NFC/RFID Tag and Transponder IC 13553kHz to 13567kHz 64Kbit 8-Pin TSSOP T/R

Manufacturer:	STMicroelectronics, Inc
Package/Case:	TSSOP-8
Product Type:	RF Integrated Circuits
RoHS:	RoHS Compliant/Lead free RoHS
Lifecycle:	NRND
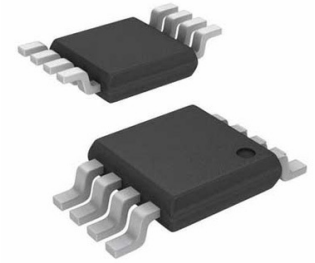
Images are for reference only

Inquiry

General Description

The ST25DV04K, ST25DV16K and ST25DV64K devices are NFC RFID tags offering respectively 4 Kbit, 16 Kbit, and 64 Kbit of electrically erasable programmable memory (EEPROM). ST25DV04K, ST25DV16K and ST25DV64K offer two interfaces. The first one is an I2C serial link and can be operated from a DC power supply. The second one is a RF link activated when ST25DV04K, ST25DV16K or ST25DV64K act as a contactless memory powered by the received carrier electromagnetic wave.

In I2C mode, the ST25DV04K, ST25DV16K and ST25DV64K user memory contains up to 512 bytes, 2048 bytes and 8192 bytes, which could be split in 4 flexible and protectable areas. In RF mode, following ISO/IEC 15693 or NFC forum type 5 recommendations, ST25DV04K, ST25DV16K and ST25DV64K user memory contains respectively up to 128 blocks, 512 blocks and 2048 blocks of 4 bytes which could be split in 4 flexible and protectable areas. ST25DV04K, ST25DV16K and ST25DV64K offer a fast transfer mode between the RF and contact worlds, thanks to a 256 bytes volatile buffer (also called Mailbox). In addition, the GPO pin of the ST25DV04K, ST25DV16K and ST25DV64K provide data informing the contact world about incoming events, like RF field detection, RF activity in progress or mailbox message availability. An energy harvesting feature is also proposed when external conditions make it possible. Herein after all concerned devices (ST25DV04K, ST25DV16K and ST25DV64K) are mentioned as ST25DVxxx.

Key Features

I2C interface

Contactless interface

Fast Transfer Mode

Energy harvesting

Data protection

GPO

Low power mode

RF management

Recommended For You

STA5620

STMicroelectronics, Inc

QFN

ST25RU3993-BQFT

STMicroelectronics, Inc

QFN48

ST25R95-VMD5T

STMicroelectronics, Inc

QFN32

STA8090FG

STMicroelectronics, Inc

BGA

STA8088GA

STMicroelectronics, Inc

QFN

ST95HF-VMD5T

STMicroelectronics, Inc

QFN32

ST25DV16K-JFR6D3

STMicroelectronics, Inc

12UFDFPN

ST25R3920-AQWT

STMicroelectronics, Inc

VFQFPN32

ST25DV04K-IER6C3

STMicroelectronics, Inc

DNF8

STA8089GA

STMicroelectronics, Inc

QFN

STA8088FG

STMicroelectronics, Inc

VFQFPN56

ST25DV04K-IER6S3

STMicroelectronics, Inc

SOP8

SMA661ASTR

STMicroelectronics, Inc

SOT666

ST25R3916-AQWT

STMicroelectronics, Inc

QFN32

STM32WB55CGU7

STMicroelectronics, Inc

UFQFN48