

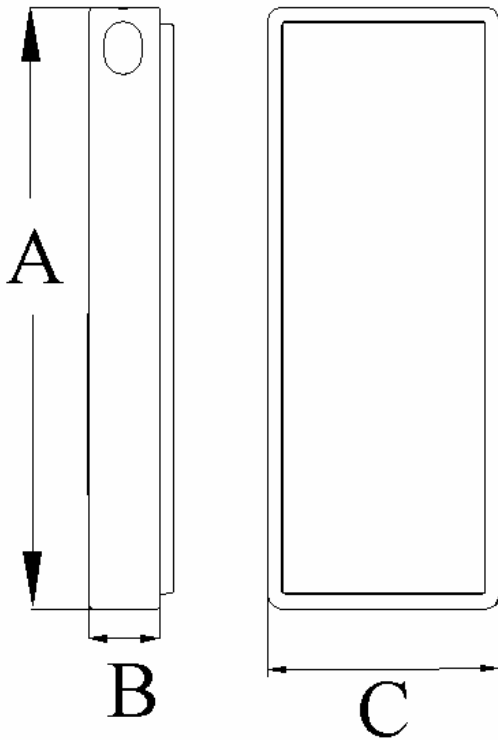
# TS4GJFV90Q

4GB USB2.0 JetFlash™ V90Q

## Description

TS4GJFV90Q is a 4GB USB Flash Drive with 2pcs of 2Gx8 Flash Memory assembled by chip on board process.

## Outline



## Features

- USB Interface: Compliant with USB specification 2.0.
- PC-Lock Function: Makes JetFlash™ a key to lock your computer
- Secret-Zip Function: Compress and/or Password protect saved files using AES Encryption
- E-Mail Function: Use your JetFlash™ to Securely Send, Receive and Save e-mails
- AutoLogin Function: Automatically login to websites where you have a password
- Favorites Function: Store all your favorite website addresses on the JetFlash™
- DataBackup Function: Backup, Restore and Synchronize your Data using the JetFlash™
- No external power or battery needed

## Dimensions

Side	Millimeters	Inches
A	33.8 ± 0.15	1.33 ± 0.006
B	4.5 ± 0.15	0.18 ± 0.006
C	13.1 ± 0.15	0.52 ± 0.006

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## Pinouts

Pin No.	Pin Name
01	VCC
02	USB-
03	USB+
04	VSS

## Pin Identification

Symbol	Function
USB-	USB differential signal:
USB+	The pairs are used to transmit Data/Address/Command
VSS	Ground
VCC	USB power input

## Specifications

Storage Capacity	4GB
Data Retention	10 years
Erase Cycles	>10,000 times
Connector Durability	10,000 times
System Performance	Read: 18MB/sec (max.), Write: 5MB/sec (max.)
Power Supply	DC 5V±10% via the USB port
Temperature Range	Operation: 0-70°C, Non-Operating: -40°C-85°C
Weight	7g
Certificates	CE, FCC, BSMI

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## Absolute Maximum Ratings

Symbol	Parameter	Rating	Unit
V <sub>CC</sub>	Power Supply	4.5 to 5.5	V
V <sub>IN</sub>	Input Voltage	3.0 to 3.6	V

## DC Characteristics:

Symbol	Parameter	Min.	Typ.	Max.	Units
I <sub>IL</sub>	Input Leakage Current (No pull-up or pull-down)	-10		10	μA
I <sub>OZ</sub>	Tri-State Leakage Current	-10		10	μA
V <sub>IL</sub>	Input Low Voltage			0.8	V
V <sub>IH</sub>	Input High Voltage	2.0			V
V <sub>OL</sub>	Output Low Voltage (I <sub>OL</sub> =4mA)			0.4	V
V <sub>OH</sub>	Output High Voltage (I <sub>OH</sub> =4mA)	2.4			V
R <sub>pu</sub>	Input pull-up resistance (PU=high, PD=low)	55	75	110	KΩ
R <sub>pd</sub>	Input pull-down resistance (PU=low, PD=high)	40	75	150	KΩ
I <sub>ACT</sub>	Active Current			55	mA
I <sub>SLP</sub>	Sleep Current			120	μA

## Recommended Operating Conditions

Symbol	Parameter	Min.	Typ.	Max.	Units
V <sub>CC</sub>	Power Supply Voltage	4.5	5	5.5	V
V <sub>IN</sub>	Input Voltage	3	3.3	3.6	V
V <sub>CC18</sub>	Internal Power Supply	1.62	1.8	1.98	V

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