

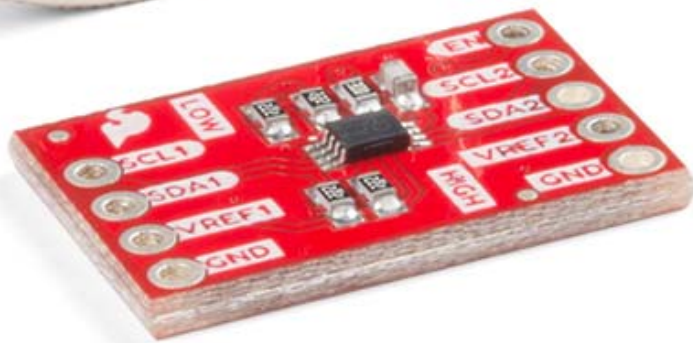
## SparkFun Level Translator Breakout - PCA9306

BOB-15439

There are a couple must-have boards that every engineer and hobbyist should have on their desk, and this PCA9306 dual, bidirectional voltage-level translator breakout is one of them! Because different parts sometimes use different voltage levels to communicate, voltage level translators can be the key to making different parts play nice.

The PCA9306 is a dual bidirectional I<sup>2</sup>C-bus and SMBus voltage-level translator that's operational on the low side from 1.2V to 3.3V and on the high side from 1.8V to 5.5V. Simply apply your low and high-side reference voltages to the VREF1 and VREF2 respectively, connect your I/O and drive the Enable pin high to open bidirectional voltage translation without the use of a direction pin!

We've updated this classic board to use a new footprint as well as adding a second ground pin and breaking out the enable pin.



<https://www.sparkfun.com/products/15439/7-30-19>