XinaBox Datasheet SX02 - Universal Analog Input

SX02 - Universal Analog Input (ADC081C021)

Front

Back

Contents

Overview

This xCHIP is a low-power, monolithic, 8-bit, analog-to-digital converter (ADC).

Product Highlights

- I2C-Compatible 2-Wire Interface Which Supports Standard, Fast, and High Speed Modes

Applications

- System Monitoring
- Peak Detection
- Portable Instruments
- Medical Instruments
- Test Equipment

Specifications

- I2C-Compatible 2-Wire Interface Which Supports Standard (100 kHz), Fast (400 kHz), and High Speed (3.4 MHz) Modes
- Out-of-Range Alert Function
- Automatic Power-Down Mode While Not Converting

External Links

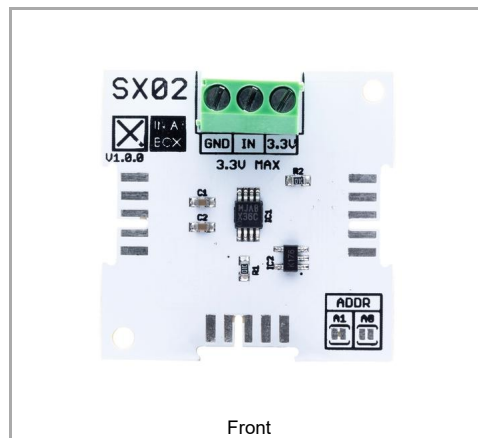### Datasheets

- ADC081C021 From Texas Instruments (http://www.ti.com/lit/ds/symlink/adc081c021.pdf)
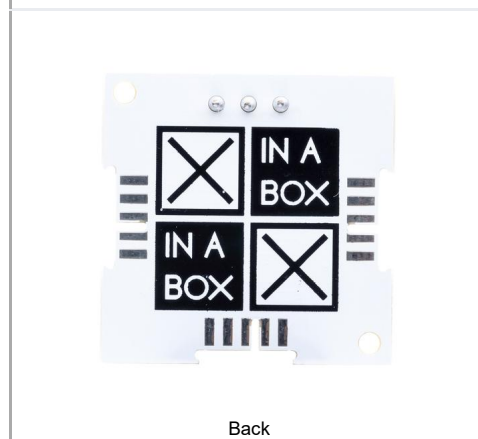
Shop

- Buy SX02 (https://xinabox.cc/products/SX02)

GitHub

- SX02 on GitHub (https://github.com/xinabox/xSX02)

⊠CHIP	
Main Category	Sensor
Sub Category	Universal Analog Input
Introduced	1 January 2017
Current version	1.0.1
Current version date	1 January 2017
Dimensions	
Size	2x2U (32x32mm)
Weight	4.4 g
Height	12.3/0/0 mm
Main Chip Set	
Main Chip	ADC081C021
I^{2}C Speed	400 kHz
I²C Configuration	
Default Address	0x55
Change Setting	0x56 0x5A 0x59