CROSSMATCH®

TouchChip® TCS2 Sensor
Silicon Fingerprint Sensor

PRODUCT DESCRIPTION

The TouchChip TCS2 fingerprint sensor offers a medium size capture area for a silicon fingerprint sensor, ensuring reliable biometric performance at a cost effective price. Combining the TCS2 with the Enhanced Image Mode (EIM) technology delivers an image quality comparable to the FIPS-201 certified TCS1 sensor. The SteelCoat protective technology enhances durability of the sensor while still enabling excellent biometric performance.

The TouchChip TCS2 sensor provides excellent fingerprint images across a wide range of users, making it a reliable solution for many identity verification applications. It is designed into many logical and physical access control products where the convenience of "touch" and budget are important.

FEATURES

- Most widely deployed silicon touch sensor technology
- Image quality comparable to the TCS1 sensor that is FIPS-201 certified
- Ideal for more cost sensitive touch applications
- Small size & low power

ABOUT CROSSMATCH®

Crossmatch helps organizations solve their identity management challenges through biometrics. Our enrollment and authentication solutions are trusted to create, validate and manage identities for a wide range of government, law enforcement, financial institution, retail and commercial applications. Our solutions are designed using proven biometric technologies, flexible enrollment and strong multi-factor authentication software, and deep industry expertise. We offer an experienced professional services capability to assess, design, implement and optimize our identity management solutions for a customer's individual challenges. Our products and solutions are utilized by over 200 million people in more than 80 countries.

Learn more at www.crossmatch.com

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SPECIFICATIONS

Medium Capture Area	• 10.4 x 14.4 mm imaging array size
High Resolution	• 8-bit per pixel grayscale • Up to 12 frames per second capture rate
Interface	• 8-bit RAM interface • 20-pin 0.5mm pitch flat flex cable connector
Low Power	• 20mA during capture (typical) • 4.5v to 4.6v (EIM-lite mode w/bezel)
Durability	• +/- 15 KV ESD (IEC 61000-4-2 level 4) • 4M fingerprint placements
Environment	• -30 to +85C operating • -40 to +85 storage • RoHS compliant
Data subject to change without notice	

ADVANTAGES

• Active capacitance technology delivers excellent image quality and ability to acquire.

• Enhanced Image Mode (EIM-lite) optimizes image quality over broad range of skin types and capture conditions, plus eliminates latent images during capture.

• TouchChip SteelCoat coating improves ruggedness.

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