

This Cypress Creator library component was developed as part of PSoC study and does not pursue any particular purpose. It is free to use, distribute or modify, all at your own risk.

Component:

SerialPlot: Implements software interface to the SerialPlot real-time plotting software
Version (v1.0)

New in v1.0:

- * The number of channels increased to 64
- * Multiple data packets per frame
- * Added procedure PlotArray()
- * Compatibility with PSoc4 SCB UART

Component Library location:

.\SerialPlot\SerialPlot_lib.cylib

Description:

Implements interface between PSoC and SerialPlot software.

Data types: int8, int16, int32, uint8, uint16, uint32 and float

Doesn't use hardware resources

Up to 64 channels.

Credits:

SerialPlot v0.12.0, by Hasan Yavuz Özderya,

<https://hackaday.io/project/5334-serialplot-realtime-plotting-software/discussion-88924>

<https://github.com/hyOzd/serialplot>

Compiled with:

Creator 4.0 SP1

(to be compatible with older and newer Creator versions)

The datasheet and basic demo projects are provided alongside the component library.

Installation:

For express installation unzip SerialPlot_lib.zip and Demos.zip in the same folder using Windows menu option "Extract here". The resulting folder structure should look like shown below:

```
.\YourFolderName
  \SerialPlot_lib
    \SerialPlot_lib.cylib
  \Demos
    \SerialPlot_basic_01a.cydsn
    \SerialPlot_P4M_basic_01a.cydsn
    \SerialPlot_PlotArray_01a.cydsn
```

Note: It appears that Creator 4.0 has path length limitation for dependencies list, which results in errors. Use shorter path length when installing the SerialPlot library in the Creator 4.0. Creator 4.4 does not have such limitations.