DUNE FRONT END MOTHERBOARD

University of Hawaii at Manoa IDL
Adapted from Brookhaven Design

POWER RAW

LDO 1V_D
LDO 2V_A
LDO 2V_D
LDO 2.5V_D
LDO 2.5V_A

jumper

CRYO1

x64

128 data channels

CRYO2

WIB

DATA out to WIB
WIB clk to CRYO
WIB SACI to CRYO

Jumper

(all LDOs and power options have enable pins and jumpers to load)

Default Op Conditions
Left Digital 1V

Right Digital 1V

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

Ground? but keep close to cryo

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UNIVERSITY OF HAWAII MANOA INSTRUMENT DEVELOPMENT LAB

DATE: 10/01/2020
Select raw power in or ldo 2.5 out
Left Digital 2.5V

Right Digital 2.5V

Select raw power in or ldo 2.5 out