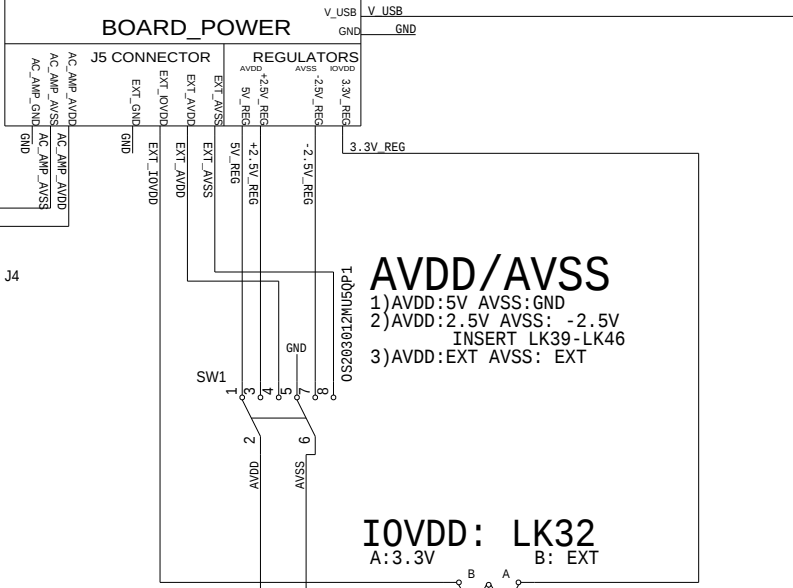
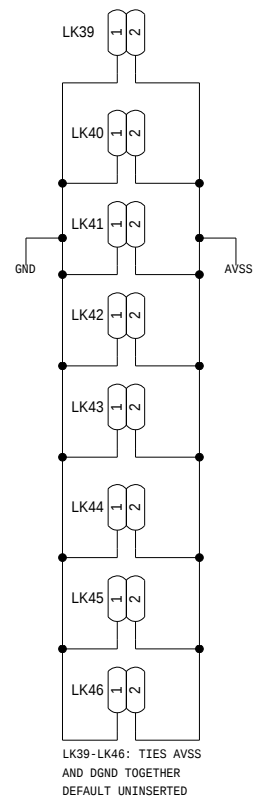


BOARD POWER



AVSS/GND LINKS

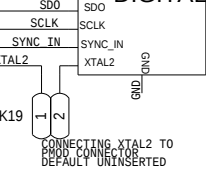


DIGITAL

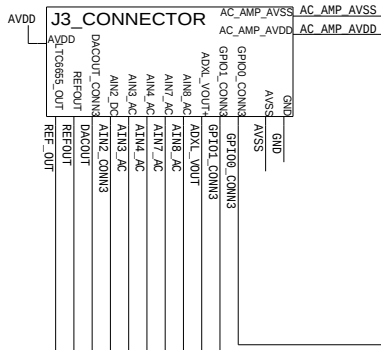
CONTROLLER BOARD OPTIONS

- 1) I2C/UART
- 2) I2C/UART
- 3) I2C/UART

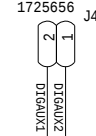
DIGITAL



J3



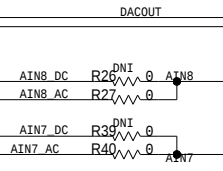
J4



AIN7/AIN8

INPUT OPTIONS:

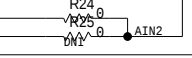
- 2) DC : CONNECTOR J1
- 3) AC : CONNECTOR J3



AIN3/AIN4

INPUT OPTIONS:

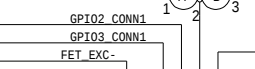
- 1) DC : CONNECTOR J1
- 2) AC : CONNECTOR J3



AIN2

INPUT OPTIONS:

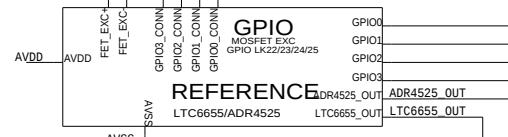
- 2) DC : CONNECTOR J3



GPI0

FUNCTIONALITY

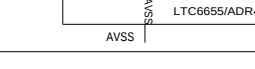
- 1) I2C/UART
- 2) I2C/UART
- 3) I2C/UART



REFERENCE

REFERENCE OPTIONS

- 1) I2C/UART
- 2) I2C/UART
- 3) I2C/UART



REFERENCE SELECT

INPUT OPTIONS:

- 1) I2C/UART
- 2) I2C/UART
- 3) I2C/UART



J2

4/6 WIRE BRIDGE

TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9

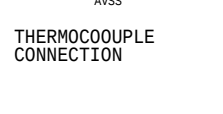
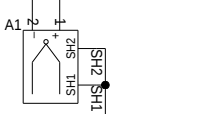
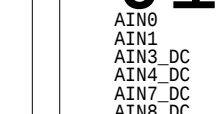
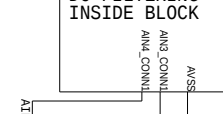
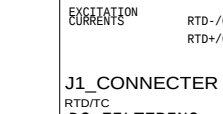
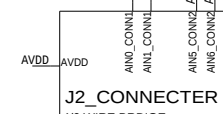
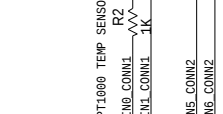
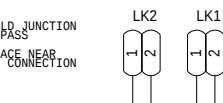
FOR 4/6 WIRE BRIDGE

J1

RTD THERMOCOUPLE

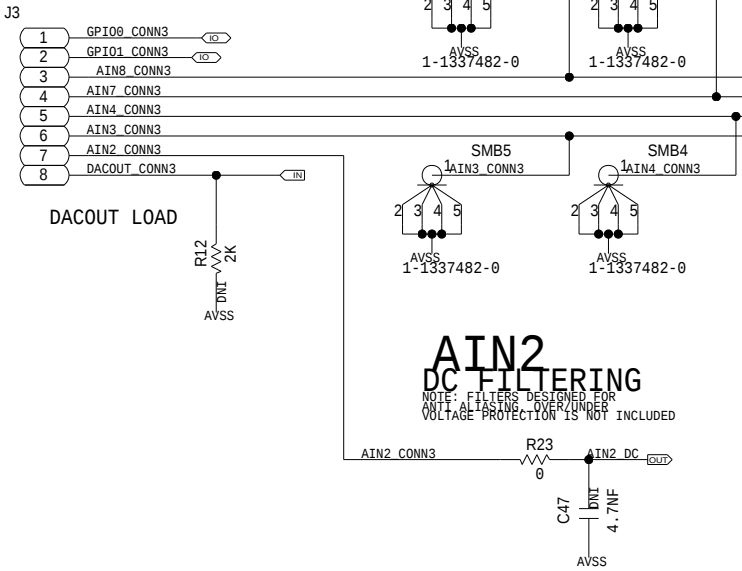
REFOUT

GPI02/3



J3 CONNECTOR

J3 CONNECTOR

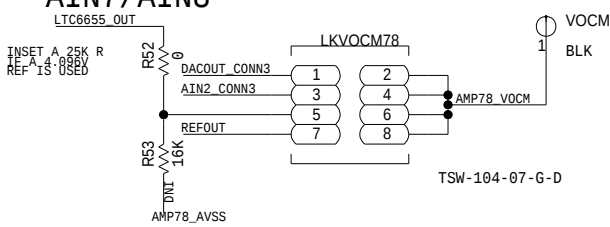


SMB CONNECTION AIN3, AIN4, AIN7, AIN8

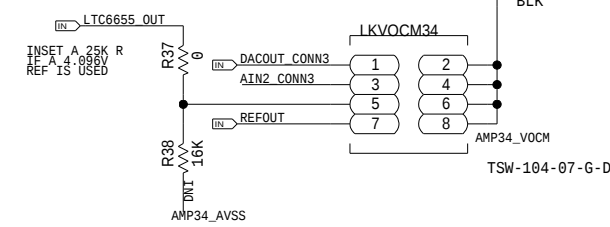
AIN2 DC FILTERING

NOTE: FILTERS DESIGNED FOR ONLY A 1.8V SIGNAL. OVER/UNDER VOLTAGE PROTECTION IS NOT INCLUDED

VOCM SELECT AIN7/AIN8

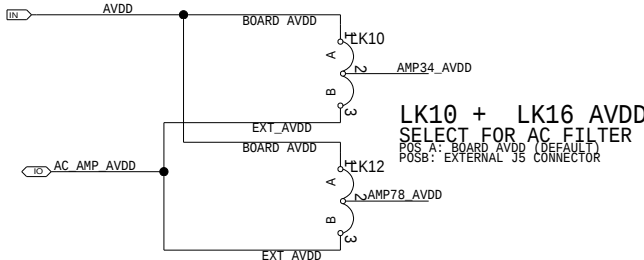


AIN3/AIN4

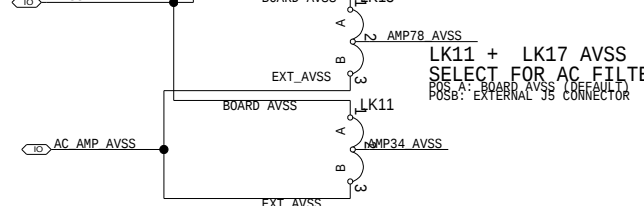


22US SETTLING

AVDD SELECT

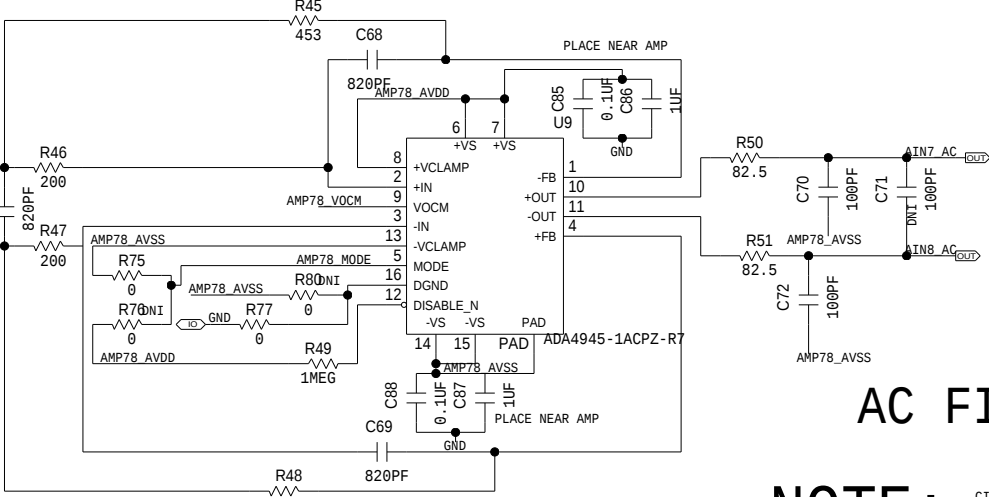


AVSS SELECT



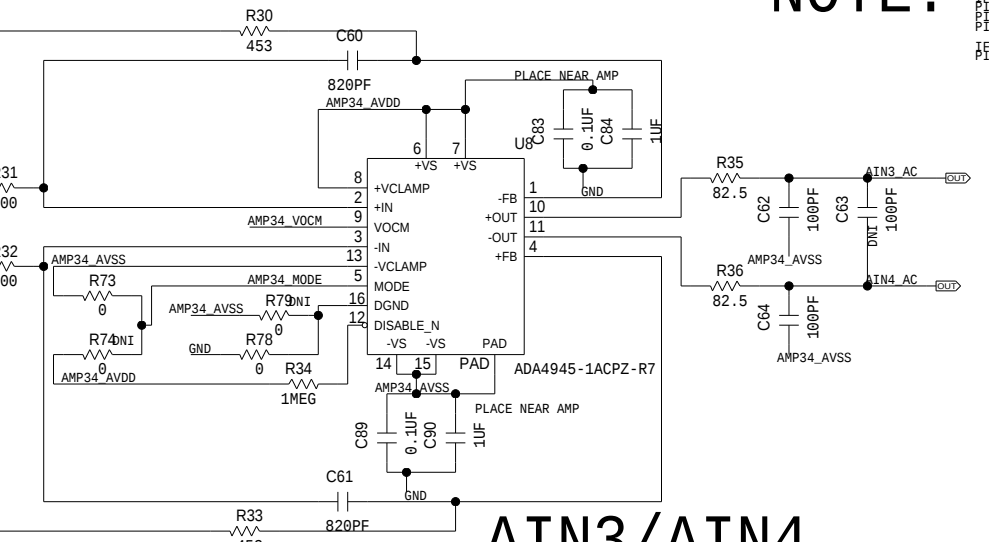
LK10 + LK16 AVDD
SELECT FOR AC FILTER
POS. A: BOARD AVDD (DEFAULT)
POS. B: EXTERNAL J5 CONNECTOR

LK11 + LK17 AVSS
SELECT FOR AC FILTER
POS. A: BOARD AVSS (DEFAULT)
POS. B: EXTERNAL J5 CONNECTOR



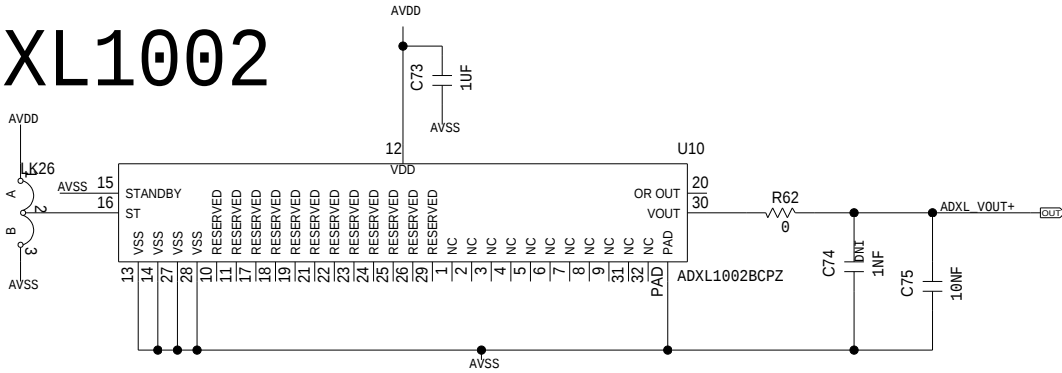
AIN7/AIN8 AC FILTERING

NOTE: CIRCUITS TO THE LEFT ARE FOR USE WITH THE ADA4945-1. IF USING THE ADA4945 OR THE LTC6363: PIN 5: CONNECT TO AMP_AVDD. PIN 16: CONNECT TO AMP_AVSS. IF USING THE ADA4945 IN HIGH POWER MODE: PIN 5: CONNECT TO AMP_AVDD.



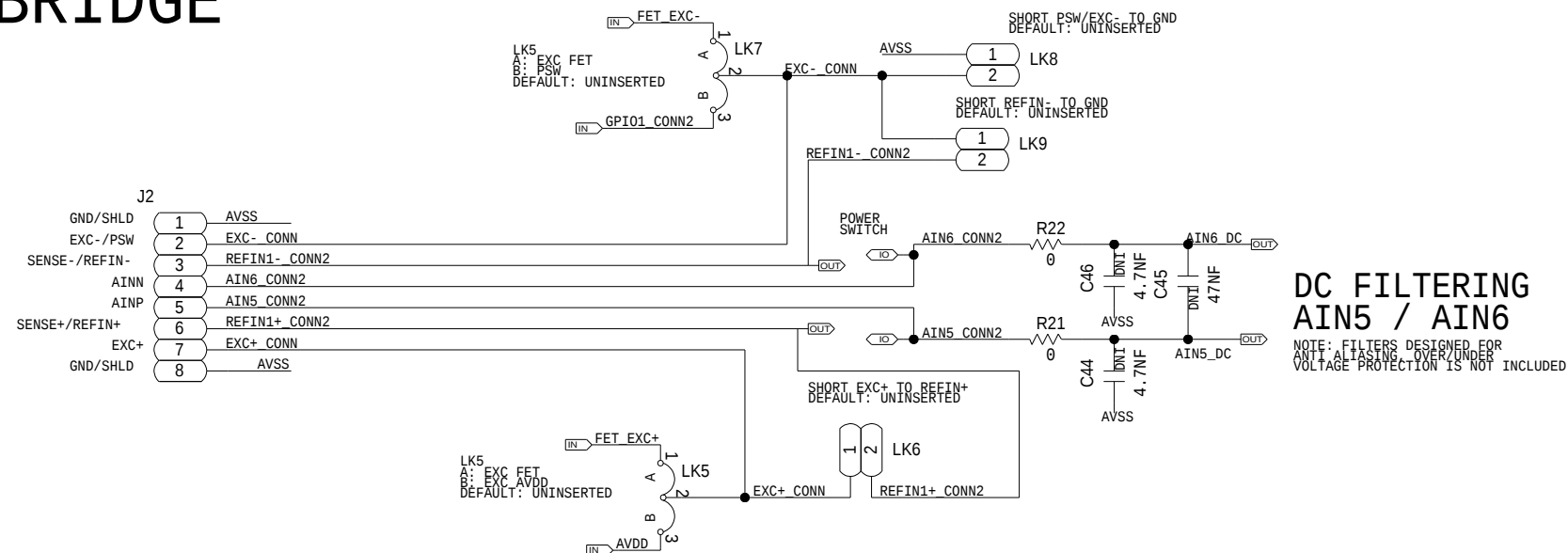
AIN3/AIN4 AC FILTERING

ADXL1002

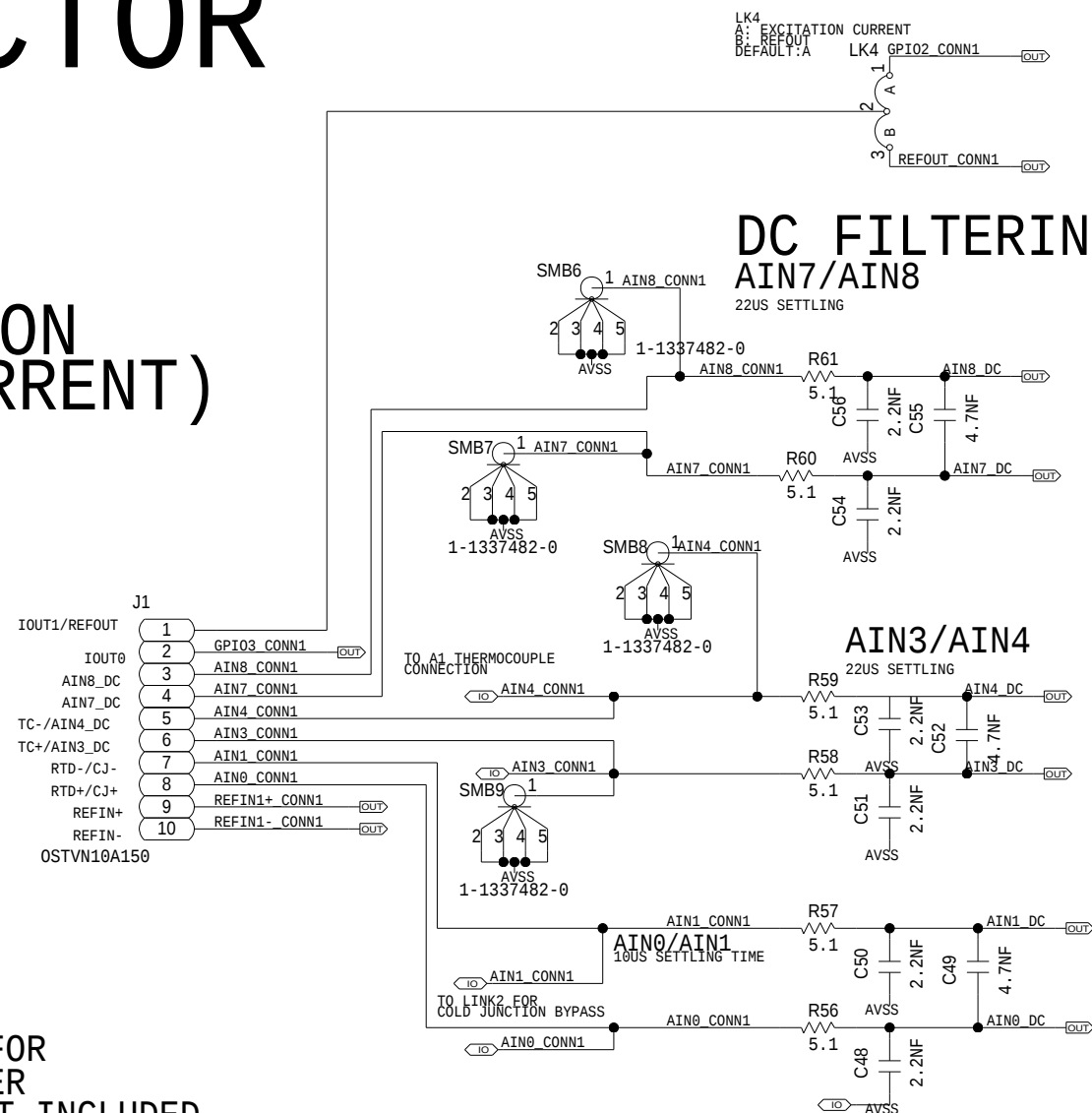


J2 CONNECTOR

4/6 WIIRE BRIDGE

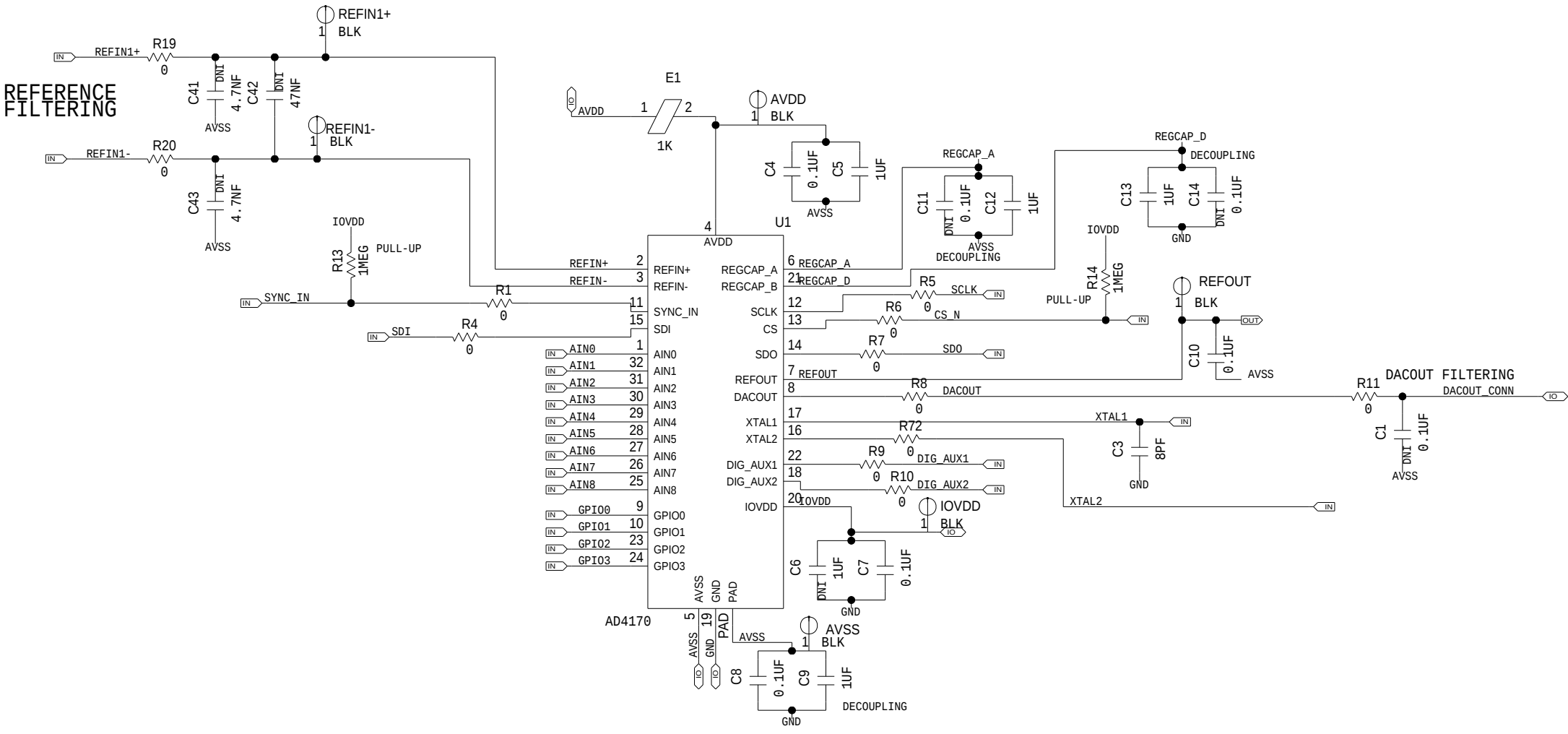


J1 CONNECTOR
RTD
THERMOCOUPLE
REFOUT
GPIO2/3 (EXCITATION
CURRENT)



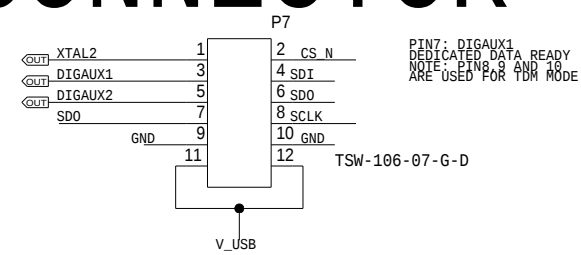
NOTE: FILTERS DESIGNED FOR
ANTI ALIASING, OVER/UNDER
VOLTAGE PROTECTION IS NOT INCLUDED

AD4170 DUT

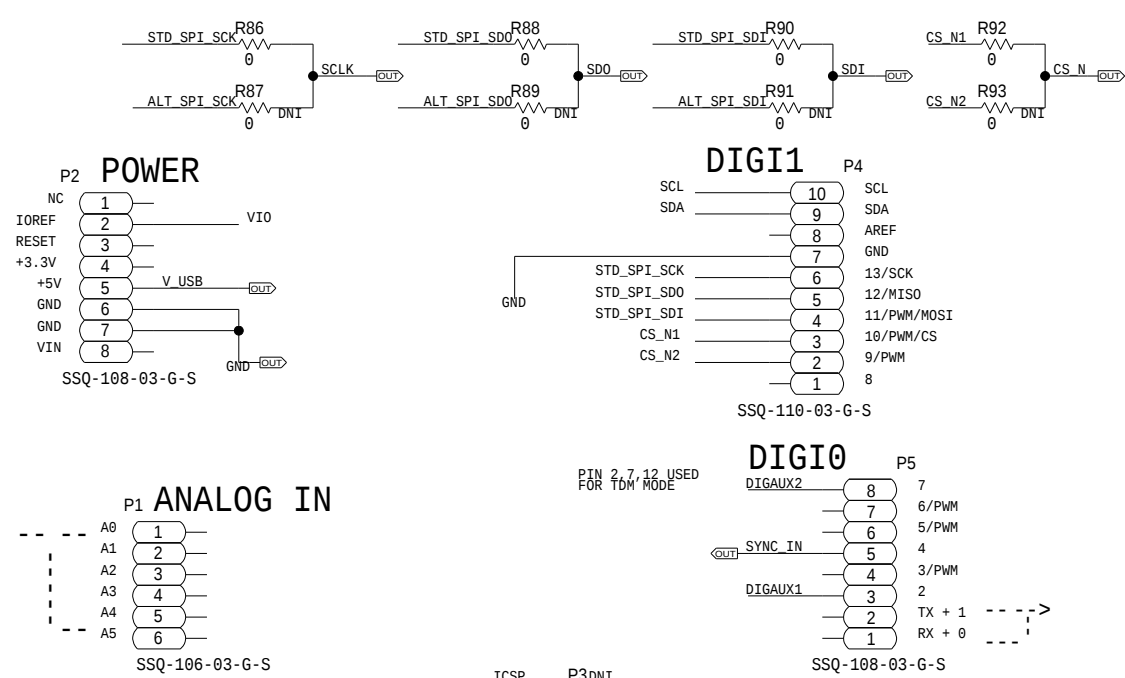


DIGITAL

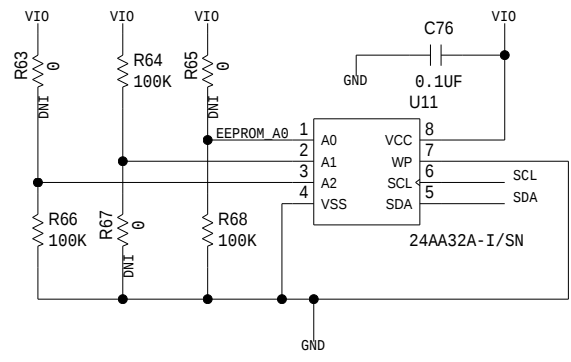
PMOD CONNECTOR



ARDUINO CONNECTOR



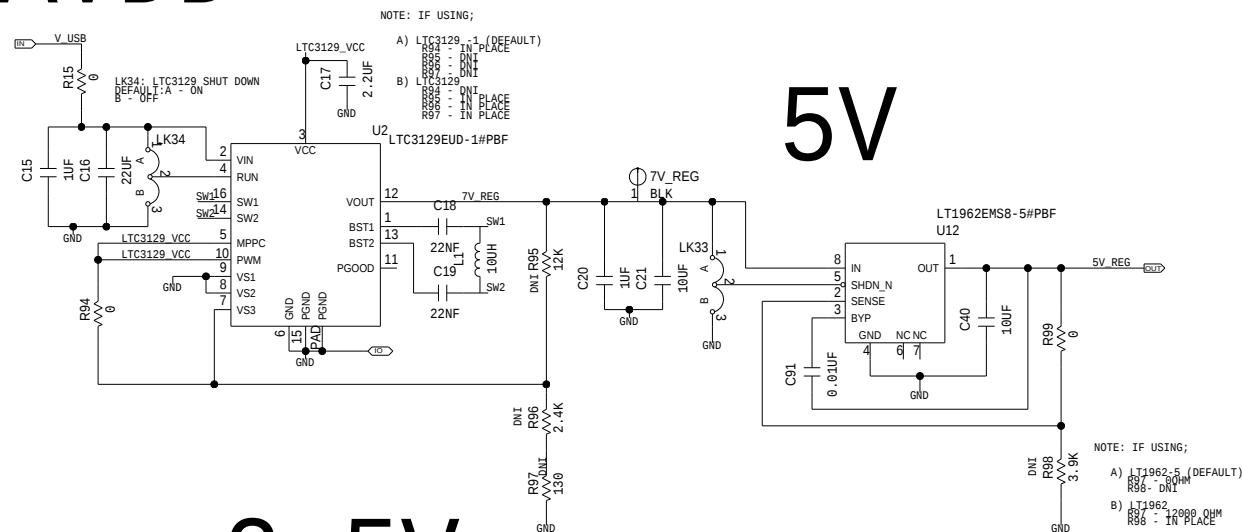
EEPROM CONNECTOR



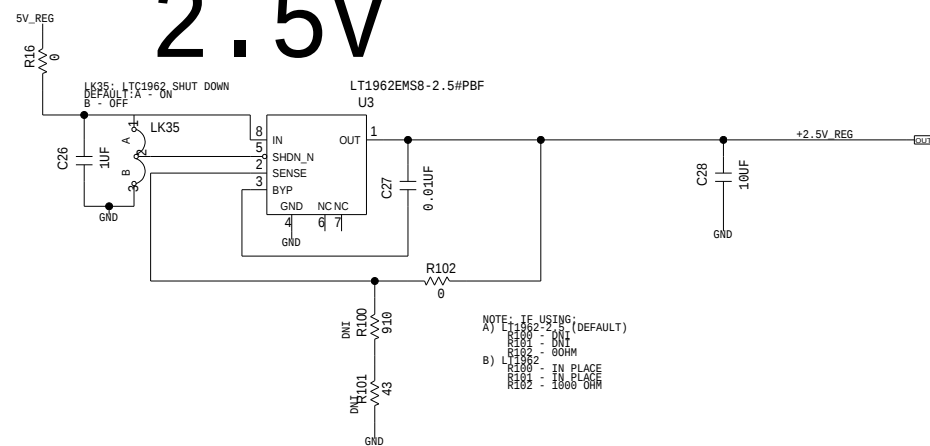
ZIO CONNECTION

BOARD POWER

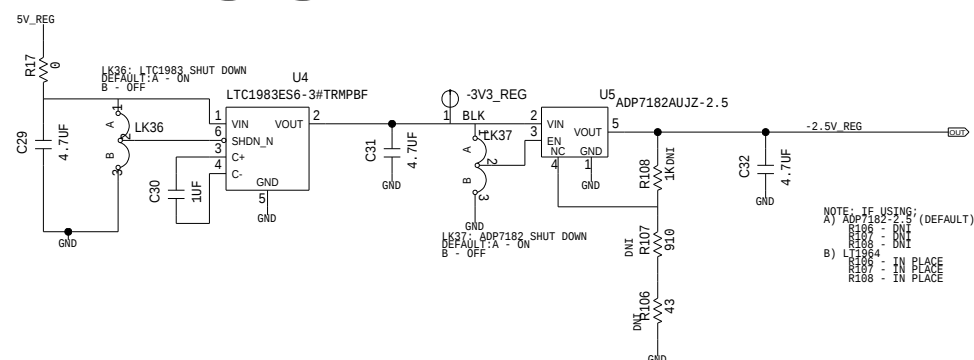
AVDD



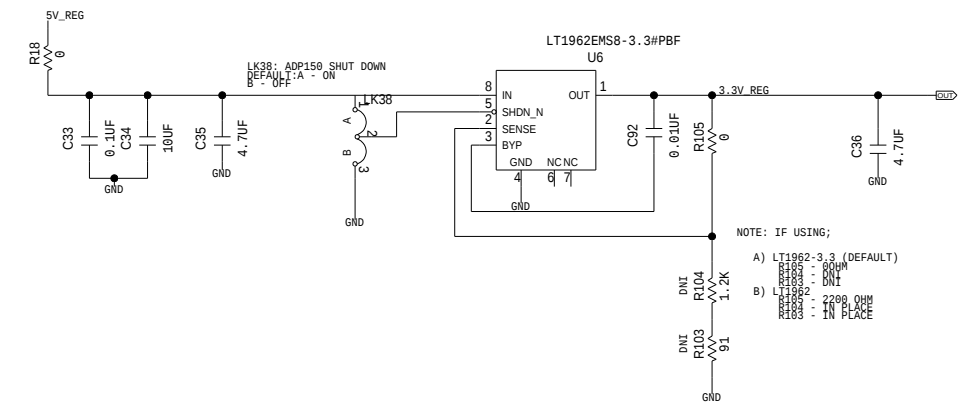
2.5V



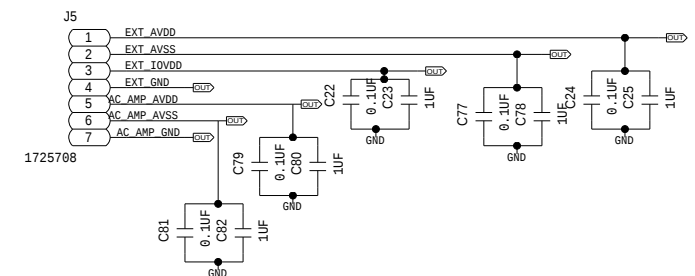
AVSS -2.5V



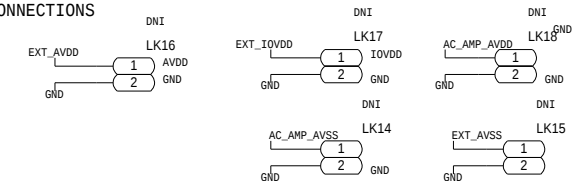
IOVDD 3.3V



EXT POWER

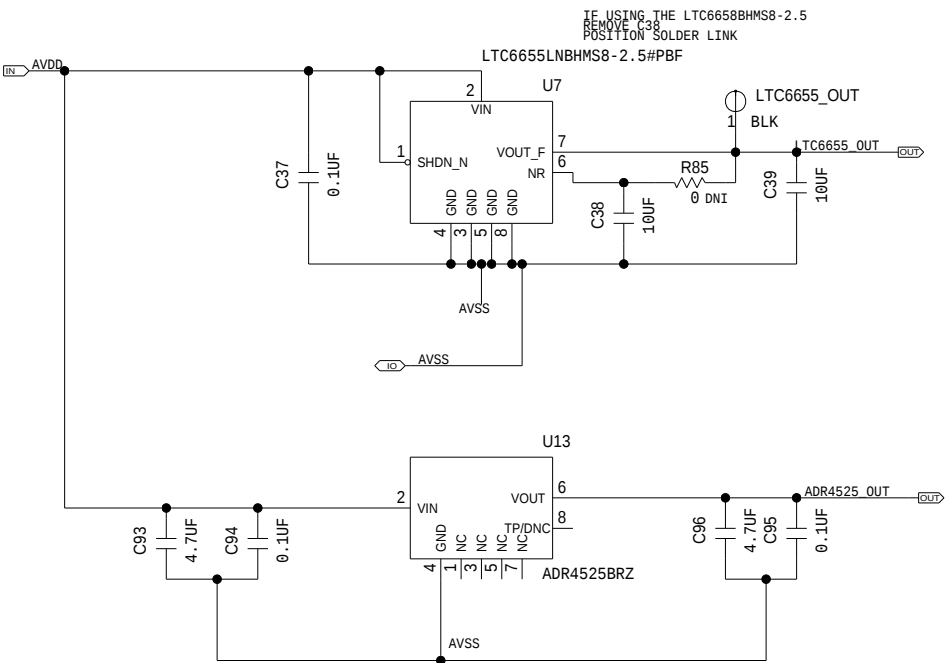


SCP CONNECTIONS

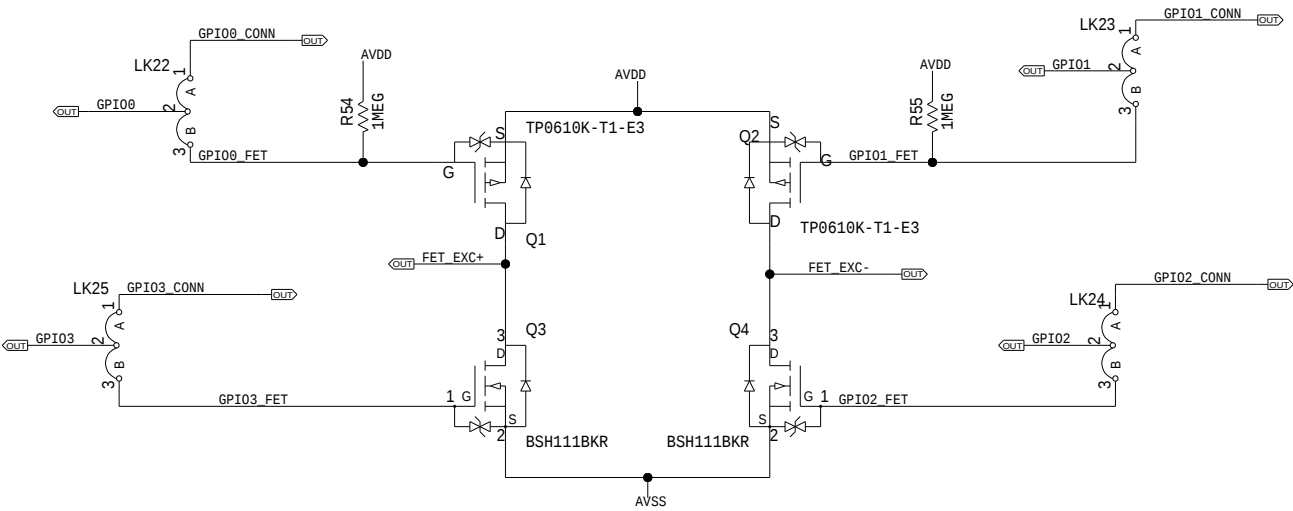


REFERENCE AND GPIO

REFERENCE STRUCTURE



MOSFET STRUCTURE



LK22/LK23/LK24/LK25

POS A: TO CONNECTOR

FOR USE AS GPIO/EXC CURR/PSM

POS B: TO MOSFET STRUCTURE

FOR USE AS AC EXCITATION TO J2 CONNECTOR, WIRE BRIDGE CIRCUIT