



ACE26AA02GD

2G-BIT SPI NAND FLASH MEMORY

Description

The ACE26AA02GD is a 2G-bit (256M-byte) SPI (Serial Peripheral Interface) NAND Flash memory, with advanced write protection mechanisms. The ACE26AA02GD supports the standard Serial Peripheral Interface (SPI), Dual/Quad I/O option.

Features

- 2G-bit NAND Flash memory
 - Single-level cell (SLC) technology
 - Page size: 2176 bytes (2048 + 128 bytes)
 - Block size: 64 pages (128K + 8K bytes)
 - Device size: 2Gb (2048 blocks)
- Serial Interface
 - Standard SPI: CLK, CS#, SI, SO, WP#
 - Dual SPI: CLK, CS#, SIO0, SIO1, WP#
 - Quad SPI: CLK, CS#, SIO0, SIO1, SIO2, SIO3
- High Performance
 - 120MHz for fast read
 - Quad I/O data transfer up to 480Mbits/s
 - 2K-Byte cache for fast random read
- Advanced Security Features
 - Write protect all/portion of memory via software
 - Lockable 8K-Byte OTP region
 - 128-Bit Unique ID for each device
 - Parameter Page
- Program/Erase/Read Speed
 - Page Program time: 360us typical
 - Block Erase time: 3.5ms typical
 - Page Read time: 130us typical (with ECC)
- Single Supply Voltage: 2.7V~3.6V
- Advanced Security Features
 - 8bit ECC option, per 528 bytes
 - Internal data move by page with ECC
 - Promised golden block0
- Package
 - WSON-8 (6*8)
- Data retention: 10 years
- Endurance: 60,000 PROGRAM/ERASE cycles with 8bit/528bytes ECC

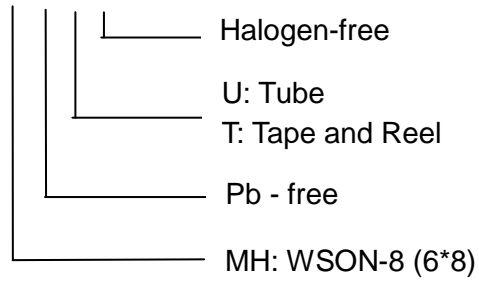


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Ordering Information

ACE26AA02GD XX + X H





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Notes

ACE does not assume any responsibility for use as critical components in life support devices or systems without the express written approval of the president and general counsel of ACE Technology Co., LTD. As sued herein:

1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury to the user.
2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.