

Solid State System – 6132 USB 3.1 Gen1 Controller

Overview

Solid State System **SSS6132** USB 3.1 Gen 1(USB3.0) controller is single flash channel USB 3.0 solution designed explicitly to support 2D/3D MLC/TLC NAND-type flash. With advanced ECC correction ability, and abundant NAND technology knowledge, the controller ensures the highest reliability of NAND management. **SSS6132** controller delivers high data transfer rates with integrated 32 bit compatible microprocessor and support of DDR NAND.

SSS6132 controller is compliant with USB 3.0 version 1.0 specification, and is backward compatibility with 1.1/ 2.0.

SSS6132 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 3.0 specification Ver. 1.0
- 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
- ONFI2.x / Toggle1.0 NAND Supported
- Toshiba™ 2D/3D MLC/TLC NAND
- SanDisk® 2D/3D MLC/TLC NAND
- Intel® /Micron® 2D/3D MLC/TLC NAND
- Hynix® 2D/3D MLC/TLC NAND
- Customized VID/PID/Serial configuration supported
- Windows® Vista/7/8/10 supported
- Microsoft™ Windows 8® WHCK Compliant
- Microsoft™ Windows 10® WHLK Compliant
- Mac OS 10.11 and Linux kernel 3.0 supported
- 48-pin EP-LQFP Package

Highlights

- 32bit Microprocessor
- USB 3.0 supported
- Up to 100bit/1KB ECC
- GWL Supported
- 1 Channel
- ONFI/Toggle Supported
- TSB 2D/3D MLC/TLC
- SanDisk 2D/3D MLC/TLC
- Micron 2D/3D MLC/TLC
- Intel 2D/3D MLC/TLC
- Hynix 2D/3D MLC/ TLC
- Windows® Vista/7/8/10
- Mac OS 10.11 and above
- Up to 4 CE
- EP-LQFP Package



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