3.3V +5V

PIN20X2

JP2 CS_2MM

JP1 CS_1MM

SPI1_SCLK

SPI0_MOSI
SPI0_MISO
SPI0_SCLK

SPI1_CS1
SPI1_CS0

SPI1_MISO
SPI0_CS0
SPI0_CS1

RST

DIO1
DIO2
DIO3

DIO4

SPI1_MOSI

J1

GND   GND

VDD   VDD

J2
ADIS1648X/49X/54X

DIO4   2   DIO4   DIO3   1   DIO3
SPI0_MISO 4   DOUT   SCLK   3   SPI0_SCLK
CS_1MM 6   CS   DIN   5   SPI0_MOSI
RST   8   RST   DIO1   7   DIO1
        10 VDD   DIO2   9   DIO2
        12 VDD   VDD   11
        14 GND   GND   13
        18 DNC   GND   15
        20 DNC   DNC   17
        22 DNC   DNC   19
        24 DNC   DNC   21
            DNC   VDDRTC 23

GND   GND

+5V

U1
ADM7172ACPZ-3.3-R7

7 VIN VOUT 1
8 VIN VOUT 2
       SENSE 3

5 EN GND SS 4

C1   6*2   C3   C2   C4
10uF   1uF   10uF 1uF

GND

+5V 3.3V VDD

JP3

J4
3
2
1

VDD   VDD

J3

RST   1 RST   SCLK   2 SPI1_SCLK
CS_2MM 3 CS   MISO   4 SPI1_MISO
        5 NC   MOSI   6 SPI1_MOSI
        7 GND   TCK   8
        9 TDI   VDD   10
        11 TMS   VDD   12
DIO1   13 DIO0   DIO1   14 DIO2
DIO3   15 TDO   NC   16 DIO4

GND   GND

JP1: 48x,49x,54x CS Selector
JP2: 47x, 50x CS Selector
JP3: VDD Selector (3.3V Default)

R1
SPI1_SCLK 0   SPI0_SCLK
          R2
SPI1_MISO 0   SPI0_MISO
          R3
SPI1_MOSI 0   SPI0_MOSI
          R4
CS_2MM   0   CS_1MM

Install R1-R4 to link SPI0 and SPI1

U2

Project: IMU Raspberry Pi Breakout RevB
Author: Juan Jose Chong
REV: B
Date: 9/25/2020 9:12 PM   Sheet: 1/1

9/25/2020 9:48 PM f=0.93 C:\Users\Juan\Nextcloud\Eagle\projects\ADI\IMU Raspberry Pi Breakout\IMU Raspberry Pi Breakout RevB.sch (Sheet: 1/1)