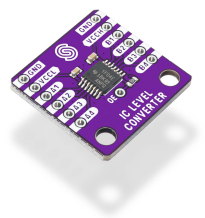
PRODUCT DATASHEET

Logic Level Converter I2C TXS0104 Breakout



333016

The TXS0104 Logic Level Converter enables safe I2C communication between 5V and 3.3V devices, preventing damage and ensuring compatibility.

Full product documentation, files and tutorials: **solde.red/333016**

CORE ATTRIBUTES

SKU **333016**

WEIGHT **5 g**

BARCODE **732388674800**

DESCRIPTION

This small and simple module gives us a translation of logic level between two signals. In layman's terms, if we take a signal with logical "unit" on 5V convert into a signal which logical "unit" has on 3.3V this module will help us. Something like this is useful in this case if we want to achieve communication between two devices from whom one works on 5V and the other on 3.3V, or any other combination of voltages. Directly connecting we would "burn" a device that works on 3.3V and a module gives us to avoid that.

This board is specialized for signal conversion for I2C communication protocol, and for this conversion it uses a special integrated circuit that enables communication at high speeds.

TECHNICAL DETAILS

- **Max. voltage:** 30V
- **Number of channels:** 4
- **Communication protocol:** I2C
- **Dimensions:** 22 × 22 mm / 0.9 × 0.9 inch

SPECIFICATIONS

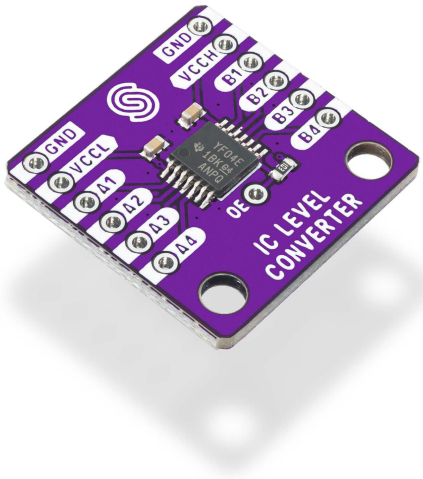
INTERFACE	I2C, Digital Gpio
QWIIC COMPATIBLE	No
BREADBOARD COMPATIBLE	Yes
IC PART NUMBER	TXS0104
SUPPLY VOLTAGE MIN V	

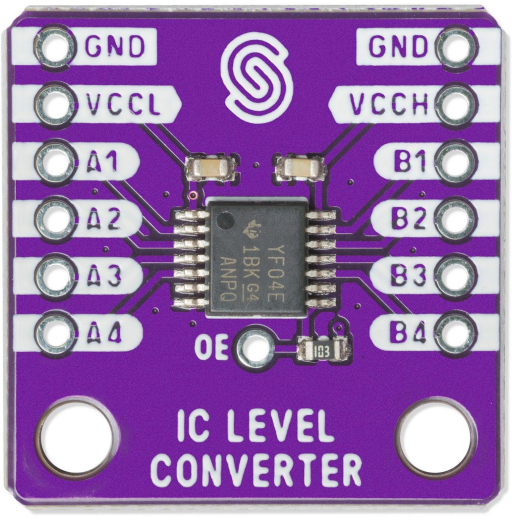
	1.65
SUPPLY VOLTAGE MAX V	5
LOGIC LEVEL	3V3 Or 5V

LINKS

Open Source Hardware Files	https://github.com/SolderedElectronics/Logic-level-converter-I2C-TXS0104-breakout-hardware-design
Full Documentation	https://docs.soldered.com/txs0104/overview/
Hardware Details	https://docs.soldered.com/txs0104/hardware/
Pinout	https://cms.soldered.com/products/333016/media/333016_pinout-png_a4aa76.svg

GALLERY


GND
VCCH
B1
B2
B3
B4
GND
VCCL
A1
A2
A3
A4
OE
IC LEVEL
CONVERTER


GND
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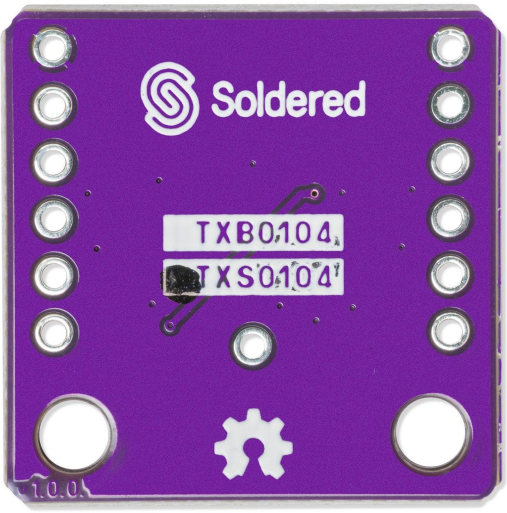
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