I recently came amazon these modules level adapters for use with arduino etc.
The can be found as:

5PCS XCSOURCE IIC I2C Logic Level Bi-Directional Converter Module 5V to 3.3V TE291

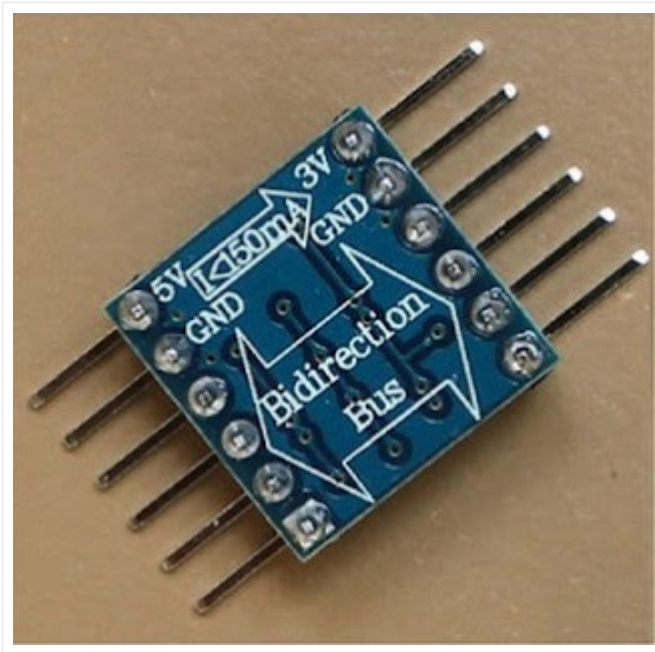http://www.amazon.com/gp/product/B0148BLZGE?ref_=pe_527950_33920290 7.99 USD

Also for 5 units:

JY-MCU 3V 5V IIC UART SPI Level 4-Way Converter Adapter Module

in dealextreme: http://www.dx.com/p/jy-mcu-5v-3v-iic-uart-spi-level-4-way-converter-module-adapter-178286 2.40 USD
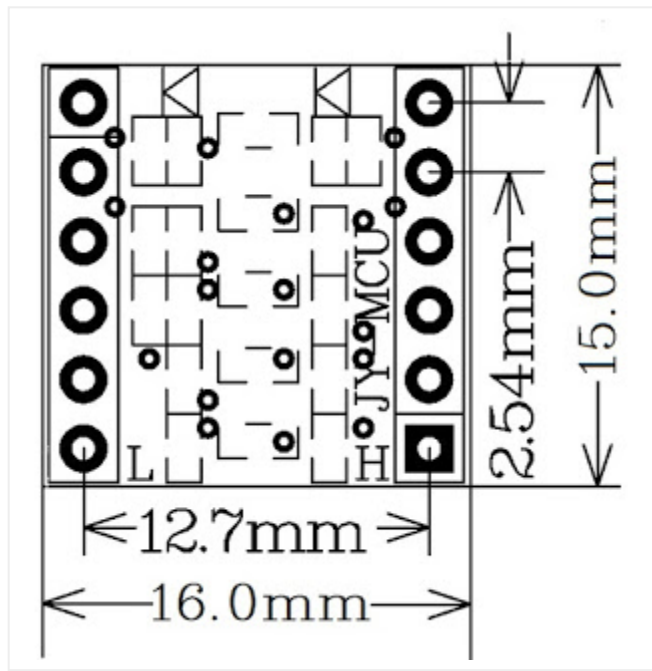
In both cases they are the same, those of previously ordered dealextreme (awful price difference) and were held in customs. When ordering the amazon gave me the first for no reason ...

Very practical for its small size because it does not add much to our existing circuit or project and its very simple coneccionado.

As seen in the image only requires two voltages to adapt, land, and we have four bidirectional channels available.
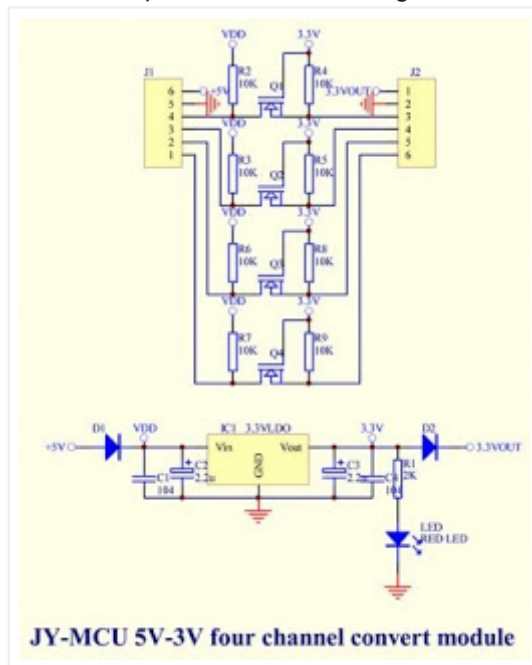
As for size:

Not counting the pin (on mine brings them apart without welding)
external measures are 16x15 mm.
I also found the diagram although I have not compared with which I have but I'm sure they are all
copies of the same design.

JY-MCU 5V-3V four channel convert module

Something more is that also works with 2.8 and 1.8!
Just enough to feed those values on pins 5 and 3 volts.
The maximum current can never exceed 150m, and will inspect its thermal performance as usual
and put the results here.

Posted by oscar at 16:43

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Tags: 3.3V , 5V , arduino , Bi-Directional Module , I2C , IIC , Logic Level Converter , TE291 , XCSOURCE