



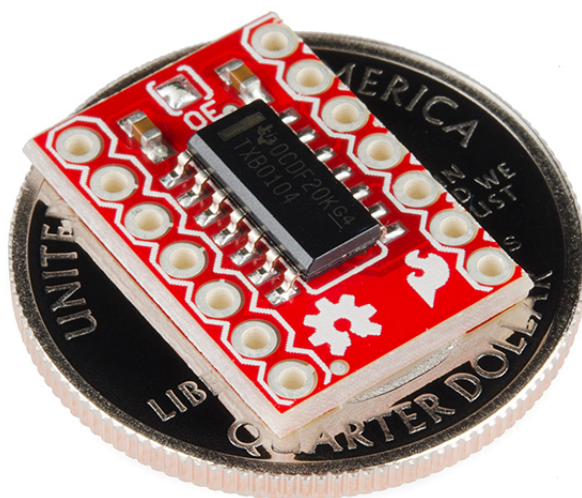
TXB0104 Level Shifter Hookup Guide

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Introduction



The TXB0104 is a bi-directional signal level shifter made by Texas Instruments. It features four channels of input/output signals and an output enable line that allows the signal lines to be placed in a high impedance mode when they are unneeded.

Depending on the high and low side voltages, the bandwidth on the individual signal channels can range from 20Mbps up to 100Mbps, making the TXB0104 suitable for higher speed signals such as SPI.

SparkFun's TXB0104 breakout board makes it easy to use this powerful chip in your projects.

Suggested Reading

Before going further with this guide, you should be familiar with the topics covered in these tutorials:

- Logic levels
- SPI

TXB0104 BOB Overview

There you have it. The TXB0104 is a pretty simple board to use. Now, get out there and convert some logic levels. If you need more info, please check out the TXB0104 GitHub repository.

If you want more info on logic level converters, check out these other great hookup guides:

- [Logic Level Converter Hookup Guide](#)
- [Bi-Directional Logic Level Converter Hookup Guide](#)
- [PCA9306 Level Translator Hookup Guide](#)