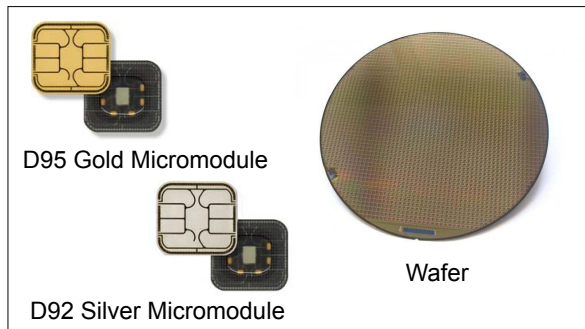

**VSDC SDA and M/Chip 4 Lite applications
Java Card™ Static platform with 8 Kbytes of EEPROM – Contact**

Data brief

**Features**

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

Platform

- Java Card™ 2.2.2 operating system
- Visa® GlobalPlatform™ 2.1.1 API support
- Common personalization specification (CPS) compliant
- ISO/IEC 7816 T=0 contact protocol

Hardware

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

Applications

- Payment applications embedded in ROM
- MasterCard M/Chip 4 1.1a Lite for EMV payment applications
- Visa VSDC 2.7.1 for EMV SDA payment applications
- CAP (Chip Authentication Protocol) and DPA (Dynamic Passcode Authentication)
- PSE 2.2 (Payment System Environment) for application selection

Cryptography

- Enhanced DES accelerator (EDES) for DES and 3DES support

Personalization

- VGP 2.1.1 CPS compliant
- VSDC Personalization Specification v 2.0
- M/Chip 4 v1.1 Common Personalization Specification

Certifications

- Visa® VSDC
- MasterCard® M/Chip 4

Delivery forms

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

1 Description

The STPay-JS-S8-C is a Java Card™ Static platform for Static Data Authentication (SDA) payment applications with 8 Kbytes of user EEPROM memory.

The STPay-JS-S8-C has Visa® Smart Debit Credit (VSDC) Static Data Authentication (SDA) and MasterCard® M/Chip® 4 Lite payment applications pre-loaded in ROM memory. The personalization complies with EMV CPS (Common Personalization Specification).

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	Document revision	ROM code reference	Changes
21-Mar-2012	1	MYK	Initial release.
16-Apr-2013	2	MYK	Updated Features on cover page.
08-Nov-2013	3	MYK	Updated logo information on page 2.



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