

# DEVICE FUNCTIONS

## C3005B

### Features

- UART - USB conversion.
- Virtual COM port device driver.
- ESD surge protection on USB port:  $\pm 8\text{kv}$  contact discharge,  $\pm 15\text{kv}$  air gap discharge.
- USB bus powered, 12mA.
- Fixed and programmable UART settings.



### Specifications

USB	USB specification 2.0 compliant USB mini-B receptacle connector USB full speed 12Mbps transmission
UART	Signals: Rx, Tx, GND Receive Rx input voltage range: 3.3v to 5v Transmit Tx output voltage: 3.3v Connector: 2.54mm pitch, double row, 6 $\varnothing 1.02\text{mm}$ holes Baud rate: 1200bps to 115200bps Parity: Even, Odd, None, Mark, Space Data length: 5-bit, 6-bit, 7-bit, 8-bit Stop bits: 1-bit, 2-bit
Grounding	USB connector is grounded.
Power	USB bus powered, 12mA
Software	32-bit and 64-bit virtual COM port device driver for Microsoft Windows 8, Windows 7, Windows Vista, Windows XP.
Part Number	C3005B      UART programmable, support all settings. C3005B-96    UART setting: 9600bps, 8-bit, No parity, 1-bit stop. C3005B-19    UART setting: 19200bps, 8-bit, No parity, 1-bit stop. C3005B-11    UART setting: 115200bps, 8-bit, No parity, 1-bit stop.
Operating temperature range: $-40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$	

### UART Connector Definition



### Software Installation

The software package is supplied in a compressed folder file named *USB\_COM\_1P\_Driver* or a CD. Here are the installation steps.

1. If you have file *USB\_COM\_1P\_Driver*, rename *USB\_COM\_1P\_Driver* to *USB\_COM\_1P\_Driver.zip*, extract all files to a file folder on your local disk or USB drive, double click *setup.exe* to start software installation.
2. If you have the software CD, insert the software CD into your computer's disc drive, the software installation will start automatically.
3. Follow the on-screen instructions until the setup wizard finishes.

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4. Connect USB module to the computer's USB port with an USB cable.
5. Follow the on-screen instructions if any to complete the software installation.

## Accessory

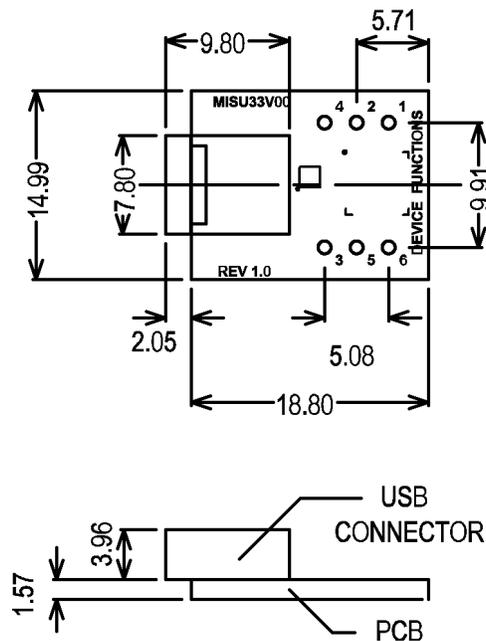
### SWD001

Virtual COM USB device driver CD

The virtual COM port device driver supports 32-bit (x86) and 64-bit (x64) Microsoft Windows 8, Windows 7, Windows Vista, Windows XP.



### Drawing (mm, tolerance $\pm 0.1$ )



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