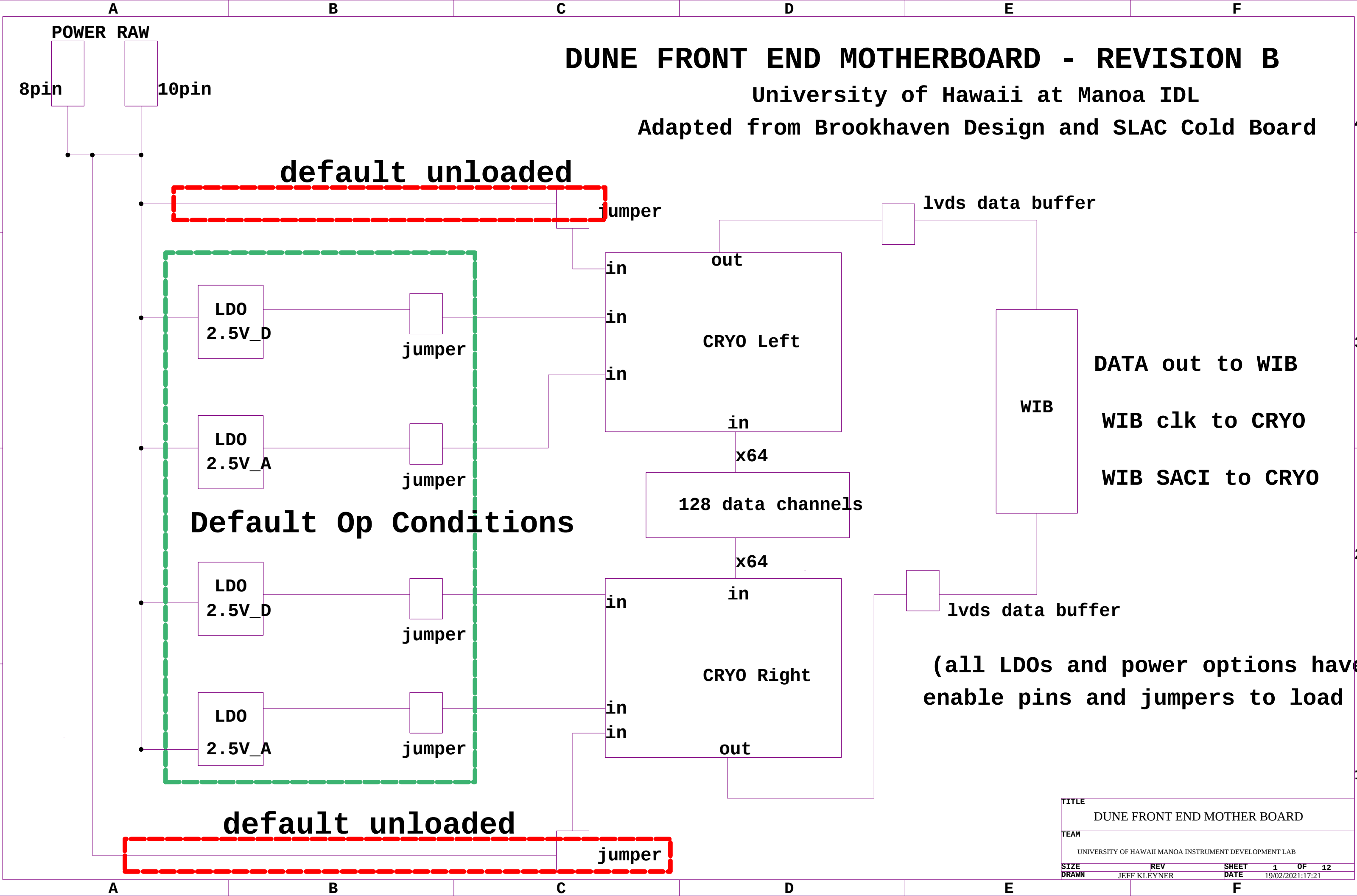
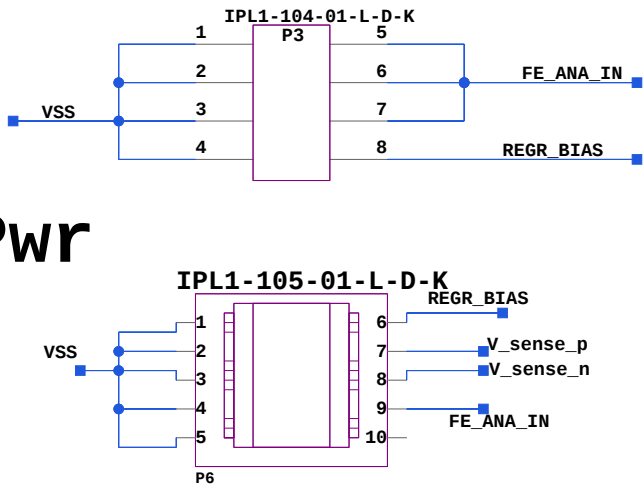


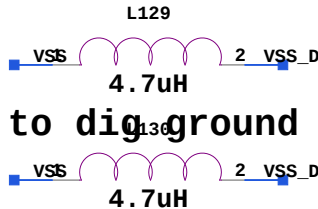


TITLE				
DUNE FRONT END MOTHER BOARD				
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UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
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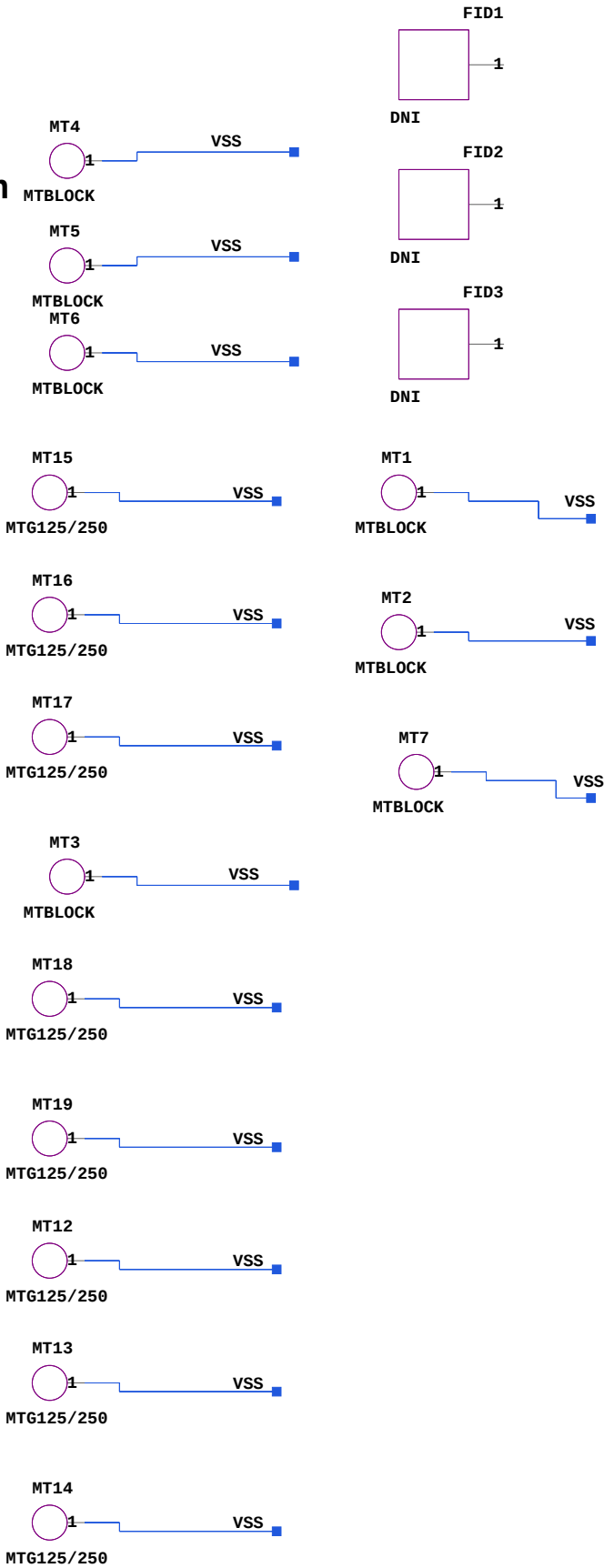
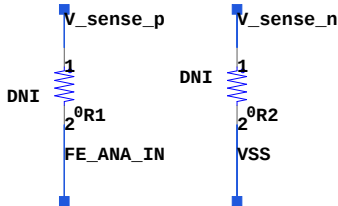
Raw Pwr



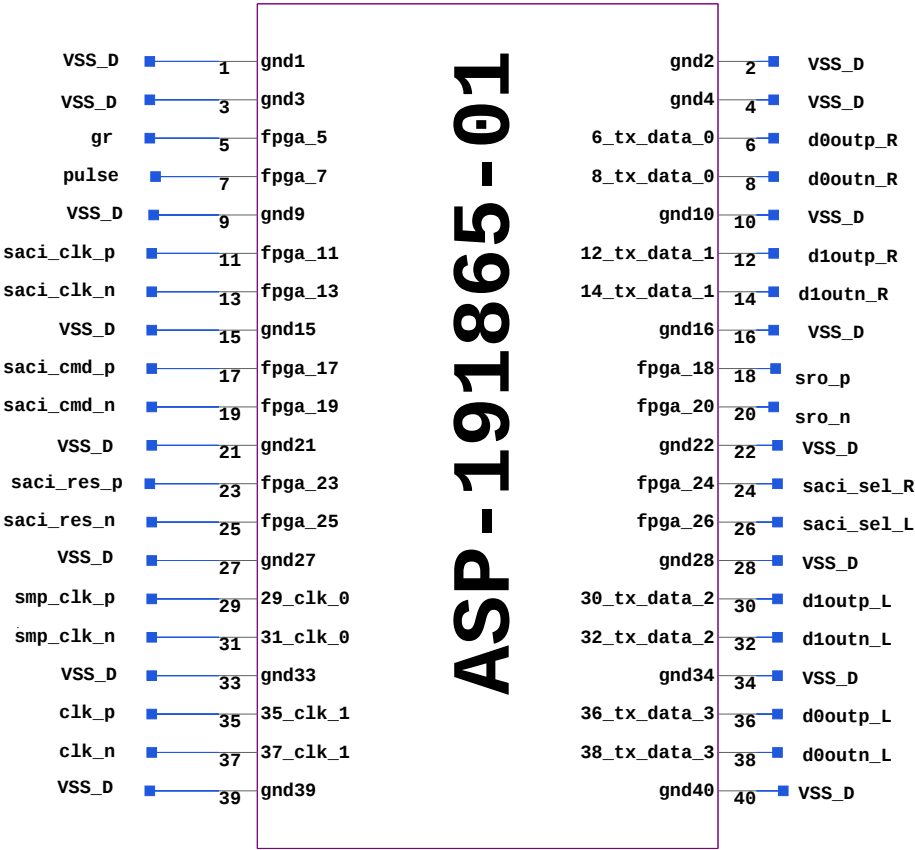
Footprints for analog to dig ground



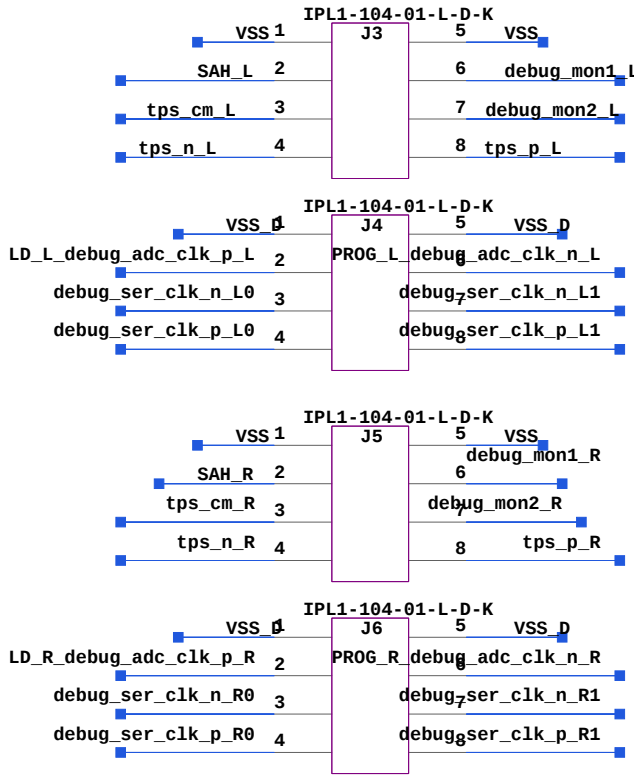
sense lines. Keep resistors close to asic. in between both



WIB DATA Connector

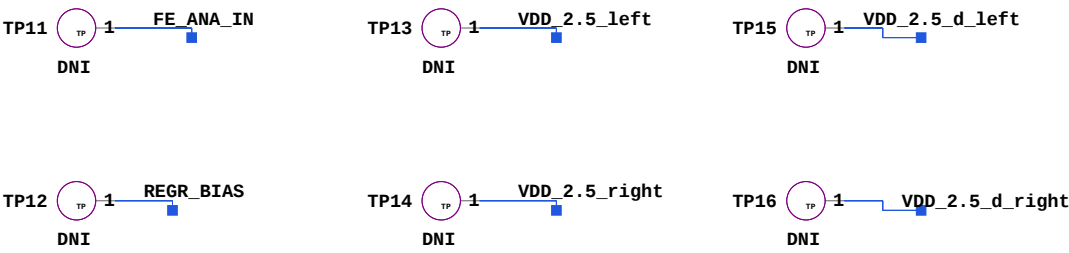


Debug connectors

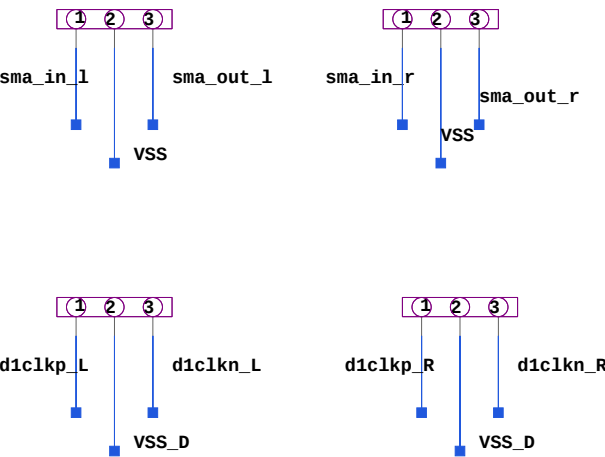


TITLE				
DUNE FRONT END MOTHER BOARD				
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UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB				
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Testpoints

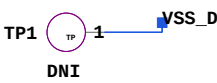
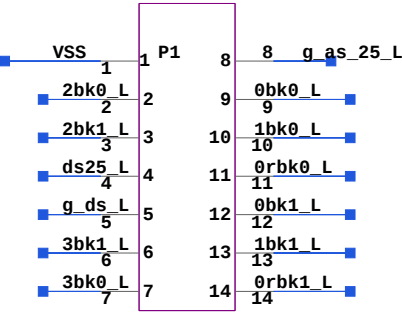
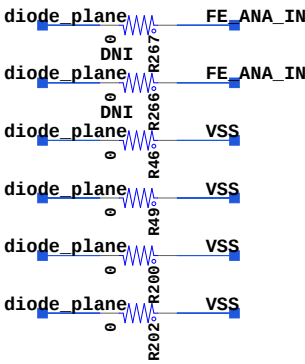


Ext. Monitor

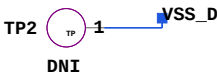
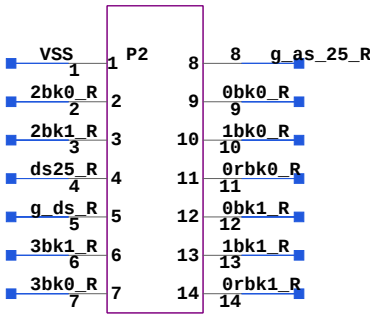


Input protection diode load options

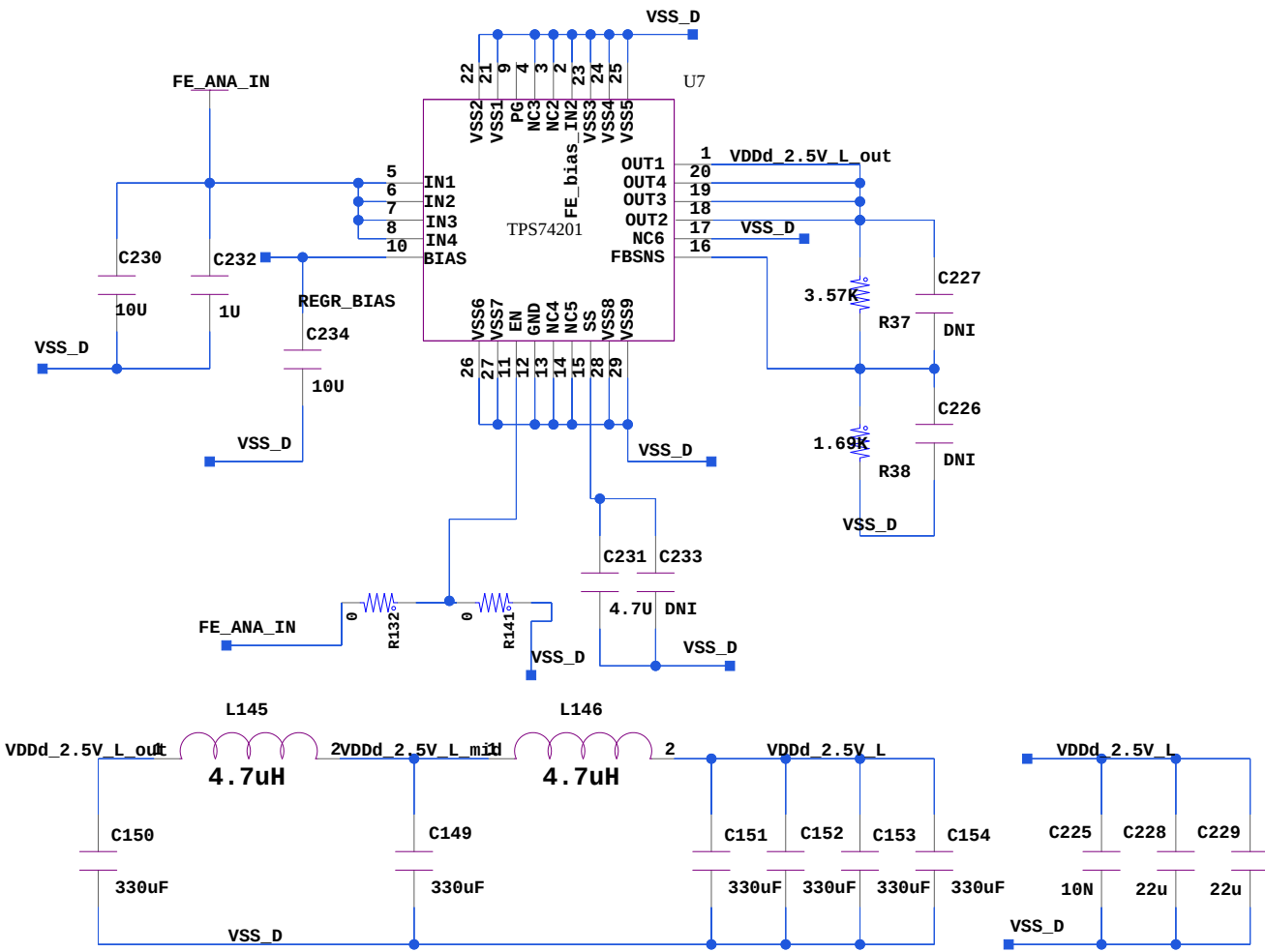
load R266,267 for VDD
load R46,49,200,202 for VSS



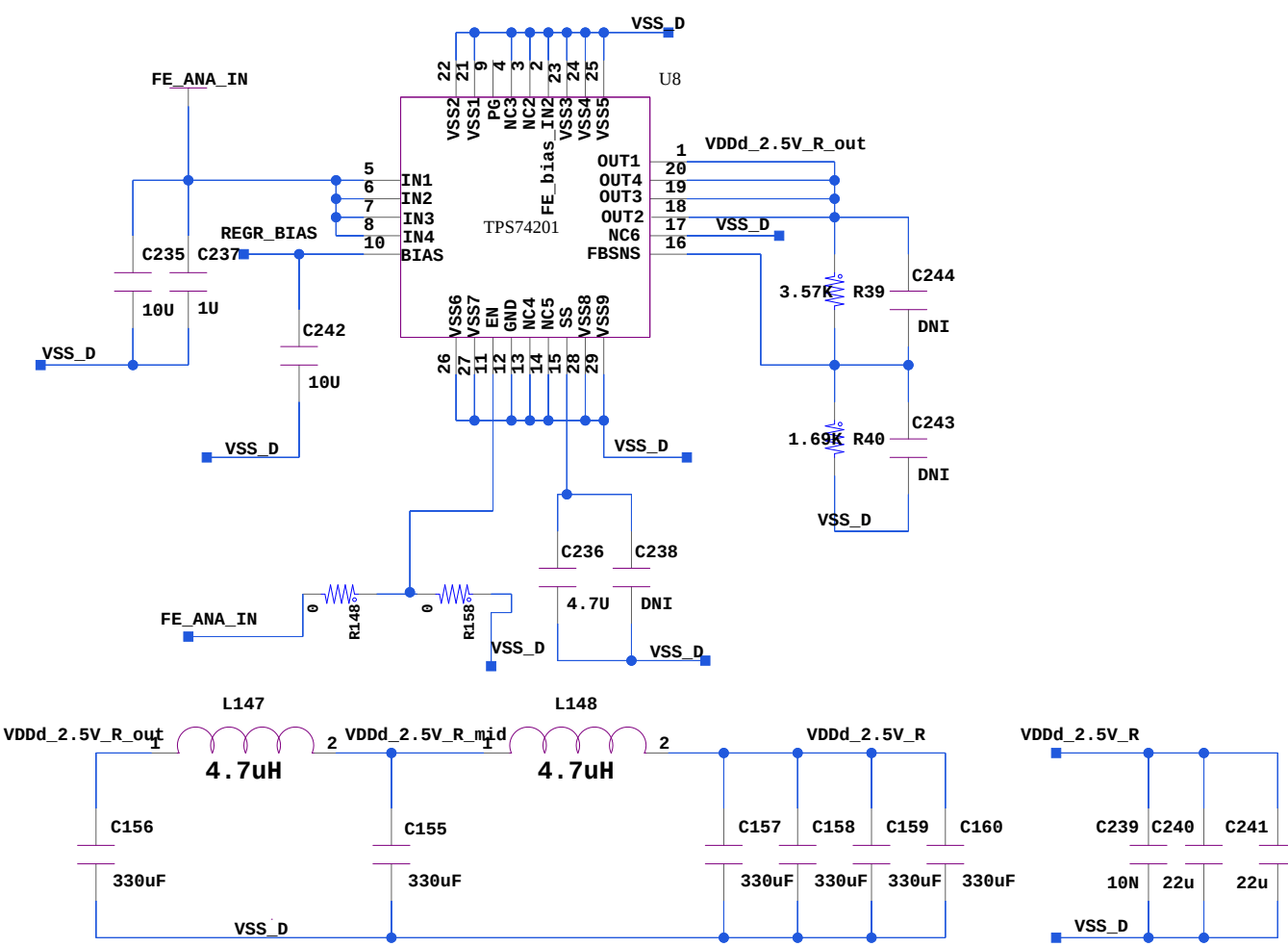
internal LDO testpoints



Left Digital 2.5V



Right Digital 2.5V



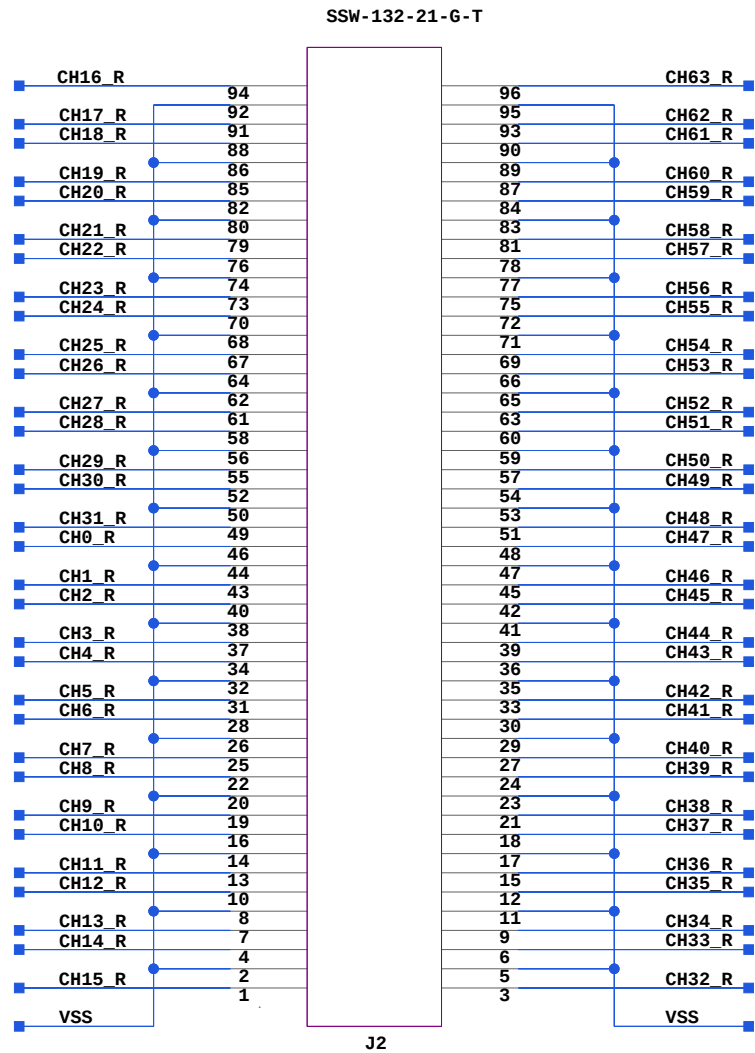
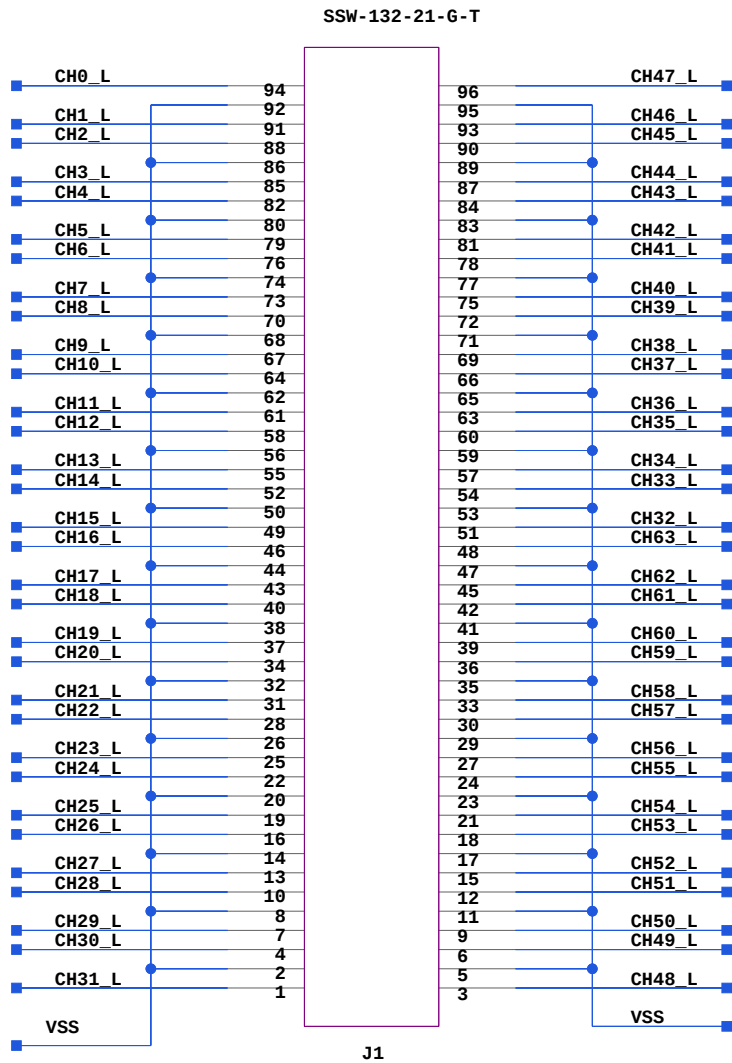
Select raw power in or ldo 2.5 out



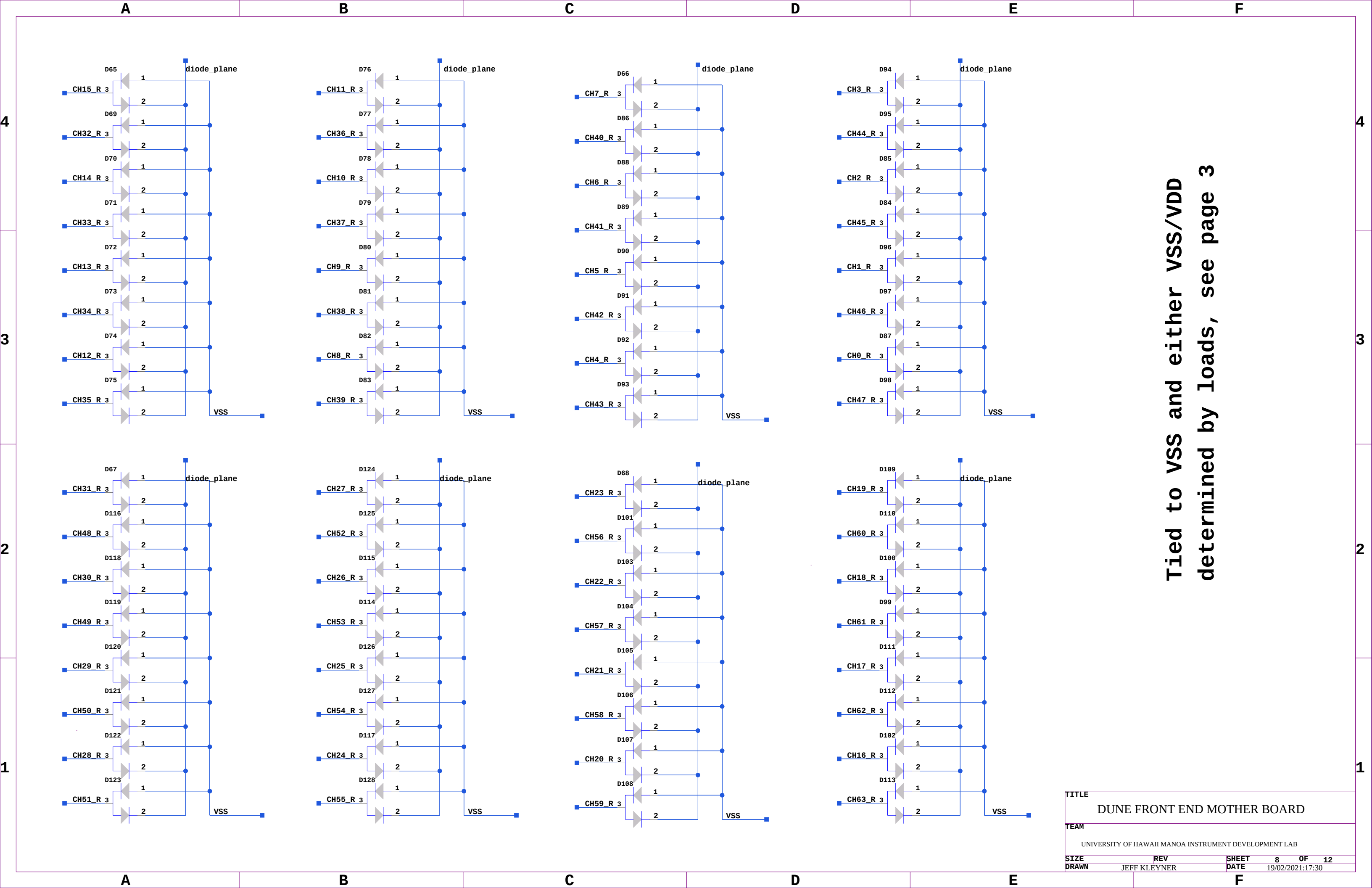
load R159 for LD0, R160 for raw PWR

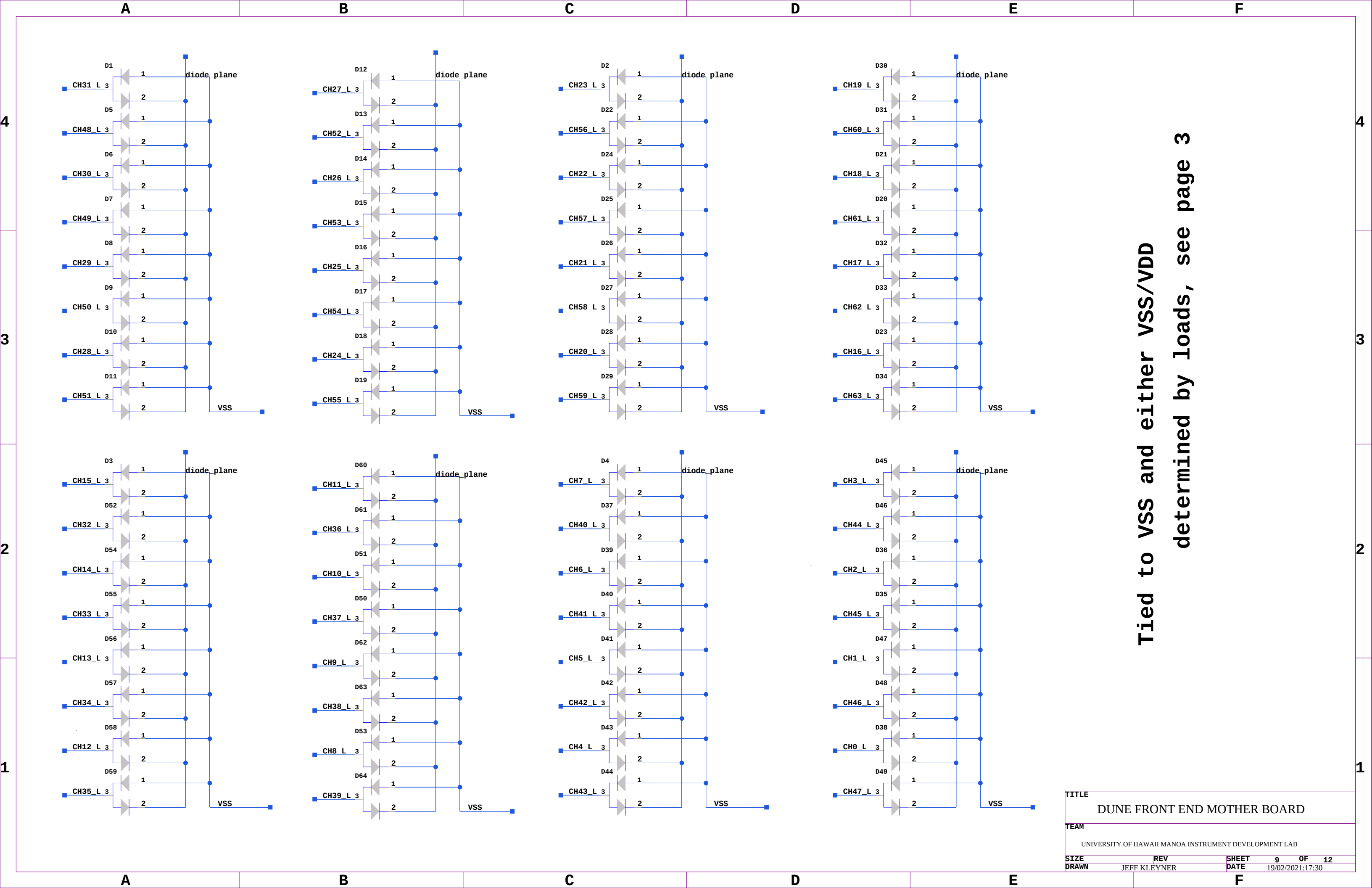
load R161 for LD0, R162 for raw PWR

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Input Signal Connectors





4

3

2

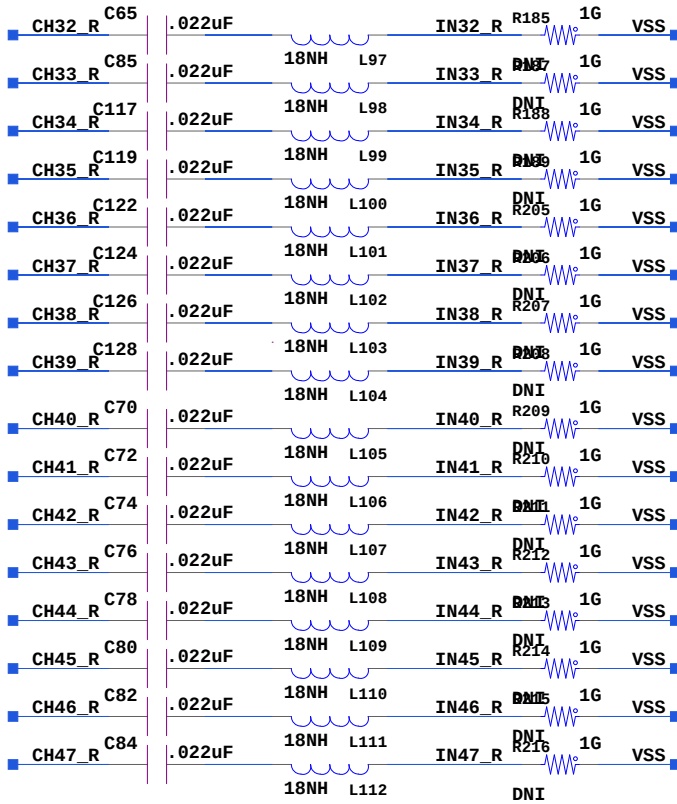
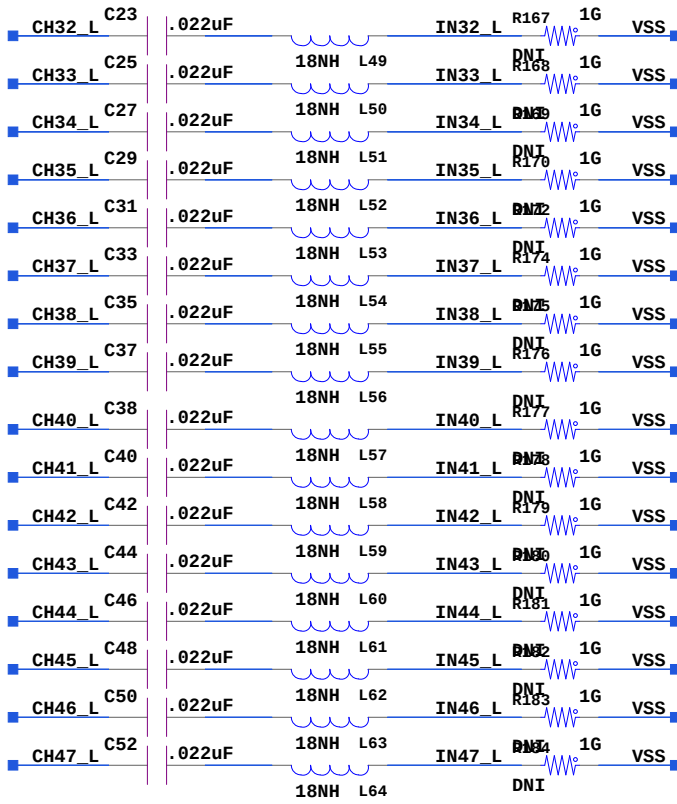
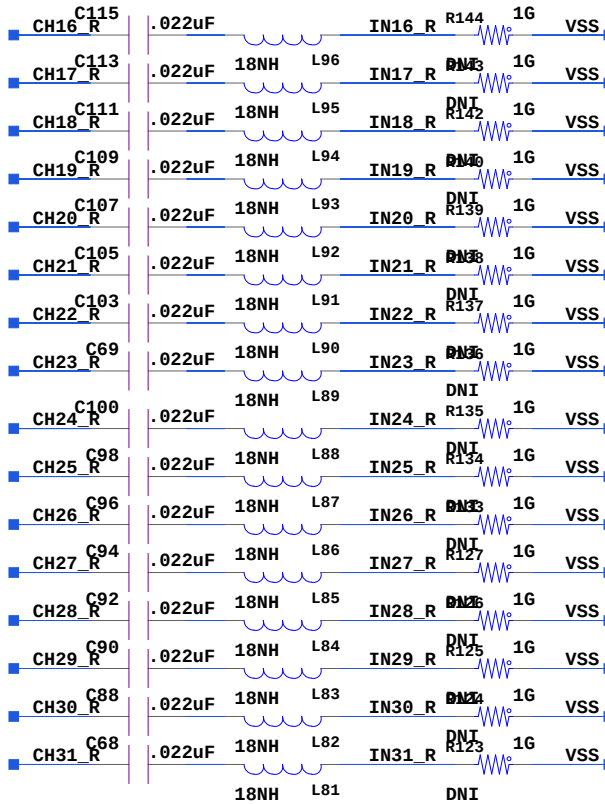
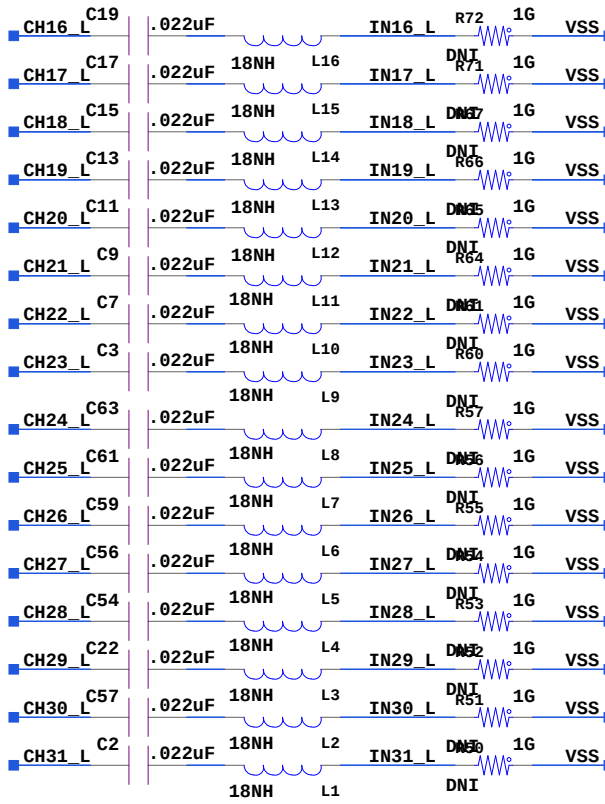
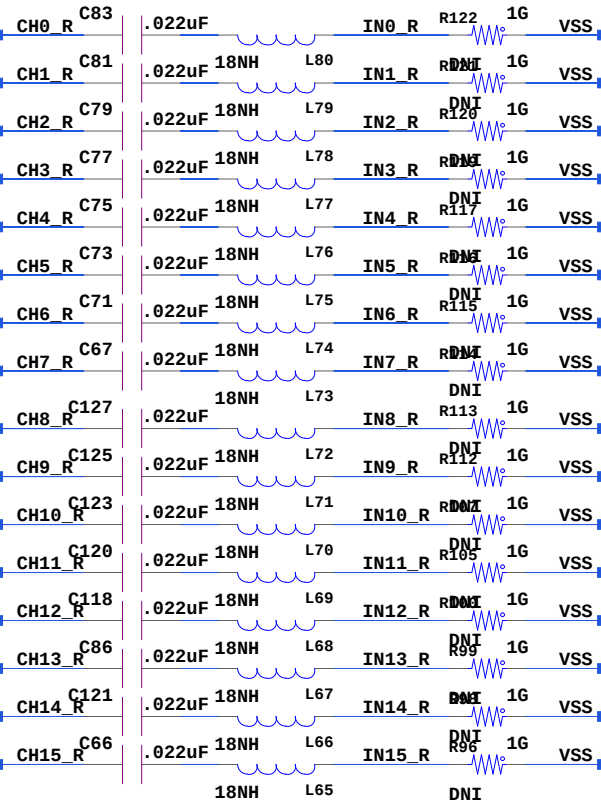
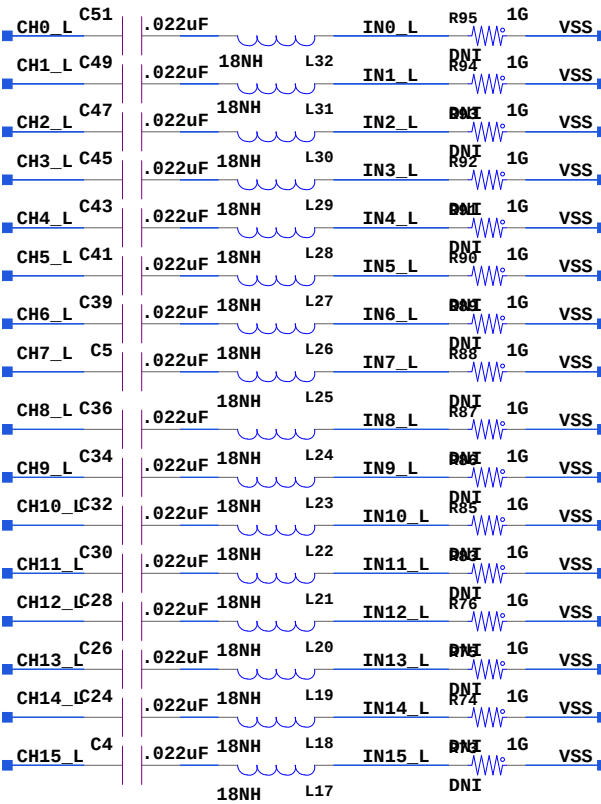
1

4

3

2

1



Input Protection channels

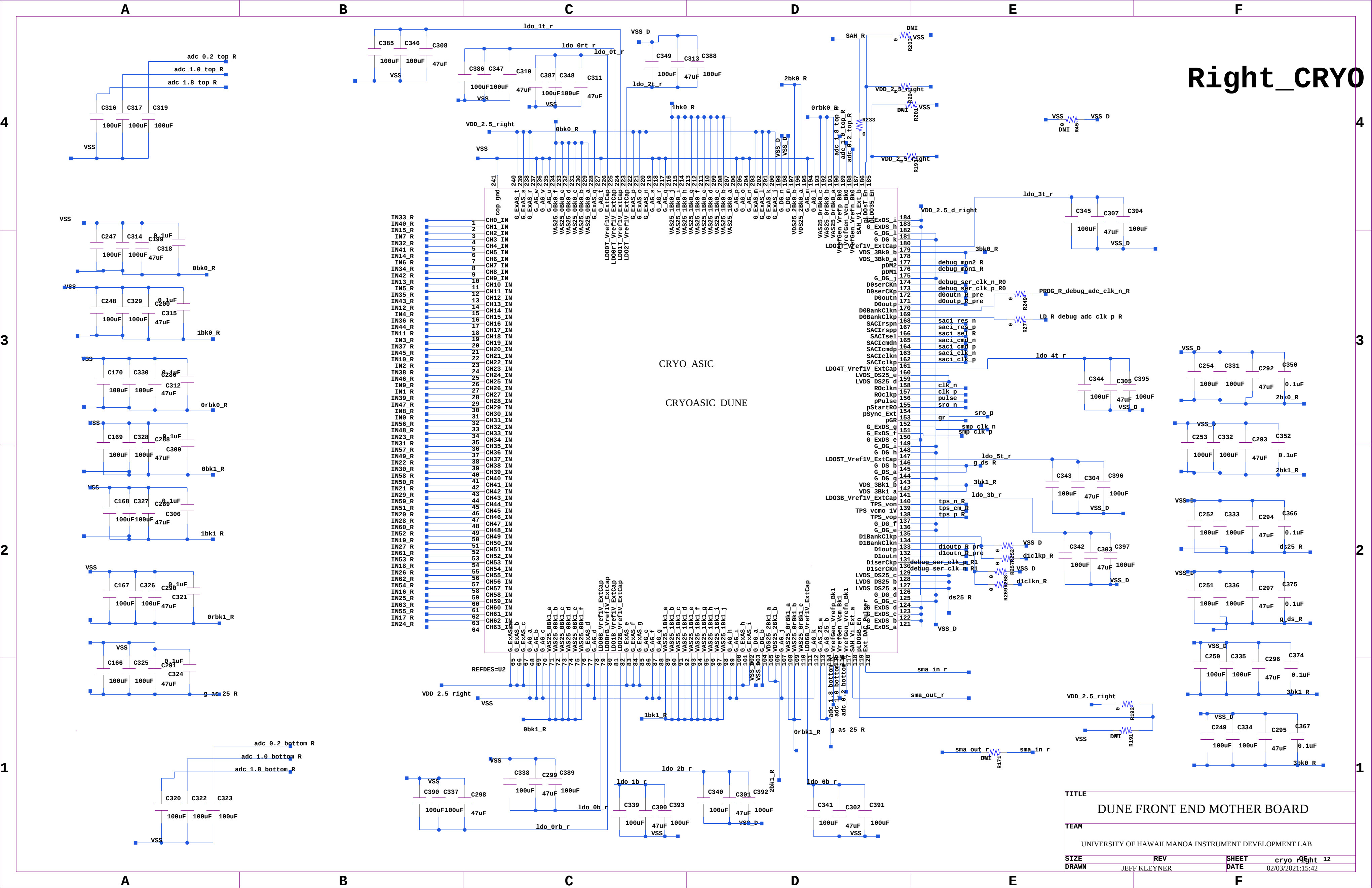
Resistors are not loaded, values of 1G

Note: Inductors are instead loaded by 0ohm R using same footprint

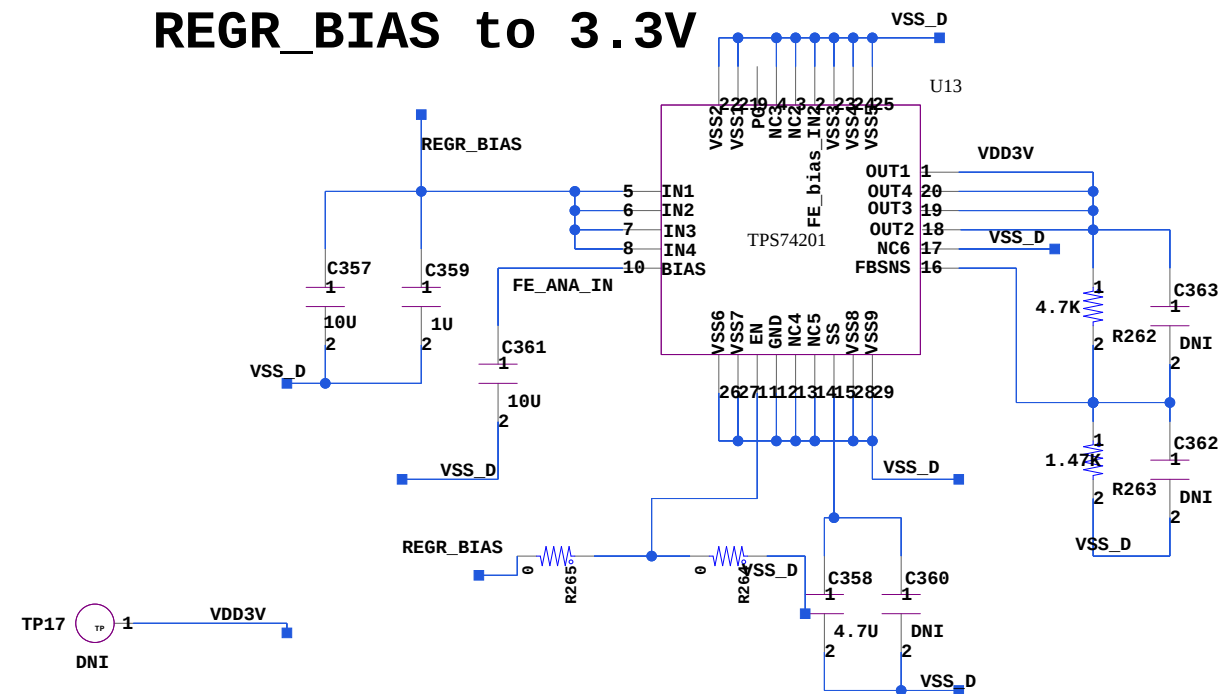
TITLE
DUNE FRONT END MOTHER BOARD

TEAM
UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB

SIZE REV SHEET 10 OF 12
DRAWN JEFF KLEYNER DATE 27/02/2021:22:06

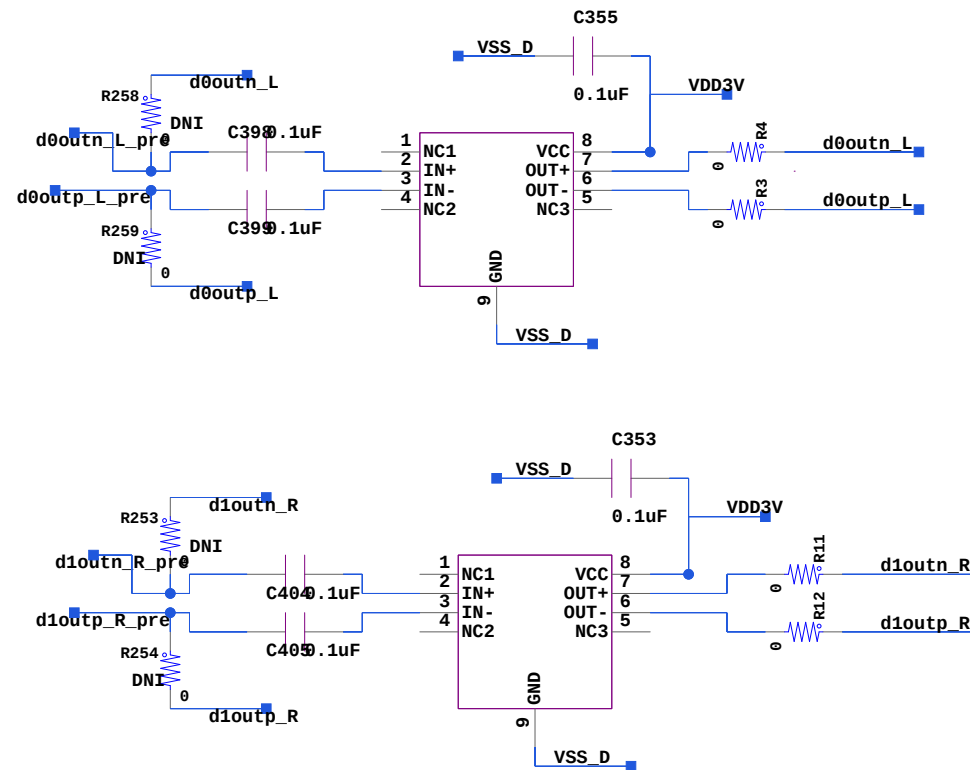
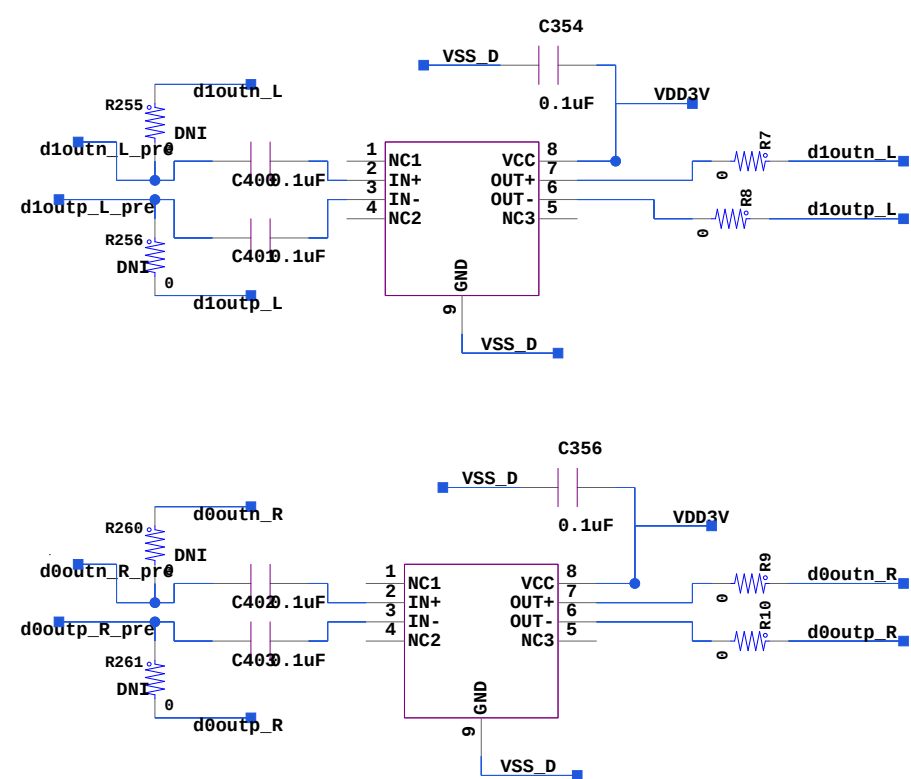


REGR_BIAS to 3.3V



LVDS Drivers

**Load R3,4,7,8,9,10,11,12 and C398,399,400,401,402,403,404,405 to use drivers
Instead load R253,254,255,256,258,259,260,261 to bypass drivers**



TITLE				
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TEAM				
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