

# 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 3D 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™ 3D TLC NAND
- SanDisk® 3D TLC NAND
- Intel® /Micron® 3D TLC NAND
- Hynix® 3D TLC NAND
- Customized VID/PID/Serial configuration supported
- Windows® 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 3D TLC
- SanDisk 3D TLC
- Micron 3D TLC
- Intel 3D TLC
- Hynix 3D TLC
- Windows® 7/8/10
- Mac OS 10.11 and above
- Up to 4 CE
- EP-LQFP Package

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**Solid State System**

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