

4

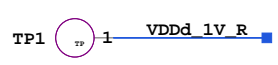
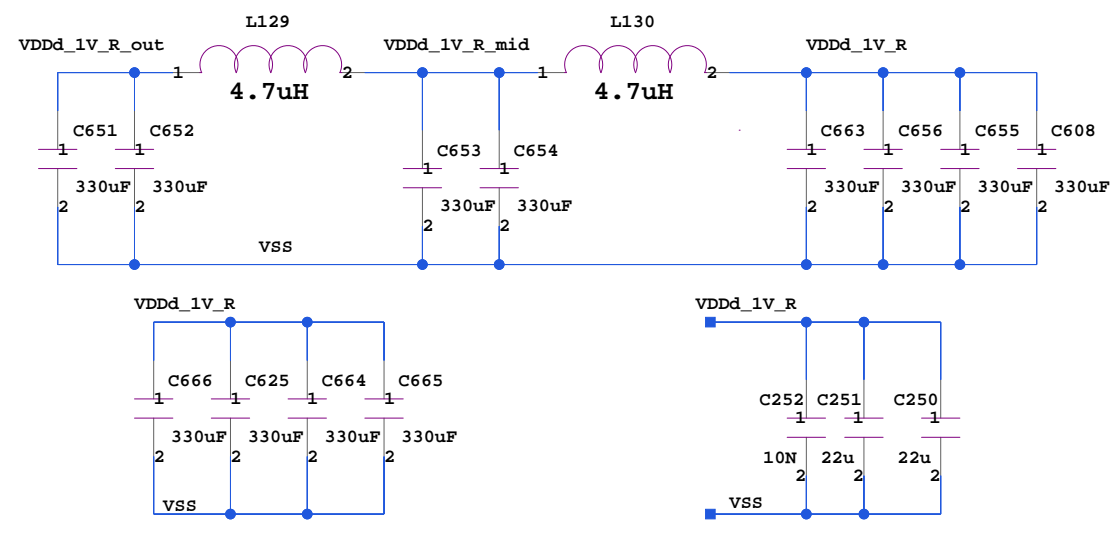
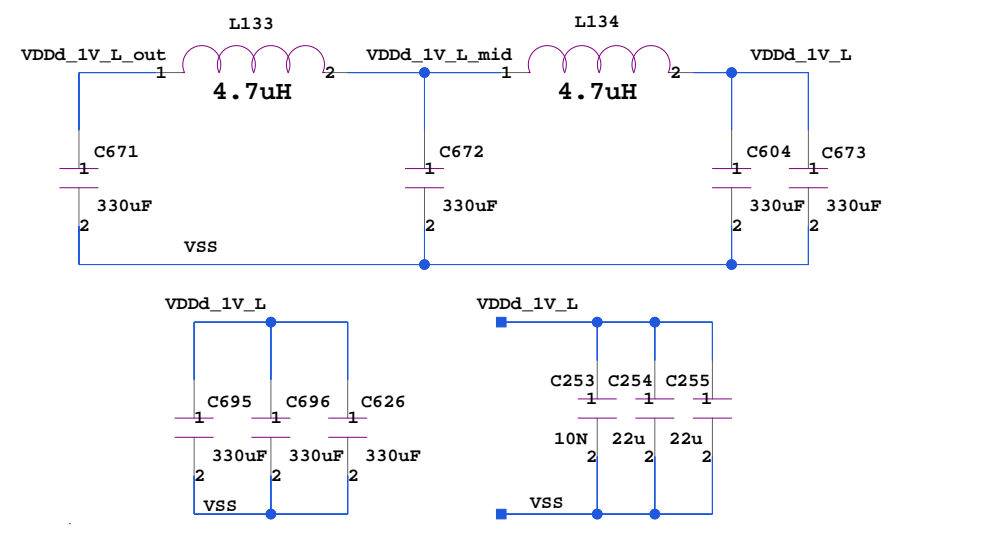
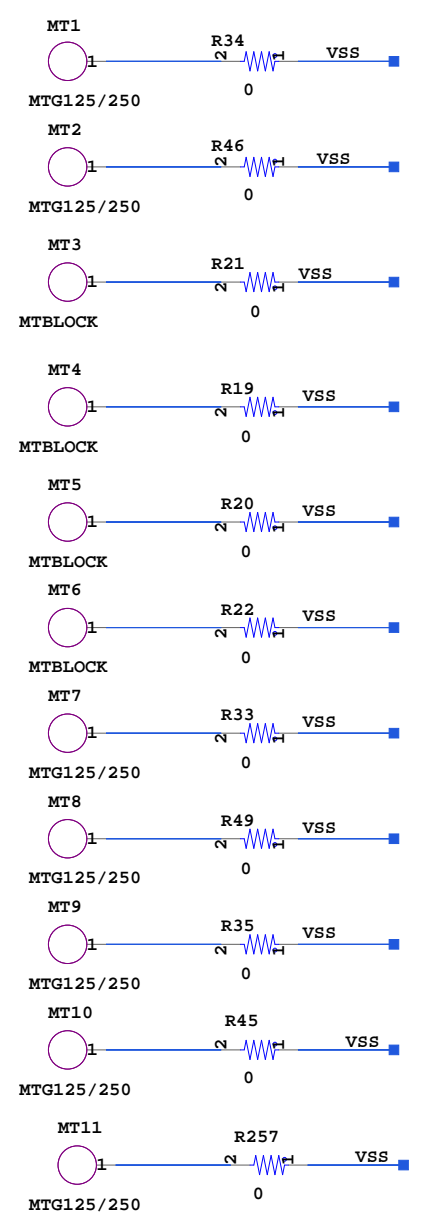
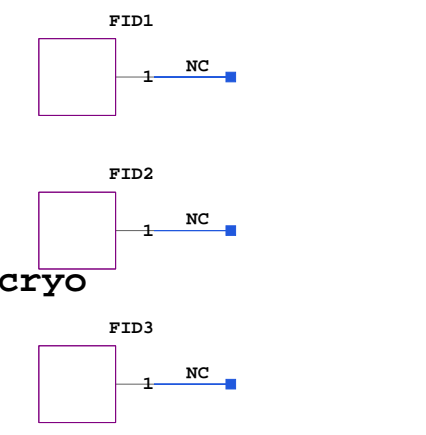
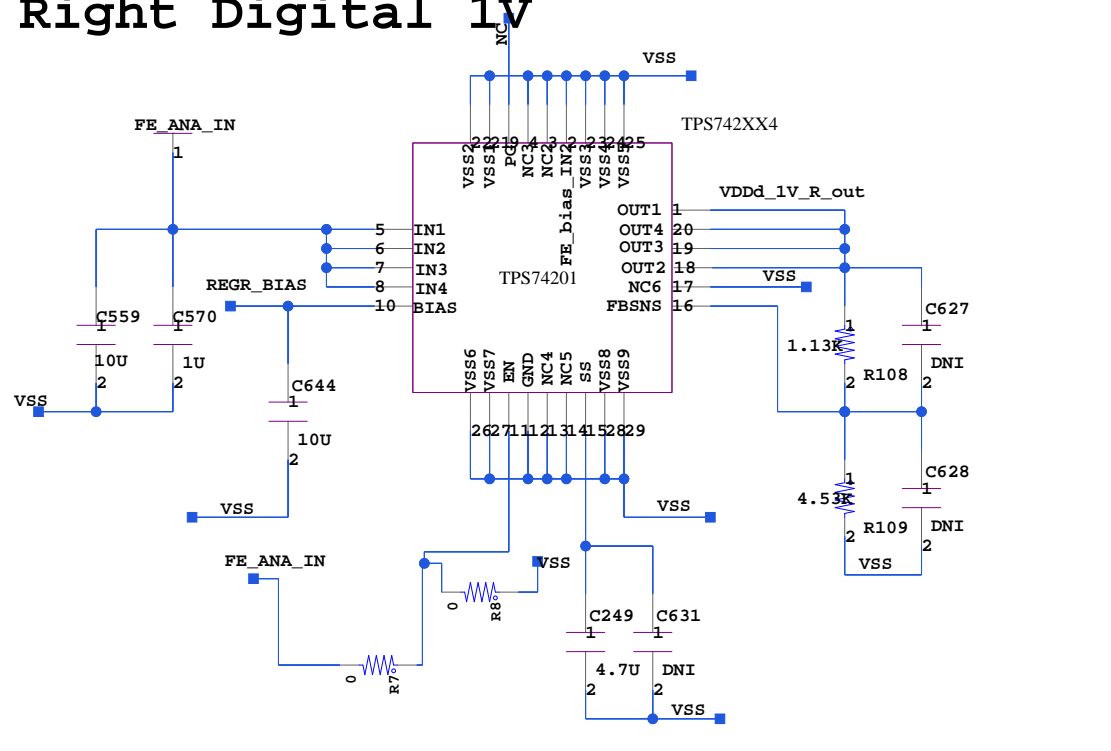
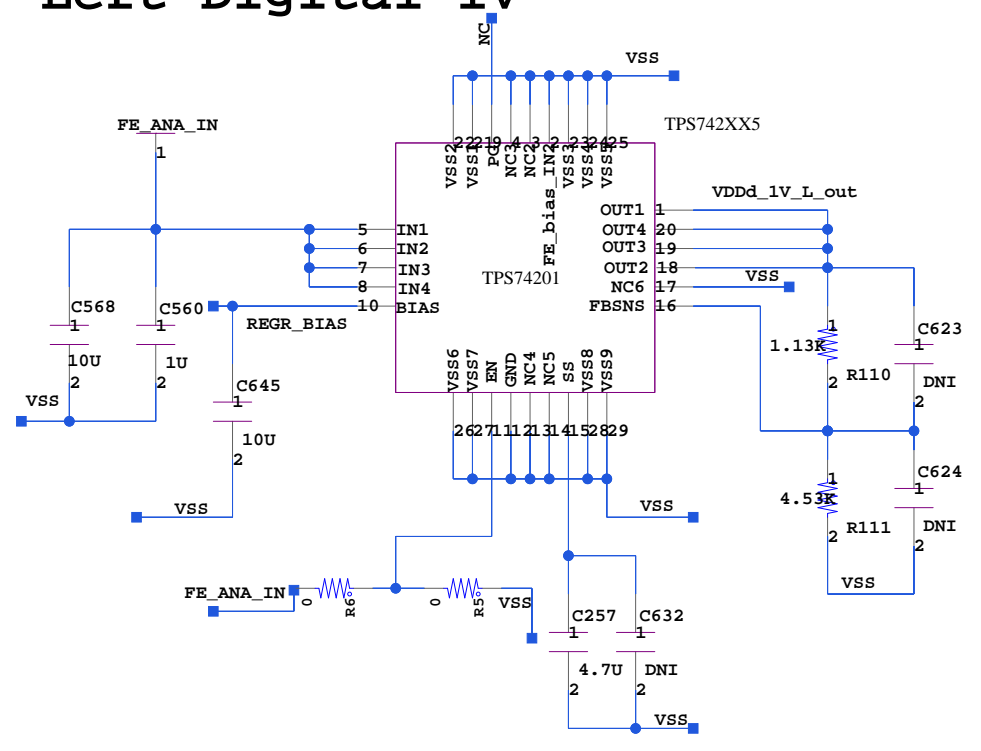
4

Left Digital 1V

Right Digital 1V

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

Ground? but keep close to cryo



TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	2	OF 13
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3

3

2

2

1

1

A

B

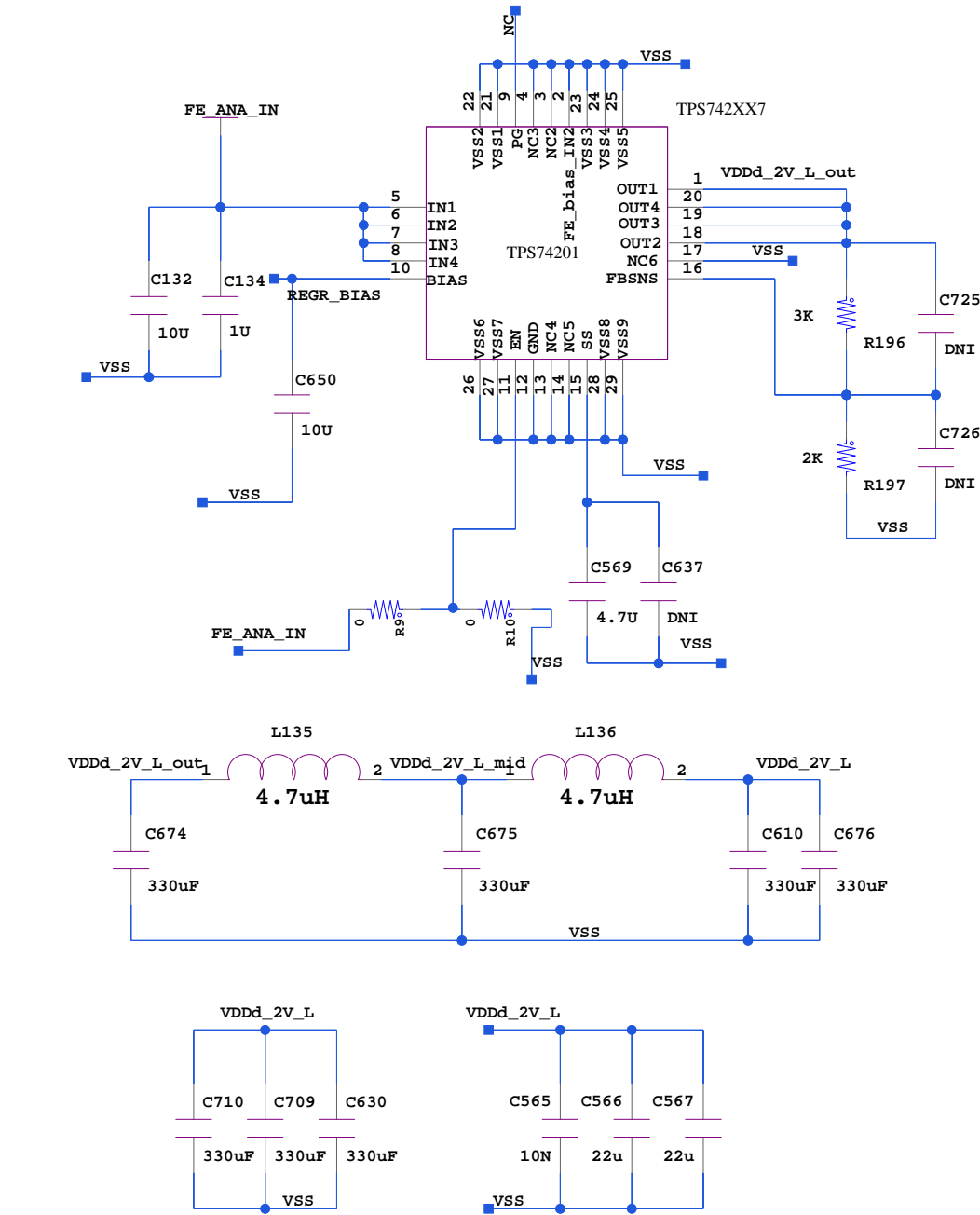
C

D

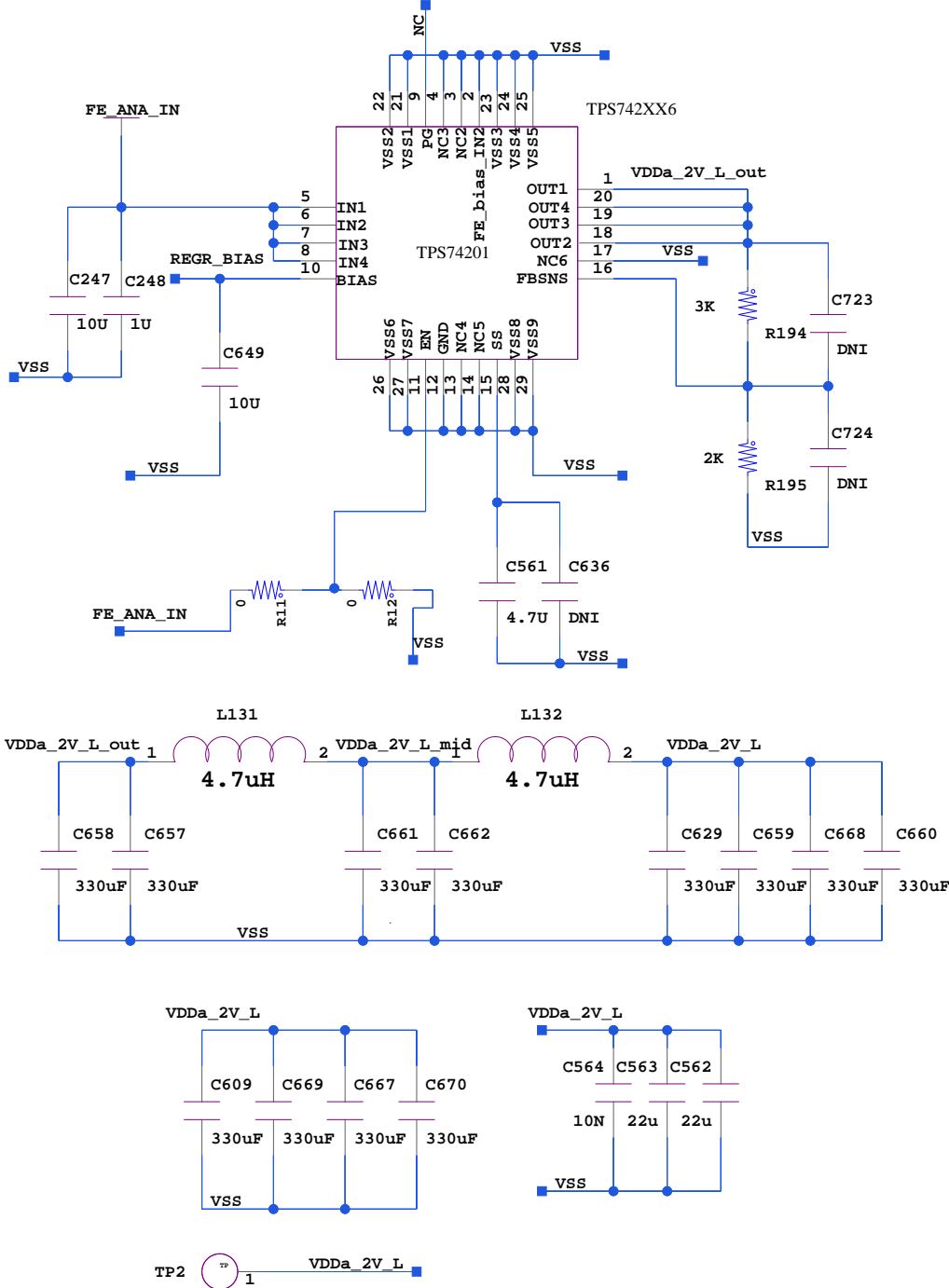
E

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

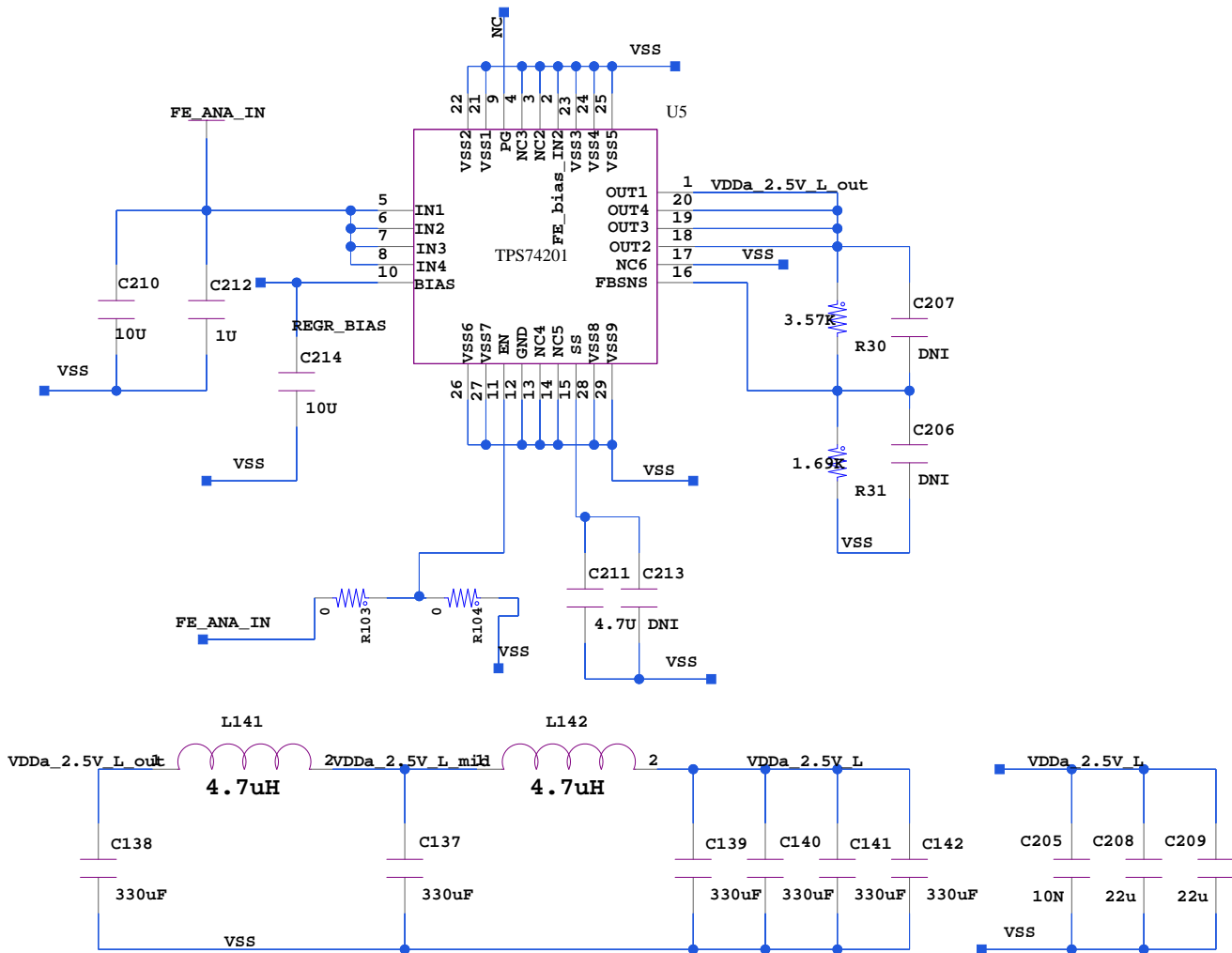
C

D

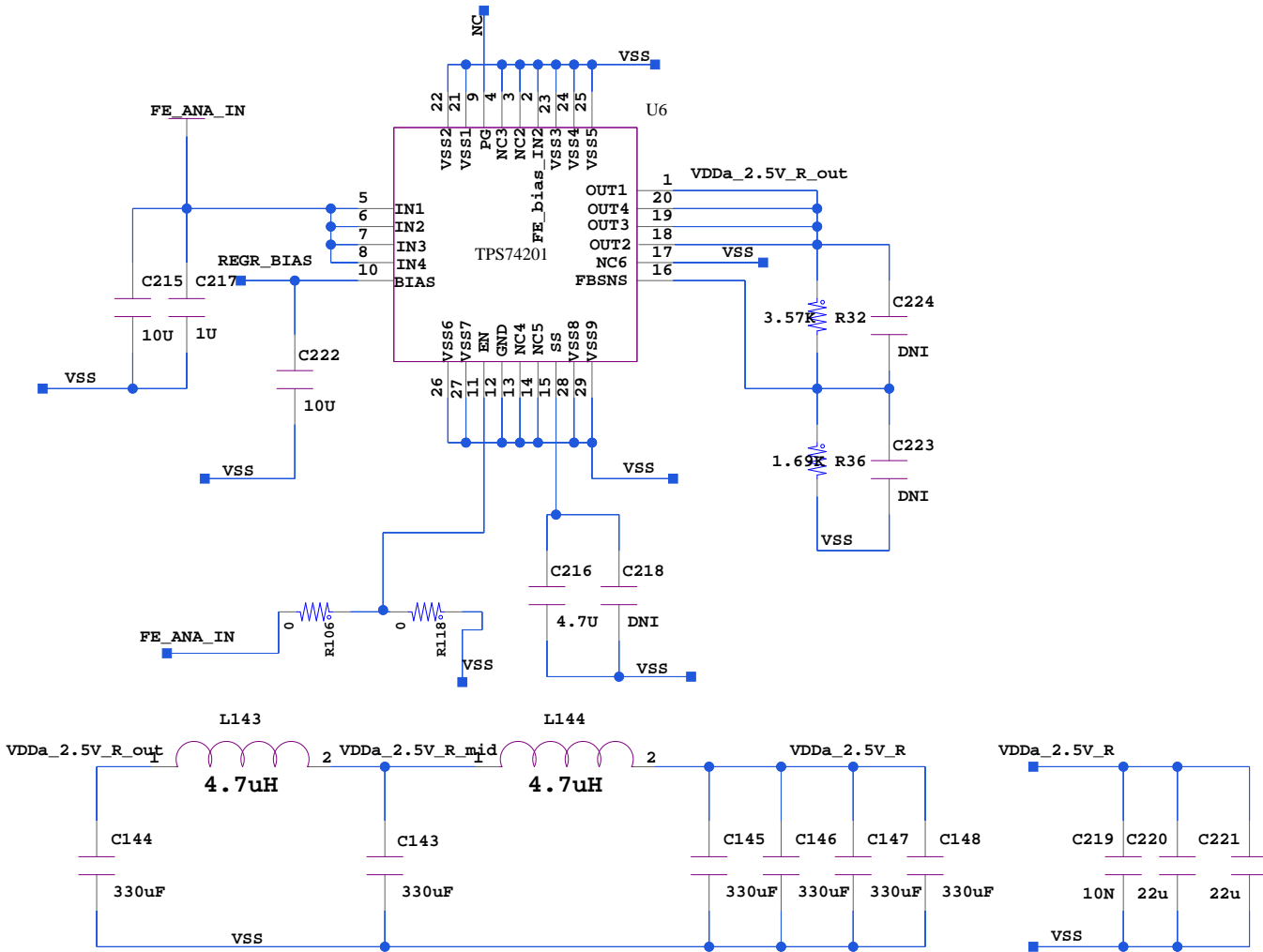
E

F

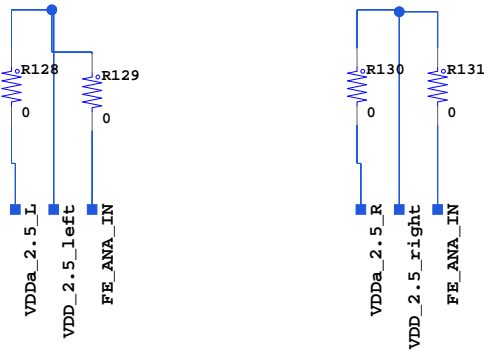
Left Analog 2.5V



Right Analog 2.5V

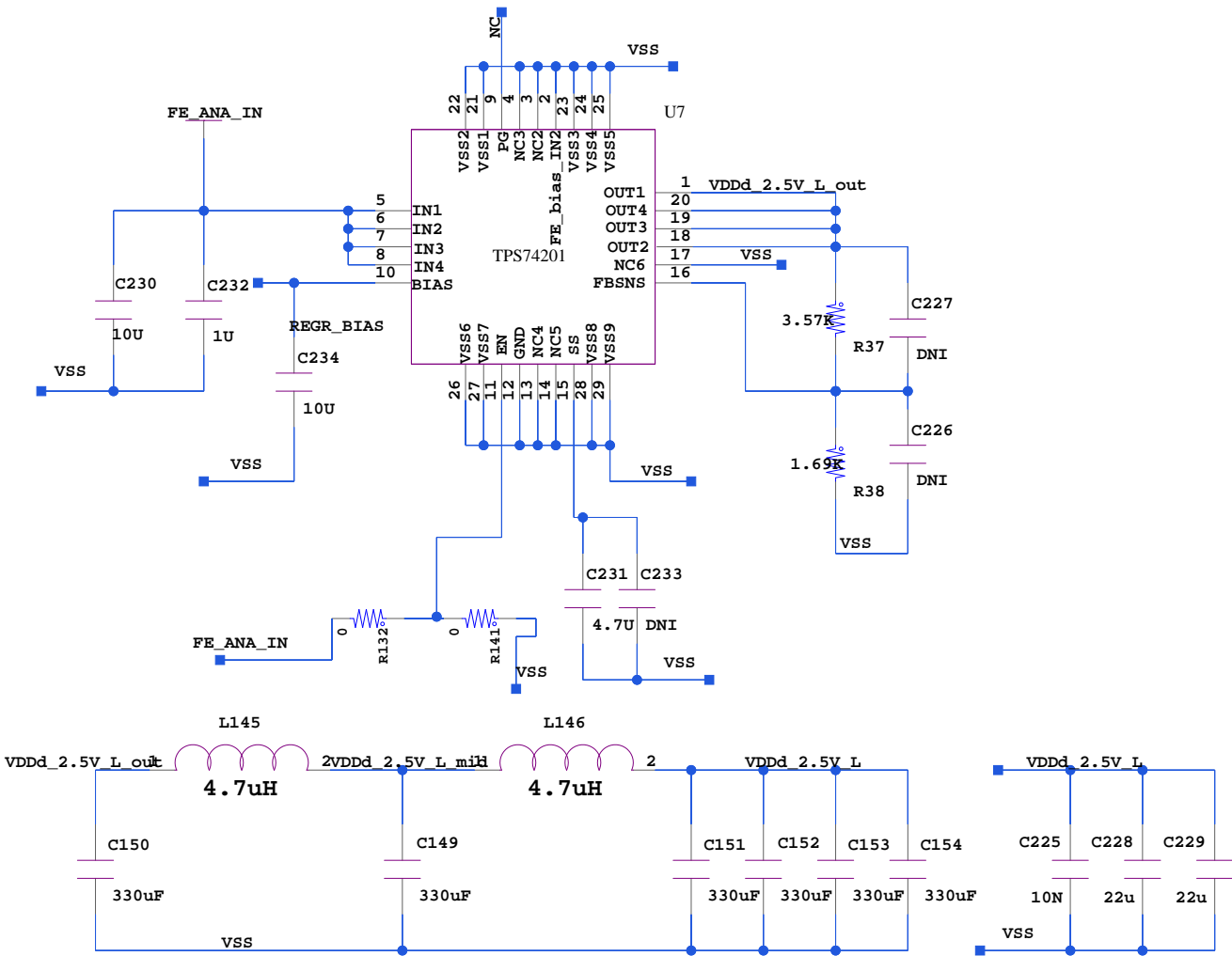


Select raw power in or ldo 2.5 out

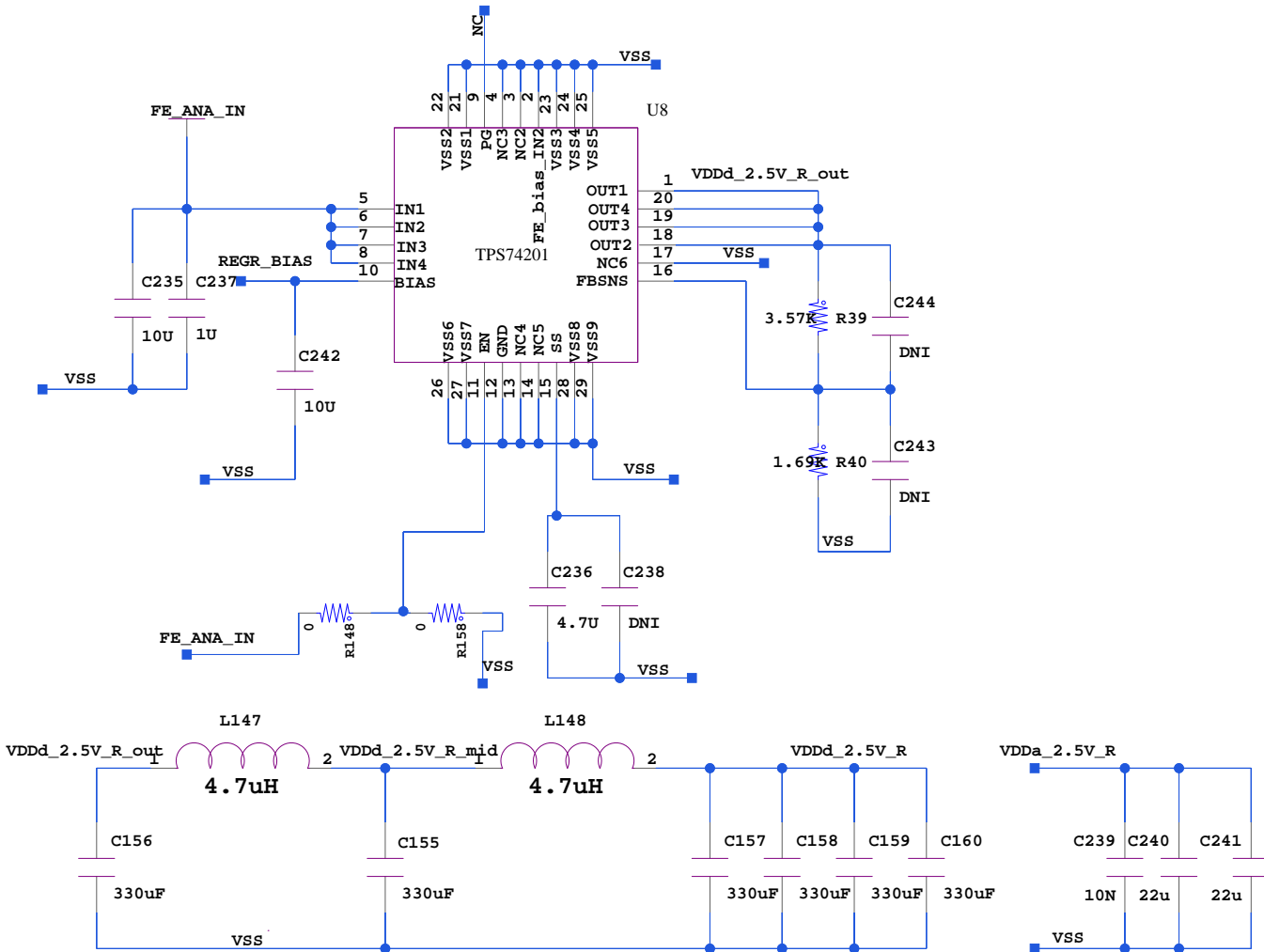


TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	5	OF 13
DRAWN	JEFF KLEYNER	DATE	10/01/2020:22:59	

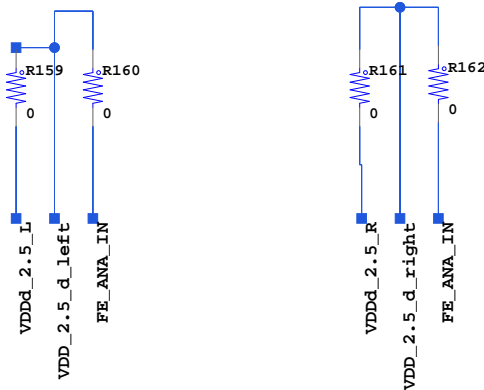
Left Digital 2.5V



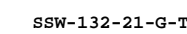
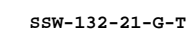
Right Digital 2.5V



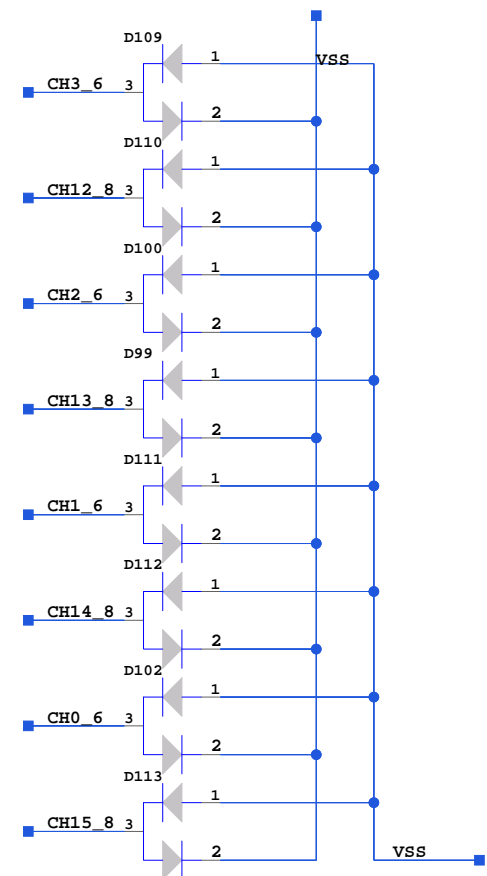
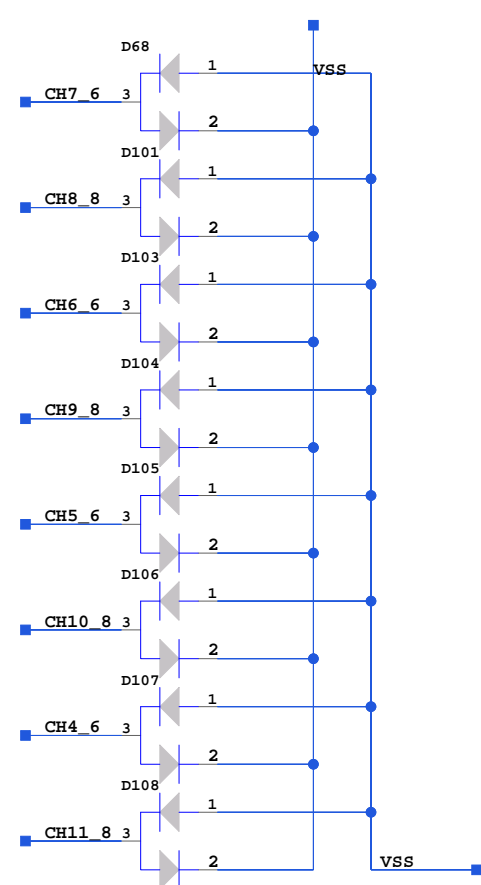
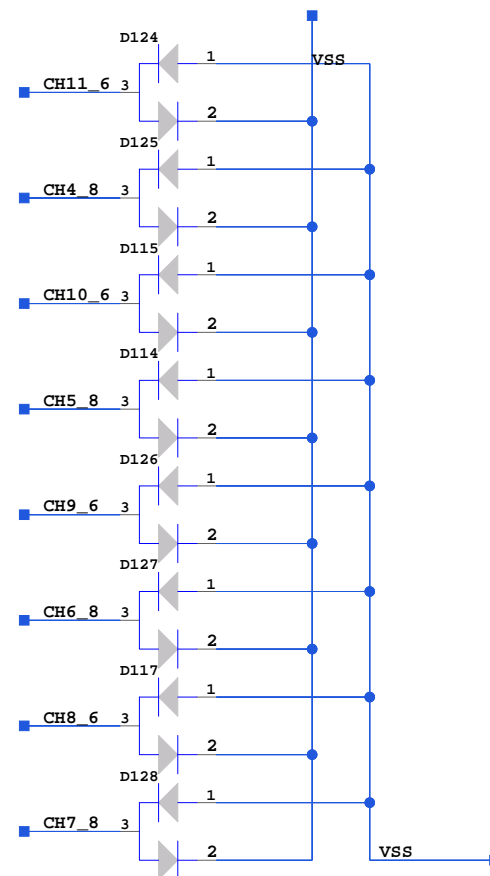
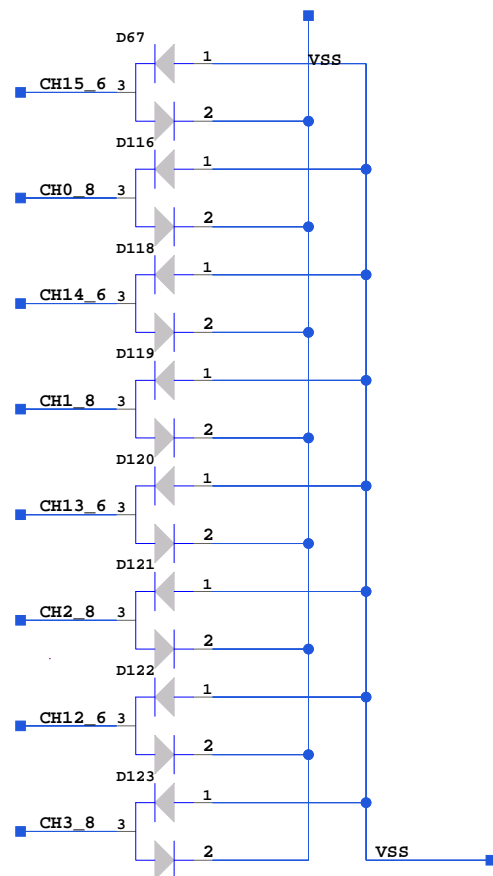
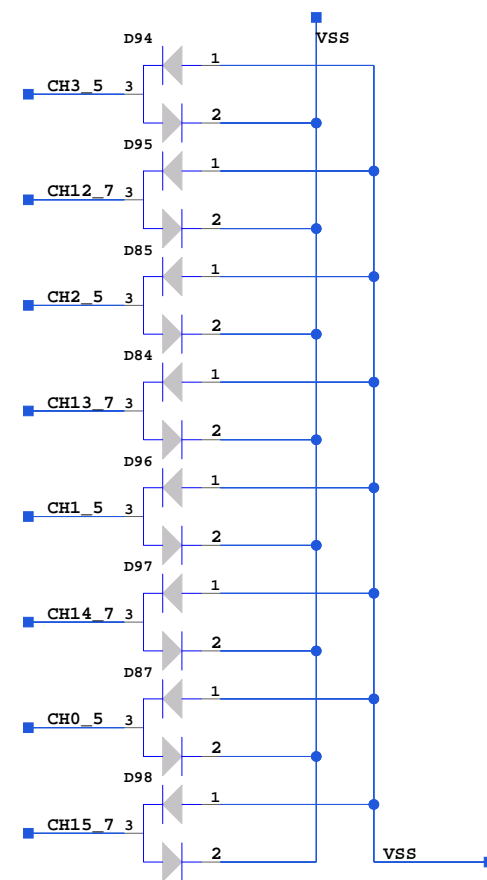
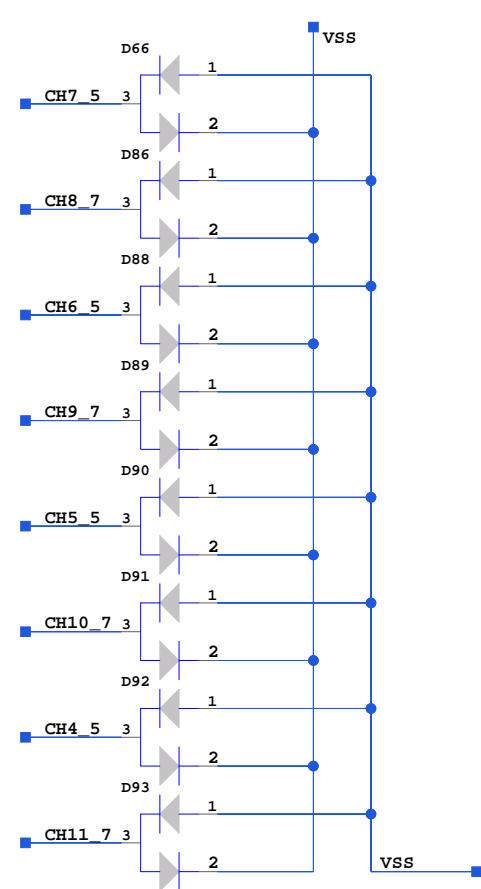
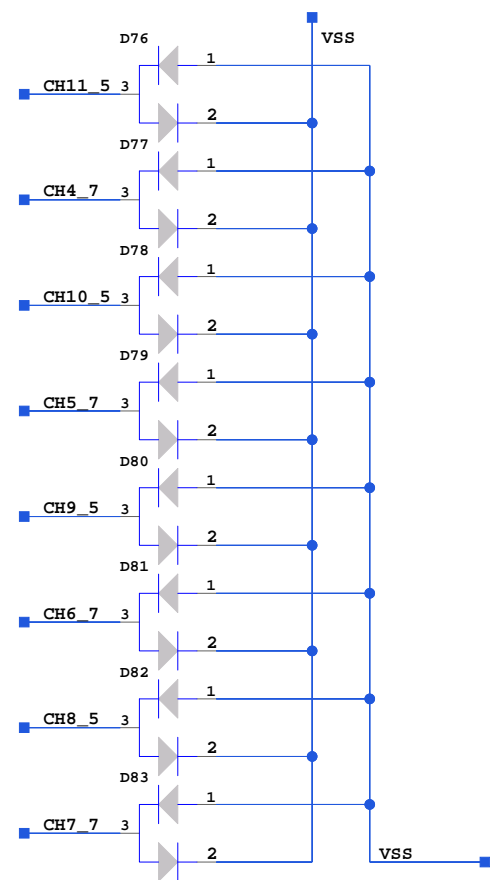
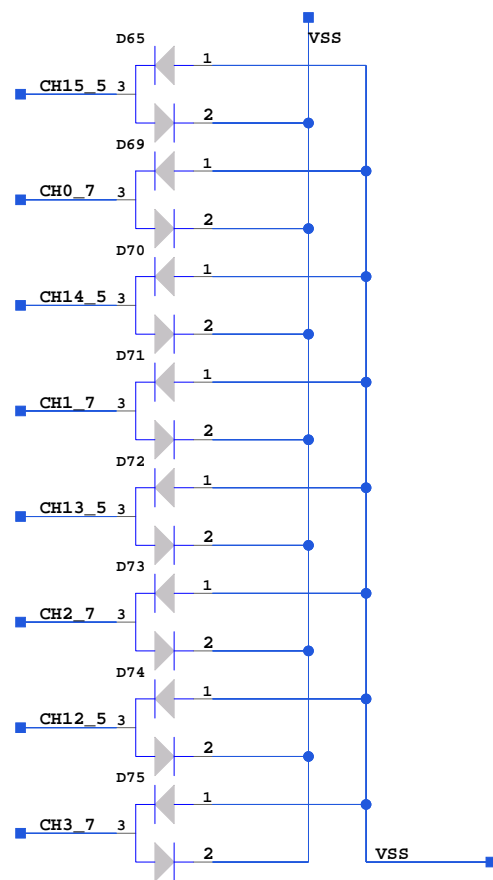
Select raw power in or ldo 2.5 out

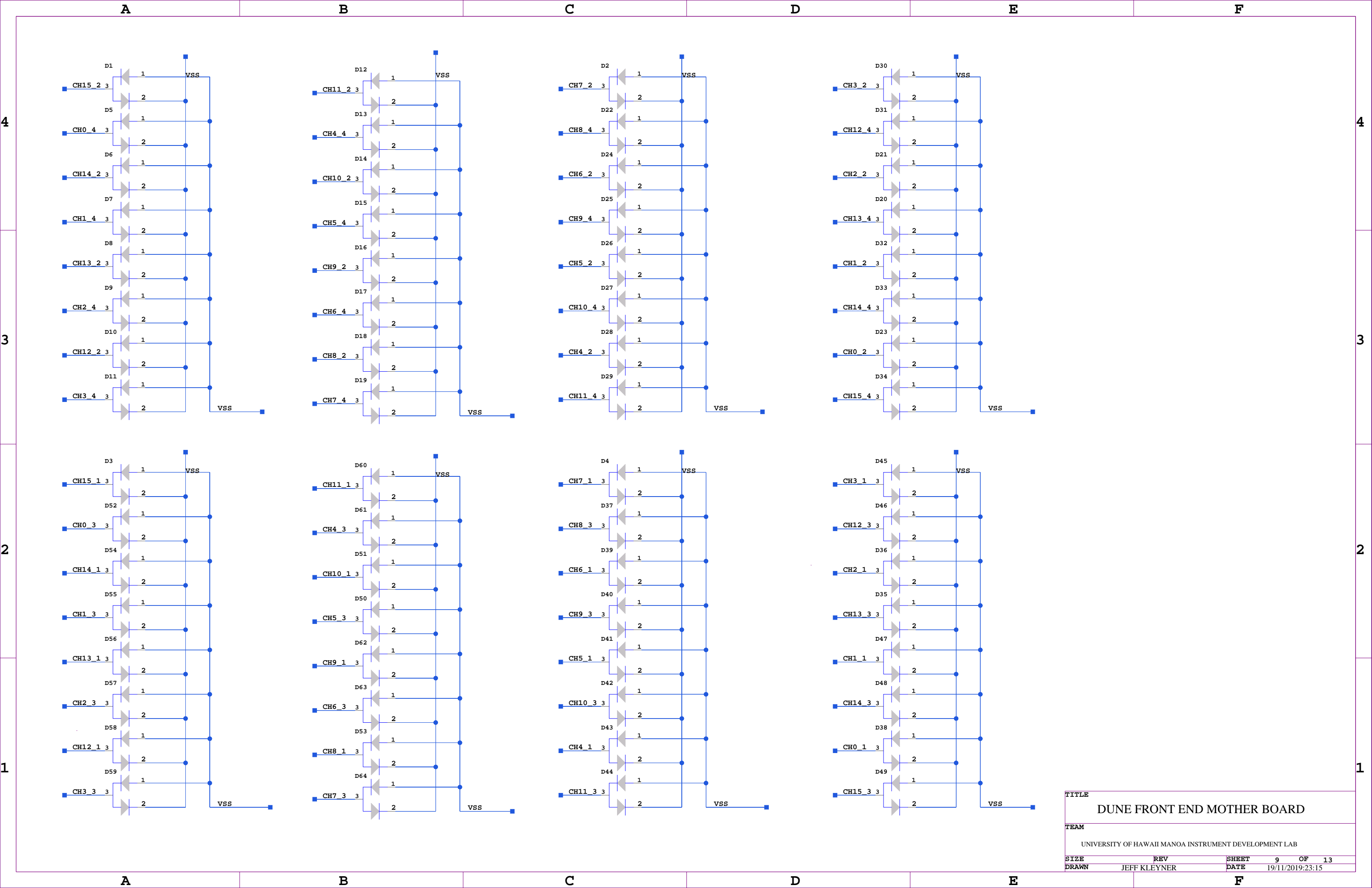


TITLE					
DUNE FRONT END MOTHER BOARD					
TEAM					
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB					
SIZE	REV	SHEET	6	OF	13
DRAWN	JEFF KLEYNER	DATE	10/01/2020:22:59		



TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	7	OF 13
DRAWN	JEFF KLEYNER	DATE	08/10/2019:17:35	





D3

CH15_1_3

1

2

VSS

D52

CH0_3_3

1

2

D54

CH14_1_3

1

2

D55

CH1_3_3

1

2

D56

CH13_1_3

1

2

D57

CH2_3_3

1

2

D58

CH12_1_3

1

2

D59

CH3_3_3

1

2

VSS

D60

CH11_1_3

1

2

VSS

D61

CH4_3_3

1

2

D51

CH10_1_3

1

2

D50

CH5_3_3

1

2

D62

CH9_1_3

1

2

D63

CH6_3_3

1

2

D53

CH8_1_3

1

2

D64

CH7_3_3

1

2

VSS

D4

CH7_1_3

1

2

VSS

D37

CH8_3_3

1

2

D39

CH6_1_3

1

2

D40

CH9_3_3

1

2

D41

CH5_1_3

1

2

D42

CH10_3_3

1

2

D43

CH4_1_3

1

2

D44

CH11_3_3

1

2

VSS

D45

CH3_1_3

1

2

VSS

D46

CH12_3_3

1

2

D36

CH2_1_3

1

2

D35

CH13_3_3

1

2

D47

CH1_1_3

1

2

D48

CH14_3_3

1

2

D38

CH0_1_3

1

2

D49

CH15_3_3

1

2

VSS

A

B

C

D

E

F

TITLE

DUNE FRONT END MOTHER BOARD

TEAM

UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB

SIZE

REV

SHEET

9

OF

13

DRAWN

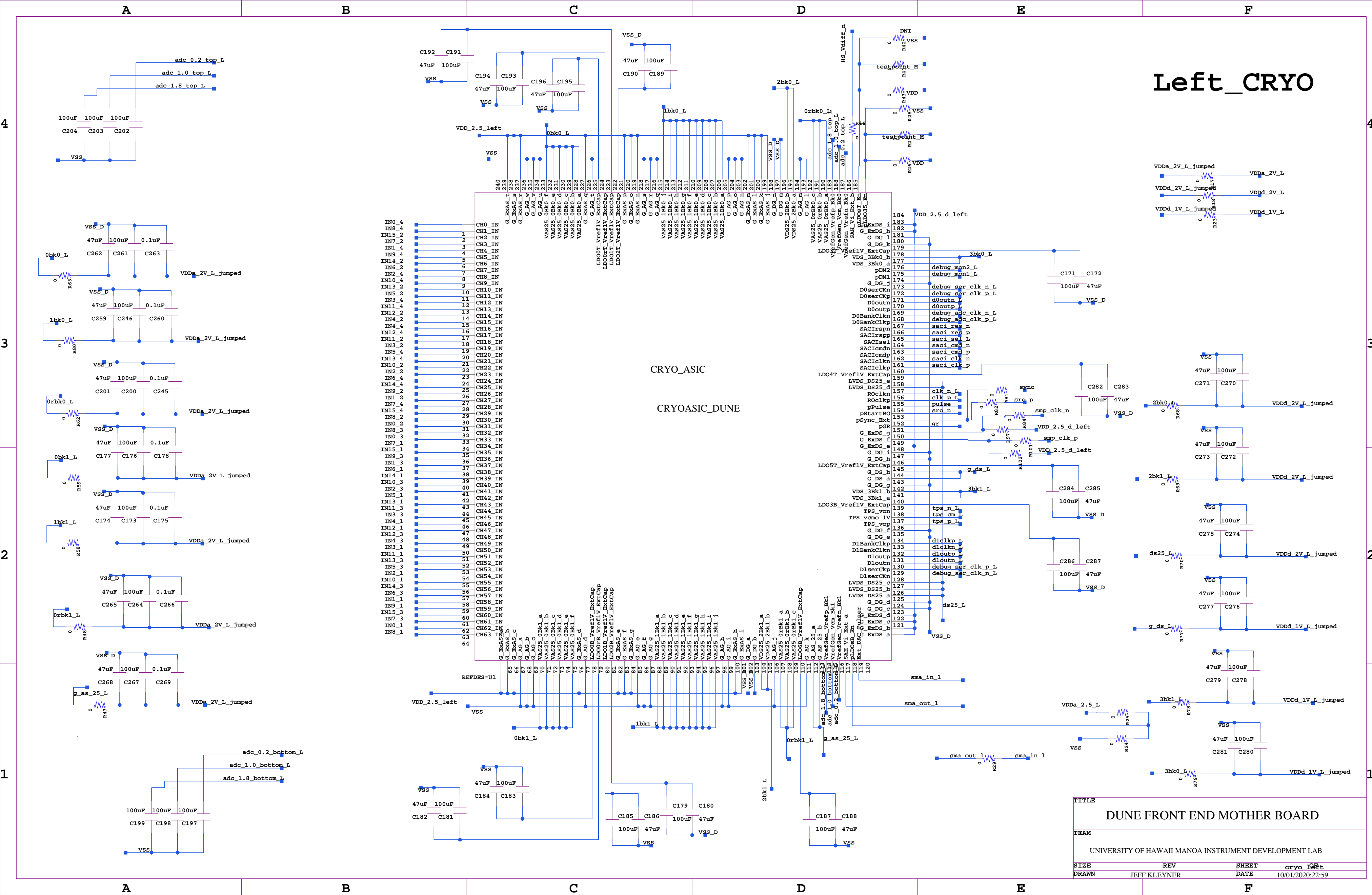
JEFF KLEYNER

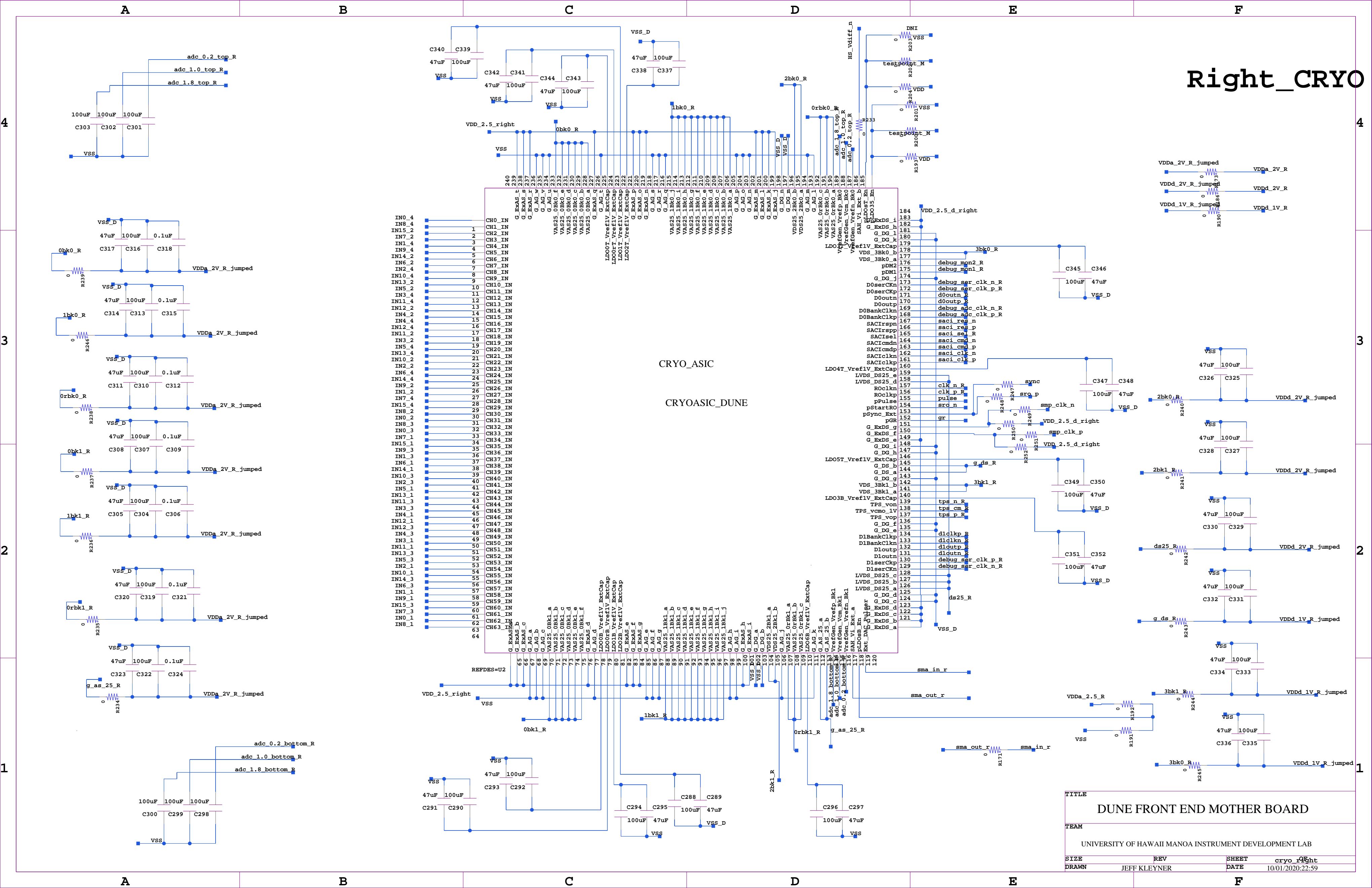
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19/11/2019:23:15



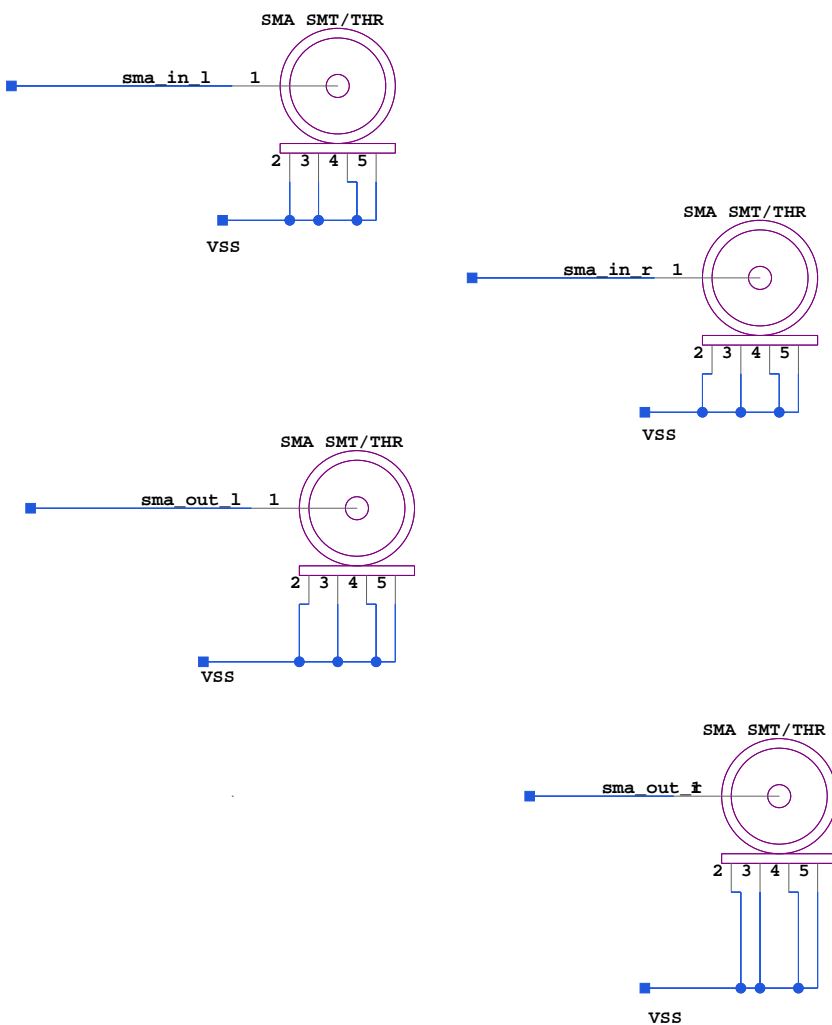
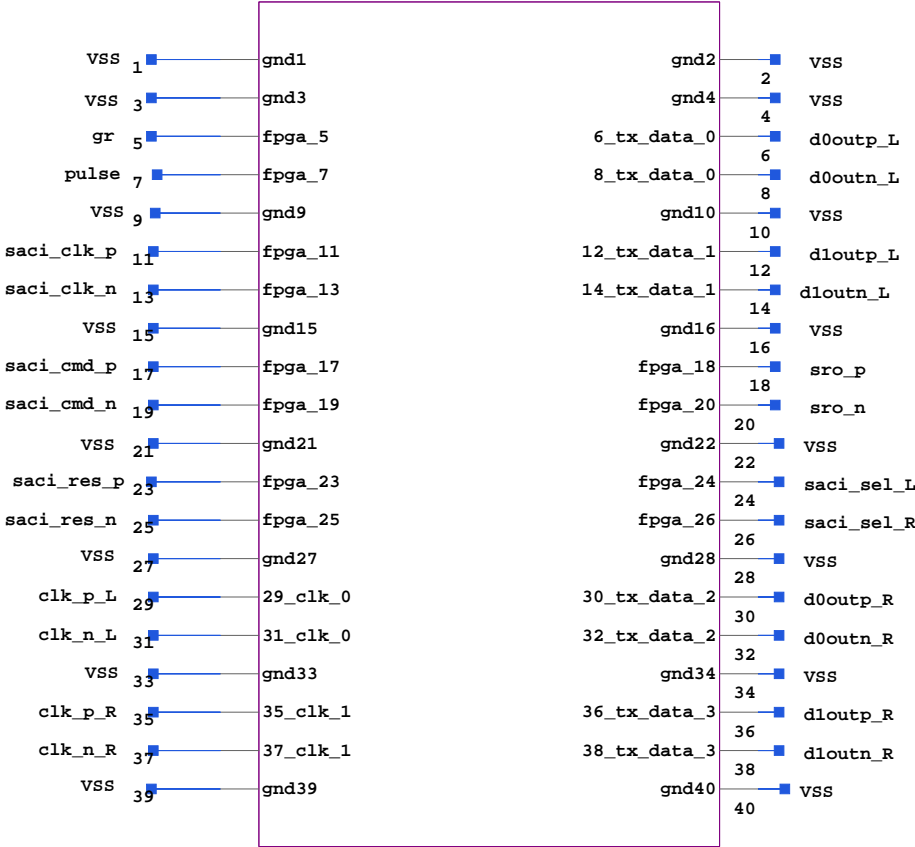
TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	10	OF 13
DRAWN	JEFF KLEYNER	DATE	10/01/2020:22:59	





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	