



BIOMETRIC SMARTPHONE & TABLETS SOLUTIONS

# BILLIONS OF TOUCHES



FINGERPRINTS

Fingerprints is a world leading biometric technology company and we believe in a secure and seamless universe, where you are the key to everything. Our solutions are found in millions of devices and used billions of times, every day, providing safe and convenient identification and authentication with a human touch.

#### WHY BIOMETRICS

## BIOMETRIC TECHNOLOGY ADDS A HUMAN TOUCH TO ANY SMART DEVICE

Our biometric technology provides a safe, convenient and permanent security solution. The seamless identification and interaction are constantly finding new and smart ways for the end user. And the acceptance of the technology is rapidly growing, which is opening up for endless opportunities and applications.

#### THE HARDWARE

## MEET THE WORLD'S NO 1 3D CAPACITIVE SENSOR

We have taken huge steps in improving the design, size and material of the sensors, which gives a whole new way of placing it. Power consumption in our solutions is down to almost nothing and with our FPC OneTouch® technology the sensor is always ready for human interaction.

#### THE SOFTWARE

## SECURITY AND SPEED IN OUR STATE-OF-THE-ART ALGORITHMS

We have been leading the development of biometric algorithms, ever since we started. This means that we now can present the industry's fastest response time, from touch to identification and authentication. To us at Fingerprints, security is a really important area, and we are leading development and standardization in this space.

### BRANDED FEATURES



#### ENROLL YOURSELF BY A QUICK TOUCH

With only a few and quick touches you are enrolled and can start using the fingerprint sensor to unlock and verify yourself on your device.



#### ONE TOUCH AND YOU'RE ON

With virtually no power consumption this feature can be at your service all the time letting you unlock your phone with a simple touch.



#### THE FASTEST UNLOCK YOU EVER MADE

It takes less than 0.1 seconds to verify your fingerprint and trigger activities like unlock a device, open applications or confirm payments.



#### EVOLVING ALONG WITH YOU

With every touch, our self-learning algorithm keeps learning more about you. Adapting to your changing finger conditions, e.g. cuts and seasonal changes.



#### SAFE TO SAY IT'S STATE OF THE ART

Anti-spoofing has never been better and this solution adds an extra level of security to your device and applications.



#### MOVING UP A NOTCH

Your biometric sensor is not just for identification. This feature lets you intuitively navigate, scroll, swipe and set up smart short-cuts with your fingertips.



#### YOUR TOUCH FROM ANY ANGLE

Allows the sensor to read and match your fingerprint from any angle with outstanding accuracy, precision and performance.

# TOUCH SENSORS

Broad range of shapes and sizes for different placements. Various coating materials and customizable colors for different designs.



## FRONT MOUNTED SENSORS

Ideal for one handed operations and navigation in smaller screen smartphones. Can be used as home button, with or without dome switch. It can be completely hidden under glass, with soft key integration possibilities that will light up the sensor.

### FRONT

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SPRAY COATING	FPC1028	FPC1035	FPC1145	FPC1155
CERAMICS	FPC1245	FPC1235		
GLASS	FPC1268			

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## REAR MOUNTED SENSORS

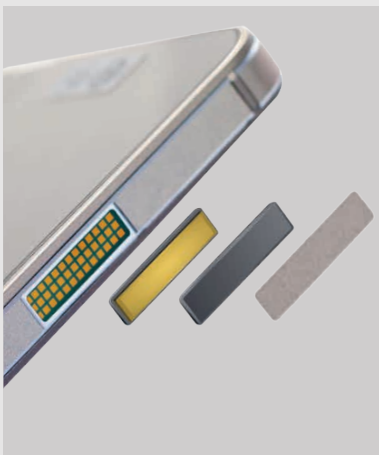
Perfect for one handed operations of large screen devices, tactile feedback rather than button. Optimal for full navigation, selfies and for browsing web and apps.

### REAR

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SPRAY COATING	FPC1028	FPC1035	FPC1025
CERAMICS	FPC1235		
GLASS	FPC1268		

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## SIDE MOUNTED SENSORS

Integrated and combined use as power button, volume control or setting the camera shutter. This eliminates the need, and cost, of an additional component. Excellent placement for scrolling messages and web pages.

### SIDE

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SPRAY COATING	FPC1145
CERAMICS	FPC1245
GLASS	FPC1268

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# FRONT & REAR MOUNTED SWIPE SENSOR



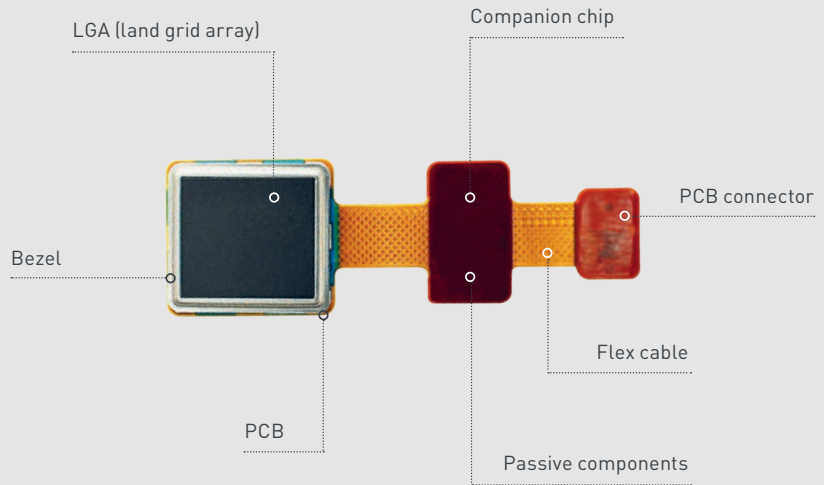
This is a slim, solid and truly low cost solution. You get excellent image quality in a robust and compact package. Ideal for all sorts of portable devices.

## FRONT & REAR

FPC1080

## REFERENCE MODULE

Showing the design principles and the various parts typically needed for integrating a Fingerprints touch sensor into a mobile device.



## DEMONSTRATION KITS

Fingerprints offers a range of demonstration kits for demo and evaluation, integration and production, which can minimize your time-to-market. The demonstration kits include the hardware and software needed to get started with evaluation of fingerprint solutions using Fingerprints touch sensors. We have one kit for touch (FPC-TSD) and one for swipe (FPC-SSD).

- > Fingerprint sensor
- > Ergonomic housing for sensor
- > USB connector
- > USB with documentation
- > Windows demonstration software
- > Supports Windows 7 and above

## QUICK DATA



INTERFACE	4 pin high-speed SPI	
SUPPLY VOLTAGE (VDD)	1,8V	
ESD PROTECTION	± 30kV	± 15KV
OPERATING TEMPERATURE	- 40°C to + 85°C	
WEAR-AND-TEAR	> 10 million cycles	
PIXEL RESOLUTION	508 dpi	