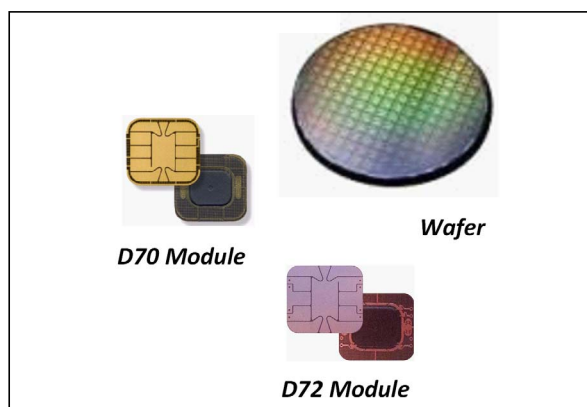


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**Visa® Global Platform Program - Latin America - VSDC  
Java Card™ platform with 18 Kbytes of User NVM – Dual Interface**

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Data brief

**Feature**

- Java Card™ platform
- 18 Kbytes user NVM
- Embedded Visa® VSDC application
- Visa® payWave contactless payment supported
- CPS personalization
- Visa® certified
- Product dedicated for the Visa® Global Platform Program - Latin America

**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 contact protocol
- ISO/IEC 14443 type A contactless interface

**Hardware**

- 32bit ARM® SC000 ST31 CPU core
- 18 Kbytes of User non-volatile memory

**Applications**

- Payment applications embedded in ROM
- Visa® VSDC 2.8.1f for EMV SDA/DDA/CDA payment applications
- Visa® payWave 2.1.1 for 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**

- EMV CPS v 2.0 compliant
- VSDC Personalization Specification v 2.0

**Delivery forms**

- Sawn/unsawn wafer
- 6-contact dual interface D70/D72 modules

## 1 Description

The STPay-J-D18D-VX is a GP 2.1.1 Java Card™ platform for payment applications with 18 Kbytes of user Non Volatile Memory.

STPay-J-D18D-VX is a product dedicated for the Visa® Global Platform program in Latin America. It has Visa® VSDC for pre-loaded in ROM memory. This application supports Visa® payWave contactless payments.

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 Certifications

- Visa® VSDC

## 3 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 for VSDC to facilitate script development/validation and rapid card deployment.

## 4 Revision history

Table 1. Document revision history

Date	Revision	Changes
20-June-2014	1	Initial release.



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