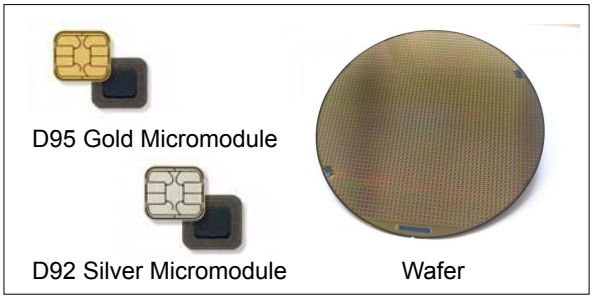
STPay-JS-D18C-AC

VSDC, M/Chip 4, Amex and D-PAS applications
Java Card™ Static platform with 18 Kbytes of EEPROM – Contact

Data brief



Features

- Java Card™ Static platform
- Embedded Visa® Smart Debit Credit (VSDC) MasterCard® M/Chip® 4, Amex® and Discover® D-PAS EMV payment applications
- Visa, MasterCard, Amex and D-PAS certified

Platform

- Java Card™ 2.2.2 operating system
- Global Platform™ 2.1.1 API support
- Common personalization specification (CPS) compliant
- ISO/IEC 7816 T=0 and T=1 contact protocols

Hardware

- Highly secure ST23 MCU with an enhanced 8/16-bit CPU core
- 18 Kbytes of User EEPROM

Applications

- Payment applications embedded in ROM
- MasterCard M/Chip 4 1.1b Select for EMV payment applications
- Visa VSDC 2.8.1f for EMV DDA payment applications
- Amex AEIPS 4.2 EMV payment applications
- D-PAS 1.1 EMV payment applications
- CAP (Chip Authentication Protocol) and DPA (Dynamic Passcode Authentication)

Cryptography

- NESCRYPT cryptographic co-processor for RSA and Elliptic Curve cryptography
- Enhanced DES accelerator (EDES) for DES and 3DES support

Personalization

- EMV CPS v2.0 compliant
- VSDC Personalization Specification v 2.0
- M/Chip 4 v1.1 Common Personalization Specification

Certifications

- Visa® VSDC
- MasterCard® M/Chip 4
- American Express AMEX®
- Discovery® D-PAS

Delivery forms

- 6-contact gold and silver modules
- 8-contact gold and silver modules
- Sawn/unsawn wafers

1 Description

The STPay-JS-D18C-AC is a Java Card™ Static/VGP 2.1.1 platform for payment applications. It comes with 18 Kbytes of user non-volatile memory (NVM).

The STPay-JS-D18C-AC has Visa® Smart Debit Credit (VSDC) Dynamic Data Authentication (DDA), MasterCard® M/Chip® 4 Select, Amex® AEIPS 4.2 and Discovery® DPAS 1.1 payment applications pre-loaded in ROM.

The STPay System-on-Chip (SoC) family is a packaged offering by ST, comprising a highly secure microcontroller, embedded application SW, tools and support, aimed at serving the needs of card embedders and personalization bureaus worldwide.

2 Development tools

The STPay tool is an easy to use toolkit that allows issuers and service providers to:

- Personalize, test and validate STPay-Java sample cards

The tool comes with sample personalization scripts to facilitate script development and rapid card deployment.

3 Revision history

Table 1. Document revision history

Date	Revision	Changes
21-Oct-2013	1	Initial release.

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