Features

- Line/swipe sensor
- Internal A/D
- LVDS interface
- 3.3 and 2.5 volt operation
- Improved image quality
- Robust surface coating
- > 15kV ESD protection
- > 1 million wear cycles
- Supports the extraction-on-fly algorithm

Application examples

- Mobile phones
- PDAs & Portable computers
- Security applications
- Biometrics

General description

The FPC1031 is a leading edge fingerprint sensor, based on the new Certus Sensor Platform. The reflective capacitive measurement principle enables the use of a very robust surface coating.

The new compact FPC1031B sensor package is extremly tolerant to environmental stress. A well-defined mechanical outline and a standard FC connector makes it easy to integrate. No auxilerary components are required.

Quick reference data

SYMBOL	PARAMETER	CONDITIONS	MIN.	TYP.	MAX.	UNIT
VDD	Digital supply voltage		2.35	2.5 or 3.3	3.45	V
VADD	Analog supply voltage		2.35	2.5 or 3.3	3.45	V
IDD	Supply current, total (@8 MHz)	VDD = 2.5V		13	21	mA
		VDD = 3.3V		16	24	mA
	Active sensing area			10.64 x 2.24		mm
	Spatial resolution			363		dpi
	Pixel resolution			8		bit
	Package dimensions (LxWxH)			12.0x24.4x3.8		mm

This specification is subject to change without prior notice