SAO Sketch Test Guide

Created for Hardware Version 1.3 on 2025-01-13 by Andy Geppert

1. **CONNECT TO I2C PINS**

On the bottom side of the board connect to the four pins for I2C testing.

SDA – data I2C

SCL – clock I2C

GNDD - ground

3V3 – 3.3V power

See green box:

A red rectangular object with a white space

Description automatically generated

1. **TEST PATTERN ON OLED**

I2C 7-bit address is 0x3C

Send test pattern image to OLED display.

Verify all pixels are working.

[Andy can provide test firmware in Arduino format.]

1. **TEST ACCELEROMETER AND POTENTIOMETERS**

I2C 7-bit address is 0x19

Read the accelerometer values.

Read the potentiometer values at both ends of rotation. Fully clockwise and fully counter clockwise.

[Andy can provide test firmware in Arduino format.]