

Solid State System – SSS6697 USB Controller

Overview

The SSS6697 USB controller from Solid State System is of the highest performance solution designed explicitly to support MLC and TLC NAND-type flash with multiple dice data configurations from most of the major flash suppliers. With 64bit/1KB ECC correction ability, advanced technologies on NAND process nodes are fully supported to ensure the highest reliability of NAND management by the controller. The SSS6697 USB controllers have been fully tested and verified with 100% Microsoft™ Windows 7 compatibility.



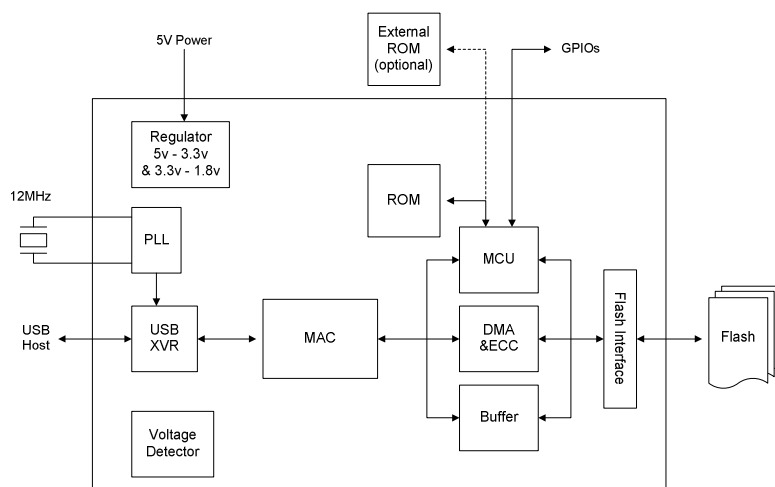
One of the key features implemented with SSS6697 is to have the external crystal built into the IC itself. By having eliminated the need of external crystal on conventional PCBA design & layout, the ultimate target of total BOM cost saving is reached for increased market competitiveness.

Features

- USB 1.1 & 2.0 specification compliant (480MB/sec)
- Advanced 64-bit/1K BCH ECC supported
- Crystal build-in for total BOM cost saving
- Toshiba™ 32nm/24nm/19nm 8LC NAND supported
- SanDisk 32nm/24nm/19nm eX3 NAND supported
- Samsung® 27nm TLC supported
- Intel®/Micron® 25nm TLC NAND supported
- Global (Static/Dynamic) Wear-leveling
- Customized VID/PID/Serial configuration supported
- Windows® ME/2000/XP/Vista/7 supported
- Windows® Vista/7 ReadyBoost® - Microsoft WHQL 1.6 compliant
- Mac OS 8.6+ and Linux kernel 2.4.2+ supported

Highlights

- USB 1.1 & 2.0 supported
- Crystal build-in
- TSB 32nm/24/19nm 8LC
- Samsung 27nm TLC
- Intel/Micron 25nm TLC
- SanDisk 32/24/19nm eX3
- CM-die supported
- 8CE available – 48pin
- Windows® XP/Vista/7
- Mac OS 8.6 and above



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