



**THE DATASHEET OF  
CY3270**



# **PSoC® FirstTouch Starter Kit**

**Integration  
Flexibility  
Real Mixed-Signal Programmability**



# Product Overview – FirstTouch

- 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 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
- 4) **CapSense Proximity Sensing:** Based on the hand proximity, LED color changes  
Applications: White Goods, Handsets, Consumer Electronics, Computers



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# The Value of PSoC Mixed-Signal An

## 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.



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# PSoC FirstTouch Starter Kit Packa



The advertisement features a central image of the PSoC FirstTouch Starter Kit (CY3270) with various colored components. The background is dark blue with a grid pattern. The top section has a dark blue background with a blurred image of hands holding smartphones, with the text 'PSOC FIRST TOUCH THE ULTIMATE STARTER KIT' and 'Featuring PSoC Express'. The bottom section has a dark blue background with the Cypress logo and 'PERFORM' text. The overall design is clean and professional, highlighting the product's features and branding.

**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** [www.cypress.com/FirstTouch](http://www.cypress.com/FirstTouch)

**PSOC FIRST TOUCH THE ULTIMATE STARTER KIT**  
Featuring PSoC Express

**CYPRESS PERFORM**

**CYPRESS PERFORM**  
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5.6 oz – 159g



CYPRESS

24 mm

146 mm

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