

CY3280-BK1 Universal CapSense Controller - Basic Kit 1

Last Updated: Mar 02, 2017



CY3280-BK1 Kit Contents:

- CY3280-20x34 Universal CapSense Controller Board
- CY3280-21x34 Universal CapSense Controller Board
- CY3280-SLM Universal CapSense Linear Slider Module
- CY3280-BBM Universal CapSense Prototyping Module
- CY3240-IB Board
- CY3210 MiniProg1 Programmer
- USB 2.0 Retractable Cable
- PSoC Express Installation CD
- PSoC Designer and PSoC Programmer Installation CD
- CY3280-BK1 Universal CapSense Controller Kit CD
- 1.5 mm and 3 mm Polycarbonate Overlays

Hardware Description

The CY3280-BK1 Universal CapSense Controller Kit is designed for easy prototyping and debug of CapSense designs with pre-defined control circuitry and plug-in hardware. The kit comes with controller boards for the CY8C20x34 and CY8C21x34 PSoC devices as well as a breadboard module and a button(5) / slider module.

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	Size	Last Updated
CY3280-BK1 Universal CapSense® Controller Basic Kit 1 User Guide.pdf	English	9.65 MB	03/02/2017
Download CY3280-BK1 KIT Complete Setup	English	428.64 MB	07/25/2016

PRICE & AVAILABILITY

RELATED RESOURCES

- Application Notes - Obsolete (3)
- Development Kits/Boards (10)
- Code Examples (4)
- Firmware (1)

RELATED PAGES

- CapSense® Controllers
- CY8C20x34
- CY8C21x34/B
- SmartSense™

File Title	Language	Size	Last Updated
 Download CY3280-BK1 KIT Only Setup 	English	19.31 MB	07/25/2016
 Download CY3280-BK1 KIT ISO 	English	1017.94 MB	07/25/2016
 Release Notes.pdf	English	254.84 KB	06/05/2012
 Quick Start guide.pdf	English	1.57 MB	06/05/2012
 CY3280-BK1 Board Design Files.zip	English	3.74 MB	11/22/2011
 CY3280_21x34_SLM.zip	English	498.03 KB	02/28/2011
 CY3280_20x34_SLM.zip	English	1.14 MB	02/28/2011

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 Resources

Application Notes - Obsolete

AN44207 - CapSense Express™ APIs for Register Configuration	02/22/2016
AN44208 - CapSense® Express™ - I2C Communication Timing Analysis	02/22/2016
AN42137 - Capsense™ Express Software Tool	02/22/2016

Development Kits/Boards

CY3280-BK1 Universal CapSense Controller - Basic Kit 1	03/02/2017
CY3280-24x94 Universal CapSense Controller Board	01/09/2015
CY3280-BBM Universal CapSense Prototyping Module Kit	02/09/2012
CY3280-22x45 Universal CapSense Controller Board	09/18/2013
CY3280-CPM1 CapSensePlus Module	02/27/2012
CY3280-BMM Matrix Button Module Kit	04/12/2016
CY3280-BSM Simple Button Module Kit	02/08/2012
CY3280-SLM Linear Slider Module Kit	02/09/2012
CY3280-SRM Radial Slider Module Kit	02/09/2012
CY3280-20x66 Universal CapSense Controller Kit	07/25/2016

Code Examples

CE54362 - CSA with I2CHW Slave on CY8C20x34	05/06/2015
CE63796 - CSD Software Filters with EzI2Cs Slave on CY8C21x34	01/01/2015
CE63795 - CSA Software Filters with EzI2Cs Slave on CY8C20x34	01/01/2015
CapSense® Controller Code Examples	05/31/2017

Firmware

Capacitive Proximity Sensing – KBA92366	05/30/2014
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