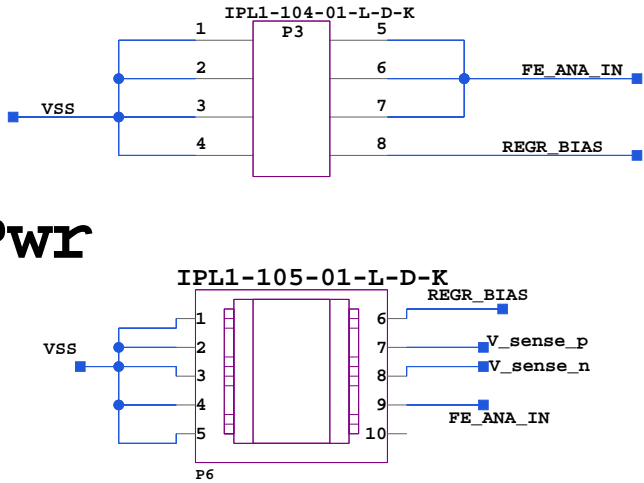
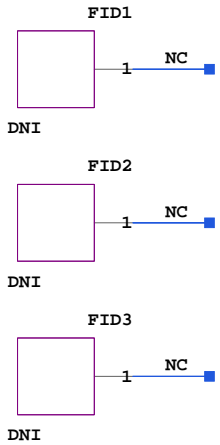
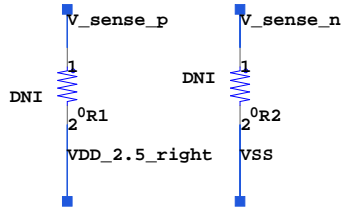


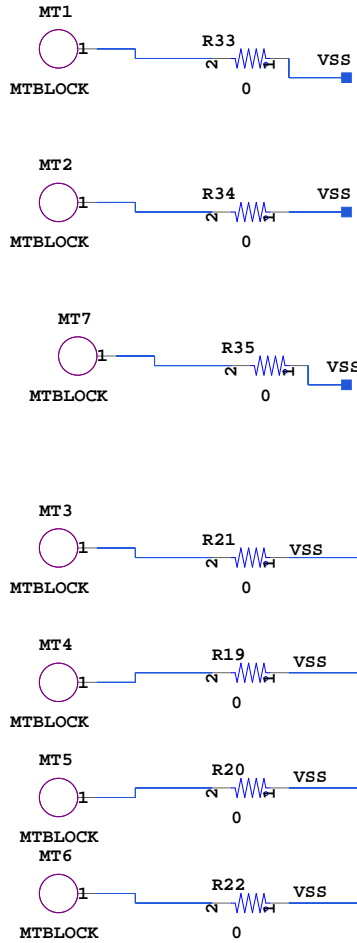
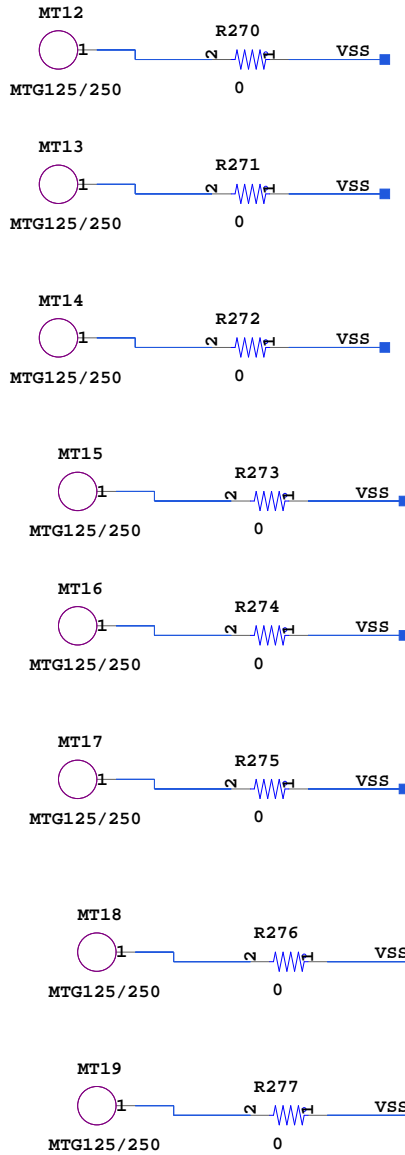
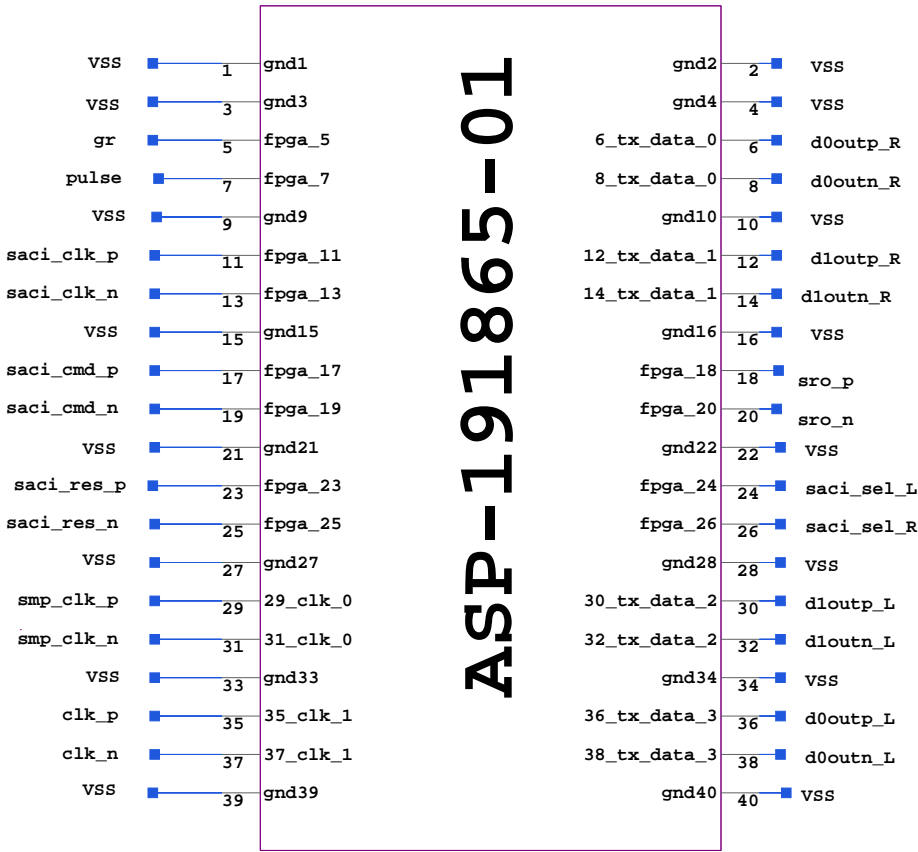
Raw Pwr



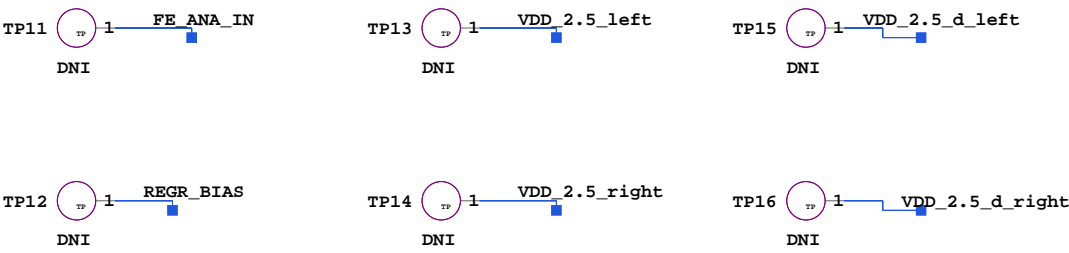
sense lines. Keep resistors close to asic. in between both



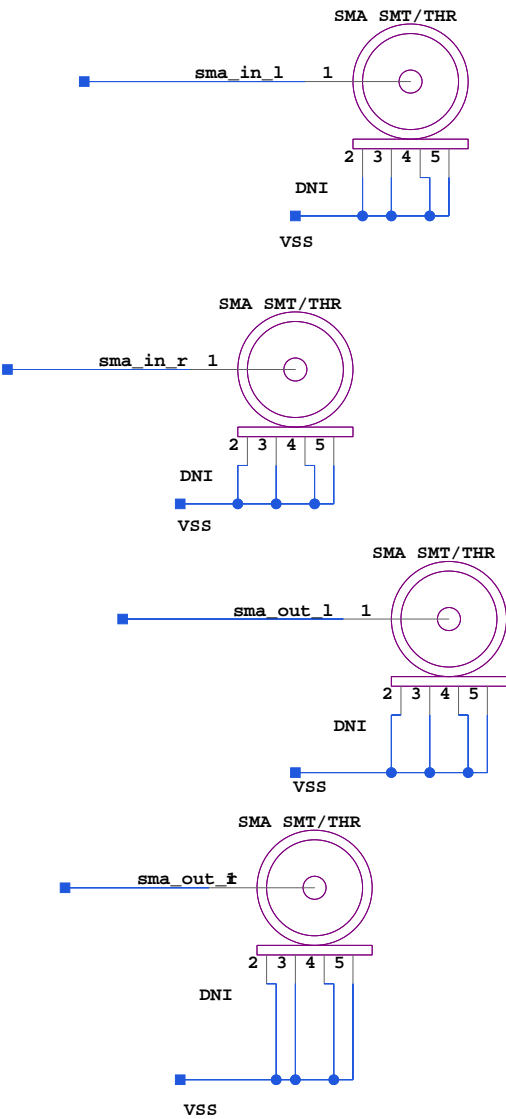
WIB DATA Connector



Testpoints

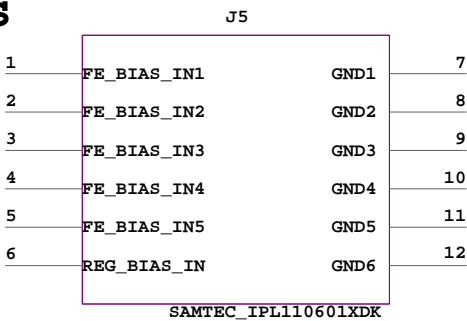
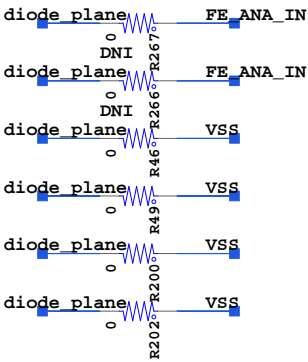


Ext. Monitor

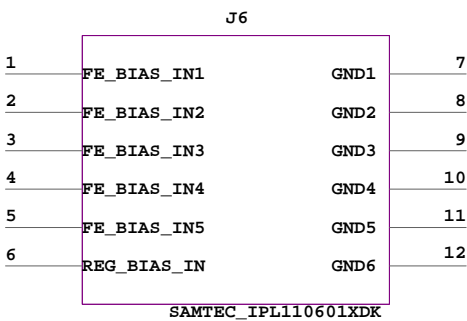


Input protection diode load options

load R266,267 for VDD
load R46,49,200,202 for VSS



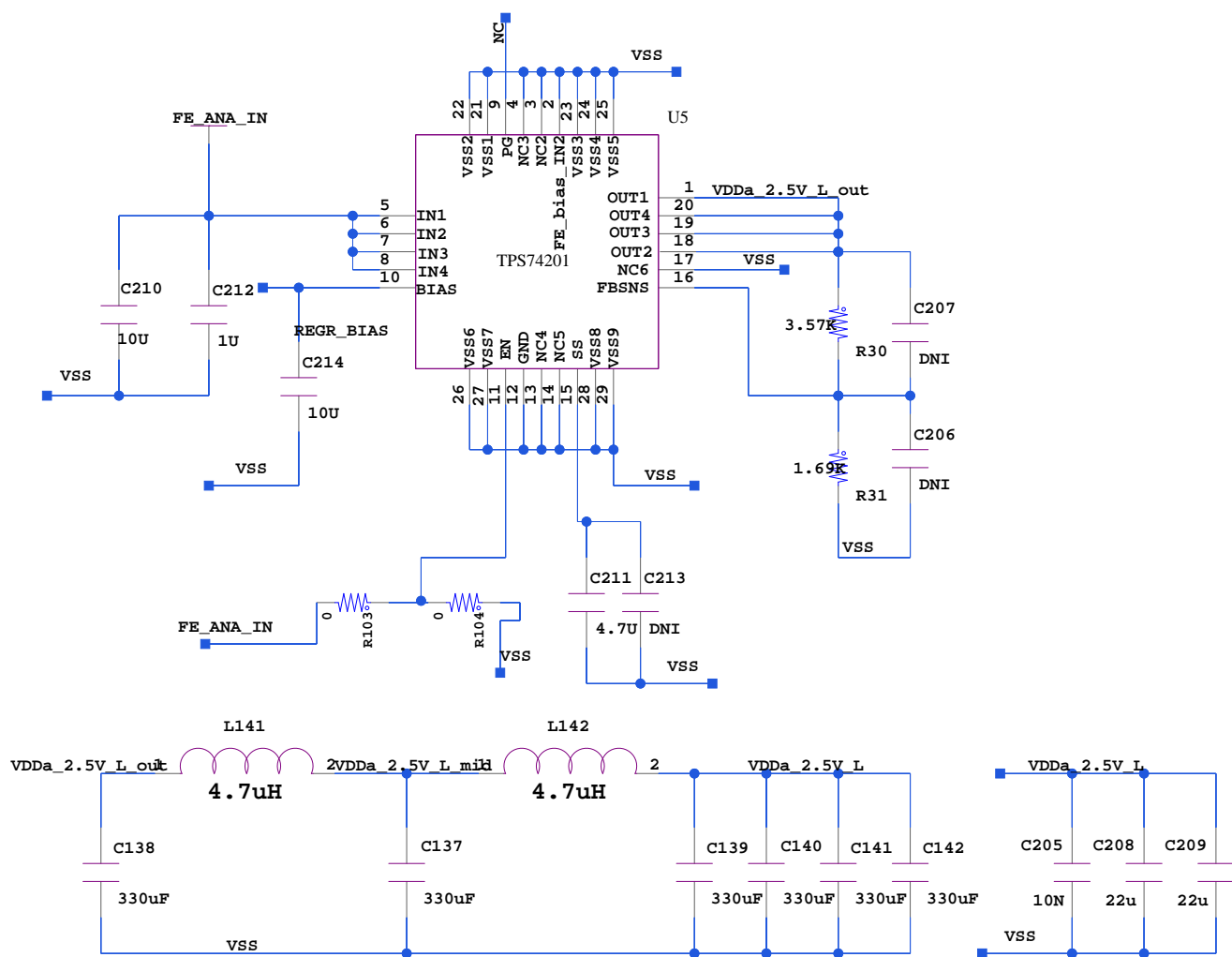
testpoints



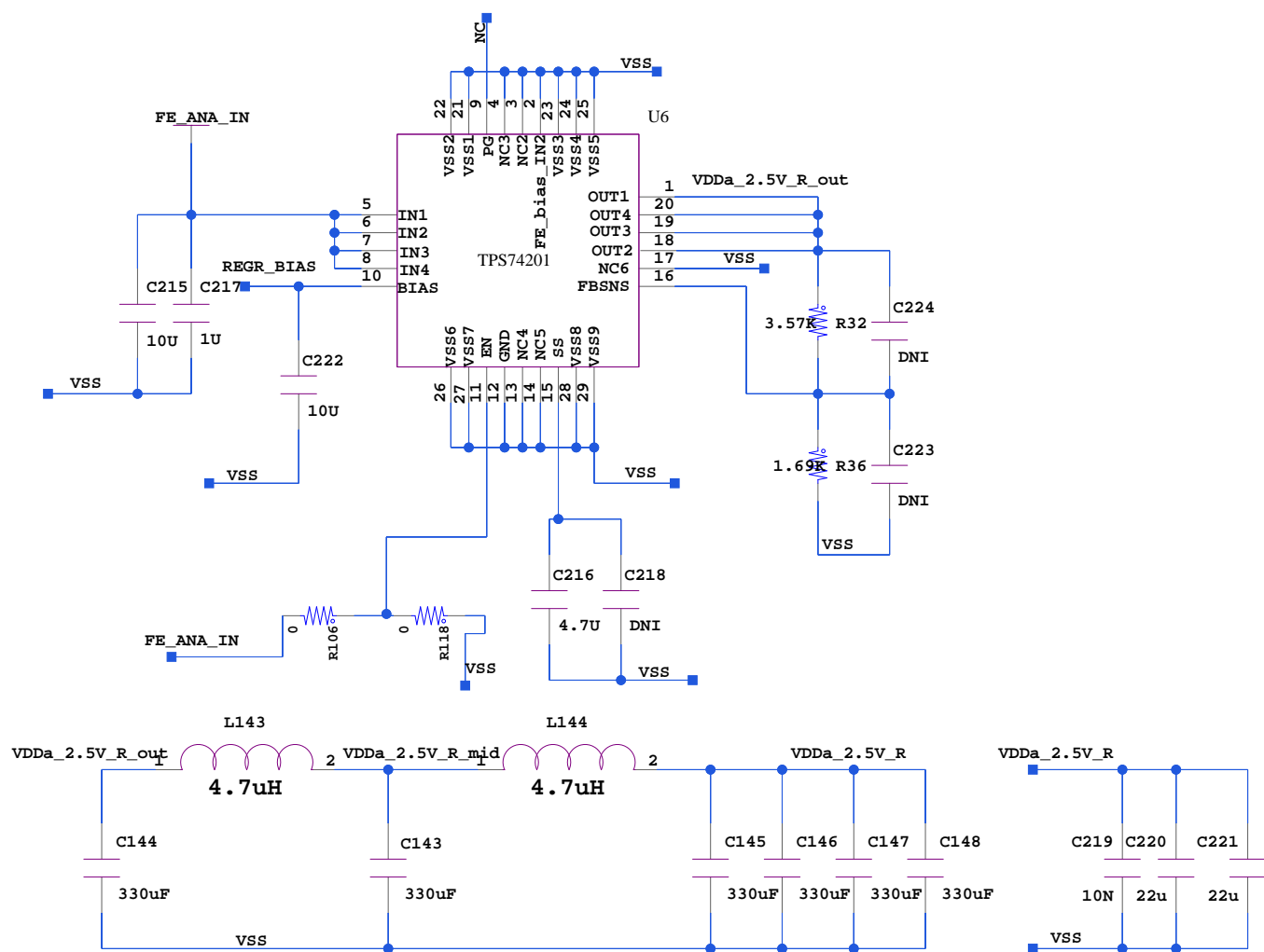
2/19/21: not in use yet,
but replacing test points
from cryo_L_R pages

TITLE					
DUNE FRONT END MOTHER BOARD					
TEAM					
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB					
SIZE	REV	SHEET	3	OF	12
DRAWN	JEFF KLEYNER	DATE	19/02/2021:17:32		

Left Analog 2.5V



Right Analog 2.5V



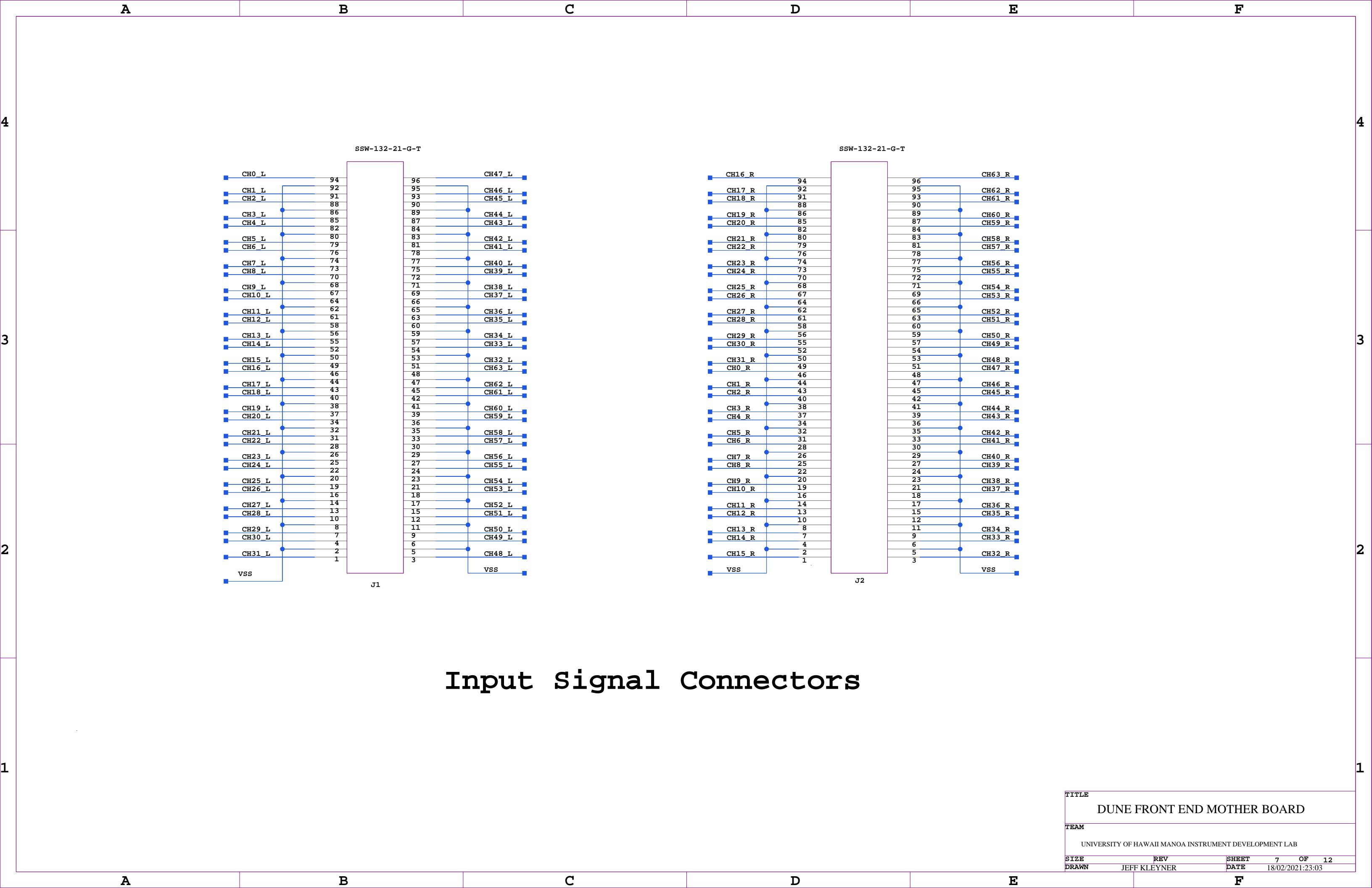
Select raw power in or ldo 2.5 out

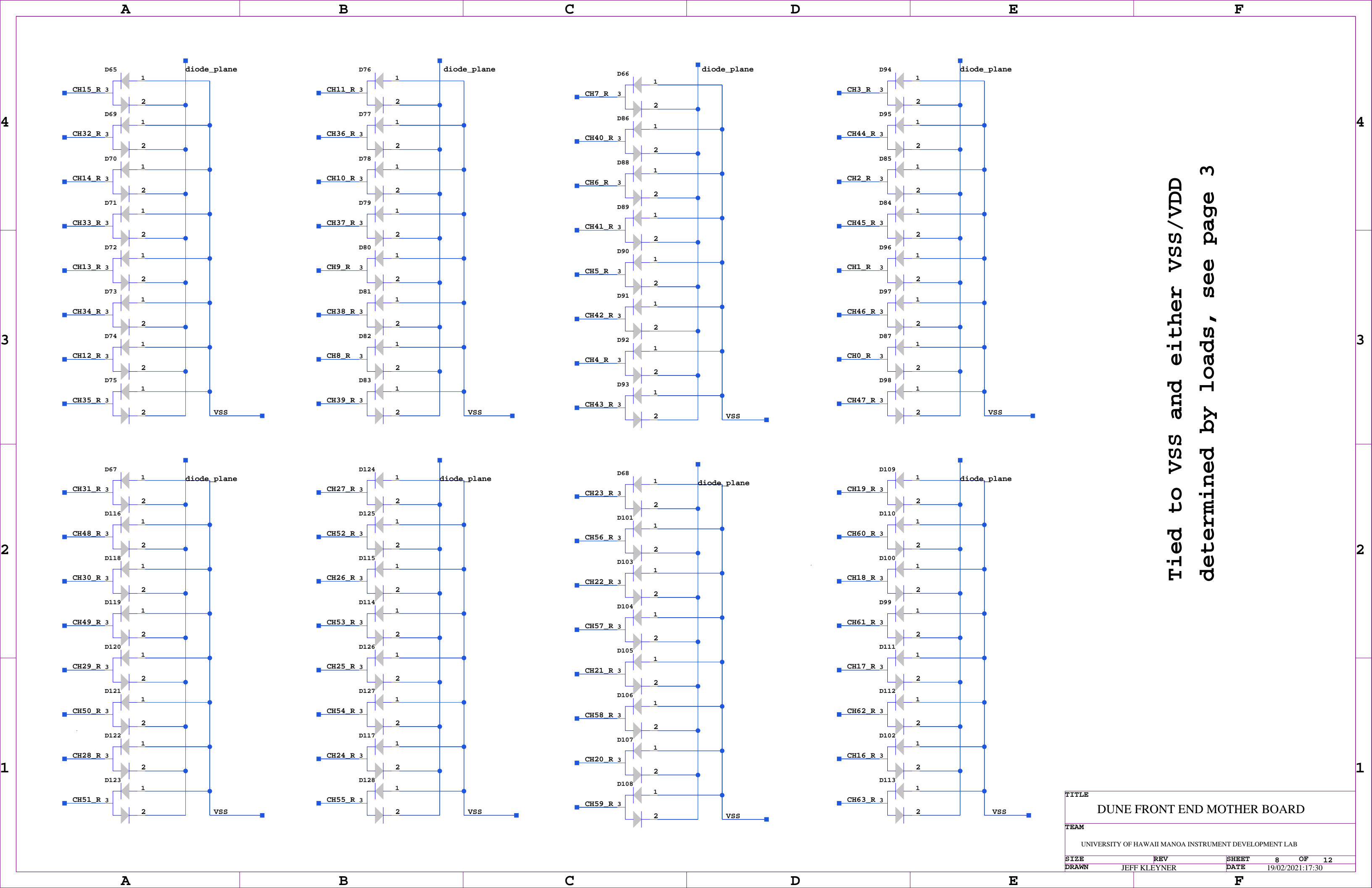


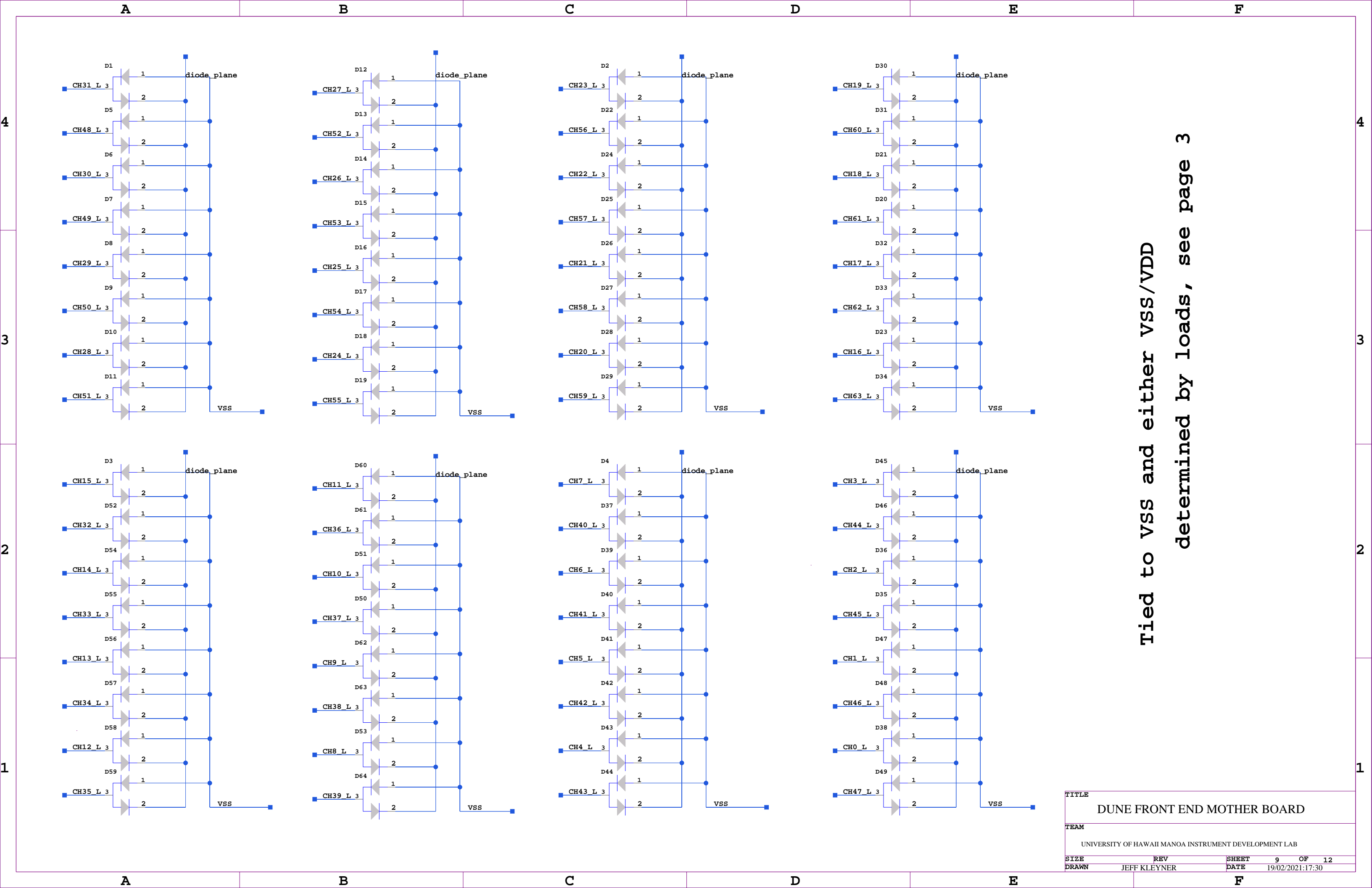
load R128 for LDO, R129 for raw PWR

load R130 for LDO, R131 for raw PWR

TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	5	OF 12
DRAWN	JEFF KLEYNER	DATE	19/02/2021:17:32	









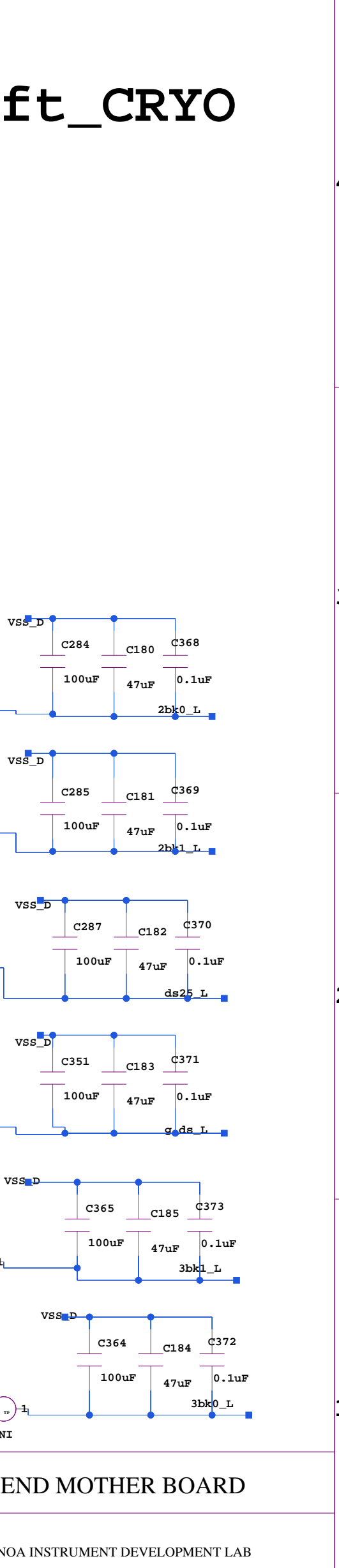
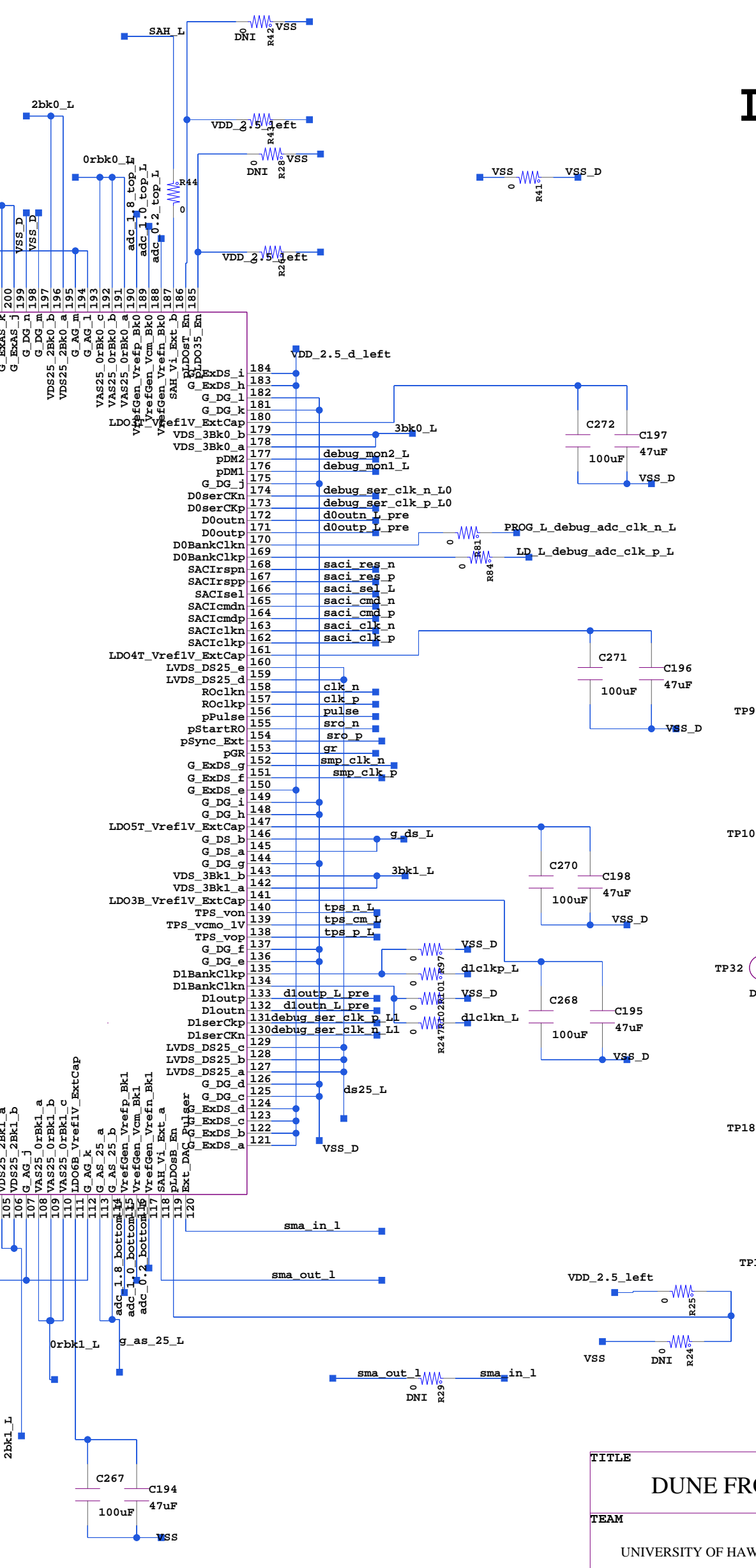
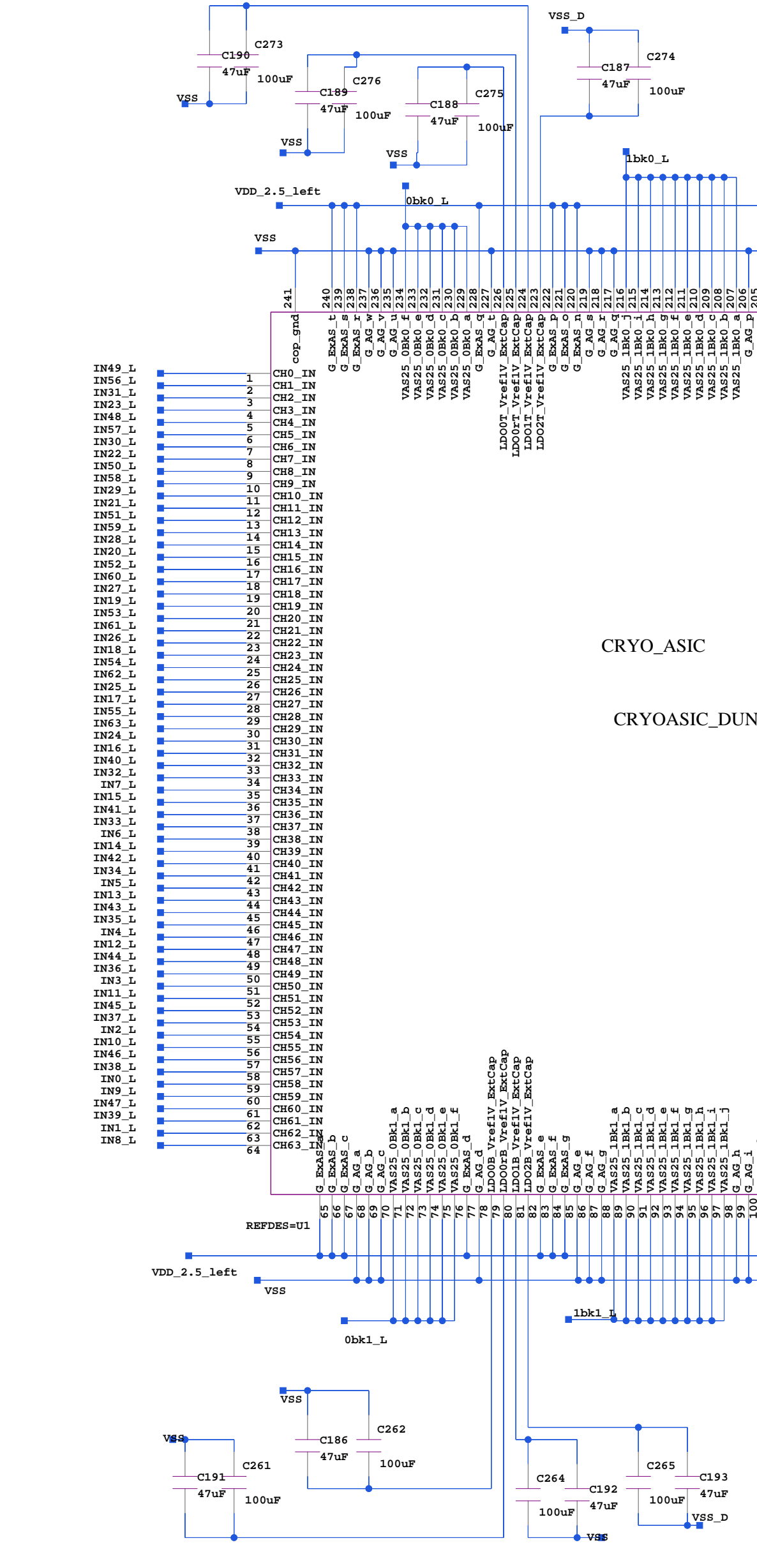
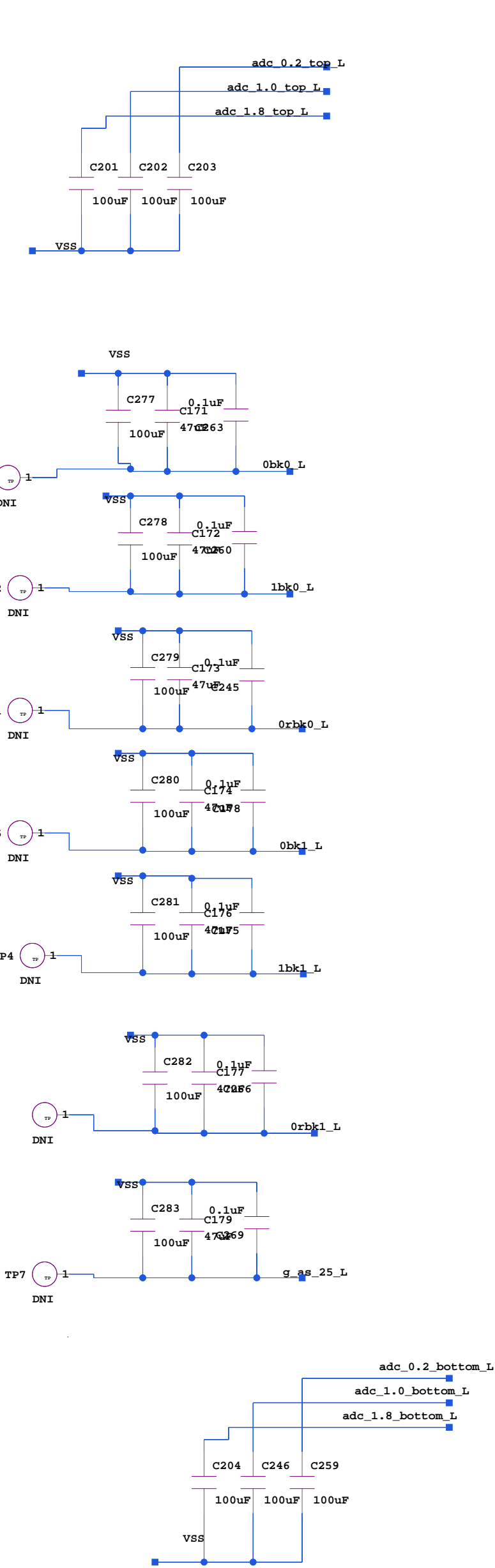
TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	10	OF 12
DRAWN	JEFF KLEYNER	DATE	19/02/2021:17:44	

4

3

2

1



Left_CRYO

CRYO_ASIC
CRYOASIC_DUNE

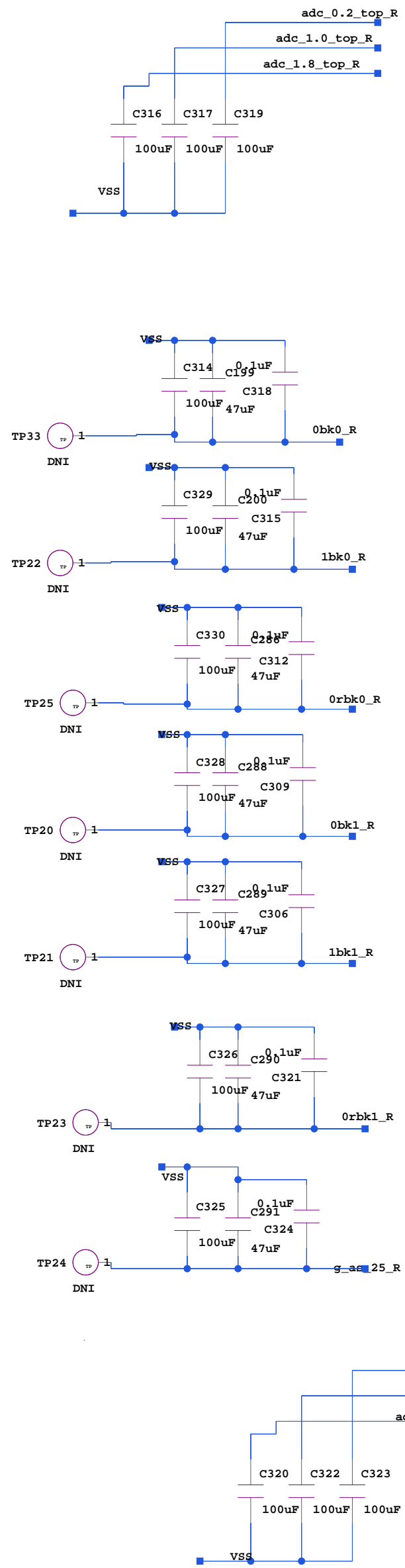
TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	cryo_left	12
DRAWN	JEFF KLEYNER	DATE	19/02/2021:17:15	

4

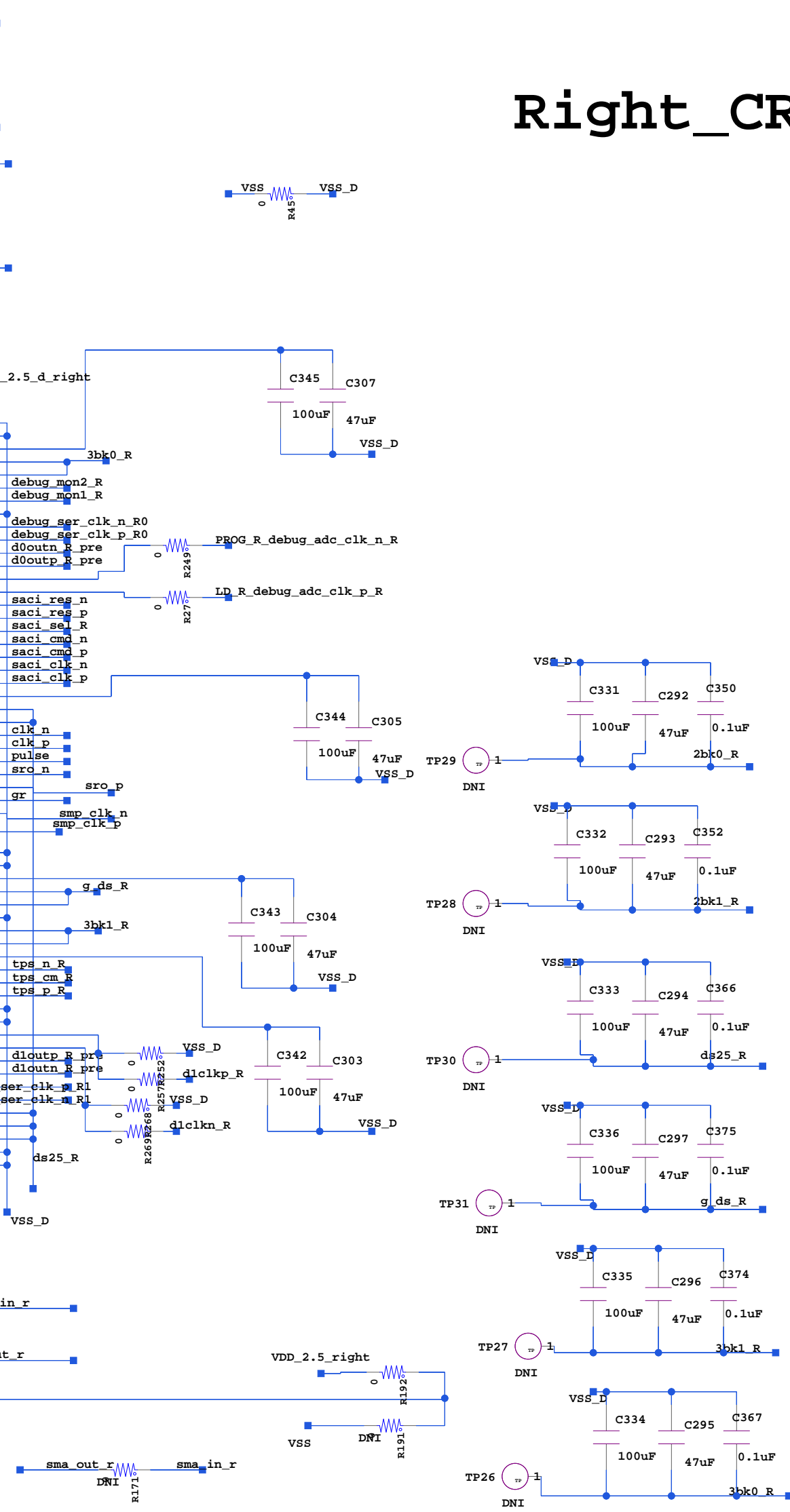
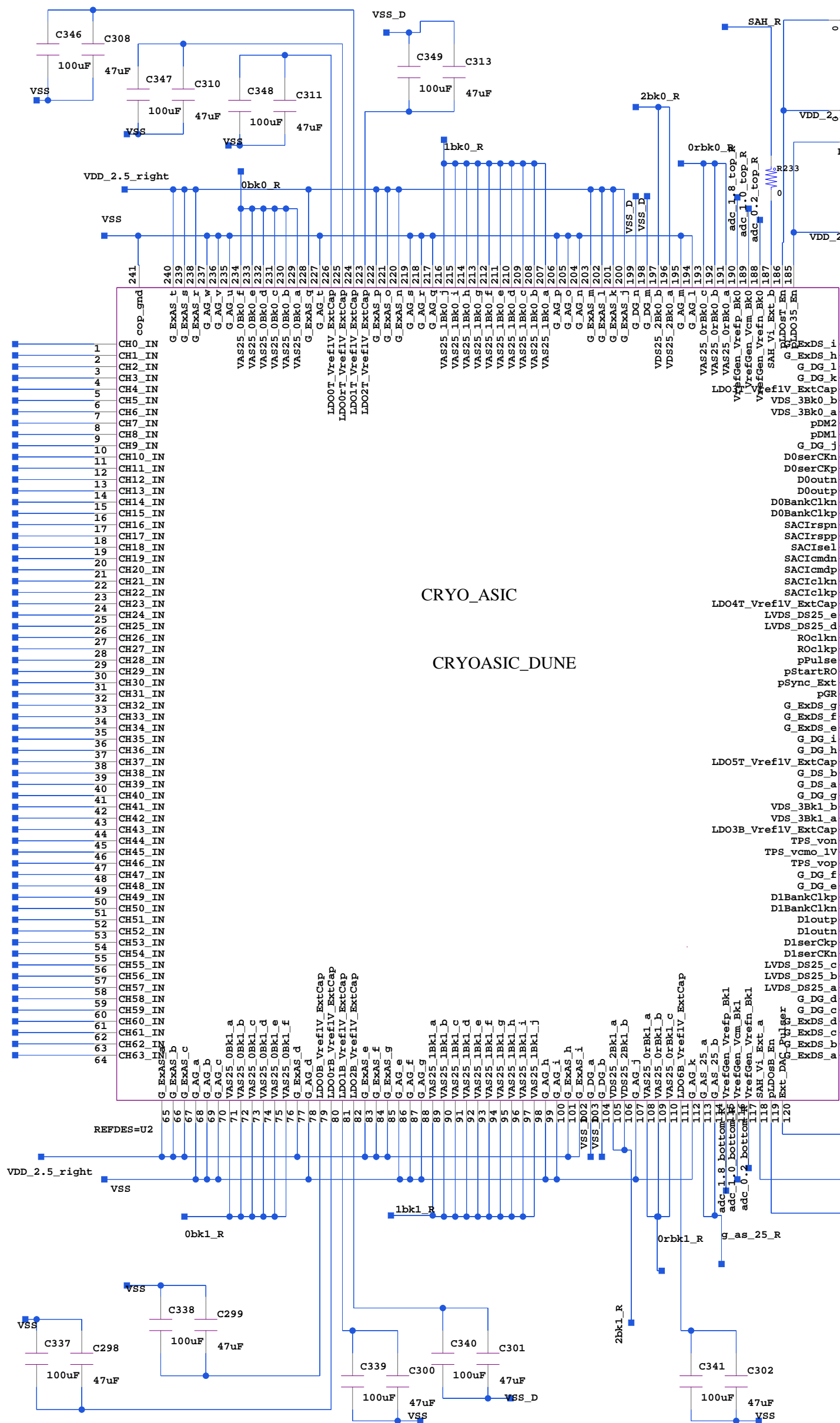
3

2

1



- IN33_R
- IN40_R
- IN15_R
- IN7_R
- IN32_R
- IN41_R
- IN14_R
- IN6_R
- IN34_R
- IN42_R
- IN13_R
- IN35_R
- IN43_R
- IN12_R
- IN4_R
- IN36_R
- IN44_R
- IN11_R
- IN3_R
- IN37_R
- IN45_R
- IN10_R
- IN2_R
- IN38_R
- IN46_R
- IN9_R
- IN39_R
- IN47_R
- IN8_R
- IN0_R
- IN56_R
- IN48_R
- IN23_R
- IN31_R
- IN57_R
- IN49_R
- IN22_R
- IN30_R
- IN58_R
- IN50_R
- IN21_R
- IN29_R
- IN59_R
- IN51_R
- IN20_R
- IN28_R
- IN60_R
- IN52_R
- IN19_R
- IN27_R
- IN61_R
- IN53_R
- IN18_R
- IN26_R
- IN62_R
- IN54_R
- IN16_R
- IN25_R
- IN63_R
- IN55_R
- IN17_R
- IN24_R



TITLE			
DUNE FRONT END MOTHER BOARD			
TEAM			
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB			
SIZE	REV	SHEET	cryo_right 12
DRAWN	JEFF KLEYNER	DATE	19/02/2021:17:16

Right_CRYO

