



FINGERPRINTS

FPC2534AP

Product sheet

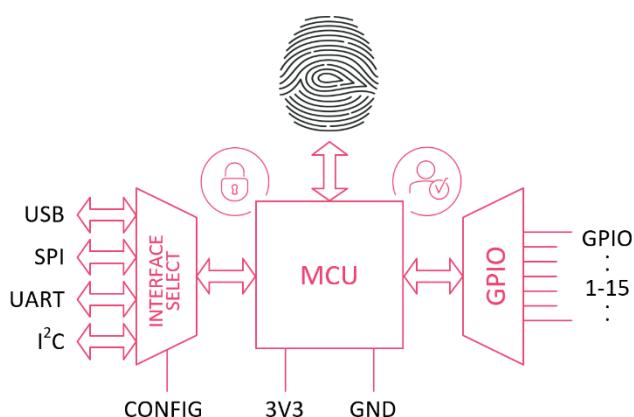
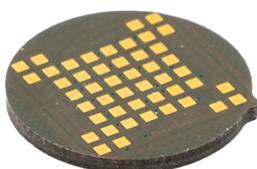
Feb 2025

FPC AllKey Pro - High Security Biometric System Package



Ø 11 mm

LGA 47

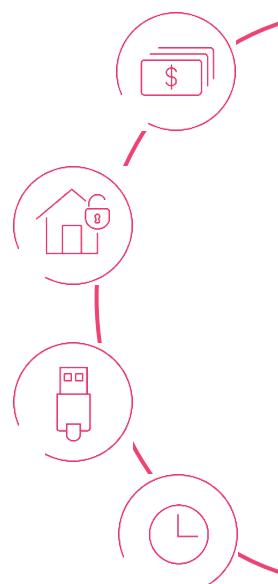


Features

- Compact biometric system
- Onboard authentication software
- Secure communication
- Anti-spoof functionality
- Multiple interfaces SPI/UART/USB/I²C
- Navigation support
- Encrypted template storage
- Template import/export
- Single 3,3V power supply
- Support for GPIO pins
- Feather wing and Arduino shield support
- Durable black matte sensor coating
- RoHS and REACH compliant

Applications

- Logical control
- Crypto wallets
- Fido authenticators, tokens
- Digital access devices



General description

FPC AllKey Pro with built-in spoof protection and secure communication, offers a robust and flexible fingerprint sensor solution. The AllKey Pro incorporates state-of-the-art sensing technology and can easily be integrated into virtually any application with high security focus. Fingerprint templates are automatically created, encrypted, and stored in the internal flash memory. The device can be controlled from any host with basic commands for enrollment and verification. FPC AllKey Pro is provided with multiple interfaces, pre-loaded software and is ready to use on delivery.

Basic parameters

PARAMETER	ADDITIONAL DETAILS/FEATURES	VALUE	UNIT
Dimension	Sensor package (Ø x T), nominal	11,0 x 0,83	mm
Active sensing area	Pixel matrix (100x96 pixels)	5,0 x 4,8	mm
Resolution	256 gray scale values	508	dpi
Templates	Number of templates in encrypted storage	45	template
Environmental	Air discharge 15kV, Water and dust proof	IP67	N/A
Power supply	Current active/deep sleep mode 17mA/14uA	3,3	V
Package type	LGA 47 with pins in 8 x 8 matrix with 1,0 mm pitch	47	pin
Part number	FPC2534AP, 47 pin LGA, Biometric System package	100026223	N/A