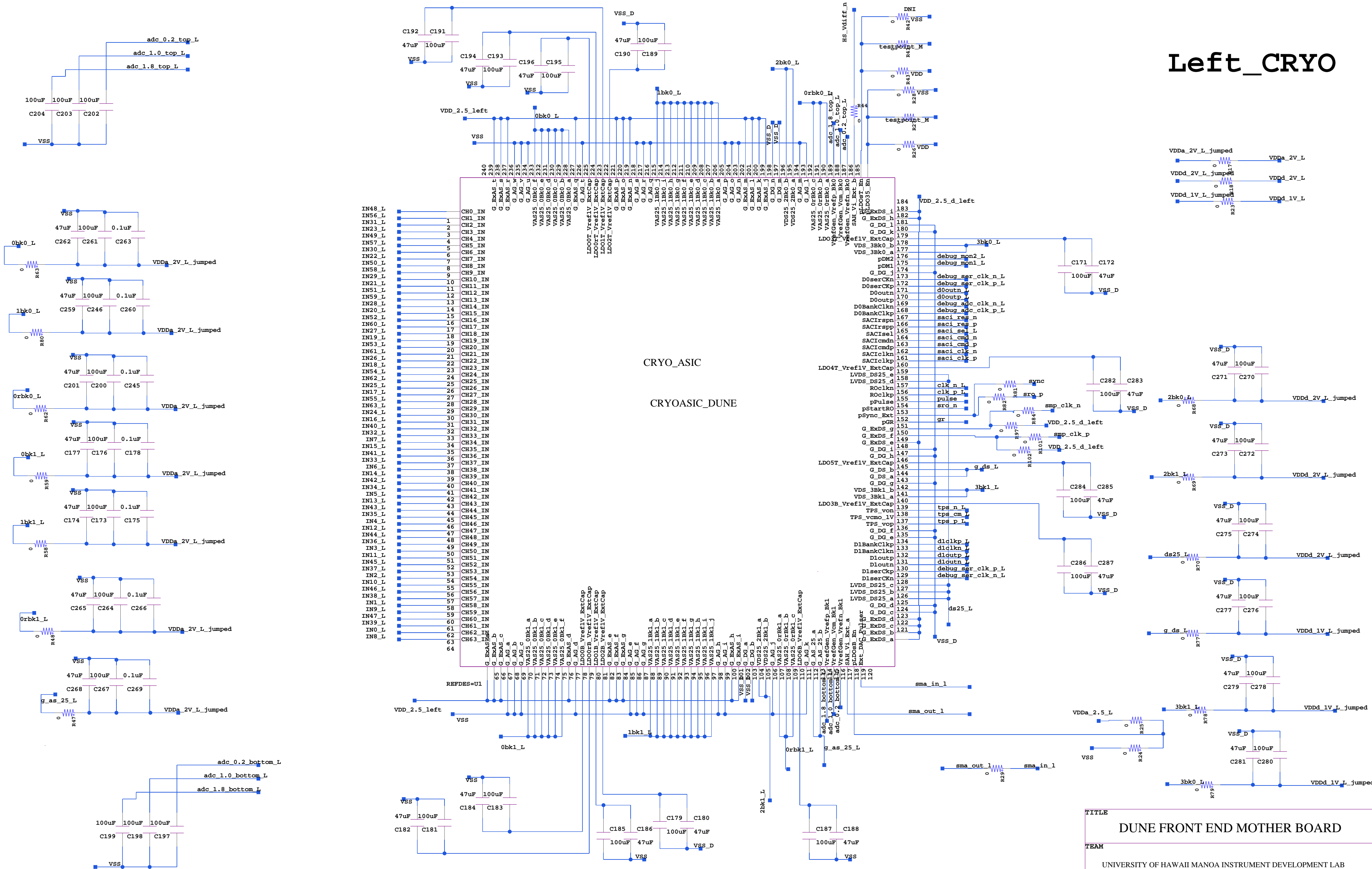
Left_CRYO

4

3

2

1



A

B

C

D

E

F

TITLE			
DUNE FRONT END MOTHER BOARD			
TEAM			
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB			
SIZE	REV	SHEET	cryo Left
DRAWN	JEFF KLEYNER	DATE	22/01/2020:02:43

4

3

2

1

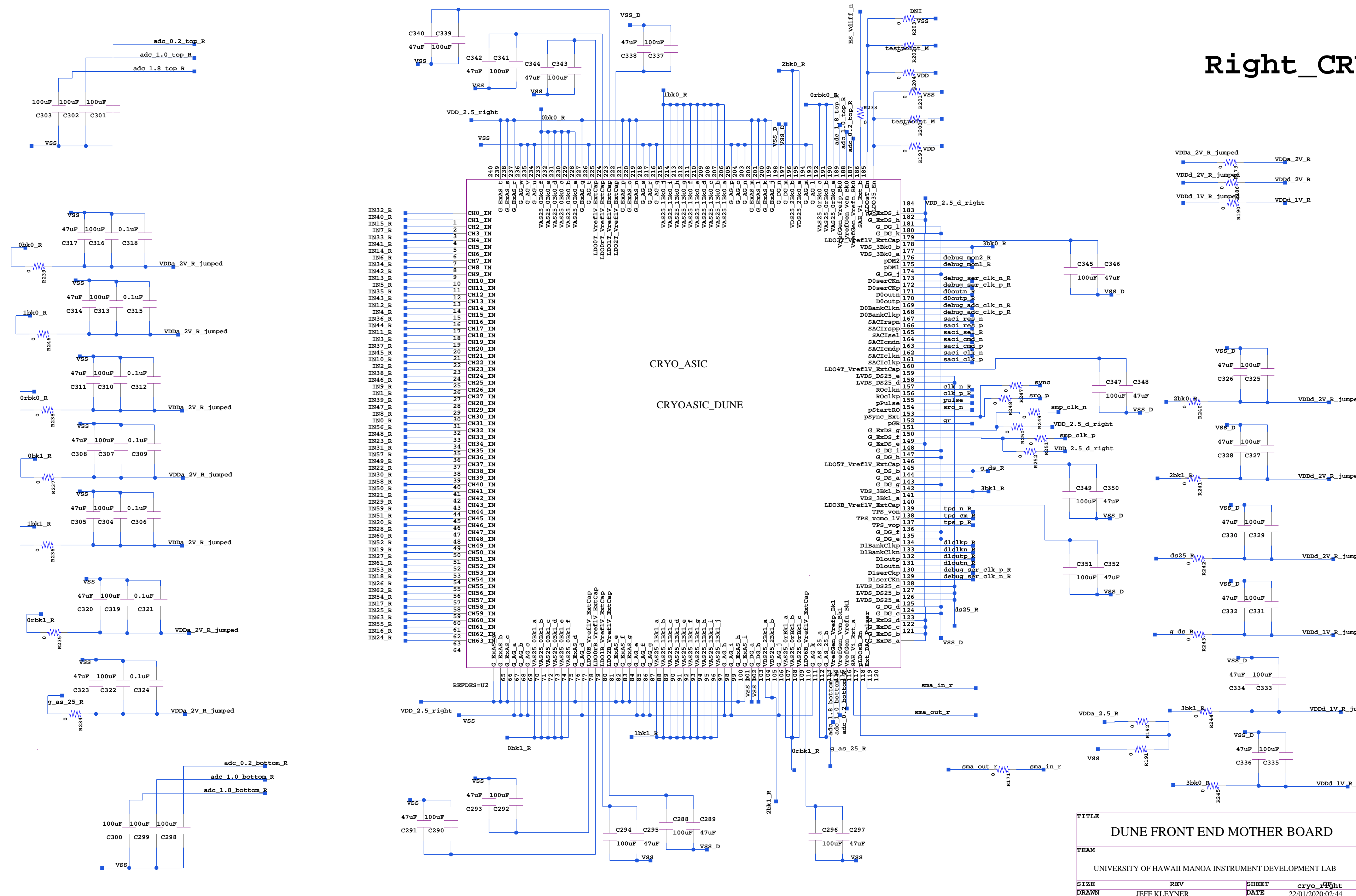
4

3

2

1

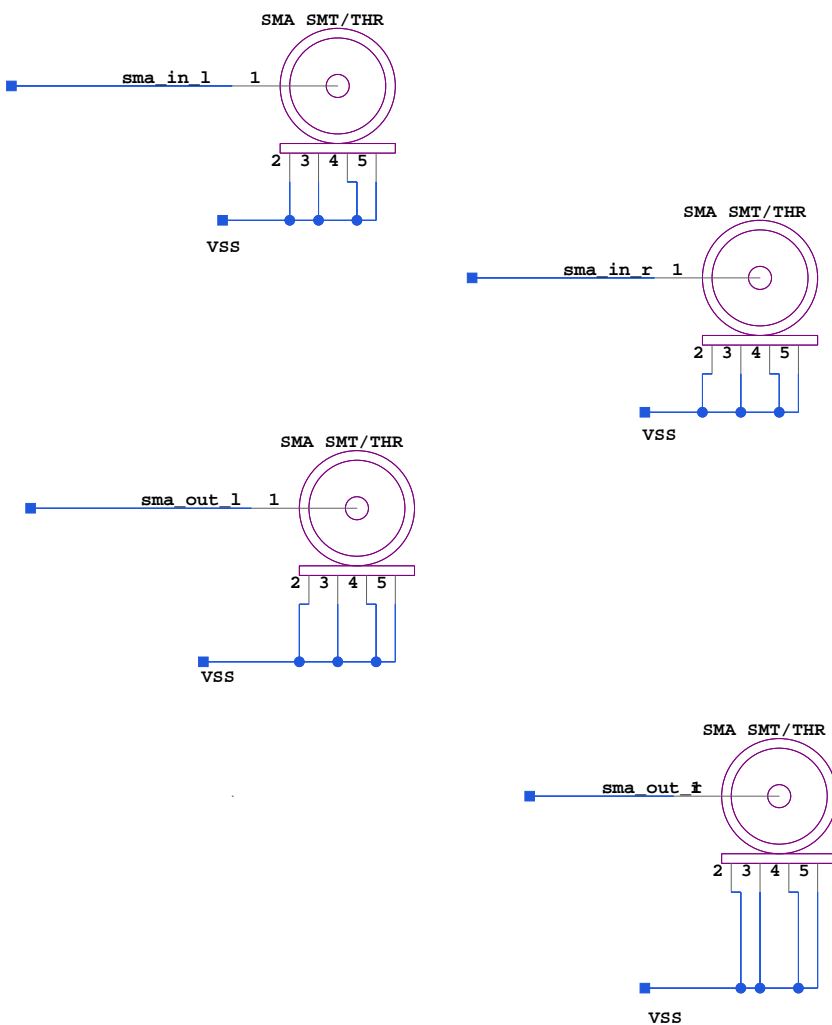
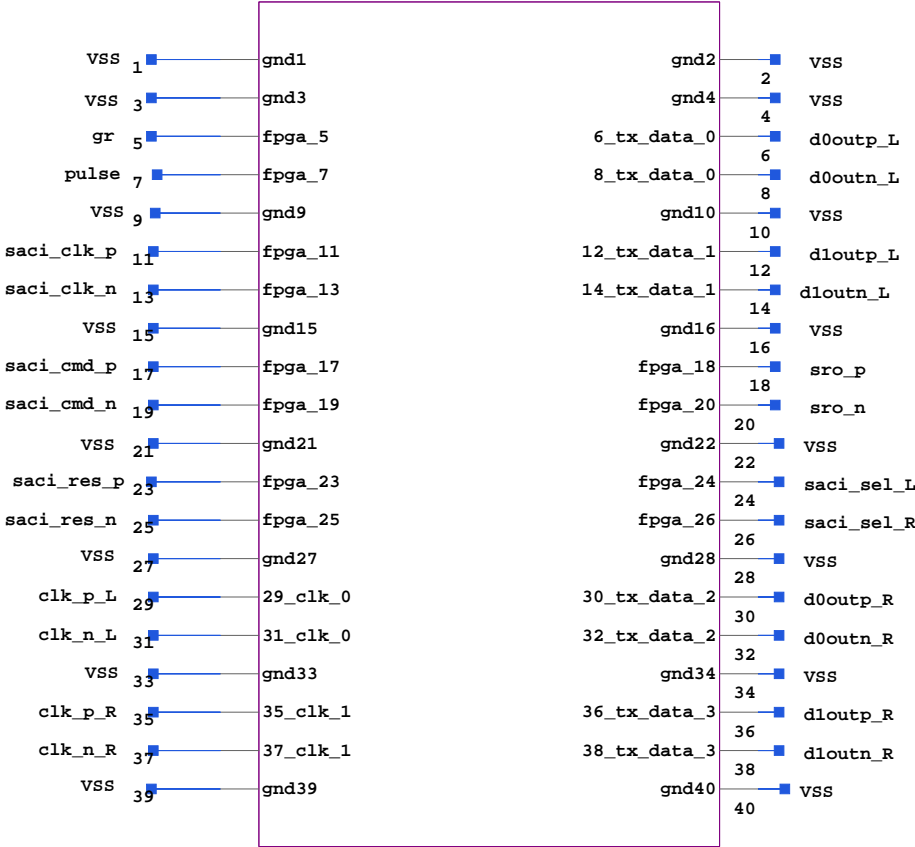
Right_CRYO



TITLE			
DUNE FRONT END MOTHER BOARD			
TEAM			
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB			
SIZE	REV	SHEET	cryo_right
DRAWN	JEFF KLEYNER	DATE	22/01/2020:02:44

WIB IN

Ext. Monitor



TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	13	OF 13
DRAWN	JEFF KLEYNER	DATE	10/01/2020:21:03	