

# Solid State System – 6137 USB 3.2 Gen1 Controller

## Overview

Solid State System **SSS6137** USB 3.2 Gen 1 controller is single flash channel solution designed explicitly to support 3D NAND-type flash. With advanced ECC correction ability, and abundant NAND technology knowledge, the controller ensures the highest reliability of NAND management. **SSS6137** controller delivers high data transfer rates with integrated 32 bit compatible microprocessor and support of DDR NAND.

**SSS6137** controller is compliant with USB 3.2 Gen 1 specification, and is backward compatibility with 1.1/ 2.0. **SSS6137** controller is designed to be a reliable chip which supports all kinds of flash with high data integrity and high stability.



## Features

- 32bit Microprocessor
- Compliant with USB 3.2 Gen 1
- Backward Compatible to USB 1.1/ 2.0
- Up to 100bit/1KB ECC supported
- Global Wear-Leveling algorithm supported
- 1 Flash Channel, Up to 4 CE
- ONFI3.x / Toggle2.0 (w.o. differential) NAND Supported
- Kioxia 3D TLC/QLC NAND
- SanDisk 3D TLC/QLC NAND
- Micron 3D TLC/QLC NAND
- Solidigm 3D QLC NAND
- Hynix 3D TLC NAND
- YMTC 3D TLC NAND
- Customized VID/PID/Serial configuration supported
- Windows 7/8/10/11 supported
- Microsoft Windows 10 WHLK Compliant
- Mac OS 12.0.1+ and Linux kernel 3.0+ supported
- 48-pin EP-LQFP 7mm x 7mm package size

## Highlights

- 32bit Microprocessor
- USB 3.2 Gen 1 supported
- Up to 100bit/1KB ECC
- GWL Supported
- 1 Channel
- ONFI/Toggle Supported
- Kioxia 3D TLC/QLC
- SanDisk 3D TLC/QLC
- Micron 3D TLC/QLC
- Solidigm 3D QLC
- Hynix 3D TLC
- YMTC 3D TLC
- Windows 7/8/10/11
- Mac OS 12.0.1 and above
- Up to 4 CE

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**Solid State System**

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