MICROCHIP

ATUSB-GESTIC-PCB Information Sheet

Documentation Zip Contents

Information Sheet
PCB Design file schematic
PCB Design file layout

Kit Contents

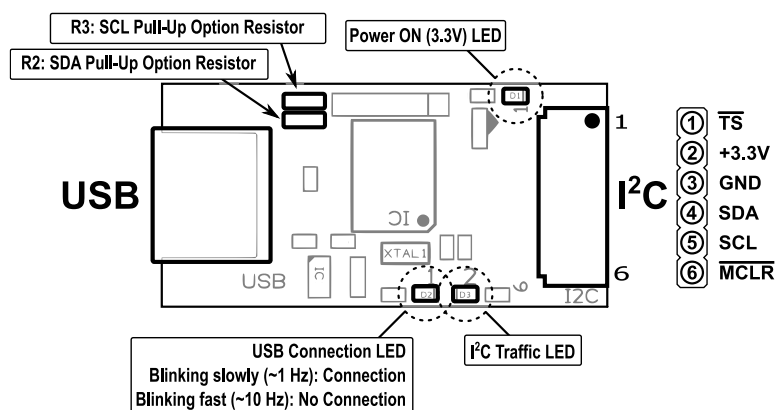| |
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| **1x ATUSB-GESTC-PCB (04-10190)** |

Using the ATUSB-GESTIC-PCB

This product provides an interface to convert I2C signals to USB and communicate with PC-based applications. The board is designed to be used with Microchip GestIC 3D gesture controllers.

The PCB can supply 3.3V to a single MGC3030, MGC3130 or MGC3140. Note however that it cannot supply a complete target system and it cannot be powered by the target.

When using separate supplies, the bridge board should be powered up *before* and powered down *after* the target.
I/O ports are open drain and designed to operate at 3.3V only.

LED indications and options

The board provides 3 LEDs to simplify diagnostic. Optional (not assembled) SDA and SCL line 1.8kΩ pull-up resistors R2 to 3.3V and R3 to 3.3V can be mounted if the target is not providing them. Pull-up on /TS line must always be supplied externally (10kΩ recommended).

Additional Information

The product documentation zip file and more information about the device can be found here: https://www.microchip.com/design-centers/capacitive-touch-sensing/gestic-technology or is available from your Microchip representative.