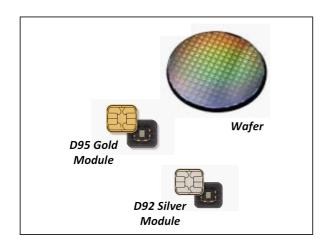


STPay-J-D22C-AX

VSDC and M/Chip[®] Applications Java Card™ platform with 22 Kbytes of User NVM – Contact

Data brief



Features

- Java Card™ platform
- · 22 Kbytes of User NVM
- Embedded VSDC and EMV payment applications
- CPS personalization
- Visa[®] and MasterCard[®] certified

Platform

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

Hardware

- 32-bit ARM[®] SC000™ ST31 CPU core
- 22 Kbytes of User non-volatile memory

Applications

- Payment applications embedded in ROM
- MasterCard Advance 1.1 and 4 1.1b Select for EMV payment applications
- Visa[®] VSDC 2.8.1f for EMV DDA payment applications
- CAP (Chip Authentication Protocol) and 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
- Advance v1.1 Common Personalization Specification

Delivery forms

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

Description STPay-J-D22C-AX

1 Description

The STPay-J-D22C-AX is a GP 2.1.1 Java Card™ platform for payment applications with 22 Kbytes of user Non Volatile Memory.

STPay-J-D22C-AX has Visa[®] VSDC DDA, MasterCard M/Chip[®] Advance and M/Chip[®] 4 Select 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 Certifications

- Visa[®] VSDC
- MasterCard M/Chip[®]

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 and M/Chip to facilitate script development/validation and rapid card deployment.

4 Revision history

Table 1. Document revision history

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



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