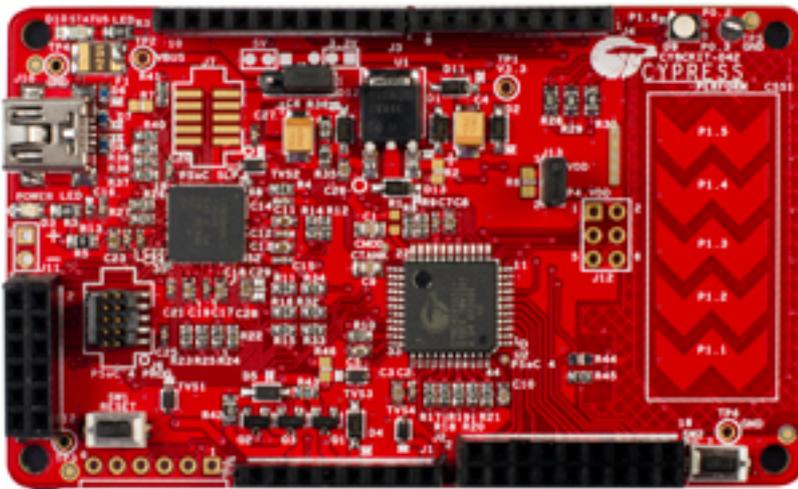


Development kit includes connectors for Arduino-compatible shields and Digilent PMOD daughter cards



[Premier Farnell](#) [1] and Cypress Semiconductor announced today that customers can now pre-order the new [PSoC 4 Pioneer Development Kit](#) [2] from element14. The powerful new kit costs only \$25, and lets designers discover the capabilities of the new PSoC 4 programmable system-on-chip architecture, which combines Cypress's best-in-class PSoC analog and digital fabric with ARM's power-efficient Cortex-M0 core.

The PSoC 4 Pioneer Kit is highly expandable. It includes connectors for Arduino-compatible shields and Digilent PMOD daughter cards, enabling customers to pick from a variety of third-party expansion boards. In addition, an onboard PSoC 5LP device serves as the programmer and debugger, eliminating the need for external programmers.

Premier Farnell offers design engineers a space to share project concepts with 160,000 members in its award-winning online community element14, the first of its kind. Additionally the industry's most comprehensive online knowledge tool for electronic design the Knode on element14 is a first stop for any engineer undertaking a design project with a new development kit.

The new PSoC 4 device class will challenge proprietary 8-bit and 16-bit microcontrollers (MCUs), along with other 32-bit devices. Cypress's platform solution PSoC 4, PSoC Creator and PSoC Components simplifies and accelerates the

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design process, reduces bills of material, and provides extraordinary system value. A single PSoC device can integrate as many as 100 peripheral functions, and “future-proofs” designs, enabling designers to transform resources on-the-fly.

The PSoC 4 architecture offers best-in-class power leakage of 150 nA while retaining SRAM memory, programmable logic, and the ability to wake up from an interrupt. In addition to capacitive sensing, PSoC 4 targets field-oriented control (FOC) motor control, temperature sensing, security access, portable medical, and many other applications.

Free online training is available at www.cypress.com/psoctraining [3].

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<http://www.ecnmag.com/product-releases/2013/04/development-kit-includes-connectors-arduino-compatible-shields-and-diligent-pmod-daughter-cards>

Links:

[1] <http://www.premierfarnell.com/>

[2] <http://www.element14.com/PSoC4?CMP=PRR-GLO-13-0011>

[3] <http://www.cypress.com/psoctraining>