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# Continuity of ordering part numbers

Infineon continues to support existing part numbers. Please continue to use the ordering part numbers listed in the datasheet for ordering.

# PSoC<sup>®</sup> Creator<sup>™</sup> Quick Start Guide



Install						
Download PSoC Creator from www.cypress.com/psoccreator, or install from a kit CD.						
For assistance, go to http://www.cypress.com/go/support						
For features, system requirements, and installation notes, refer to the Release Notes available at: <a href="http://www.cypress.com/products/psoc-creator-integrated-design-environment-ide">http://www.cypress.com/products/psoc-creator-integrated-design-environment-ide</a> .						
Launch						
Find the <b>PSoC Creator</b> icon to launch the tool.						
Windows <sup>®</sup> 8 or above	Windows 7 or before					
	PSoC Creator 4.x					
	🛓 Bootloader Host					
	install Drivers for uVision					
PSoC Creator 4.x	PSoC Creator 4.x					
FSOC Clearon 4.x	PSoC Creator Hel					
You can launch the tool from the Installer application. You can also use the Windows Start key and type "PSoC Creator" to locate it.						
Create New Project						
Click the <b>Create New Project</b> link on the Start Page to open the New Project wizard.						
File Edit View Project Build Debug Tools Window Help						
Start Page Learn Getting Acquainted New in 4.X News and Information						
유명 Getting Acquainted 문제 New in 4.X						
	Percepio Tracealyzer and PSoC 4200M					
Create New Project	[re-printed from totespart.com by Alan Hawse]					
Open Existing Project						
<ul> <li>Example</li> <li>It Kits Ø</li> </ul>	Find Code Example					
Recent	Posted on 07/25/2017					
Workspace32.cywrk Workspace31.cywrk	Read More					
Note There are also code examples available from a link on the Start Page and from the File menu.						



### **Complete New Project Wizard**

Follow the instructions on the New Project wizard to select/complete information needed for your project. This wizard provides several options to create projects from code examples and pre-populated schematics.

Select project type Choose the type of pro Design project:	vject - design, library, or workspace.		8	select a spe	rget kit if it is installed, o ecific Target module or ce. Then click <b>Next &gt;</b> .	r
Target kit:	CY8CKIT-044 (PSoC 4200M)		•			
<ul> <li>Target module:</li> <li>Target gevice:</li> <li>Library project</li> <li>Workspace</li> </ul>	Create Project - CY8CkIT-04 Select project template Choose a schemalic temp	late or start your design with a kit or e	example project.		<ul> <li>Select Code example and click Next &gt;.</li> </ul>	е
	Pre-populated scher Start with typical MC	natic 1J functions (like UART, ADC, etc.).				
	Empty schematic Create a full custom	Create Project - CY8CKIT-044 ( Select a code example	PSoC 4200M)			
elect an example from the list and click <b>Next &gt;</b> .						?
		CE210291_CapSense_P4_C Clock_P4_Example Combined_Port_Interrupt Comparator_PSoC4_Exam	Workspace name: Location:	Create new workspace [clock_P4_Example01] C:\Users\ck\NDocuments\PSoC Creat Clock_P4_Example01	v)	
lick <b>Finish</b> to a	create the proje	ect.	_			
					< <u>Back</u> Einish Canc	cel

generate files. See also <u>Optional: 3rd Party IDE Integration</u> in this document.

For more information, refer to the PSoC Creator Help topic "Creating a New Project." Also, each code example project contains a description document.



### Modify the Design

As needed, you can add components and functionality to modify the design to fit your needs.

For PSoC 4xxx devices, pre-populated schematics contain preconfigured Components to use in your design. Components are divided into separate categories by schematic tabs. There is a "My Design" tab to customize your design. You can disable individual Components or disable complete schematic tabs.











**Note** For many components, you must add at least a start function to enable the component. This start function is usually named [component\_instance\_name]\_Start(). For more information, refer to the applicable Component datasheet API section.

Cypress provides various PSoC Creator code example projects that can help you design faster. Open the Code Example dialog from the **File** menu or Start Page. For more information, refer to the PSoC Creator Help topic "Find Code Example."



Program the Device							
Connect your development kit to your computer, and click <b>Program</b>							
You can obtain a kit from the Cypress web page at: <u>http://www.cypress.com/go/store</u> .							
If your design has no errors, PSoC Creator will build the design …							
Cynamia     Cynamia     Cynamia     Cyn     Concentrated     Cyn     Concentrated     Cyn	lock_P4_Exe t						
Contraction Contra	 483' was successfully programmed at 02/20, : 'PSoC 4200 CY8C4245AX*-483'.						
If there are errors, view the Notice List window and click <b>Go To Error</b> to find and resolve them.							
Workspace - 😵 3 Errors 🔥 0 Warnings 🤃 1 Note: Go to Error View Details							
Description           I sdb.M0025:No input on Instance "Pin_1", terminal "y_0".	File Error Location Project TopDesign.cysch Signal: Net_4, Clock_P4_Exam						
3 sdb.M0050:Terminal "y_0" requires connection when it is visible.     3 prj.M0268:This build expires in 28 days. Please contact Cypress to get the latest release     4 3 before this occurs.	TopDesign.cysch Signal: Net_4, Clock_P4_Exam						
4 fit.M0050:The fitter aborted due to errors, please address all errors and rebuild.	Clock_P4_Exam						
Output Notice List	3 Errors 0 Warnings 1 Notes						
<b>Next Steps</b> Now that you have created a design, open a few examing the provest of the provest o							
Refer also to the <u>PSoC Creator</u> web page for more information, such as design guides, application notes, and training videos.							



#### **Optional: 3rd Party IDE Integration**

If preferred, you can use your PSoC Creator design with a 3<sup>rd</sup> Party IDE to code, debug, and test firmware.

For PSoC 3, PSoC 4, PSoC 5LP, and FM0+ devices, select Export to IDE from the Project menu to open the IDE Export Wizard.





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