

Features

- Demonstrates the [Term Component](#).
- Terminal device access to a Host computer. (Input and Output)
- Simple example code.

General description

The Term_Demo demonstrates the operation of the [Term Component](#) by using a Terminal communication to a Host computer. The [Term Component](#) is intended to be a simple yet versatile component that replaces the Cypress UART and USBUART components. It was intended to be a drop-in replacement of the UART component using the exact same API calls.

You can select which type of UART to use (UART or USBUART) in the component configuration dialog. Refer to the [Term Component](#) datasheet for further information.

Term_Demo Requirements

- PsoC Creator 4.2 or higher.

Device Families Supported

At this time, the [Term Component](#) is only supported for the PsoC5 family.

Target Boards

The Term_Demo project was built for the CY8CKIT-059 board. The default pin assignments are:

- [UART type] Tx => P12[7]; Rx => P12[6]
- [USBUART type] Dm => P15[7]; Dp => P15[6]

Other PsoC5 boards can be used however you may have to select a different PsoC5 device and you may have to assign the Rx andTx pins to other ports. (If the UART Type selected to be “USBUART”, the PsoC5 hard-codes the USB pins to 15[7] and 15[6].)

Demo Results

Once the PsoC is successfully programmed, connect to a Terminal program on the Host computer using the assigned COM port. (If using the UART type, the connection spec is 115.2Kbps 8N1. If using the USBUART type, the connection spec is at any rate.)

On the Terminal program, you should see the following repeated with tab separations in the Terminal window (Output test):

```
Term_Demo 2.0.0 count=xxxx // The xxxx is a increasing count.
```

If you type any character on the Terminal window, the character will be echoed back on the Terminal window. (Input test)

Project Changes

Version	Description of changes	Reason for changes/impact
2.0.1	Minor comment updates	Improved readability
2.0.0	Library released version	Library version
1.0.0	first release of the project	Non-library version. Originally called Term

References

Term Component: Term_v2_3.pdf	
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