



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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A large, circular, blue-tinted image of a microchip die, showing a grid of circuitry, is positioned on the right side of the slide. It is partially cut off by the edge of the frame.

# ***PSoC® FirstTouch Starter Kit***

**Integration  
Flexibility  
Real Mixed-Signal Programmability**



PERFORM

# Product Overview – FirstTouch Kit

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- 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

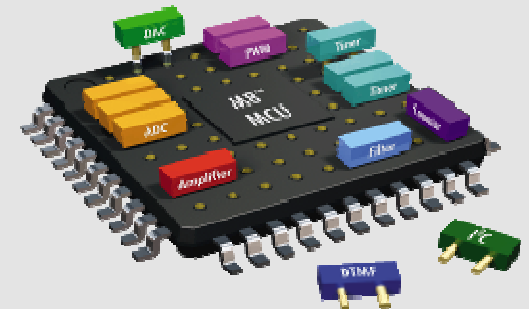
PSoC is a complete system-level solution with digital and analog peripherals, an 8-bit microcontroller, and embedded Flash memory

## 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<sup>®</sup> Mixed-Signal Arrays**

**Unmatched Integration**  
PSoC<sup>®</sup> 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<sup>™</sup> visual embedded system design tool enables designers to easily make revisions to meet ever-changing system requirements — up to the last minute.

**Real Mixed-Signal Programmability**  
PSoC<sup>®</sup> 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<sup>®</sup> FirstTouch<sup>™</sup> Starter Kit CY3270**

**PSoC<sup>®</sup> FIRST TOUCH<sup>™</sup>**  
**THE ULTIMATE STARTER KIT**  
Featuring PSoC Express<sup>™</sup>

**CYPRESS PERFORM**  
www.cypress.com/FirstTouch

**CYPRESS PERFORM**  
www.cypress.com/FirstTouch

CAPACITIVE TOUCH SENSING  
 TEMPERATURE SENSING  
 LIGHT SENSING  
 CAPACITIVE PROXIMITY SENSING

180 mm

5.6 oz – 159g

24 mm

146 mm

