IntuiTek™

100 series

Modular Interface Components

Software-Free Touch Control for Your Brand

- **Software-free design** reduces product development costs
- Solid-state electronic design with **unmatched switch reliability**
- Integrated touch input interfaces with **no component tooling investment**
- **Customizable user feedback** differentiates your product
- **Flexibility and scalability** accelerates development cycles

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IntuiTek™ Modular Interface Components from TouchSensor™ Technologies introduce solid-state Field-Effect sensing technology in a family of electronic switch products that offer manufacturing professionals a choice of touch input arrays for placement behind plastic or glass substrates. Touch input has been rapidly adopted by consumers as a natural user interface where point and swipe gestures are used to interface with premium products. IntuiTek Modular Interface Components offer manufacturers the ability to quickly and efficiently provide their customers products with the touch interfaces that they prefer.

Modular Interface Components are the world's first software-free touch input devices. Software and tooling costs are eliminated for manufacturers who need to reduce development costs and to accelerate development cycles for products featuring finger touch and finger swipe switch controls. The IntuiTek Modular Interface Components used by automotive and high-end white goods manufacturers are available to everyone involved in the design and fabrication process – including start-ups and entrepreneurs.

Each low-voltage solid-state array incorporates TouchSensor's patented Field-Effect sensing technology that offers unmatched reliability. The peel and stick modular arrays are UL Recognized Components and are available in a single-button configuration that is calibrated for either 2 mm plastic or 4 mm glass applications. LED lighting options include an amber single-point indicator light for user feedback. All input arrays include solder pad systems for design and manufacturing flexibility.

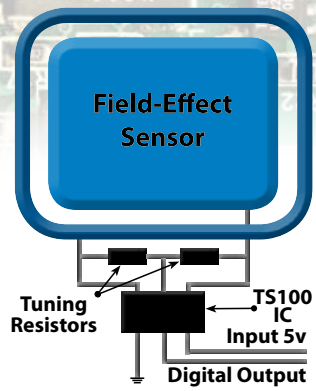
Field-Effect technology creates a low-power electric field that has the unique ability to sense human touch through non-conductive barrier materials such as plastic or glass. When the sensor detects a finger on the other side of the barrier substrate, it outputs a signal corresponding to the location that has been touched or locations that have been swiped. Please visit www.IntuiTekProducts.com to learn more and buy online.

The MSRP of IntuiTek 100 Series Modular Interface Components begins at $9.86 for single unit purchases.

Please visit us at
www.IntuiTekProducts.com
to learn more and buy online.

Solid-State Touch Interface Components for Trouble-Free Integration

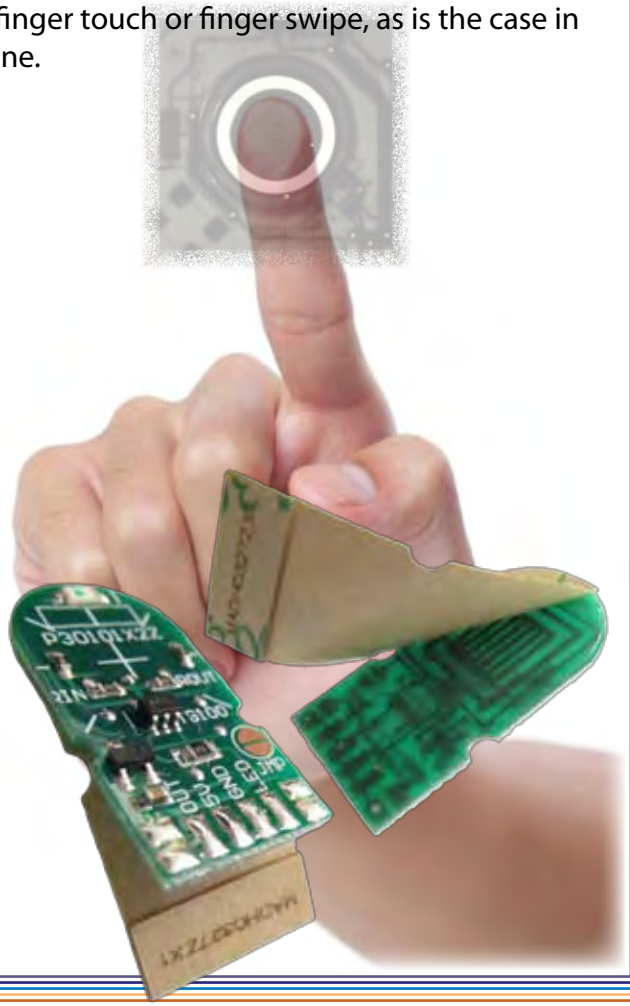
IntuiTek™
Modular Interface Components



Field-Effect sensors are digital, solid-state electronic devices that can detect conductive materials such as the human touch. The sensor's patented cell design uses an integrated circuit (IC) that switches its output state when the conductive target is sensed. A TouchSensor™ Field-Effect cell is comprised of three main elements, the TS100 IC, a unique sensing electrode geometry, and two resistors. Moreover, Field-Effect requires no moving parts, floats, software, or any other mechanism to make its sensing decision.

When 5 VDC is supplied to the sensor, a low power electric field is created. The field emanates directly through any protective dielectric barrier such as decorative plastic or glass that may surround or cover the sensor. When a conductive object or material enters the field, the sensor detects the change and indicates an event has occurred with a corresponding output signal. The input stimulus to the field is the finger touch or finger swipe, as is the case in TouchSensor's™ IntuiTek Modular Interface Components product line.

General specifications: 100 Series	
Clearances Required	10 mm 'clear zone' behind sensor
Array Dimensions	28 mm x 15 mm x 2 mm
Switch Technology	Field-Effect solid-state electronic technology
Switch Function	Momentary (as long as finger is present)
Electrical Interface	Standard logic active high
FCC Rating	Class B device
Lighting options	Amber LED indicator light
Mounting	Self-adhesive with liner
Wiring Options	Hand soldered to solder pads
Designations	2 mm thick plastic panels
	4 mm thick glass panels
Electrical specs	3 to 5 VDC (Input)
	100 mA, 3 to 5 VDC (Output)
UL Recognition	File E187820



Switch the Spec to IntuiTek!

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touchsensor™ technologies, llc is a wholly-owned subsidiary of Methode Electronics: Since its introduction in 1997, Field-Effect sensing technology has been successfully used in a wide variety of consumer applications with over 15 million units sold. Field-Effect sensors are UL Approved and have been tested to over 160 million cycles in user interface applications before ending test. Field-Effect has earned the recognition as a proven and reliable solid-state switching technology.

TouchSensor™ Technologies is the market leader in solid-state sensing technology and User Interface Products. Field-Effect technology is used in appliance, fitness, automotive, vending and other industry applications. Please visit www.touchsensor.com to learn more.

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