

Solid State System – 6139 USB 3.2 Gen1 Controller

Overview

Solid State System **SSS6139** 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. **SSS6139** controller delivers high data transfer rates with integrated 32 bit compatible microprocessor and support of DDR NAND.

SSS6139 controller is compliant with USB 3.2 Gen1 specification, and is backward compatibility with 1.1/ 2.0. **SSS6139** 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
- LDPC Error Correction Code
- Global Wear-Leveling algorithm supported
- 1 Flash Channel, Up to 4 CE
- ONFI3.x / Toggle2.0 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
- LDPC 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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