CY3235 - CapSense Proximity Detection Demonstration

Last Updated: 01/09/2015

This development kit is no longer available. This web page has been left in place for informational purposes only.

We recommend the CY8CKIT-024 as a better alternative for most customers.

CY3235-ProxDet Rev. B Kit Contents:

- Proximity Detection Demo Board w/Antenna
- I2C to USB Debugging/Communication Bridge
- USB A to Mini-B Cable (3 feet)
- Supporting Software CD
- CY3235-ProxDet Quick Start Guide
- One CY8C24894 PSoC device on I2C-USB Bridge
- One CY8C21434 PSoC device on Proximity Detection Demo Board
- One free sample PSoC device (CY8C24894)

Hardware Description

The Proximity Detection Demo Kit allows quick and easy demonstration of a PSoC CapSense-enabled device (CY8C21434) to accurately sense the proximity of a hand or finger along the length of a wire antenna. The kit also includes the I2C-USB Bridge, which allows hardware and software debugging of PSoC applications by seamlessly connecting your PC's USB port to your application's I2C interface.

Prerequisites:

CY3217- MiniProg1 Programmer - The PSoC Programmer (CY3217-MiniProg1) is required to program the PSoC device and is available for purchase separately at http://www.cypress.com/?rID=37459. The MiniProg provides the ability to program any Cypress PSoC device quickly and easily.

Updated projects using the CSD UM is available in the Related Files box below.

Related Resources:

Datasheets: CY8C21x34, CY8C24x94

Software Title	Description	Link
PSoC Designer	This kit requires PSoC Designer for development	Download
PSoC Programmer	This kit requires PSoC Programmer for programming	Download

File Title	Language	File Size	Last Updated
CY3235-ProxDet Kit Setup (Kit Design Files, Designer, Programmer, Documentation, Examples)	English	317 MB	12/14/2011
CY3235-ProxDet Kit Only (Kit Design Files, Documentation, Examples)	English	7 MB	12/14/2011
CY3235-ProxDet ISO (Create CD)	English	703 MB	12/14/2011
CY3235-ProxDet Board Design Files.zip	English	686 KB	11/20/2011
CY3235 - Kit Guide.pdf	English	2 MB	10/20/2011
CY3235 - Quick Start Guide.pdf	English	461 KB	10/20/2011
CY3235 - Release Notes.pdf	English	120 KB	10/20/2011
I2USB_Bridge_ConfigFiles.zip	English	2 KB	10/20/2011
Example_CY3235_CSD_Prox_Detector.zip	English	374 KB	10/18/2011

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.

Development Kits/Boards	Last Updated
CY3270 PSoC FirstTouch Starter Kit	01/09/2015
CY8CKIT-003 PSoC® 3 FirstTouch™ Starter Kit	01/26/2014
CY8CKIT-014 PSoC® 5 FirstTouch™ Starter Kit (OBSOLETE)	06/12/2012

Related Resources

Development Kits/Boards (3)

Related Pages

Automotive
CY8C21x34/B
CY8C24x94
CapSense® Controllers
SmartSense™