



Simple interface to connect 3V I2C or SMBUS parts to a 5V BL233 or I2C2PC adaptor.

This will ONLY work with Bus#3. Bus#3 has TTL levels ie Hi=2V, Lo=0.8V.
If you use with Bus#1 or #2 it will not work reliably if at all.

Note that several mA will flow through the diodes when the bus is in the Hi state. This current has to go somewhere, so the LED is needed.

5V Tolerant IC's:

Many 3V smbus IC's have 5V tolerant bus pins.
In this case you can remove R3 to stop the clamping action. As the bus levels will be 5V, you can use any bus (1-3)

R2 Values:

3.6V	413
3.4V	390
3.3V	360
3.1V	330
3.0V	308
2.7V	255
2.5V	220

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