Visa GlobalPlatform Program - Latin America - VSDC DDA Java Card™ Static platform with 18 Kbytes of EEPROM – Dual
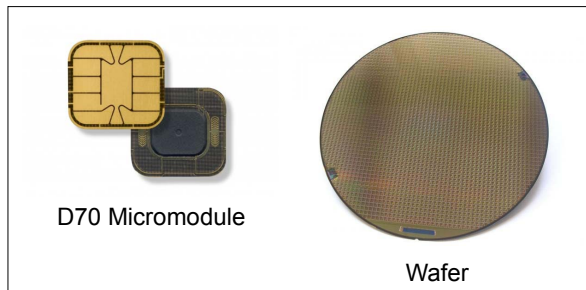
Data brief

D70 Micromodule

Wafer

Features

- Java Card™ Static platform
- Embedded Visa® Smart Debit Credit (VSDC) applications
- Visa certified
- Product dedicated for Visa® GlobalPlatform™ Program - Latin America

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
- ISO/IEC 14443 Type B contactless interface

Hardware

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

Applications

- Payment applications embedded in ROM
- Visa VSDC 2.8.1am2 for EMV DDA payment applications
- VCPS 2.1 for payWave contactless payments
- DPA (Dynamic Passcode Authentication)
- PSE 2.2 (Payment System Environment) for application selection

Cryptography

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

Personalization

- VGP 2.1.1 CPS compliant
- VSDC Personalization Specification v 2.0

Certifications

- Visa® VSDC and payWave

Delivery forms

- D70 6-contact dual interface modules
- Sawn/unsawn wafers

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1 Description

The STPay-JS-D18D-VS is a Java Card™ Static platform for payment applications. It comes with 18 Kbytes of user EEPROM memory and supports both contact and contactless interfaces.

The STPay-JS-D18D-VS has Visa® Smart Debit Credit (VSDC) Dynamic Data Authentication (DDA) payment applications pre-loaded in ROM memory.

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:

- Develop, test and install Java applets
- 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
16-Oct-2013	1	Initial release.

Please Read Carefully: