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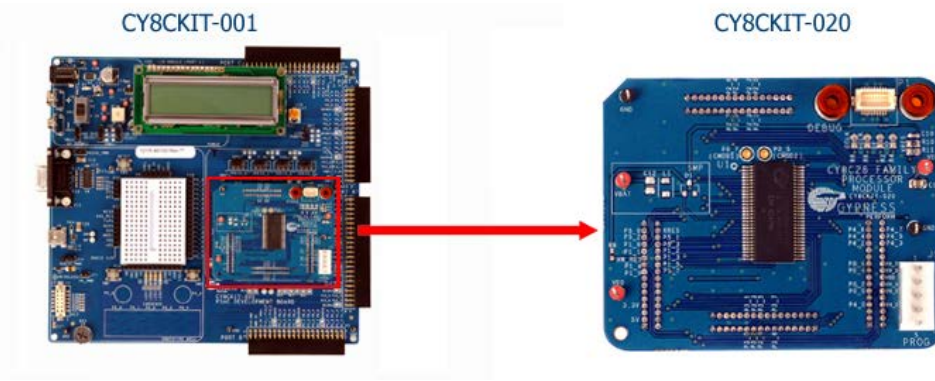
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CY8CKIT-020 PSoC® CY8C28 Family Processor Module Kit

Last Updated: 09/24/2013



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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	Download
PSoC Programmer	This kit requires PSoC Programmer for programming	Download

Related Files

File Title	Language	File Size	Last Updated
 CY8CKIT-001 PSoC Development Kit Quick Start Guide.pdf	English	592 KB	12/14/2012
 CY8CKIT-001 Release_Notes.pdf	English	71 KB	12/14/2012
 CY8CKIT-001 PSoC_Development_Kit_Guide.pdf	English	11 MB	12/14/2012
 CY8CKIT-001 PSoC 1 Kit Setup (Kit Design Files, Designer, Programmer, Documentation, Examples) 	English	312 MB	12/12/2012
 CY8CKIT-001 PSoC1 Kit only (Kit Design Files, Documentation, Examples) 	English	20 MB	12/12/2012
 CY8CKIT-001 PSoC1 ISO (Create CD) 	English	839 MB	12/12/2012
 CY8CKIT_020 Board Design Files (Schematic, Layout, Gerber, BOM)	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
AN64475 - PSoC®1 - Optimizing Cascaded Switched Capacitor Filters	11/06/2013
AN78737 - PSoC® 1 - Temperature-Sensing Solution using a TMP05/TMP06 Digital Temperature Sensor	05/19/2014
AN78920 - PSoC® 1 Temperature Measurement Using Diode	06/13/2014
AN2282 - Analog - Resonant Bridge Oscillators for Piezoelectric Buzzers	10/10/2014
AN2163 - Interfacing to 1-Wire/Two-Wire Digital Temperature Sensors using PSoC® 1	03/11/2014
AN2025 - Analog – Sine Wave Generation with PSoC® 1 (Demonstration with CTCSS)	02/12/2014
AN47215 - PSoC® RC Oscillator to Accurately Time Sleep Cycles	08/05/2014
AN2344 - Power Management - Battery Charger with Cell-Balancing and Fuel Gauge Function Support	07/17/2014
AN56384 - PSoC® 1 Segment LCD Direct Drive	10/16/2014
AN78692 - PSoC® 1 - Intelligent Fan Controller	02/12/2014
AN51234 - Getting Started with SPI in PSoC® 1	07/09/2014

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

Related Resources

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