
HN29VT800 Series, HN29VB800 Series

1048576-word × 8-bit / 524288-word × 16-bit CMOS Flash Memory

HITACHI

ADE-203-781A (Z)
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Description

The Hitachi HN29VT800 Series, HN29VB800 Series are 1-Mword × 8-bit/512-kword × 16-bit CMOS Flash Memory with DINOR (DIvided bitline NOR) type memory cells, that realize programming and erase capabilities with a single power supply. The built-in Sequence Controller allows Automatic Program/Erase without complex external control. HN29VT800 Series, HN29VB800 Series enable the low power and high performance systems such as mobile, personal computing and communication products.

Features

- On-board single power supply (V_{CC}): $V_{CC} = 2.7\text{ V to }3.6\text{ V}$
- Access time: 100/120 ns (max)
- Low power dissipation:
 - $I_{CC} = 30\text{ mA (max) (Read)}$
 - $I_{CC} = 200\text{ }\mu\text{A (max) (Standby)}$
 - $I_{CC} = 40\text{ mA (max) (Program)}$
 - $I_{CC} = 40\text{ mA (max) (Erase)}$
 - $I_{CC} = 1\text{ }\mu\text{A (typ) (Deep powerdown)}$
- Automatic page programming:
 - Programming time: 25 ms (typ)
 - Program unit: 128 word
- Automatic erase:
 - Erase time: 50 ms (typ)
 - Erase unit: Boot block; 8-kword/16-kbyte × 1
Parameter block; 4-kword/8-kbyte × 2
Main block; 16-kword/32-kbyte × 1
32-kword/64-kbyte × 15

This product is compatible with M5M29FB/T800xx by Ltd. Mitsubishi.

