



***PSoC® FirstTouch
Starter Kit***

**Integration
Flexibility
Real Mixed-Signal Programmability**



PERFORM

Product Overview – FirstTouch Kit

- Built-in Applications
 - Sensing - touch, temperature, ambient light, proximity
 - Control – color LEDs, PC screen, alarm
- Hardware
 - USB thumb drive form factor
 - Multi-function expansion board detaches for insertion into target systems
- PSoC Express software
 - Easy visual embedded design
 - No Assembly or C coding
- \$29.95 resale



PSoC FirstTouch Starter Kit



Single Platform – Multiple Applications Out of the Box:

- 1) **CapSense Touch Sensing:** Based on finger position on slider, LED color changes
Applications: White Goods, Handsets, Consumer Electronics, Computers
- 2) **Temperature Sensing:** Based on Temperature changes, LED color changes, Buzzer sounds.
Applications: Fan Control, Alarm Systems
- 3) **Ambient Light Sensing:** Based on Light intensity, the LED brightness changes
Applications: Intelligent Light sensing, such as PC monitors & Mobile phones where screen brightness change
- 4) **CapSense Proximity Sensing:** Based on the hand proximity, LED color changes
Applications: White Goods, Handsets, Consumer Electronics, Computers



The Value of PSoC Mixed-Signal Arrays

Unmatched Integration

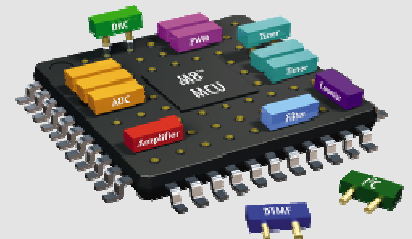
PSoC is a complete system-level solution with digital and analog peripherals, an 8-bit microcontroller, and embedded Flash memory

Ultimate Flexibility

The easy to use PSoC Express Visual Embedded System Design Tool enables designers to easily make revisions to make ever-changing system requirements – up to the last-minute.

Real-Mixed Signal Programmability

PSoC offers a complete set of analog and digital peripherals (amplifiers, ADCs, DACs, filters, comparators, timers, counters, PWMs, SPI, UART, etc.) that can be configured to design specifications.



PSoC FirstTouch Starter Kit Packaging

The Power of PSoC® Mixed-Signal Arrays

Unmatched Integration
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Ultimate Flexibility
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PSoC® FirstTouch™ Starter Kit CT3270

www.cypress.com/FirstTouch

PSoC® FIRST TOUCH™
THE ULTIMATE STARTER KIT
Featuring PSoC Express™

180 mm

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CAPACITIVE TOUCH SENSING **TEMPERATURE SENSING** **LIGHT SENSING** **CAPACITIVE PROXIMITY SENSING**

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5.6 oz – 159g

24 mm

146 mm