

SLE 78CFX3009P

SOLID FLASH™ 16-bit Security Controller
with “Integrity Guard”
Optimized for Contact-based Payment Applications
in 90 nm CMOS Technology

300 kBytes SOLID FLASH™
7 kBytes RAM

Short Product Overview

July 2012



INTEGRITY GUARD



SOLID FLASH™

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SOLID FLASH™: Infineon trademark which stands for security controller using dedicated Flash/EEPROM technologies. SLE 78CFX3009P is based on M7892.

The term "Mifare" in this document is only used as an indicator of product compatibility to the corresponding established technology. This applies to the entire document wherever the term is used.

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Product name	SLE 78CFX3009P ¹  SOLID FLASH™  INTEGRITY GUARD
Product description	Security controller
Interfaces	ISO 7816
Memory	300 kBytes SOLID FLASH™ + 7 kBytes RAM
CPU	Dual 16-bit
Symmetrical cryptography	DES, 3DES, AES up to 256-bit
Asymmetrical cryptography	RSA up to 4096-bit, ECC up to 521-bit
Ambient temperature	-25 to + 85 °C
Delivery forms	FCOS™ module, Wirebond module, Die
Typical applications	EMV DDA , EMV CDA , GP / Java
Certification level	CC EAL5+ High, EMVCo

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