# PSoC® Creator™ Quick Start Guide

## Install


Download PSoC Creator from http://www.cypress.com/creator, or install from a kit CD.

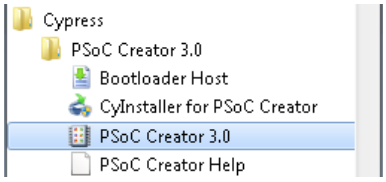
For assistance, call Cypress Support at 1-800-541-4736 and select 8.

For features, system requirements, and installation notes, refer to the Release Notes available at: http://www.cypress.com/go/creator/releasenotes.

## Launch

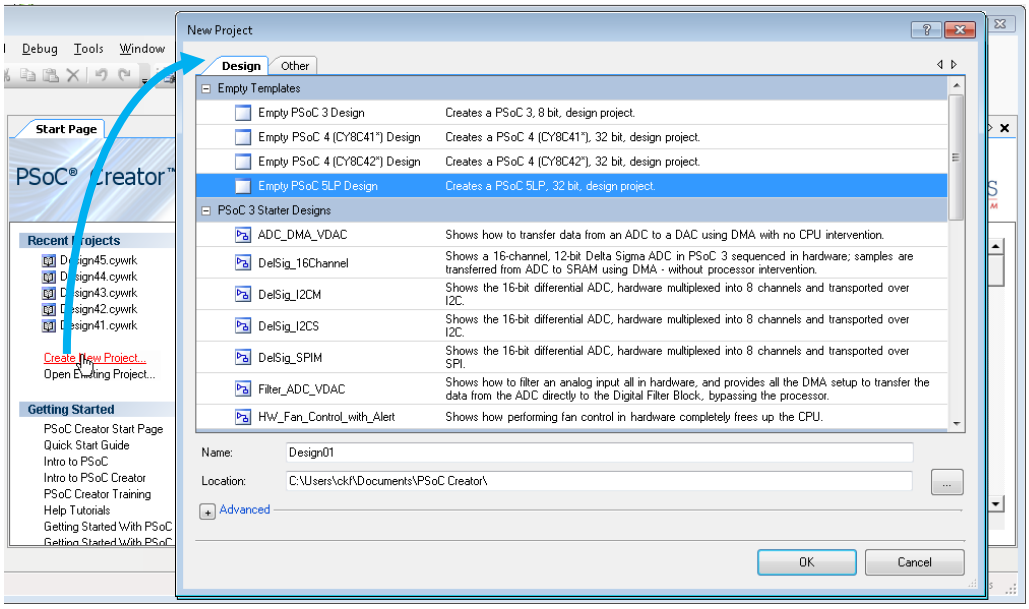
Windows 8


Windows 7 or before




Find the **PSoC Creator 3.0** icon to launch the tool.

## Create/Open Project

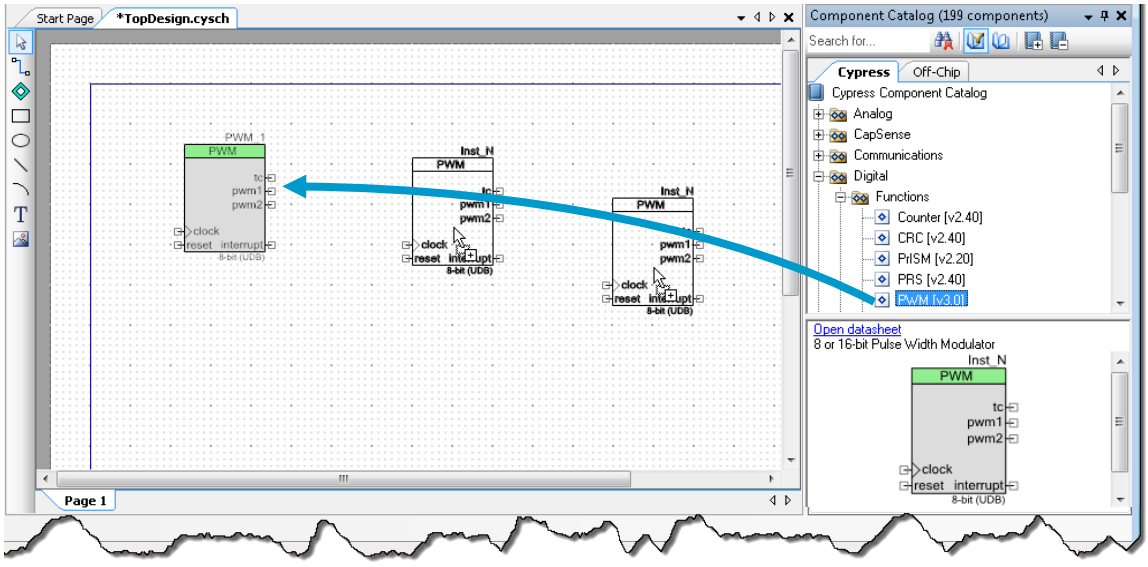



To create a new project, click "Create New Project" on the Start Page. On the New Project dialog, select an empty design and complete the requested project information.

You can select a Starter Design to create a new project with components and code already placed.

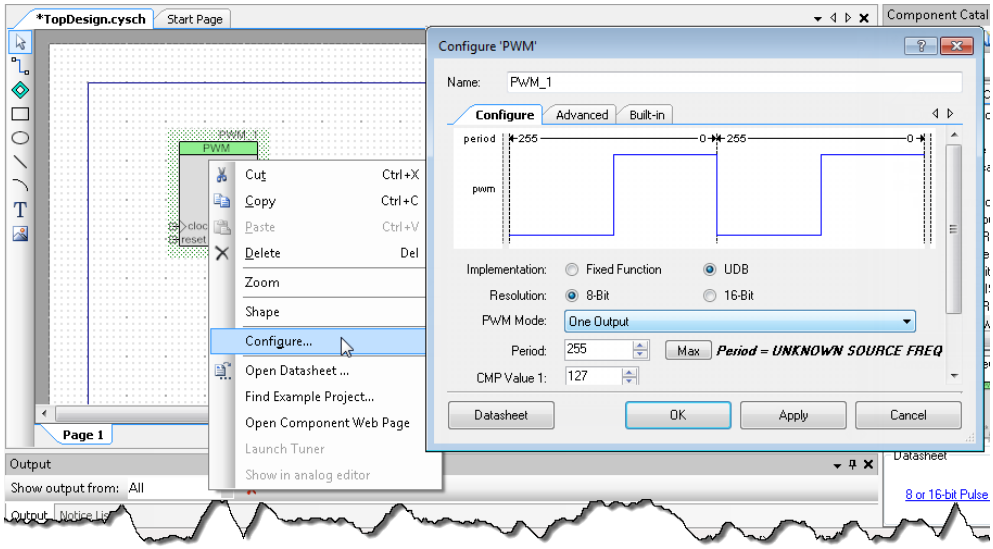
There are also example projects available from the "Find Example Projects" link on the Start Page.

## Add Components




Select and drag components from the Component Catalog onto your schematic design.

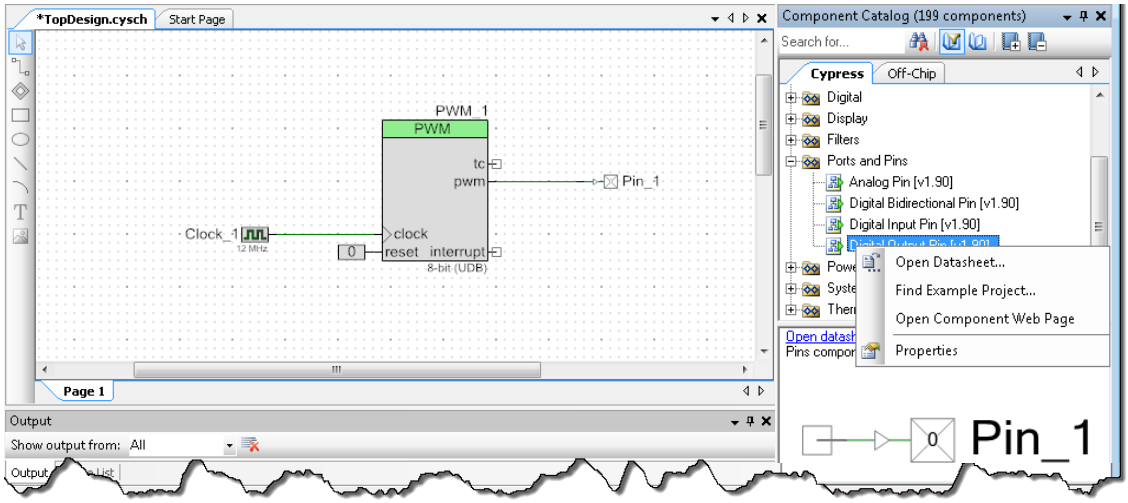
## Configure Components




Configure various component parameters to modify the behavior as needed.

For more information, refer to each component's datasheet, available from the Configure dialog, the Component Catalog, or from the **Datasheets** tab in the Workspace Explorer.

## Complete the Design

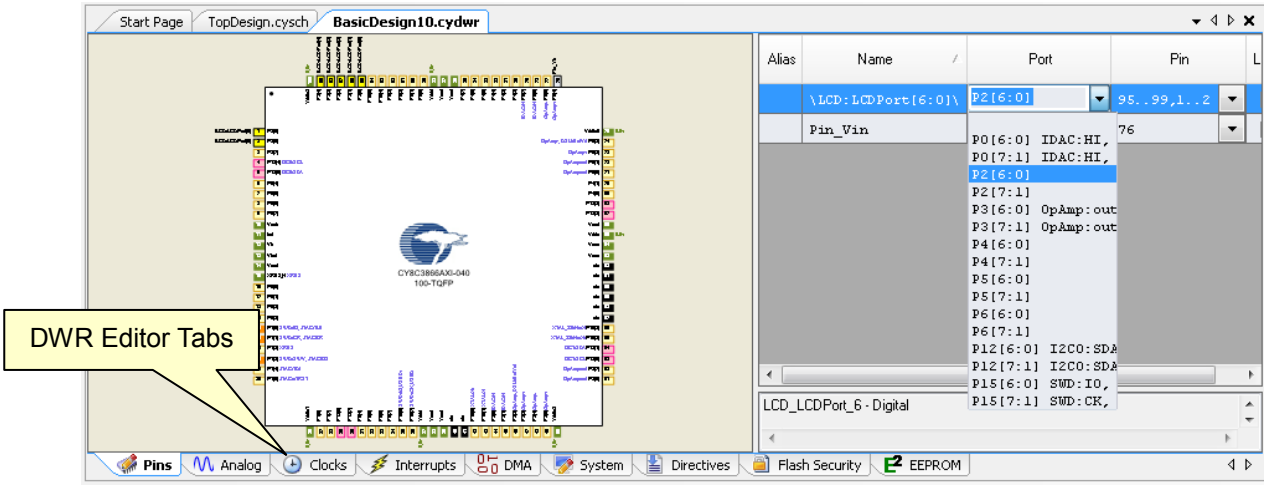



Add a Pins component, Clock component, and other components to complete the design.

Connect various components using the Wire tool. 

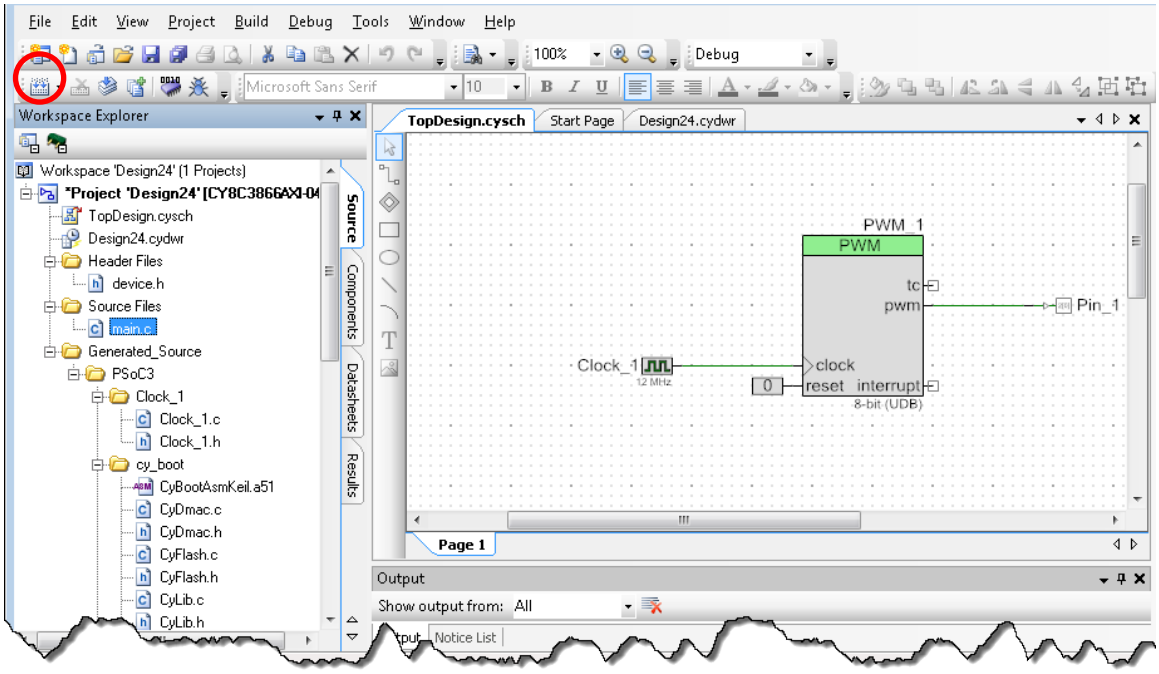
For more information, refer to various example projects, which you can open by right clicking on a component in the Component Catalog.

## Configure Design-Wide Resources




Open the "<*projectname*>.*cydwr*" file to configure Design-Wide Resources (DWR), such as pins, clocks, interrupts, DMA and more.

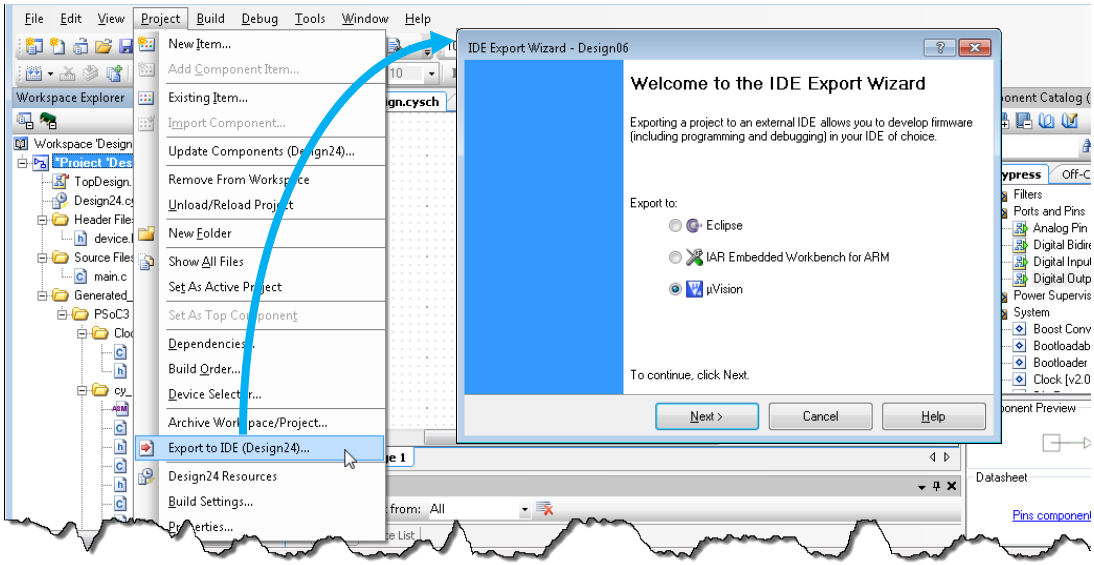
## Generate Code




Once complete, use the **Build** command to generate source code.

For more information about these files, refer to the System Reference Guide, located on the **Help** menu, under **Documentation**.

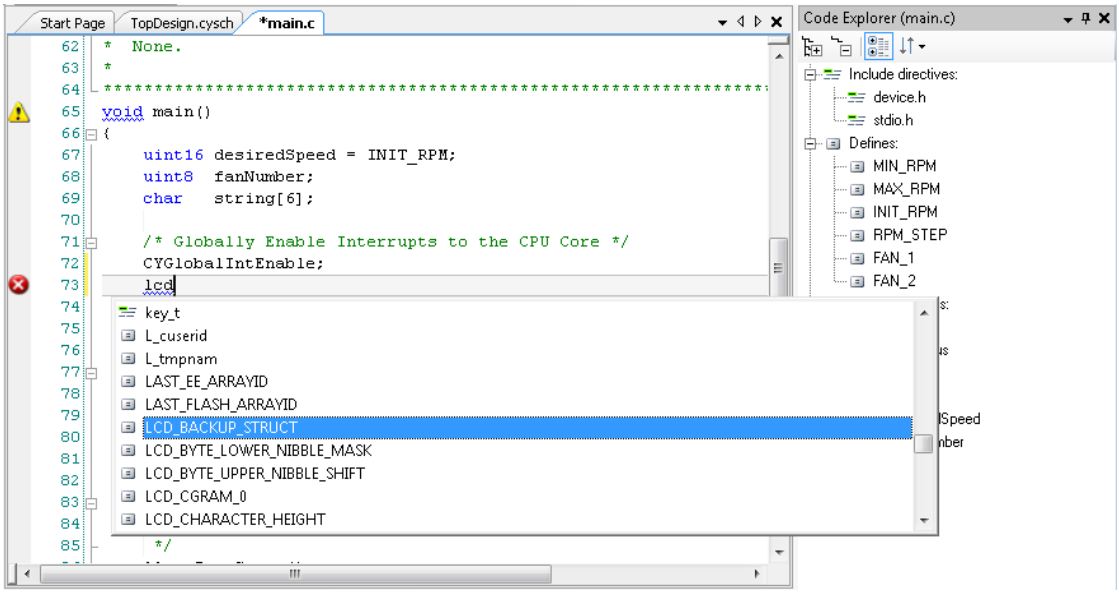
## Optional: Export to External IDE




After a successful build in PSoC Creator, if preferred, you can export the design to an external IDE to code, debug, and test firmware. Select **Export to IDE** from the **Project** menu to open the IDE Export Wizard.

Refer to the Help topic “Exporting a Design to a 3rd Party IDE” for full details.

## Add Code in PSoC Creator



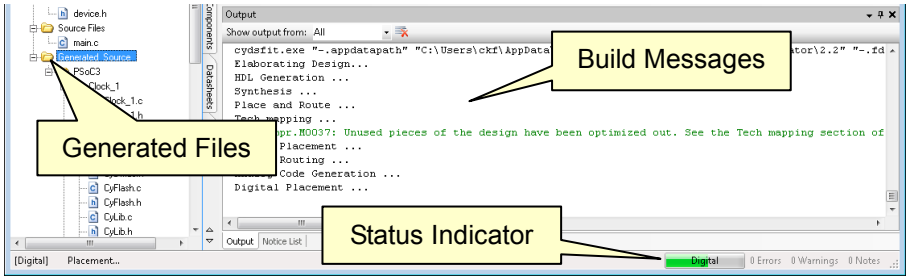

Inside PSoC Creator, open the *main.c* file and insert the necessary code for your application.

You can copy code from various PSoC example projects, as needed.

## Program the Device

Connect your development kit to your computer, and click **Program** 

If needed, PSoC Creator will build the design …




… and program the device.


You can obtain a kit from the Cypress web page at: http://www.cypress.com/go/store.

## Next Steps

Now that you have created a design, open a few example projects and explore different ways to expand it. The PSoC Creator Help is available from the Start Page or by pressing [**F1**]. You can also open numerous documents using the Document Manager located on the **Help** menu or **Start** menu. Refer also to these for more information:

- AN54181: www.cypress.com/go/PSoC3GettingStarted
- AN79953: www.cypress.com/go/PSoC4GettingStarted
- AN77759: www.cypress.com/go/PSoC5GettingStarted
- PSoC Creator Training: www.cypress.com/go/creatorstart/creatortraining