

Features

- Area/Flatbed sensor
- Internal A/D
- SPI interface with transfer speed up to 32MHz
- 0.35µm triple metal CMOS process
- 3.3 and 2.5 volt operation
- Reduced readout time
- 3.3 and 2.5 volt operation
- Improved image quality
- Robust surface coating
- >15kV ESD protection
- >1 million wear cycles

Application examples

- Physical access control
- Time and attendance
- Security applications

General description

FPC1011 is a leading-edge capacitive fingerprint sensor, based on the new Certus Sensor Platform. The reflective capacitive measurement principle enables the use of a very robust surface coating.

The packaged sensor, FPC1011C, includes micro-ergonomic guidance, which helps the user to correctly position her/his finger on the sensor. Because of the standard, 8-pin flex, the FPC1011C is easy to integrate into a system.



Quick reference data

SYMBOL	PARAMETER	CONDITIONS	MIN.	TYP.	MAX.	UNIT
V _{DD}	Digital supply voltage		2.35	2.5 or 3.3	3.45	V
V _{ADD}	Analog supply voltage		2.35	2.5 or 3.3	3.45	V
I _{DD}	Supply current, total (@4 MHz)	VDD = 2.5V		11	16	mA
		VDD = 3.3V		13	18	mA
	Active sensing area			10.64 x 14.00		mm
	Spatial resolution			363		dpi
	Pixel resolution			8		bit
	Package dimensions (LxWxH)			30x18x2		mm
	Flex connector (LxWxH)			60x9x0.15		mm

This specification is subject to change without prior notice