

# Solid State System – USB 3.0 Controller

## Overview

**USB 3.0 SSS6130** controller is designed multi channels to support MLC/ TLC NAND-type flash. With advanced ECC correction ability, and abundant NAND technology knowledge, the controller ensures the highest reliability of NAND management. **SSS6130** controller delivers high data transfer rates with integrated 32 bit compatible microprocessor and support of DDR NAND.



**SSS6130** controller is compliant with USB 3.0 version 1.0 specification, and is backward compatibility with 1.1/ 2.0. **SSS6130** controller is designed to be a reliable chip which provides solutions to serve the storage scenario which needs high data transfer rate such as high definition content download application.

## Features

- 32bit Microprocessor
- Compliant with USB 3.0 specification Ver. 1.0
- Backward Compatible to USB 1.1/ 2.0
- Advanced ECC supported
- Global Wear-leveling
- Multi Channels, Up to 8 CE
- BOT Protocol Supported
- ONFI/ Toggle NAND Supported
- Toshiba™ 4/ 8LC NAND supported
- SanDisk® 4/ 8LC NAND supported
- Samsung® MLC/ TLC supported
- Intel®/Micron® MLC/ TLC NAND supported
- HYNIX® MLC NAND supported
- Customized VID/PID/Serial configuration supported
- Windows® 7/8 supported
- Windows® 8 ReadyBoost® - Microsoft WHCK compliant
- Mac OS 10.5+ and Linux kernel 2.4.2+ supported
- QFN Package

## Highlights

- 32bit Microprocessor
- USB 3.0 supported
- Advanced ECC supported
- GWL Supported
- Multi Channels
- BOT Protocol Supported
- ONFI/ Toggle Supported
- TSB 4/ 8 LC
- SanDisk 4/ 8 LC
- Samsung MLC/ TLC
- Intel/Micron MLC/ TLC
- Hynix MLC
- Windows® 7/8
- Mac OS 10.5 and above
- Up to 8 CE
- QFN Package