SF105AU

Best Solution of Fingerprint Identification

Features

RoHS · ISO 9001:2015 · IP67

508 dpi Resolution

Ultra Thin

Low-Halogen

Build-in ADC

High EDS Tolerance

High Speed SPI

Fields of Application

Contactless Payments

IoT Application

Door locks

What Can We Do

Sensors and Modules customized

Turnkey Solution

ASIC / ODM
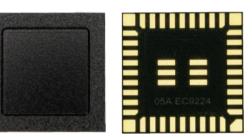
Fabulous Fingerprint Identification

SF105AU is a fingerprint sensor based on capacitive sensing technology, with hardened surfaces and strengthened ESD. The build-in circuitries minimize external components quantity, and iMD's special core technology also enhance signal-detecting sensitivity to get better quality of image.

SF105AU is one of approach for contactless payments and IoT. Beacuse of its thin package size, it is easy to embed in cards to secure end-users property, and avoiding the risk of forgery or fraudulent charge.

For more details, please contact us and we will feedbeck you soon, thank you.

SPECIFICATIONS

Pixel Size	160 x 160
Sensing area	8 × 8 mm
Module/Package Size	12.2 × 12.2 × 0.45 mm
Supply voltag = 3.3V with 10% variationse	2.6 - 3.5 V
Total Supply Current	8 mA
Standby Current	1.5 mA
Sleep Current	1 mA
Operating temperature	-20 to 70°C / -4 to 158°F
Storage Temperature	-40 to 85°C / -40 to 185°F
FPS	33.3/sec
ESD Tolerance Air-discharge	±15 KV
Conatact-discharge	NA

iMD Image Match Design