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CY8CKIT-044 PSoC® 4 M-Series Pioneer Kit

Last Updated: Aug 13, 2015

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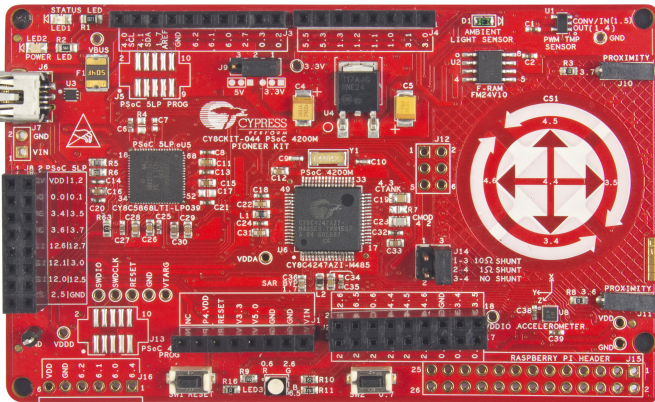
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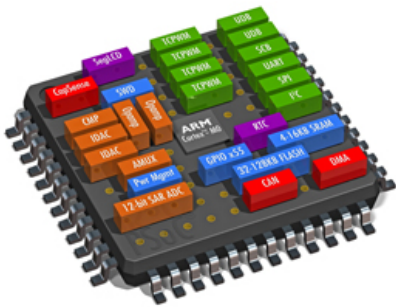Application Notes (7)

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PSoC® 4
PSoC® Creator™

The PSoC® 4 M-Series Pioneer Kit is a low-cost platform enabling design and debug of PSoC 4 M-Series
devices.

Includes a free one-month license of Micrium's µC/Probe Professional Edition
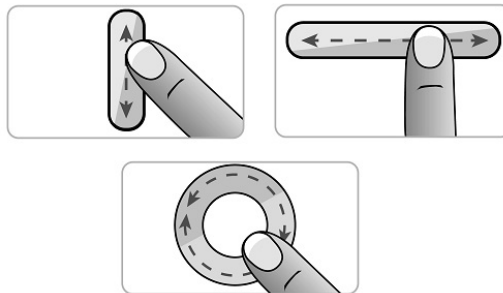

Featuring PSoC 4 M-Series:

The PSoC 4 M-Series Pioneer Kit features the new
PSoC 4200M device - an ARM® Cortex®-M0 CPU with
128KB Flash, 55 GPIOs and new peripherals including
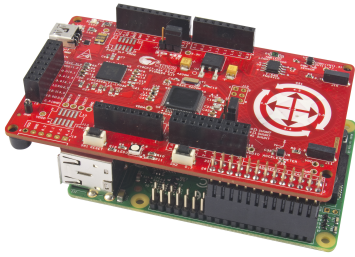RTC, CAN and a DMA controller.

Industry's Best CapSense® :

The kit features an innovative **CapSense
Gesture Pad** designed to support swipe
and circular gestures. The kit also includes
two **CapSense Proximity** headers.

Flexible Prototyping:

The kit features a set of on-board sensors, including an **Ambient Light Sensor**, a **3-Axis Accelerometer** and a **Temperature Sensor**. The kit also has an on-board **RGB LED**, a user-button and a **1-Mbit Cypress F-RAM** device.

Additionally, the kit has headers compatible with **Raspberry Pi, Arduino Uno and Digilent Pmod** hobbyist ecosystems enabling you to use a variety of 3rd party modules.

Kit Contents:

- PSoC 4 M-Series Pioneer board
- USB Standard-A to Mini-B cable
- Four jumper wires (4 inches each)
- Two proximity sensor wires (5 inches each)
- Micrium's μC/Probe license card
- Quick Start Guide

Software Title	Description	Link
PSoC® Creator™	PSoC Creator is an Integrated Design Environment (IDE) which allows concurrent hardware and application firmware design of PSoC 3, PSoC 4 and PSoC 5LP systems.	Learn More
PSoC Programmer	PSoC Programmer is a flexible, integrated programming application for programming PSoC devices.	Learn More
Micrium μC/Probe	μC/Probe graphically visualizes the internal registers and memory locations of the target device.	Learn More

Related Files

File Title	Language	Size	Last Updated
🔒📄 CY8CKIT-044 Kit Setup (Kit Design Files, PSoC Creator, PSoC Programmer, Documentation, Examples) ⬇	English	27.65 MB	07/14/2015
🔒📄 CY8CKIT-044 DVD ISO (PSoC Creator) ⬇	English	1.15 GB	07/14/2015
🔒📄 CY8CKIT-044 Kit Setup (Kit Design Files, PSoC Creator, PSoC Programmer, Documentation, Examples) ⬇	English	580.95 MB	07/14/2015
📄 CY8CKIT-044 PSoC 4 M-Series Pioneer Kit Guide	English	7.11 MB	04/17/2015
📄 KitProg User Guide	English	3.66 MB	04/17/2015
📄 CY8CKIT-044 PSoC 4 M-Series Pioneer Kit Quick Start Guide	English	5.85 MB	04/17/2015
📄 CY8CKIT-044 PSoC 4 M-Series Release Notes	English	145.3 KB	04/17/2015

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Related Resources

Development Kits/Boards

CY8CKIT-024 CapSense Proximity Shield	06/19/2015
CY8CKIT-042-BLE Bluetooth® Low Energy (BLE) Pioneer Kit	07/24/2015
CY8CKIT-044 PSoC® 4 M-Series Pioneer Kit	08/13/2015
CY8CKIT-002 PSoC® MiniProg3 Program and Debug Kit	08/10/2015
CY8CKIT-042 PSoC® 4 Pioneer Kit	06/19/2015
PSoC® 4 Development Kits	04/28/2014
CY8CKIT-038 PSoC® 4200 Family Processor Module Kit	12/19/2013
CY8CKIT-019 PSoC Shield Adapter Kit	02/17/2014
PSoC 4 CY8CKIT-049 4xxx Prototyping Kits	08/11/2015
PSoC® 4100 Protoyping Kit (CY8CKIT-049-41xx)	03/20/2014
CY8CKIT-040 PSoC 4000 Pioneer Development Kit	06/24/2015

Application Notes

AN81623 - PSoC® 3, PSoC 4, and PSoC 5LP Digital Design Best Practices	08/03/2015
AN82250 - PSoC® 3, PSoC 4, and PSoC 5LP – Implementing Programmable Logic Designs with Verilog	08/03/2015
AN82156 - PSoC® 3, PSoC 4, and PSoC 5LP – Designing PSoC Creator™ Components with UDB Datapaths	08/03/2015
AN79953 - Getting Started with PSoC® 4	08/03/2015
AN86233 - PSoC® 4 Low-Power Modes and Power Reduction Techniques	08/03/2015
AN84858 - PSoC® 4 Programming Using an External Microcontroller (HSSP)	08/10/2015
AN88619 - PSoC® 4 Hardware Design Considerations	08/03/2015

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