Afbeelding met grafiek

Automatisch gegenereerde beschrijving

BNO055 VIN pin -> Pico 3V3 pin (or VBUS pin if using a USB cable for power)

BNO055 GND pin -> Pico GND pin

BNO055 SDA pin -> Pico GP12 pin (or any other GPIO pin that supports I2C)

BNO055 SCL pin -> Pico GP13 pin (or any other GPIO pin that supports I2C)

Short answer: Install an additional pullup resistor, around 2K to 3K ohms, from SDA to 3.3V. Leave SCL alone. Your project will probably now run reliably. Of 1K?