

PSoC[®] Architecture



PSoC[®] is a true programmable embedded System on Chip integrating configurable analog and digital peripherals functions, memory and a microcontroller on a single chip.

Capacitive Sensing with PSoC[®]

PSoC[®] CapSense configurable architecture allows the implementation of simple and complex touch interfaces simultaneously in the same device:



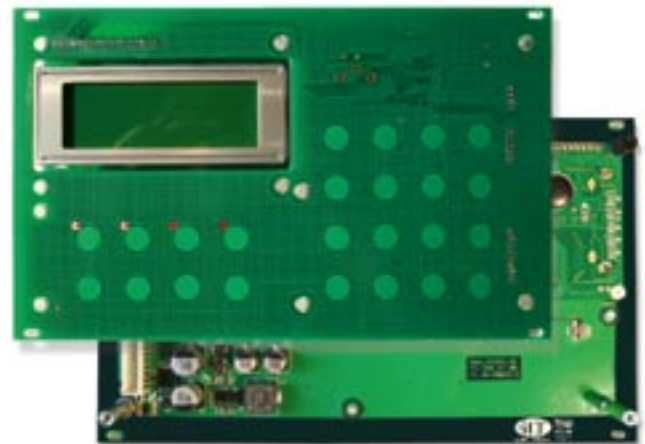
- Replace Mechanical Switches and Controls with Touch-Sensitive, On-Screen Controls
- Simpler, Cheaper and More Reliable than Mechanical Counterparts
- Multiple Combinations of
 - Touch Screens
 - Touch Pads
 - Buttons
 - Sliders
 - Proximity Sensors
- Eliminates External Components and Manual Calibration
- Sense Through up to 3mm of Material, solution for integrating 1 to 48 buttons
- CapSense implements in applications requiring precise multi-level sensing
- Calibrate buttons individually with firmware parameters
- Flexible technology enables sensing through a wide range of protective overlay materials
- Wake your system before the user's hand reaches the touch surface



® PSoC is a registered trademark of Cypress Semiconductor Corporation

GESAS CapSense-Terminal

- ANSI-Terminal for Industrial Applications
- 4x20 Character LC-Display with Backlight
- 24 Multi-Touchable CapSense Buttons
- Integrated Status-LEDs
- Buzzer for Acoustic Feedback
- Multiple Interfaces: RS232/422, USB, I2C
- Reliable Function in Wet Environment
- Wide Power Supply Range: 5V, 9V...32V
- High Protection Grade with Polyester Foil
- In System Programmable



Development and production of customized operator interfaces and control systems for industrial applications.

For more details visit www.gesas.de.

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