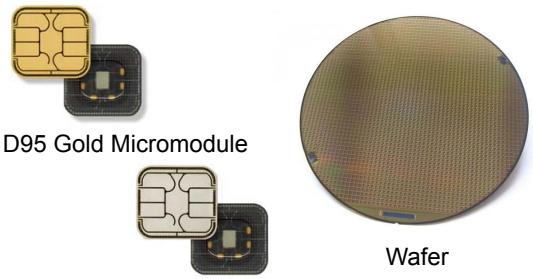
STPay-J-D34-C

VSDC and M/Chip 4 applications
Java Card™ platform with 34 Kbytes of EEPROM - Contact

Data brief



Features

- Java Card™/Visa® GlobalPlatform™ (VGP)
- 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
- 34 Kbytes of User EEPROM

Applications

- Payment applications embedded in ROM
- MasterCard M/Chip 4 1.1a Select for EMV payment applications
- Visa VSDC 2.7.1 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

- 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-J-D34-C is a Java Card™ / VGP platform for payment applications with 34 Kbytes of user EEPROM.

The STPay-J-D34-C has Visa® Smart Debit Credit (VSDC) Dynamic Data Authentication (DDA) and MasterCard® M/Chip® 4 Select 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:

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

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