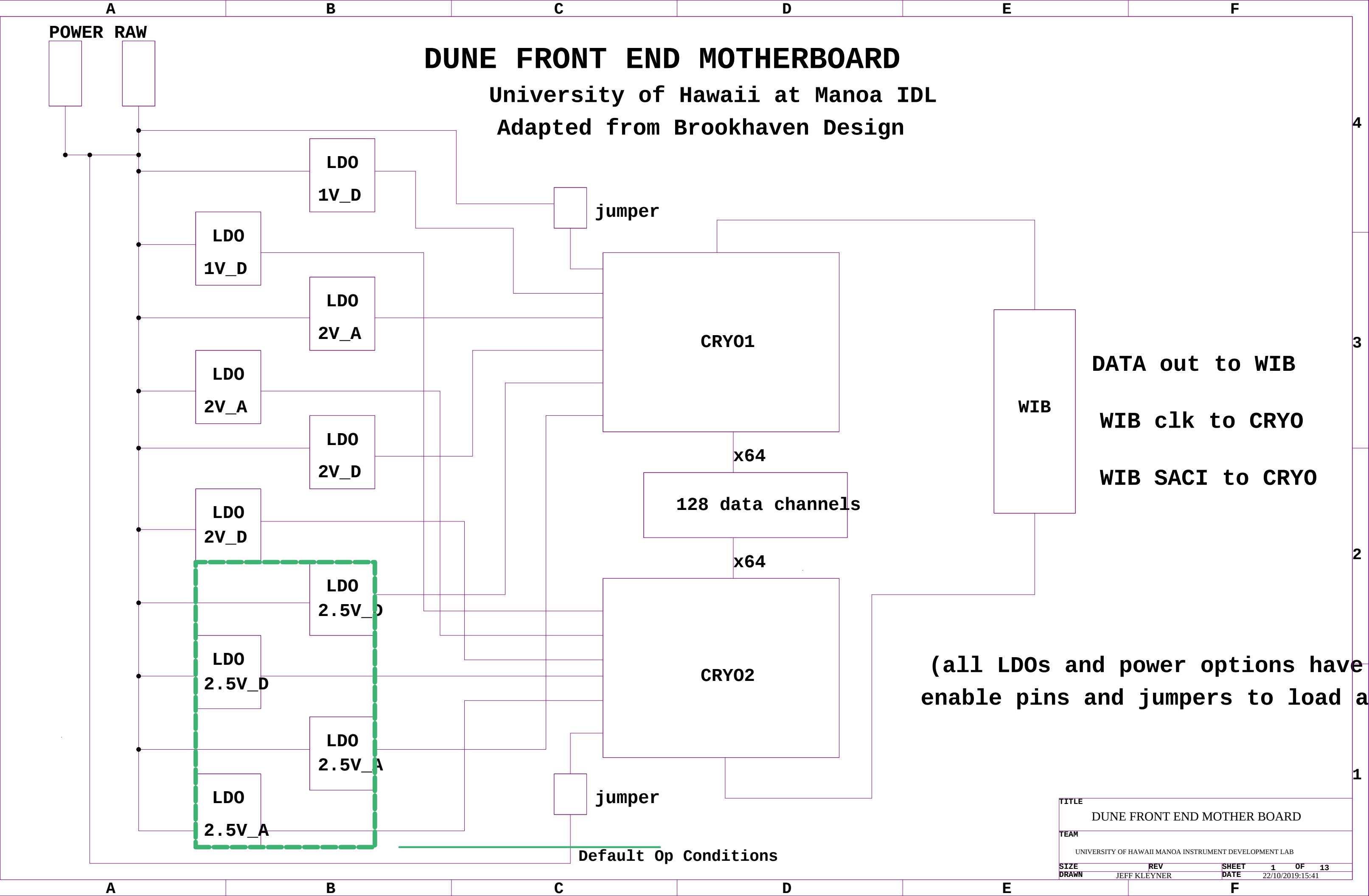
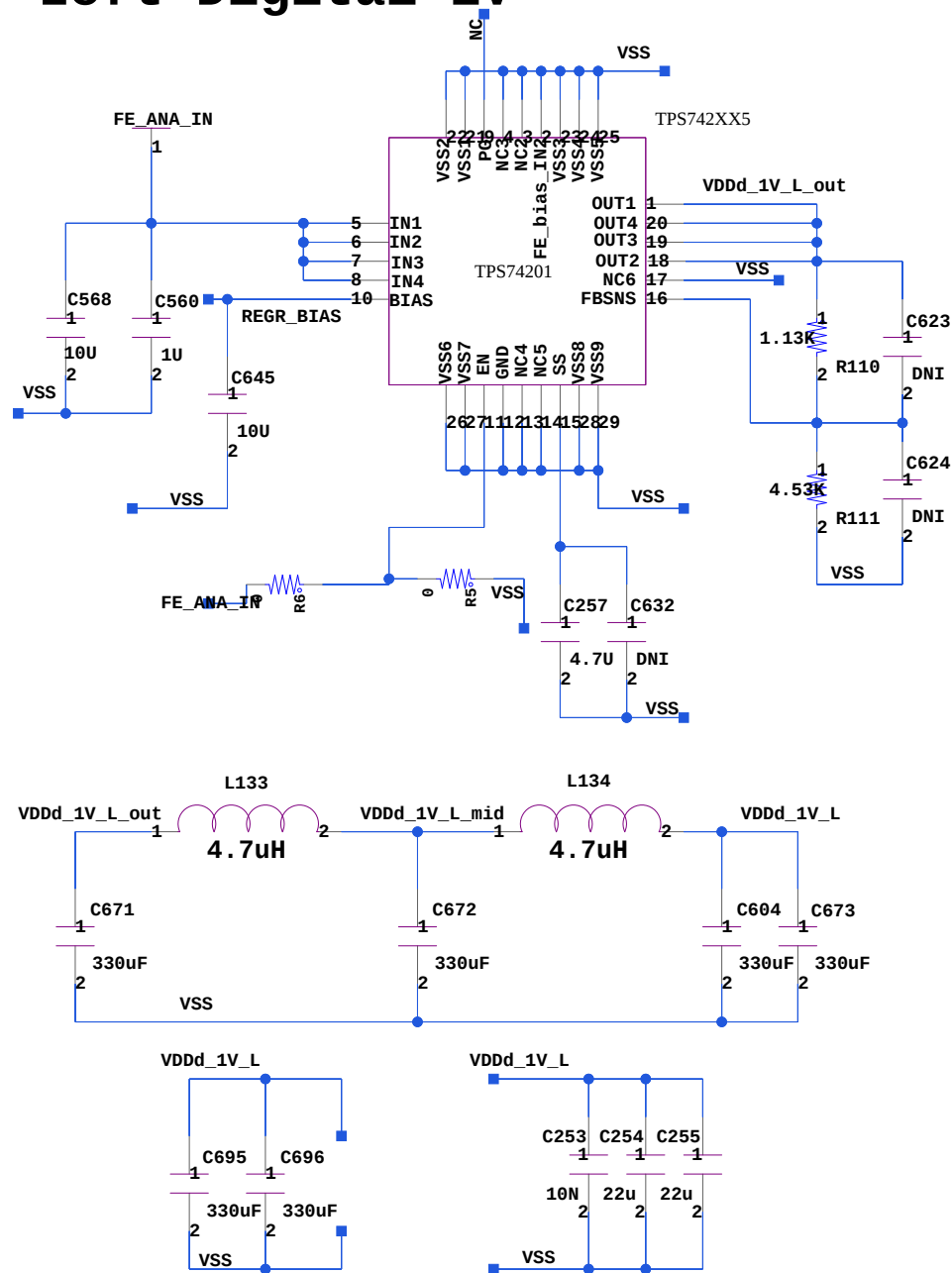


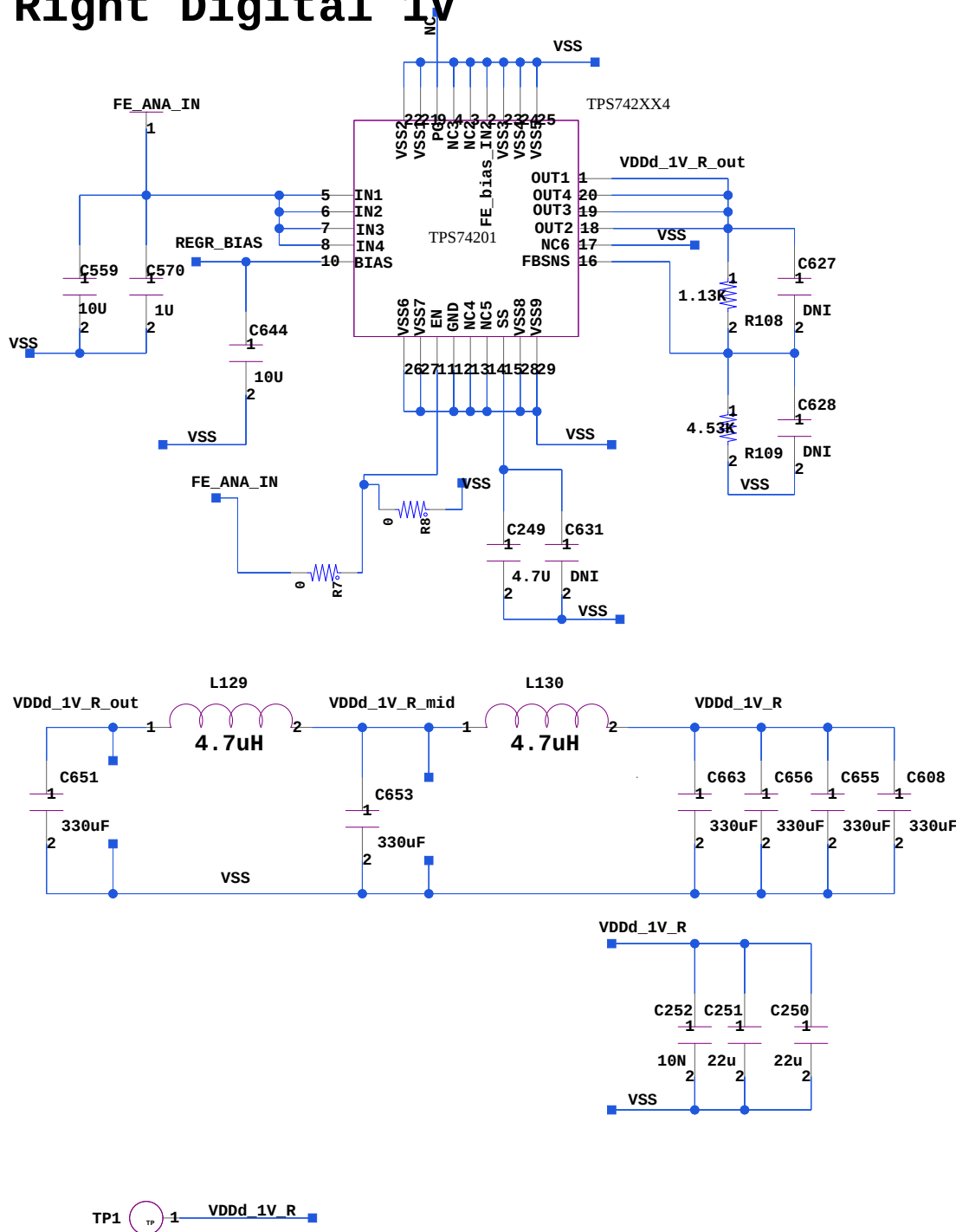


TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	1	OF 13
DRAWN	JEFF KLEYNER	DATE	22/10/2019:15:41	

Left Digital 1V

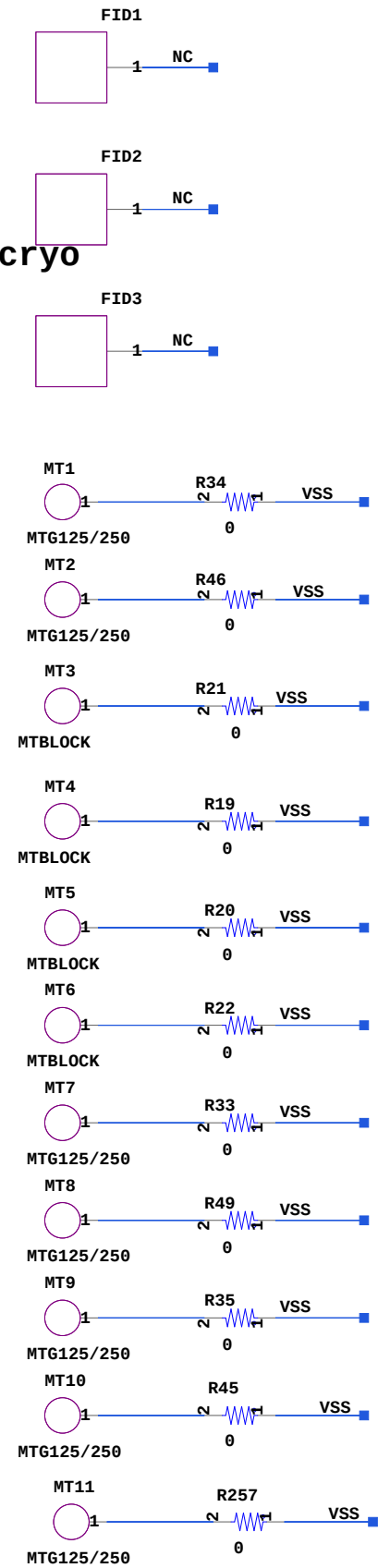


Right Digital 1V



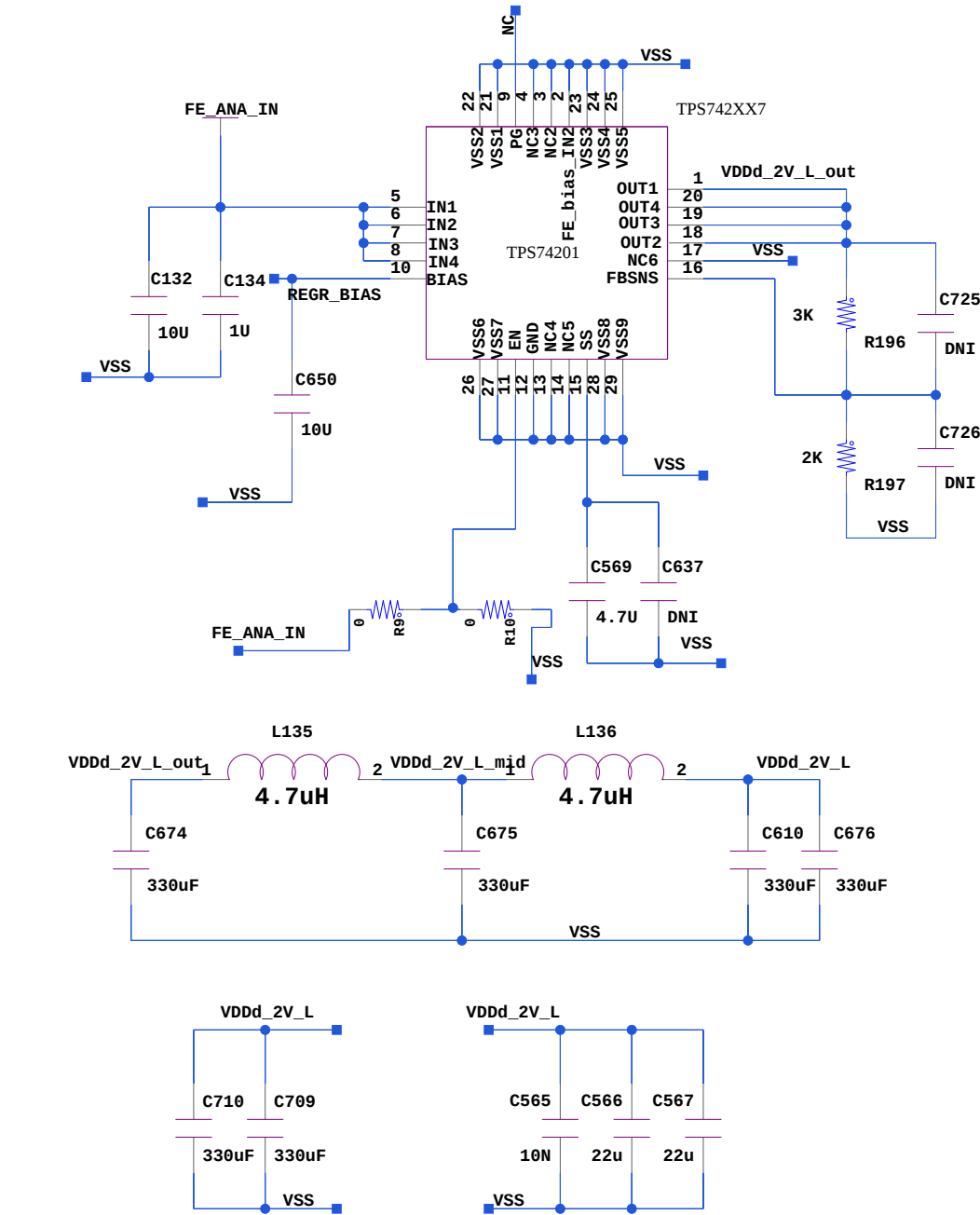
sense lines. Keep resistors close to asic. in between both

Ground? but keep close to cryo

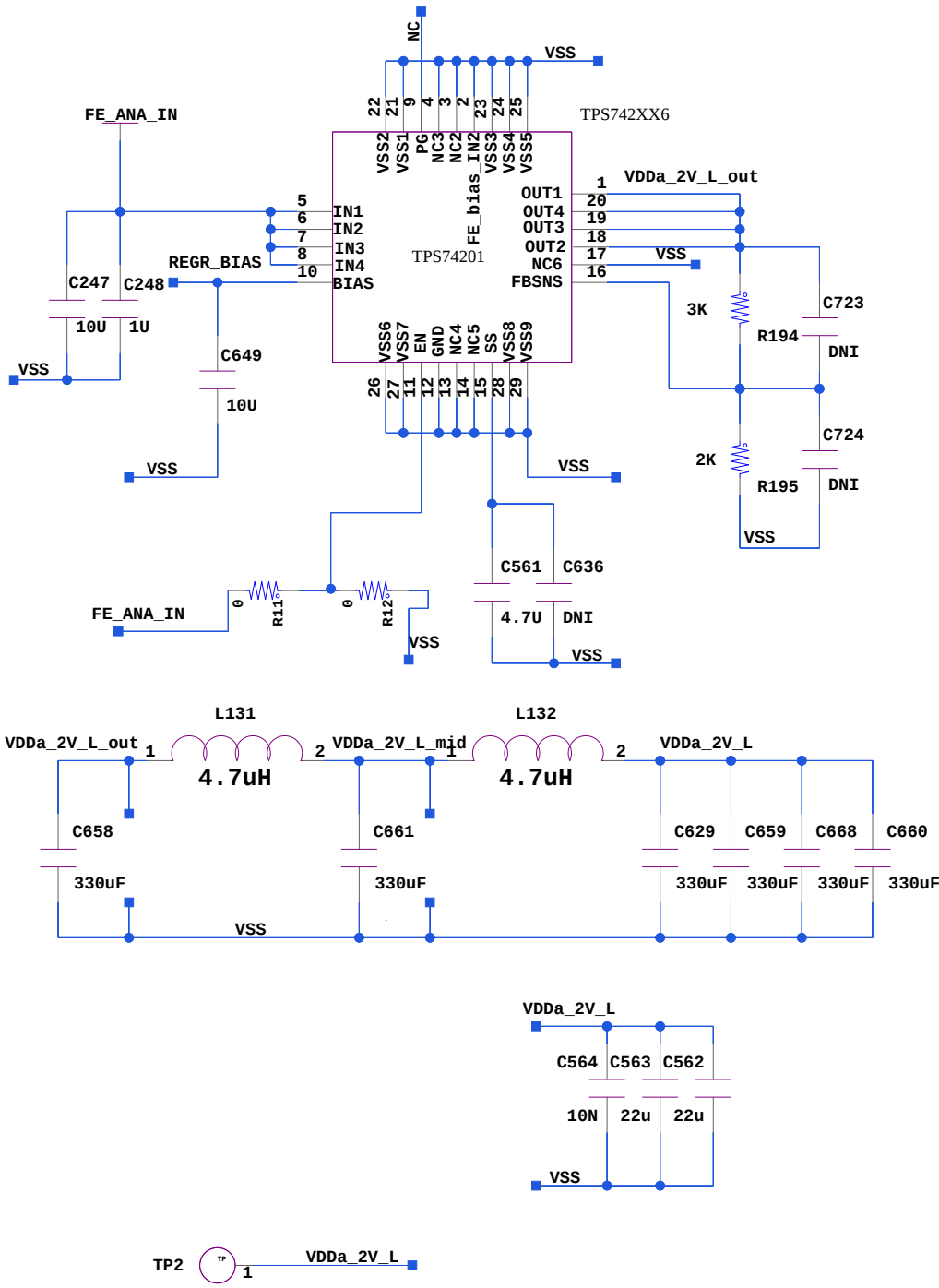


TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	2	OF 13
DRAWN	JEFF KLEYNER	DATE	05/05/2020:14:15	

Left Digital 2V

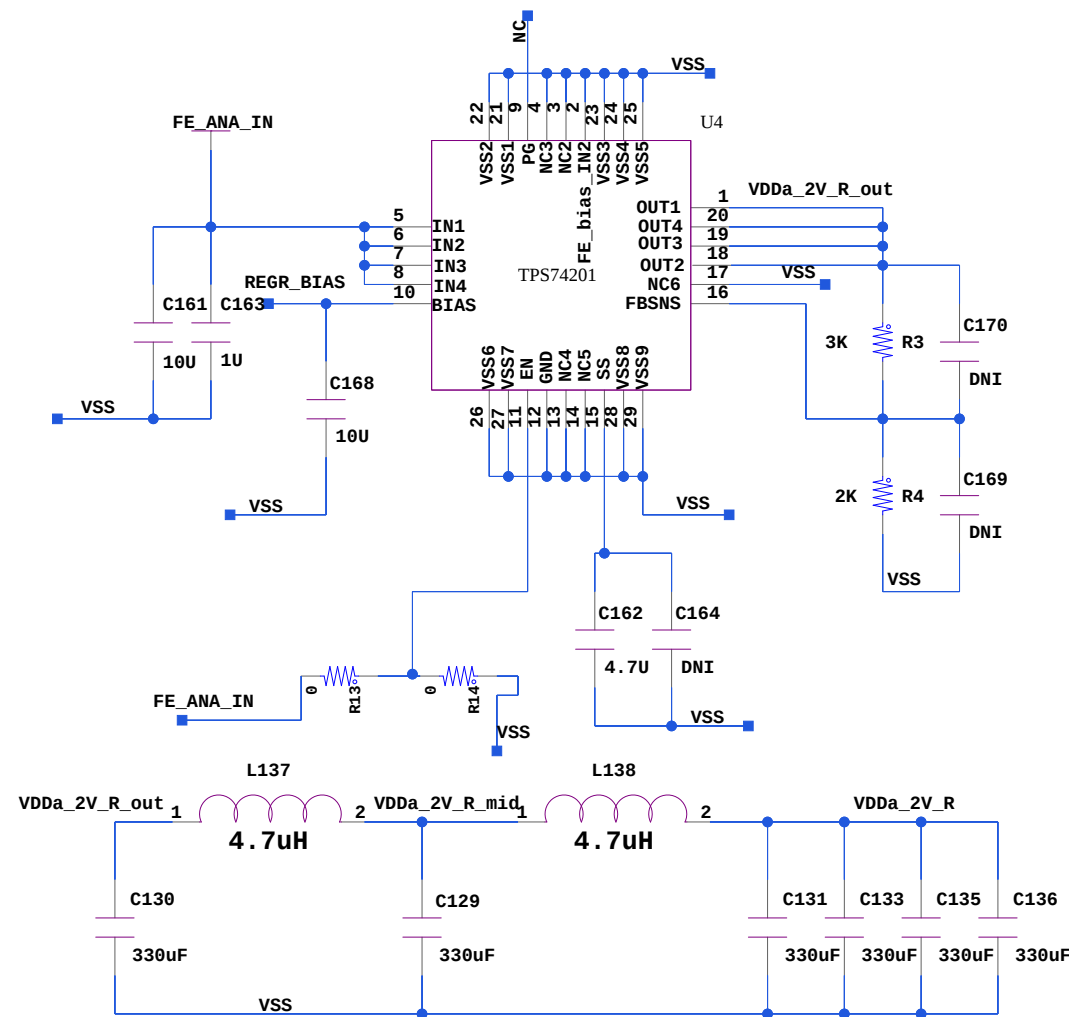


Left Analog 2V

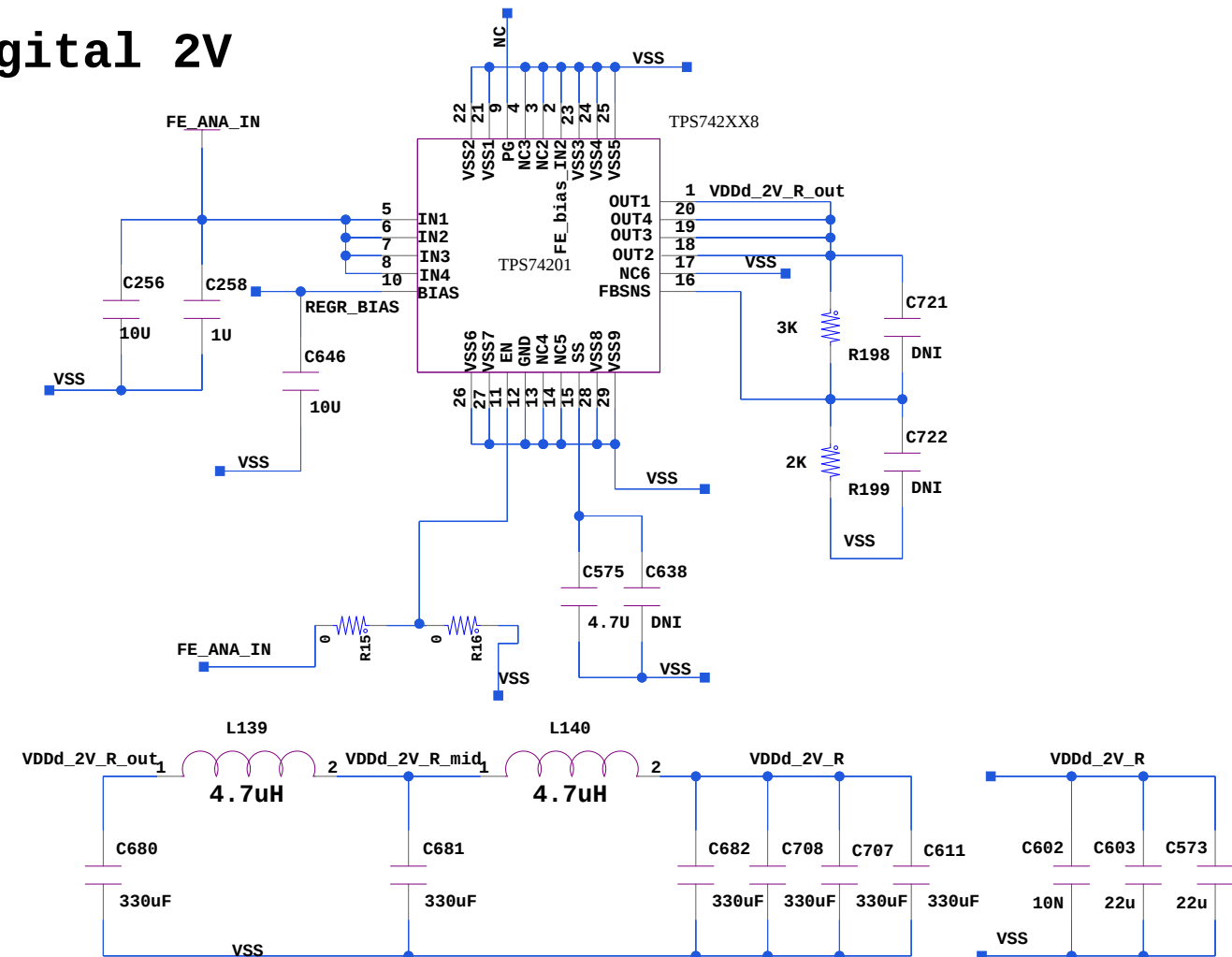


TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	3	OF 13
DRAWN	JEFF KLEYNER	DATE	02/05/2020:17:56	

Right Analog 2V

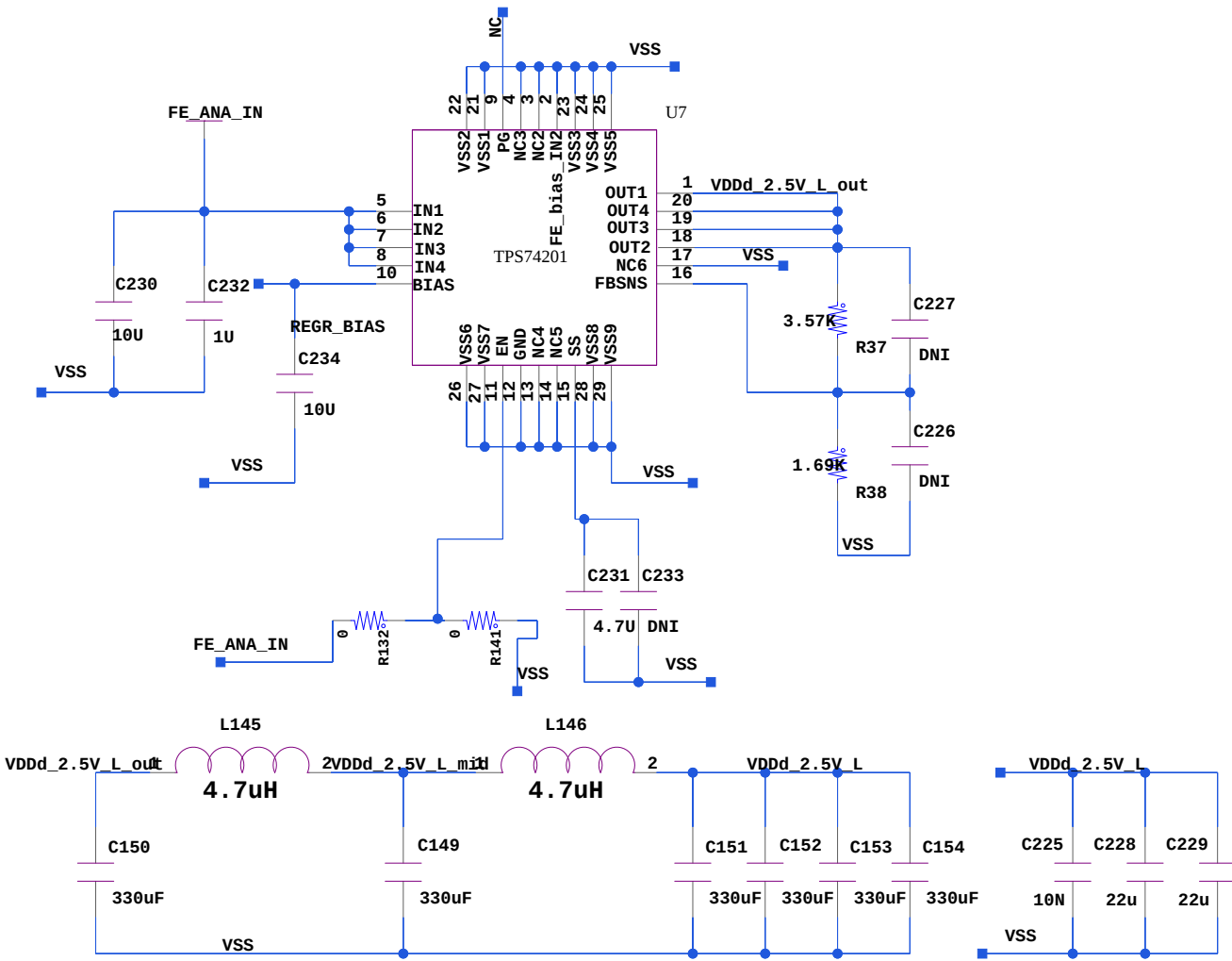


Right Digital 2V

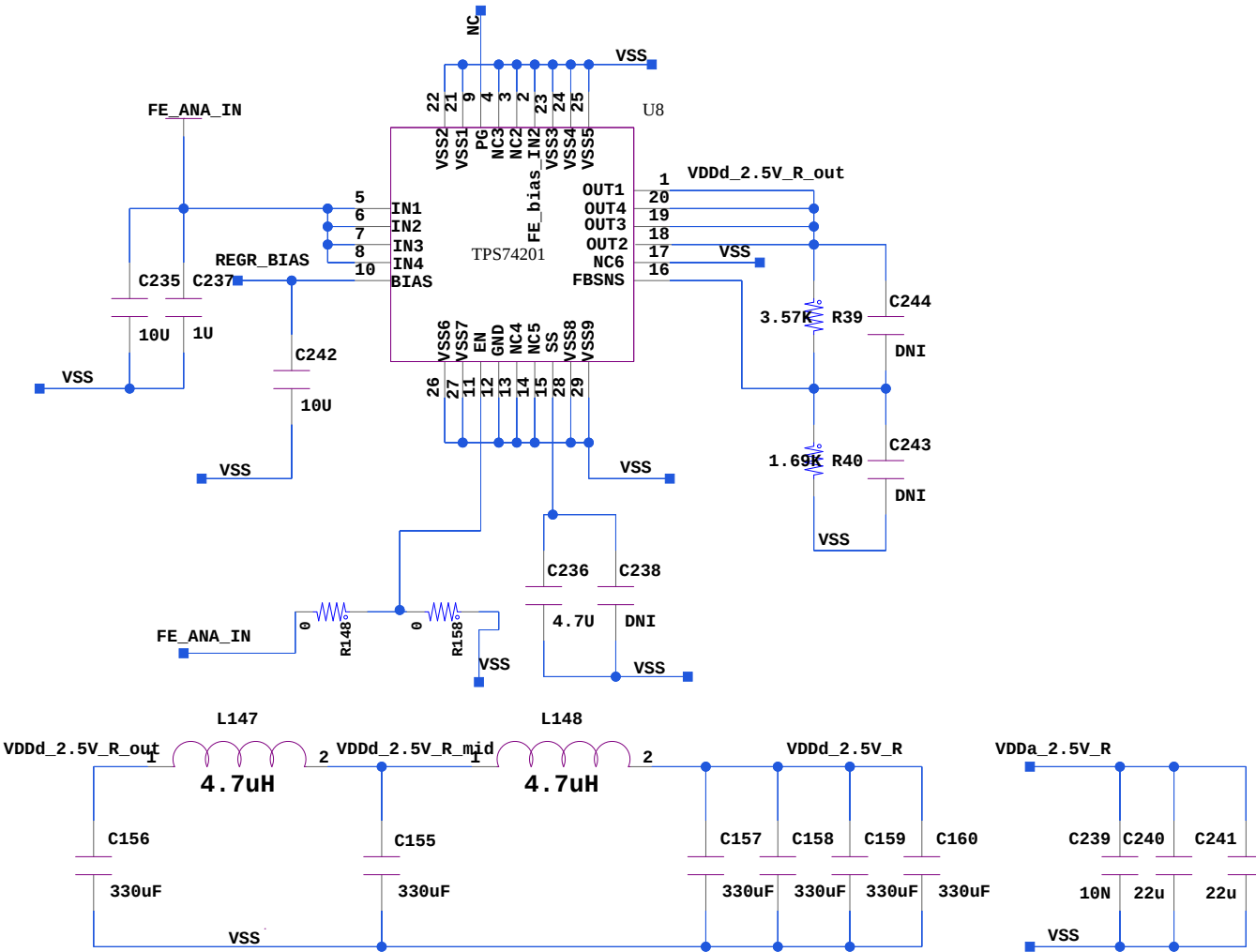


TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	4	OF 13
DRAWN	JEFF KLEYNER	DATE	04/05/2020:15:50	

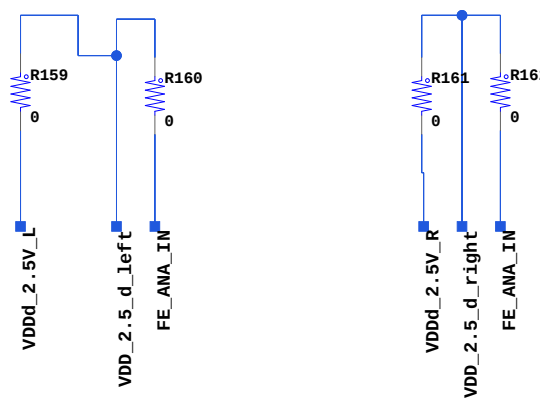
Left Digital 2.5V

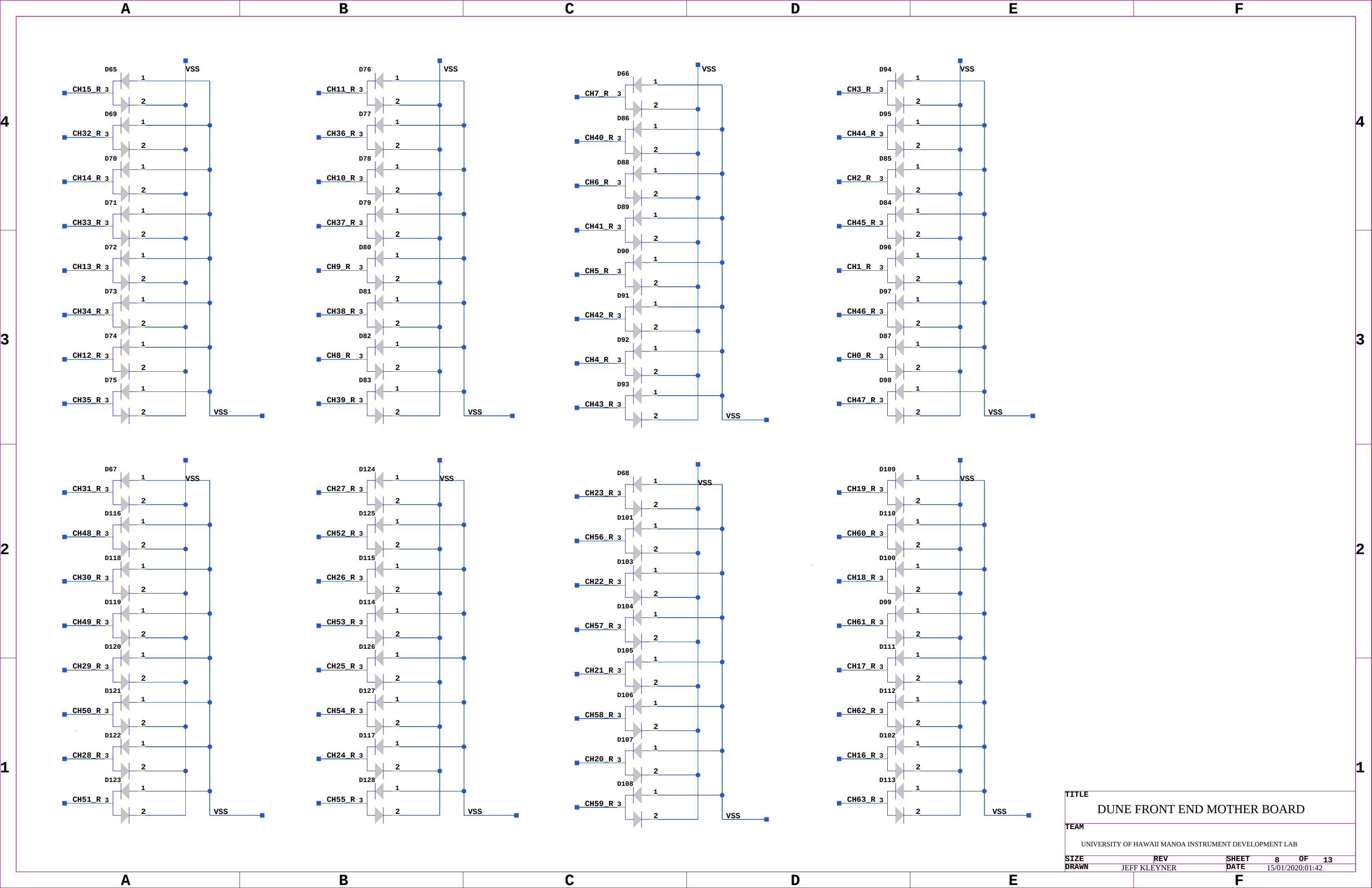


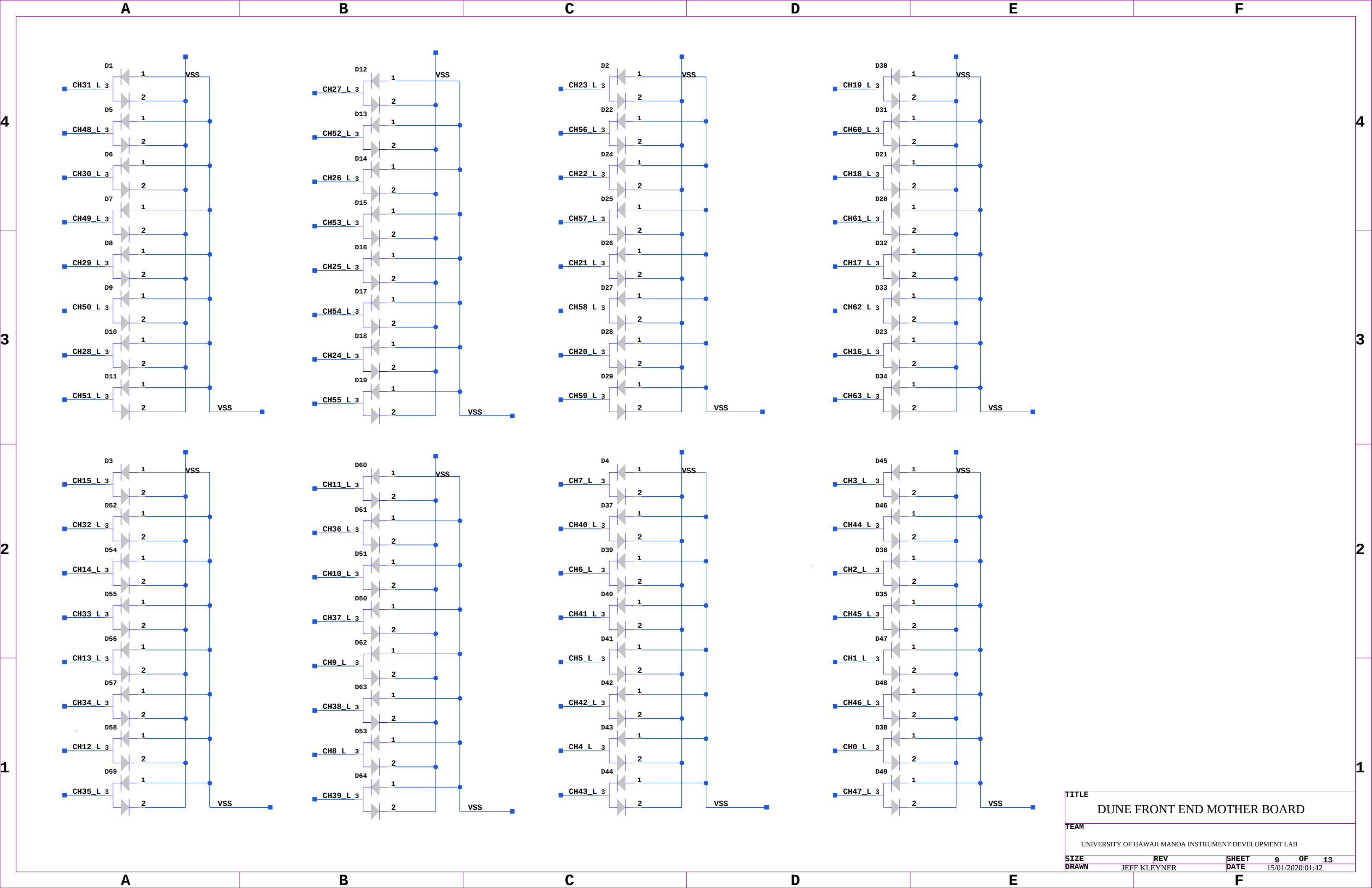
Right Digital 2.5V



Select raw power in or ldo 2.5 out

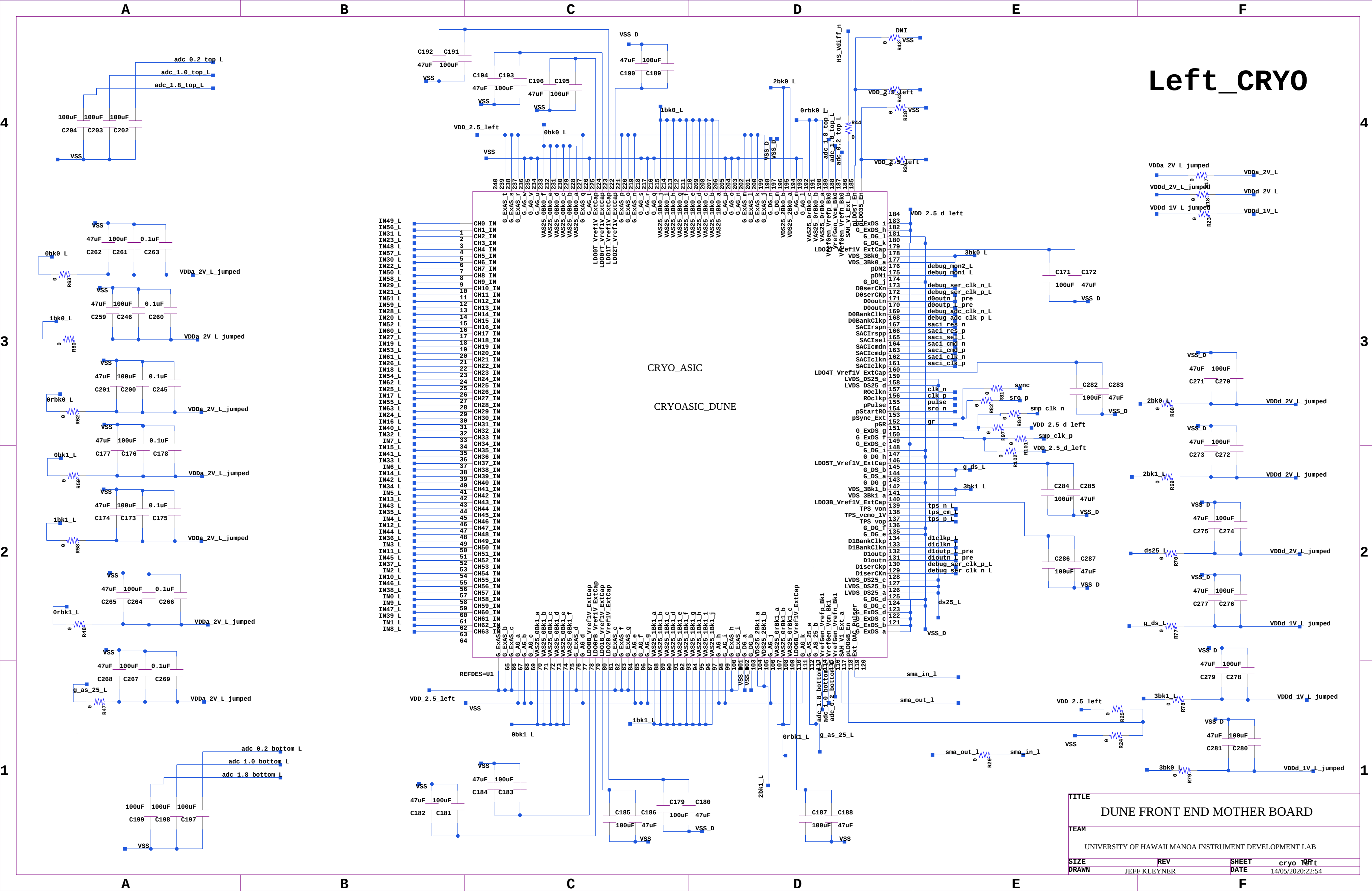








TITLE DUNE FRONT END MOTHER BOARD				
TEAM UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	10	OF 13
DRAWN	JEFF KLEYNER	DATE	14/05/2020:23:32	



4

3

2

1

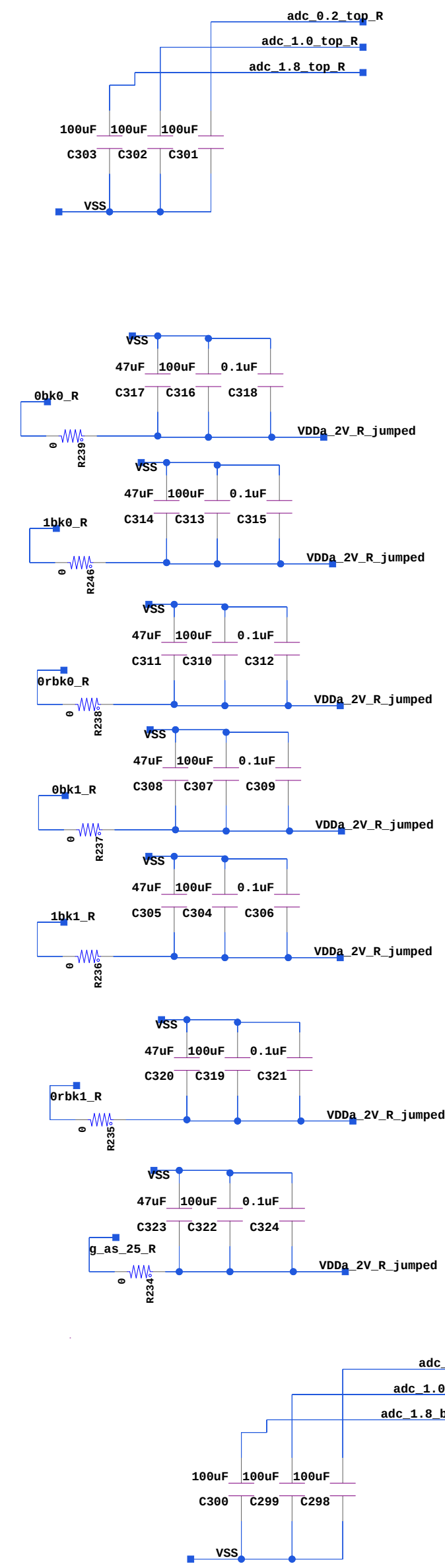
4

3

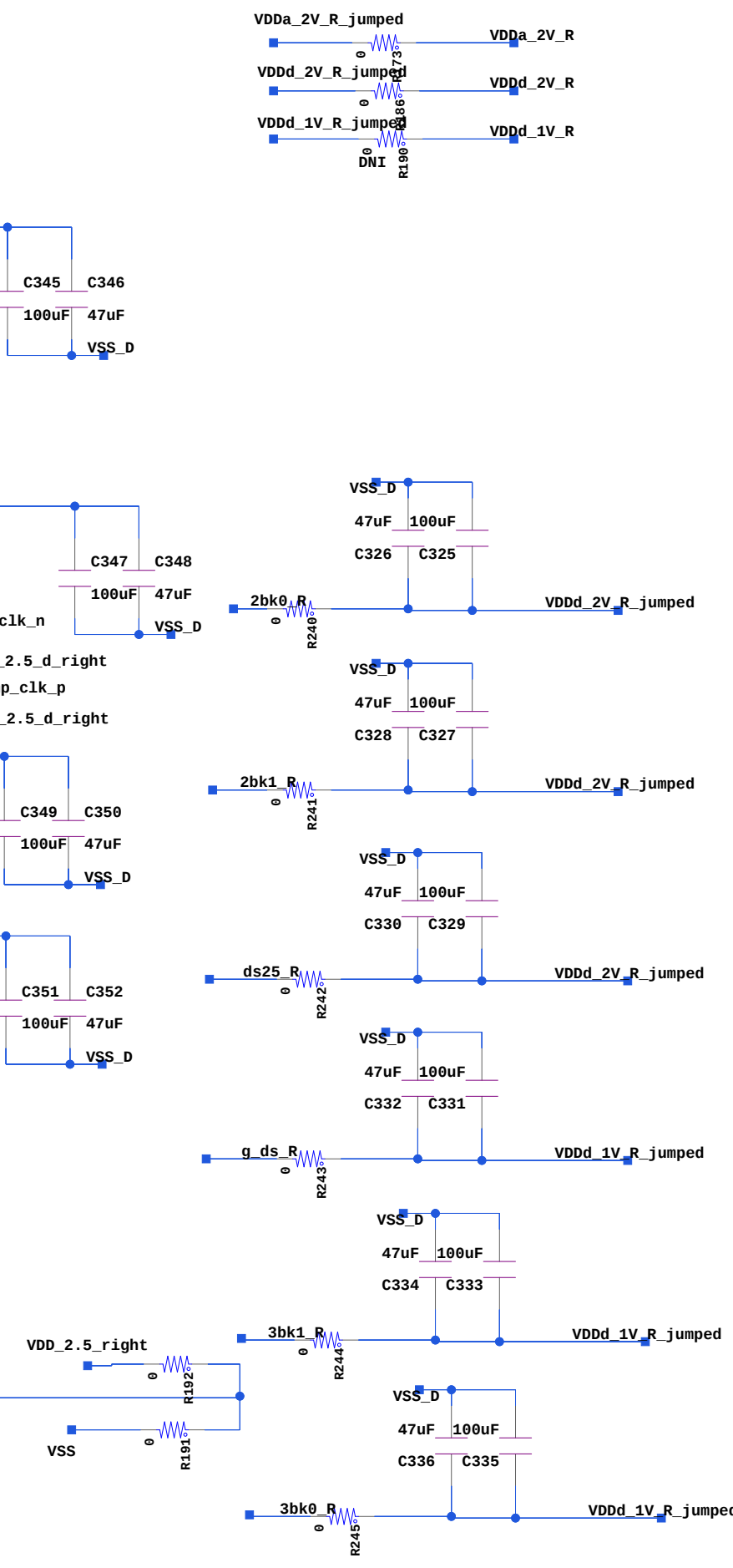
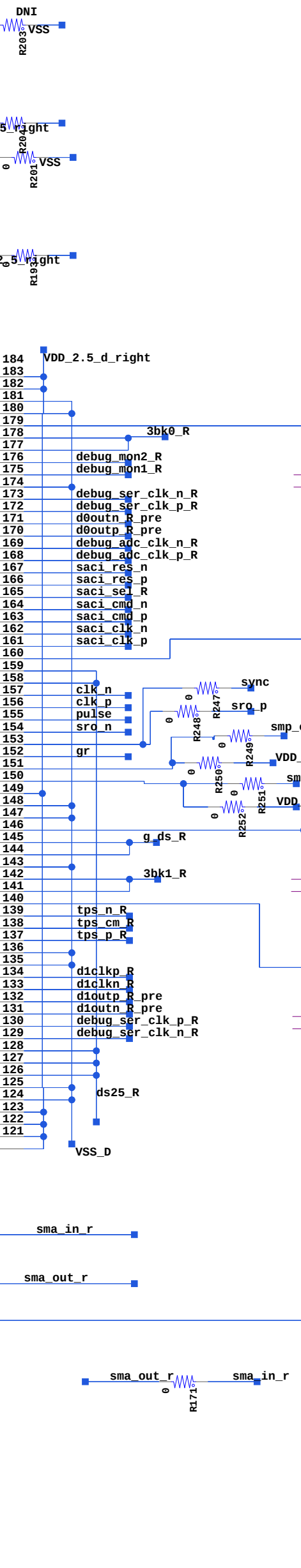
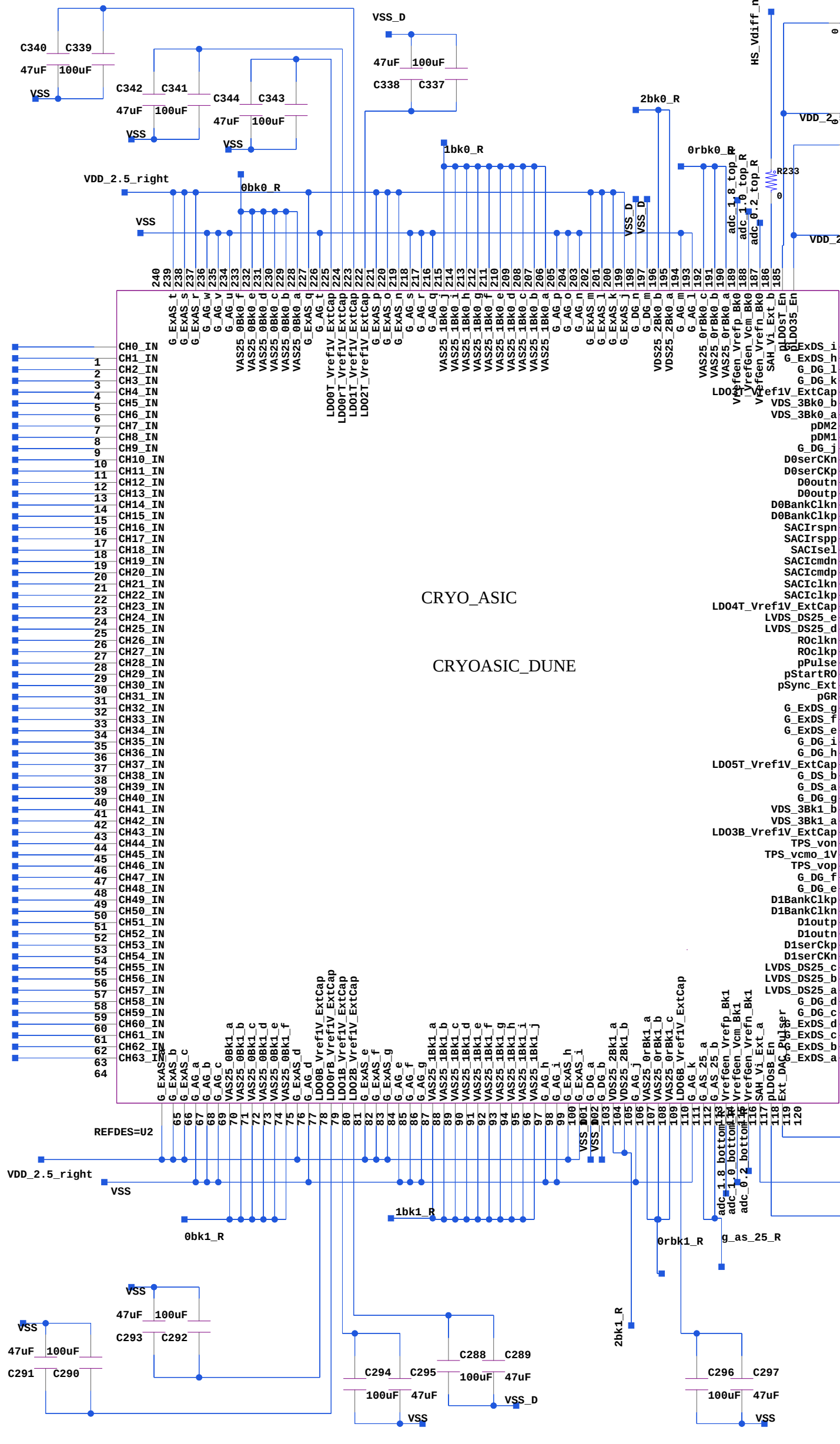
2

1

Right_CRYO



- IN33_R
- IN40_R
- IN15_R
- IN7_R
- IN32_R
- IN41_R
- IN14_R
- IN6_R
- IN34_R
- IN42_R
- IN13_R
- IN5_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
DRAWN	JEFF KLEYNER	DATE	14/05/2020:23:32

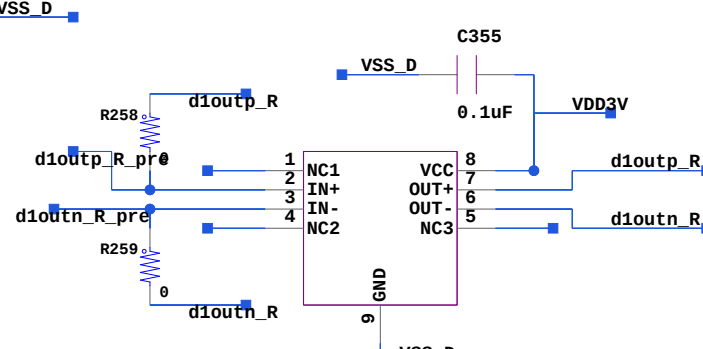
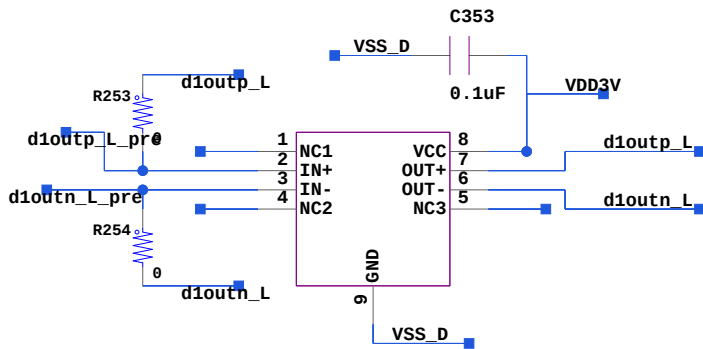
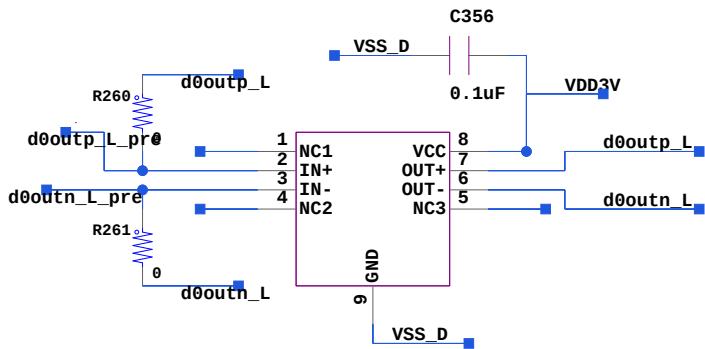
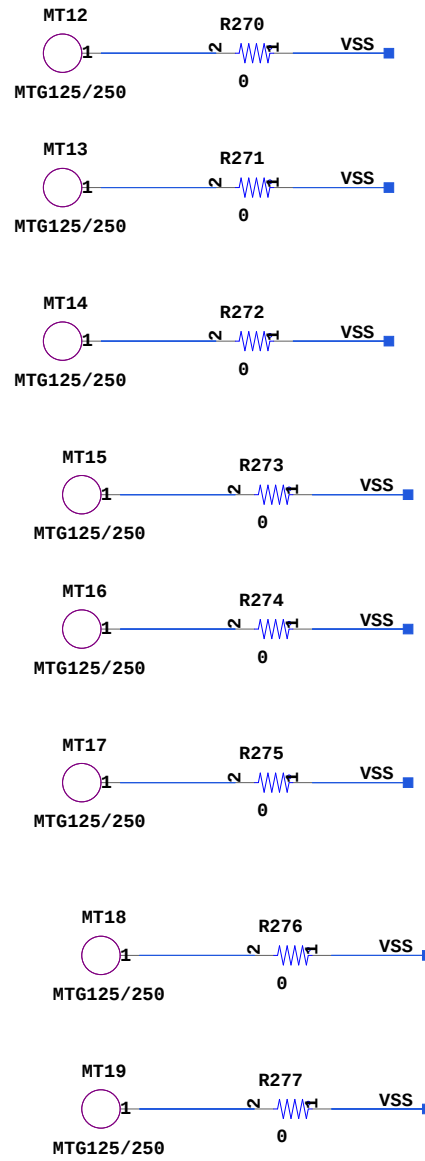
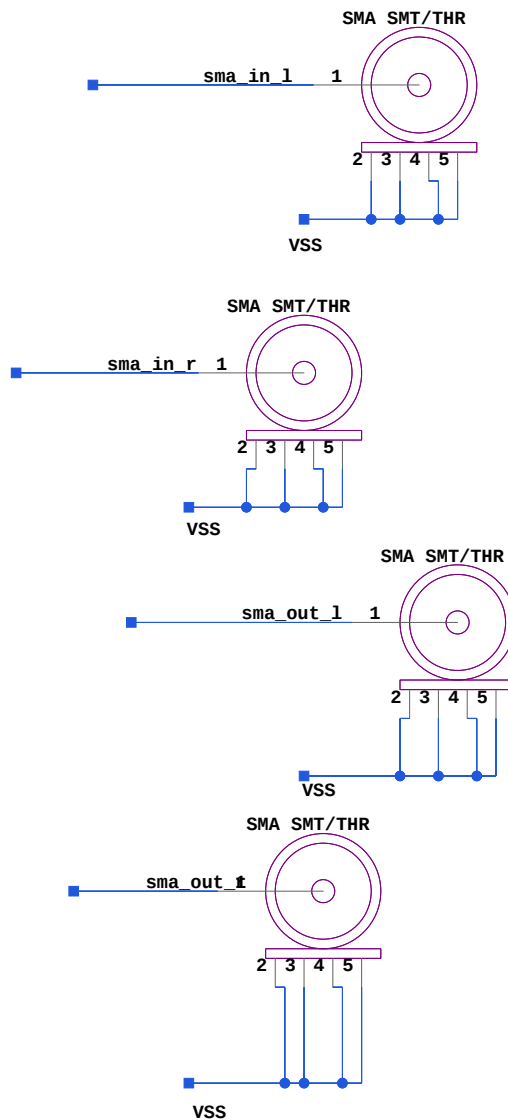
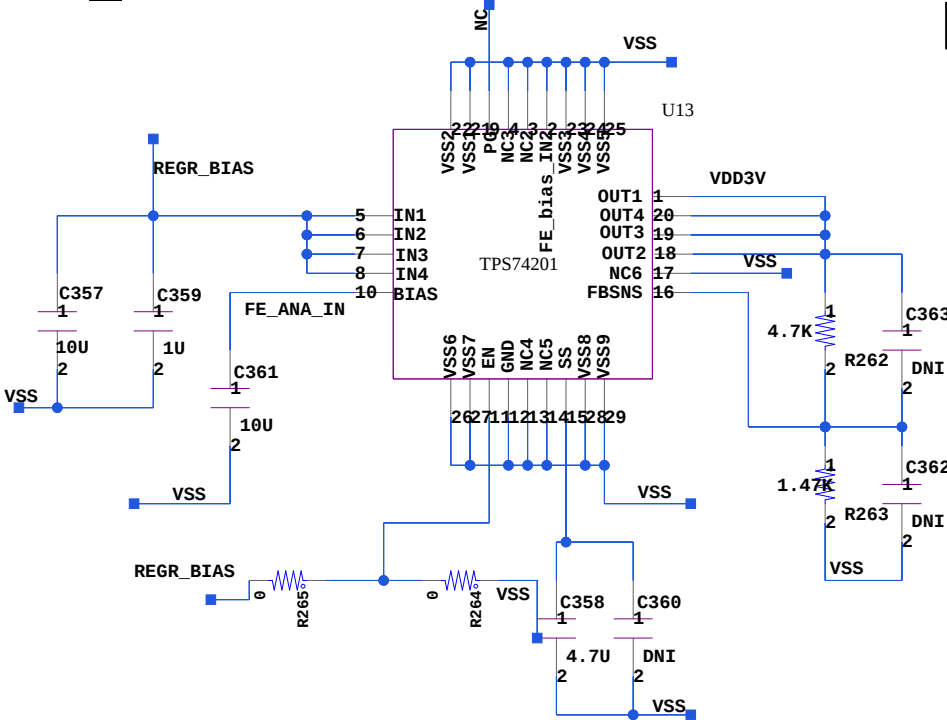
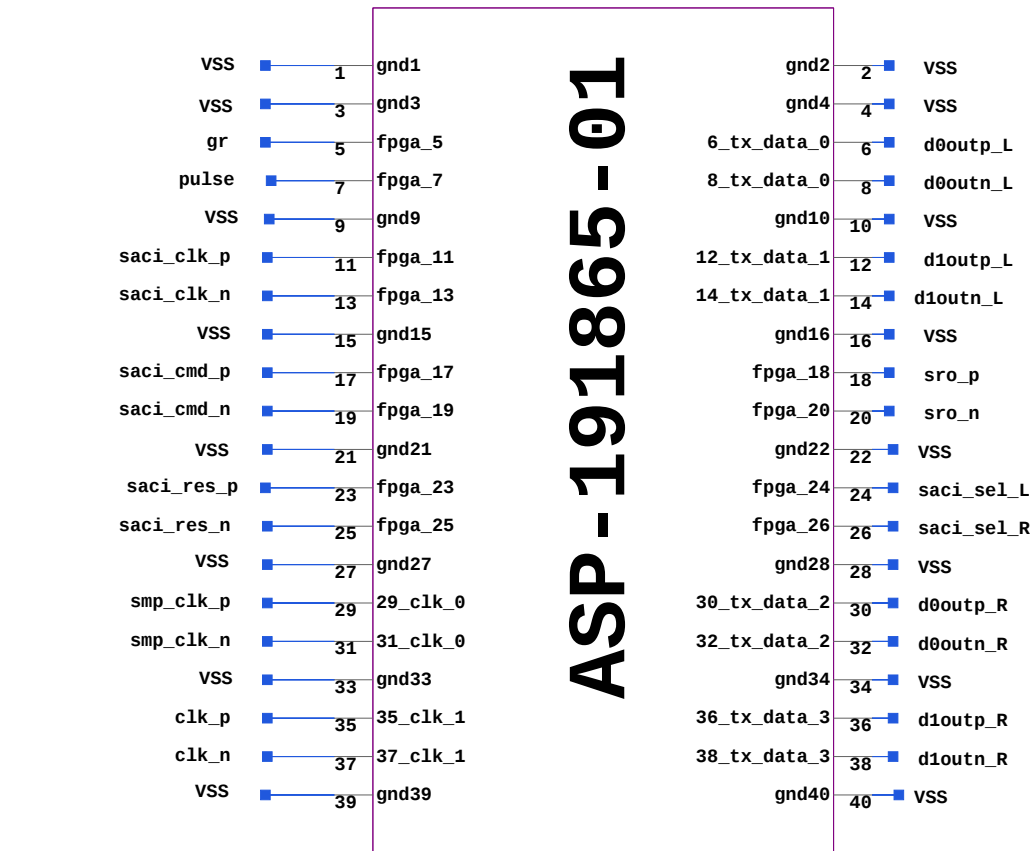
WIB IN

REGR_BIAS to 3.3V

Ext. Monitor

ASP - 191865 - 01

LVDS Drivers



TITLE				
DUNE FRONT END MOTHER BOARD				
TEAM				
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
SIZE	REV	SHEET	13	OF 13
DRAWN	JEFF KLEYNER	DATE	14/05/2020:22:14	