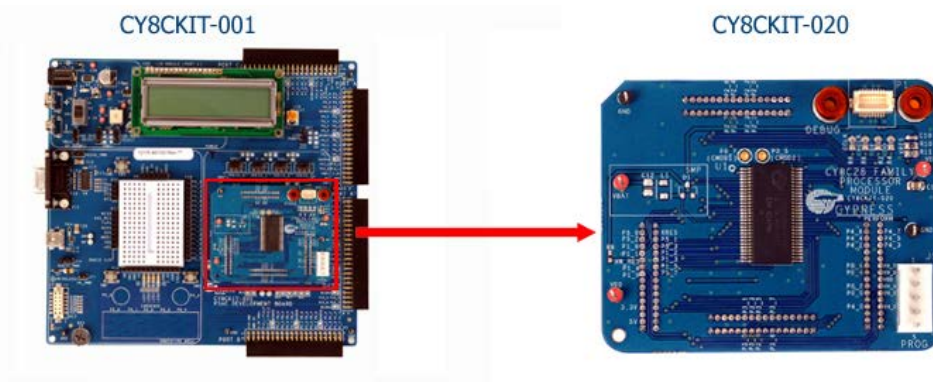


## CY8CKIT-020 PSoC® CY8C28 Family Processor Module Kit

Last Updated: 09/24/2013



[Application Notes \(11\)](#)  
[Technical Reference Manuals \(2\)](#)

[Development Kits/Boards \(9\)](#)

Please visit the [Getting Started with PSoC 1](#) page which will guide you through your first steps. It provides basic information about software, technical documentation, training and support infrastructure.

### Kit Content:

- PSoC CY8C28 Family Processor Module
- Printed Documentation
  - Quick Start
  - Schematic PSoC Development Board Design
- Software CD for PSoC 1, which includes
  - PSoC® Designer™ IDE
  - PSoC® Programmer™ Software
  - CY8C28 Data Sheets
  - Example Project Files, Firmware, and Documentation

[CY8C28xxx](#)  
[PSoC Designer](#)  
[PSoC 1](#)  
[Touch Sensing](#)

### Hardware Description:

The PSoC® CY8C28 Family Processor Module is designed to evaluate and experiment with Cypress's PSoC 1 programmable system-on-chip design methodology and architecture. This processor module can be used in conjunction with the PSoC Development Kit (CY8CKIT-001) to create designs utilizing on-board DVK resources or compatible expansion boards. This kit provides you with an additional processor module to use with different projects.

Please [click here](#) for further information and materials to get you started designing with CY8C28xxx PSoC devices.

Software Title	Description	Link
PSoC Designer	This kit requires PSoC Designer for development	<a href="#">Download</a>
PSoC Programmer	This kit requires PSoC Programmer for programming	<a href="#">Download</a>

### Related Files

File Title	Language	File Size	Last Updated
 <a href="#">CY8CKIT-001 PSoC Development Kit Quick Start Guide.pdf</a>	English	592 KB	12/14/2012
 <a href="#">CY8CKIT-001 Release_Notes.pdf</a>	English	71 KB	12/14/2012
 <a href="#">CY8CKIT-001 PSoC_Development_Kit_Guide.pdf</a>	English	11 MB	12/14/2012
 <a href="#">CY8CKIT-001 PSoC 1 Kit Setup (Kit Design Files, Designer, Programmer, Documentation, Examples) </a>	English	312 MB	12/12/2012
 <a href="#">CY8CKIT-001 PSoC1 Kit only (Kit Design Files, Documentation, Examples) </a>	English	20 MB	12/12/2012
 <a href="#">CY8CKIT-001 PSoC1 ISO (Create CD) </a>	English	839 MB	12/12/2012
 <a href="#">CY8CKIT_020 Board Design Files (Schematic, Layout, Gerber, BOM)</a>	English	985 KB	11/15/2011

Need help? Ask a question and find answers in the [Cypress Developer Community Forums](#).

Low/intermittent bandwidth users tip: Firefox and Chrome browsers will allow downloads to be resumed if your connection is lost during download.

## Related Documentation

Application Notes	Last Updated
<a href="#">AN64475 - PSoC®1 - Optimizing Cascaded Switched Capacitor Filters</a>	11/06/2013
<a href="#">AN78737 - PSoC® 1 - Temperature-Sensing Solution using a TMP05/TMP06 Digital Temperature Sensor</a>	05/19/2014
<a href="#">AN78920 - PSoC® 1 Temperature Measurement Using Diode</a>	06/13/2014
<a href="#">AN2282 - Analog - Resonant Bridge Oscillators for Piezoelectric Buzzers</a>	10/10/2014
<a href="#">AN2163 - Interfacing to 1-Wire/Two-Wire Digital Temperature Sensors using PSoC® 1</a>	03/11/2014
<a href="#">AN2025 - Analog – Sine Wave Generation with PSoC® 1 (Demonstration with CTCSS)</a>	02/12/2014
<a href="#">AN47215 - PSoC® RC Oscillator to Accurately Time Sleep Cycles</a>	08/05/2014
<a href="#">AN2344 - Power Management - Battery Charger with Cell-Balancing and Fuel Gauge Function Support</a>	07/17/2014
<a href="#">AN56384 - PSoC® 1 Segment LCD Direct Drive</a>	10/16/2014
<a href="#">AN78692 - PSoC® 1 - Intelligent Fan Controller</a>	02/12/2014
<a href="#">AN51234 - Getting Started with SPI in PSoC® 1</a>	07/09/2014

Technical Reference Manuals	Last Updated
<a href="#">CY8C28xxx PSoC® Programmable System-on-Chip™ Technical Reference Manual</a>	07/17/2013
<a href="#">PSoC® 1 ISSP Programming Specifications - CY8C21x45, CY8C22x45, CY8C24x94, CY8C28xxx, CY8C29x66, CY8CTST120, CY8CTMA120, CY8CTMG120, CY7C64215</a>	10/10/2014

## Related Resources

Development Kits/Boards	Last Updated
<a href="#">CY8CKIT-001 PSoC® Development Kit</a>	04/07/2014
<a href="#">CY8CKIT-010 PSoC® CY8C58LP Family Processor Module Kit</a>	12/19/2013
<a href="#">CY8CKIT-009 PSoC® CY8C38 Family Processor Module Kit</a>	12/19/2013
<a href="#">CY3280-28xxx Universal CapSense Controller Board</a>	11/12/2013
<a href="#">CY3250-28XXX-POD Replacement In-Circuit Emulation (ICE) Pods (2) for Debugging Non-QFN CY8C28xxx PSoC® Devices</a>	09/24/2013
<a href="#">CY3210 - CY8C28XXX PSoC Evaluation Pod (EvalPod)</a>	09/24/2013
<a href="#">PSoC® 1 Kits</a>	07/18/2013
<a href="#">CY3215A-DK In-Circuit Emulation Lite Development Kit</a>	05/17/2013
<a href="#">CY8CKIT-008 PSoC® CY8C29 Family Processor Module Kit</a>	04/17/2012