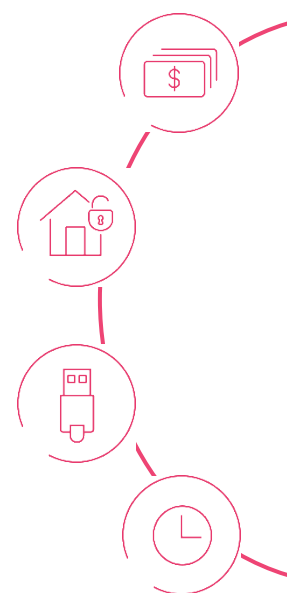## Features

- Compact biometric system
- Onboard authentication software
- Navigation support
- Encrypted template storage
- SPI and UART interface
- Single 3,3V power supply
- Feather wing and Arduino shield support
- Durable black matte sensor coating
- RoHS and REACH compliant

Applications

- Access control
- Door locks
- Digital access devices
- Time and attendance

General description

FPC AllKey offers a proven, robust fingerprint sensor solution. The AllKey incorporates state-of-the-art sensing technology and can easily be integrated into virtually any application. 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 is provided with SPI and UART interfaces, pre-loaded software and is ready to use on delivery. The AllKey features an attractive black coating that offers protection against daily wear and tear. As an additional feature, the black glossy bezel secures IP67 integrations, ensuring durability and resistance to dust and water, while also simplifying customer integration.

Basic parameters

PARAMETER	ADDITIONAL DETAILS/FEATURES	VALUE	UNIT
Dimension	Sensor part (Ø x T), flex center to ZIF, nominal values	14,0 x 1,5 / 34,0	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	30	template
Environmental	Air discharge 15kV, Water and dust proof	IP67	N/A
Power supply	Current active/sleep mode 17mA/14uA	3,3	V
Package type	Flex tail, compatible with 0,5 mm ZIF connector	12	pin
Part number	FPC2532AM, Biometric System module	100026207	N/A