

Hitachi Memory I.C.s

How to use this CD-ROM

DRAMs

DRAM Modules

Graphics Memory

SRAMs

Nonvolatile Memory

Sales Contact Information



Hitachi America, Ltd. Memory I.C.s

DRAMs

Data Sheets

2 Mbit DRAMs

4 Mbit DRAMs

16 Mbit DRAMs

64 Mbit DRAMs

News Releases

Technology Partner Articles

- 6/96 - SDRAMs Hit Mainstream; PC Industry Begins Swing Toward Synchronous Memory, Led by Dell
- 6/96 - 64Mbit DRAMs and Modules Allow Drop-In Memory Upgrades to Beyond 1Gigabyte Capacity

DRAM Update



Hitachi America, Ltd. Memory I.C.s

DRAM News Releases

- 12/16/96 - Hitachi's 100-MHz, 64-Mbit SDRAMs Have 16Mx4, 8Mx8, and 4Mx16 Organizations; They Enable Faster Workstations, Servers, and PCs
- 6/3/96 - Hitachi's 64Mbit DRAMs and Modules Allow Drop-In Memory Upgrades of Servers and Workstations to 1 Gigabyte Capacity and Beyond
- 4/29/96 - Synchronous DRAMs Hit Mainstream; PC Industry Begins Swing Toward Synchronous Memory, Led by Dell
- 12/18/95 - Hitachi's 16Mbit, 1Mx16 Synchronous DRAM Brings High Performance Main Memory to the PC and Set Top Terminal Markets
- 5/22/95 - Hitachi's 16Mbit SDRAM Devices and 2Mx72/4Mx72 DIMMs Migrate Advanced Memory Solutions from Graphics Systems to Mainstream Applications
- 3/13/95 - Hitachi's 4Mbit Synchronous DRAMs Achieve 80 MHz Speeds, Providing Higher Performance and Cost-Sensitive PC Graphics Systems



2 Mbit DRAM Data Sheets

- HM5221605 Series 65,536-word 16-bit x 2-bank SDRAM

The graphic features a blue background with a grid of white lines. Several integrated circuits (ICs) are shown in various orientations and colors (red, grey, blue, green). One IC in the foreground is blue with the word 'HITACHI' printed on it. The text 'Hitachi America, Ltd. Memory I.C.s' is overlaid in a large, bold, purple font.

Hitachi America, Ltd. Memory I.C.s

4 Mbit DRAM Data Sheets

- HM514100C Series 4,194,304-word x 1-bit DRAM
- HM514400C Series 4,194,304-word x 1-bit DRAM
- HM514400CI Series 1,048,576-word x 4-bit DRAM
- HM514405C Series 1,048,576-word x 4-bit DRAM
- HM514800C Series HM51S4800C Series 524,288-word x 8-bit DRAM
- HM514800CI Series HM51S4800CI Series 524,288-word x 8-bit DRAM, industrial temp. range version
- HM5241605C Series 131,072 word x 16-bit x 2-bank SDRAM
- HM514170C Series HM51S4170C Series 262,144-word x 16-bit DRAM
- HM514260D Series HM51S4260D Series 4,194,304-word x 1-bit DRAM
- HM514265C Series HM51S4265C Series 262,144-word 16-bit DRAM
- HM514265D Series HM51S4265D Series 262,144-word x 16-bit DRAM
- HM51W4260C Series 262,144-word x 16-bit DRAM
- HM51W4265C Series 262,144-word x 16-bit DRAM

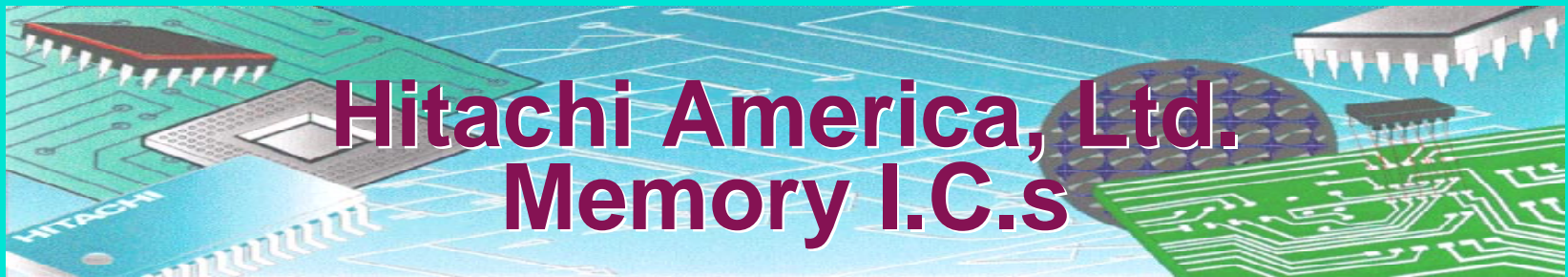
The background of the slide features a collage of various integrated circuits (ICs) and printed circuit boards (PCBs). The ICs are shown in different colors (blue, green, white) and are arranged in a way that suggests a complex electronic system. The text "Hitachi America, Ltd. Memory I.C.s" is overlaid on this background in a large, bold, purple font.

Hitachi America, Ltd. Memory I.C.s

16 Mbit DRAM Data Sheets

- HM5116100 Series 16,777,216-word x 1-bit DRAM
- HM5116100B Series 16,777,216-word x 1-bit DRAM
- HM5116400 Series HM5117400 Series 4,194,304-word x 4-bit DRAM
- HM5116400B Series 4,194,304-word x 4-bit DRAM
- HM5116405 Series HM5117405 Series 4,194,304-word x 4-bit DRAM
- HM5116405B Series 4,194,304-word x 4-bit DRAM
- HM5117400B Series 4,194,304-word x 4-bit DRAM
- HM5117405B Series 4,194,304-word x 4-bit DRAM
- HM51W16400 Series HM51W17400 Series 4,194,304-word x 4-bit DRAM
- HM51W16405 Series HM51W17405 Series 4,194,304-word x 4-bit DRAM
- HM51W17400B Series 4,194,304-word x 4-bit DRAM
- HM5216805 Series HM5216405 Series 1,048,576-word x 8-bit 2-bank
SDRAM, 2,097,152-word x 4-bit x 2-bank SDRAM
- HM5216808C Series HM5216408C Series 1,048,576-word x 8-bit x 2-bank
SDRAM (SSTL-3) 2,097,152-word x 4-bit x 2-bank SDRAM (SSTL-3)
- HM5117800 Series 2,097,152-word x 8-bit DRAM
- HM5117800B Series 2,097,152-word x 8-bit DRAM
- HM5117805 Series 2,097,152-word x 8-bit DRAM

[More 16 Mbit DRAM data sheets](#)



16 Mbit DRAM Data Sheets (Continued)

- HM51W17800B Series 2,097,152-word x 8-bit DRAM
- HM51W17805 Series 2,097,152-word x 8-bit DRAM
- HM51W17805B Series 2,097,152-word x 8-bit DRAM
- HM5216165 Series 524,288-word x 16-bit x 2-bank DRAM
- HM5116160 Series HM5118160 Series 1,048,576-word x 16-bit DRAM
- HM5116160A Series HM5118160A Series 1,048,576-word x 16-bit DRAM
- HM5116160B Series 1,048,576-word x 16-bit DRAM
- HM511663C Series 65,536-word x 16-bit DRAM
- HM5118160B Series 1,048,576-word x 16-bit DRAM
- HM5118160BI Series 1,048,576-word x 16-bit DRAM
- HM5118165A Series 1,048,576-word x 16-bit DRAM
- HM5118165B Series 1,048,576-word x 16-bit DRAM
- HM51W16160 Series HM51W18160 Series 1,048,576-word x 16-bit DRAM
- HM51W16160A Series HM51W18160A Series 1,048,576-word x 16-bit DRAM
- HM51W16160B Series 1,048,576-word x 16-bit DRAM
- HM51W16165 Series HM51W18165 Series 1,048,576-word x 16-bit DRAM
- HM51W16165A Series 1,048,576-word x 16-bit DRAM
- HM51W16165B Series 1,048,576-word x 16-bit DRAM
- HM51W18165A Series 1,048,576-word x 16-bit DRAM

The graphic features a blue background with a network of white lines. Several integrated circuits are shown: a red chip on a green PCB, a silver chip on a blue PCB, a blue chip with 'HITACHI' printed on it, and a white chip on a green PCB. The text 'Hitachi America, Ltd. Memory I.C.s' is overlaid in a bold, dark red font.

Hitachi America, Ltd. Memory I.C.s

64 Mbit DRAM Data Sheets

- HM5164400A Series HM5165400A Series 16,777,216-word x 4-bit DRAM
- HM5164405A Series HM5165405A Series 16,777,216-word x 4-bit DRAM (EDO-4K/8K Refresh)
- HM5164165A Series HM5165165A Series 8,388,608-word x 8-bit DRAM
- HM5164800A Series HM5165800A Series 8,388,608-word x 8-bit DRAM
- HM5164805A Series HM5165805A Series 8,388,608-word x 8-bit DRAM
- HM5264165 Series HM5264805 Series HM5264405 Series 1,048,576-word x 16-bit x 4-bank DRAM, 2,097,152-word x 8-bit x 4-bank SDRAM 4,194,304-word x 4-bit x 4-bank SDRAM

A graphic showing various integrated circuits (chips) and printed circuit boards (PCBs) in shades of blue, green, and white. The text "Hitachi America, Ltd. Memory I.C.s" is overlaid in a dark red, serif font.

Hitachi America, Ltd. Memory I.C.s

DRAM Modules

Module Numbering System

Data Sheets

x32 SIMM/S.O. DIMMs

x36 SIMMs

x64 DIMM/S.O. DIMMs

x72 DIMMs

News Releases

Technology Partner Articles

- 11/96 - Densities of Cost-Saving 16-Mbit DRAM/SDRAM-based DIMMs Extend to 64 MByte

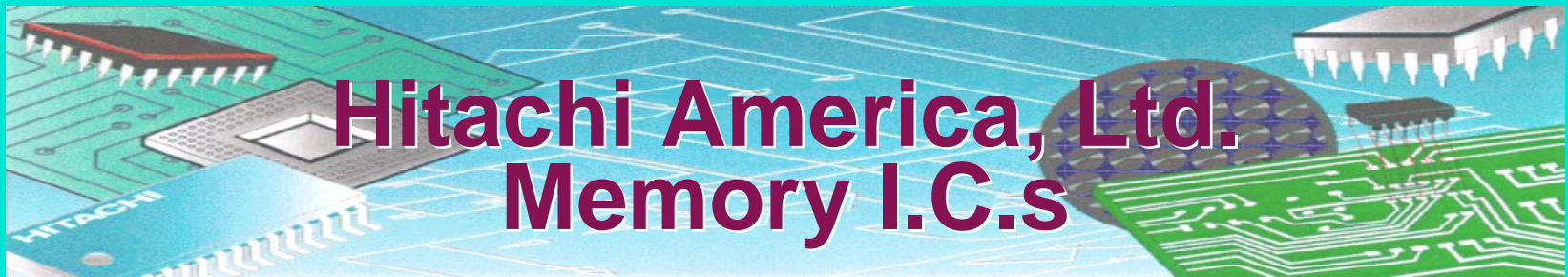
DRAM Module Update



Hitachi America, Ltd. Memory I.C.s

DRAM Module News Releases

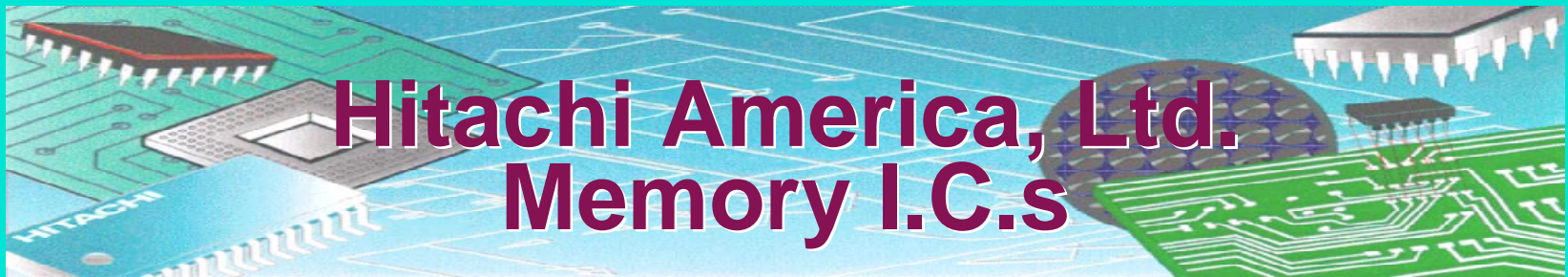
- 12/16/96 - Industry's Highest Density SDRAM Modules (up to 16Mx72) Enable Faster Workstations, Servers, PCs
- 11/11/96 - Hitachi's Innovative Packaging Boosts Density of 16-Mbit-based Synchronous DRAM Modules; High Performance and Huge Densities are Now Available at Low Cost
- 9/23/96 - Innovative Packaging in 16Mbit DRAM-based DIMMs Saves Cost; Densities Extend into Ranges Previously Served Only by 64Mbit DRAM-based DIMMs
- 12/18/95 - Hitachi's Industry - First 8Byte EDO and Synchronous DRAM DIMMs Bring New Flexibility and Expandability to High Performance Desktop and Notebook PCs
- 5/22/95 - Hitachi's 16Mbit SDRAM Devices and 2Mx72/4Mx72 DIMMs Migrate Advanced Memory Solutions from Graphics Systems to Mainstream Applications



x32 SIMM/S.O. DIMM Data Sheets

- HB56G25632 Series 262,144-word x 32-bit High Density DRAM Module
- HB56G51232 Series 524,288-word x 32-bit High Density DRAM Module
- HB56A132 Series 1,048,576-word x 32-bit High Density DRAM Module
- HB56G132 Series 1,048,576-word x 32-bit High Density DRAM Module
- HB56G132B/SB-6B/7B 1,048,576-word x 32-bit High Density DRAM Module
- HB56H132 Series 1,048,576-word x 32-bit High Density DRAM Module
- HB56H132B/SB-6BN/7BN 1,048,576-word x 32-bit High Density DRAM Module
- HB56T132D Series 1,048,576-word x 32-bit High Density DRAM Module
- HB56TW132D Series 1,048,576-word x 32-bit High Density DRAM Module
- HB56U132 Series 1,048,576-word x 32-bit High Density DRAM Module
- HB56A232BA/SBA-6B/7B/8B 2,097,152-word x 32-bit High Density DRAM Module
- HB56A232D Series 2,097,152-word x 32-bit High Density DRAM Module
- HB56G232 Series 2,097,152-word x 32-bit High Density DRAM Module
- HB56G232B/SB-6B/7B 2,097,152-word x 32-bit High Density DRAM Module
- HB56H232 Series 2,097,152-word x 32-bit High Density DRAM Module
- HB56H232B/SB-6BN/7BN 2,097,152-word x 32-bit High Density DRAM Module
- HB56U232 Series 2,907,152-word x 32-bit High Density DRAM Module

[More x32 SIMM/S.O. DIMM data sheets](#)



x32 SIMM/S.O. DIMM Data Sheets (Continued)

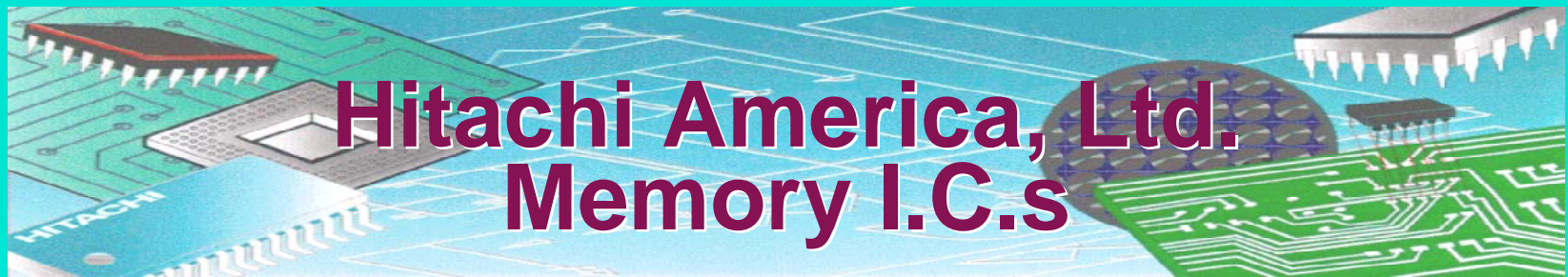
- HB56A432 Series, 4,194,304-word x 32-bit High Density DRAM Module
- HB56T432D Series 4,194,304-word x 32-bit High Density DRAM Module
- HB56T433D Series 4,194,304-word x 32-bit High Density DRAM Module
- HB56TW432D Series 4,194,304-word x 32-bit High Density DRAM Module
- HB56TW433D Series 4,194,304-word x 32-bit High Density DRAM Module
- HB56U432B/SB-6BN/7BN/8BN 4,194,304-word x 32-bit High Density DRAM Module
- HB56A832 Series, 8,388,608-word x 32-bit High Density DRAM Module
- HB56U832B/SB-6BN/7BN/8BN 8,388,608-word x 32-bit High Density DRAM Module

The graphic features a blue background with a network of white lines. Several integrated circuits (ICs) are shown in various orientations and colors (red, grey, blue, green). One IC in the foreground is blue with the word 'HITACHI' printed on it. The text 'Hitachi America, Ltd. Memory I.C.s' is overlaid in a large, bold, purple font.

Hitachi America, Ltd. Memory I.C.s

x36 SIMM Data Sheets

- HB56D136 Series 1,048,576-word x 36-bit High Density DRAM Module
- HB56D236 Series 1,048,576-word x 36-bit High Density DRAM Module
- HB56G136 Series 1,048,576-word x 36-bit High Density DRAM Module
- HB56G136B/SB-6B/7B 1,048,576-word x 36-bit High Density DRAM Module
- HB56G236 Series 2,097,152-word x 36-bit High Density DRAM Module
- HB56G236B/SB-6B/7B 2,097,152-word x 36-bit High Density DRAM Module
- HB56E836 Series HB56E436 Series 8,388,608-word x 36-bit High Density DRAM Module
- HB56A1636B/SB-6B/7B/8B 16,777,216-word x 36-bit High Density DRAM Module



x64 DIMM/S.O. DIMM Data Sheets

- HB526A164DB Series 524,288-word x 64-bit x 2-bank SDRAM Module
- HB526A164EN-10/12 Series 524,288-word x 64-bit x 2-bank SDRAM Module
- HB526C164EN Series 524,288-word x 64-bit x 2-bank SDRAM Module
- HB56A164EJ Series 1,048,576-word x 64-bit High Density DRAM Module
- HB56G164EJ-6B/7B 1,048,576-word x 64-bit High Density Dynamic RAM Module
- HB56H164EJ-6B/7B 1,048,576-word x 64-bit High Density Dynamic RAM Module
- HB56HW164DB Series 1,048,576-word x 64-bit High Density DRAM Module
- HB56HW164DB-6B/7B 1,048,576-word x 64-bit High Density DRAM Module
- HB56HW164DB-6BL/7BL 1,048,576-word x 64-bit High Density DRAM Module
- HB56HW164EJN-6B/7B 1,048,576-word x 64-bit High Density DRAM Module
- HB56HW165DB-6B/7B 1,048,576-word x 64-bit High Density DRAM Module
- HB56HW165DB-6BL/7BL 1,048,576-word x 64-bit High Density DRAM Module
- HB526A264DB 1,048,576-word x 64-bit x 2-bank SDRAM Module
- HB526A264EN Series 1,048,576-word x 64-bit x 2-bank SDRAM Module
- HB526R464DBK-10/12 1,048,576-word x 64-bit x 4-bank SDRAM Module
- HB56A264EJ Series 2,097,152-word x 64-bit High Density DRAM Module
- HB56U264EJ Series 2,097,152-word 64-bit High Density DRAM Module
- HB56U264EJN Series 2,097,152-word x 64-bit High Density DRAM Module

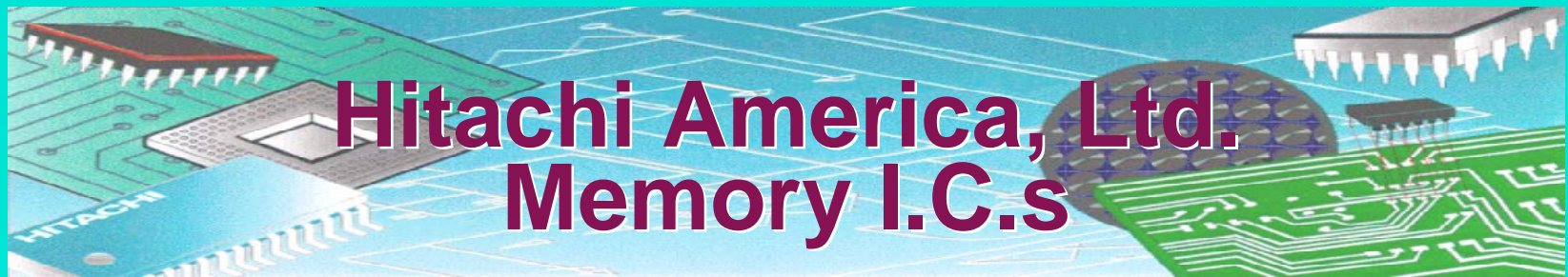
[More x64 DIMM/SO DIMM data sheets](#)

The background of the top section is a stylized illustration of various integrated circuits (ICs) and printed circuit boards (PCBs). The ICs are shown in different colors (red, grey, blue, green) and are connected by a network of white lines on a blue background, representing a complex circuit board. The text "Hitachi America, Ltd. Memory I.C.s" is overlaid in a large, bold, purple font.

Hitachi America, Ltd. Memory I.C.s

x64 DIMM/S.O. DIMM Data Sheets (Continued)

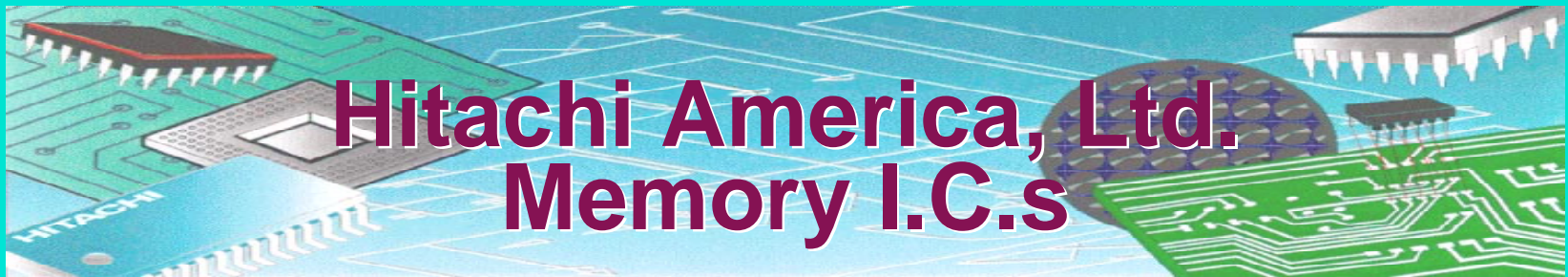
- HB56UW264DB-6B/7B/8B 2,097,152-word x 64-bit High Density DRAM Module
- HB56UW264DB-6BL/7BL/8BL 2,097,152-word x 64-bit High Density DRAM Module
- HB56UW264EJN-6B/7B 2,097,152-word x 64-bit High Density DRAM Module
- HB56A464EJ Series 4,194,304-word x 64-bit High Density DRAM Module
- HB56SW464DB-6B/7B 4,194,304-word x 64-bit High Density DRAM Module
- HB56SW464DB-6BL/7BL 4,194,304-word x 64-bit High Density DRAM Module
- HB56SW464DB-6BLS/7BLS 4,194,304-word x 64-bit High Density DRAM Module
- HB56U464EJ - 6B/7B 4,194,304-word x 64-bit High Density DRAM Module
- HB56UW464EJ-6B/7B/8B 4,194,304-word x 64-bit High Density DRAM Module
- HB56UW464EJN-6B/7B 4,194,304-word x 64-bit High Density DRAM Module
- HB56UW465EJN-6B/7B 4,194,304-word x 64-bit High Density DRAM Module
- HB56R864ES-6B/7B/8B 8,388,608-word x 64-bit High Density DRAM Module
- HB56S864ES Series 8,388,608-word x 64-bit High Density DRAM Module
- HB56S864ESN-6B/7B/8B 8,388,608-word x 64-bit High Density DRAM Module
- HB56SW864ESN Series 8,388,608-word x 64-bit High Density DRAM Module
- HB56SW864ESN-6B/7B/8B 8,388,608-word x 64-bit High Density DRAM Module
- HB56UW865DB Series 8,388,608-word x 64-bit High Density DRAM Module
- HB56UW865EJN Series 8,388,608-word x 64-bit High Density DRAM Module



x72 DIMM Data Sheets

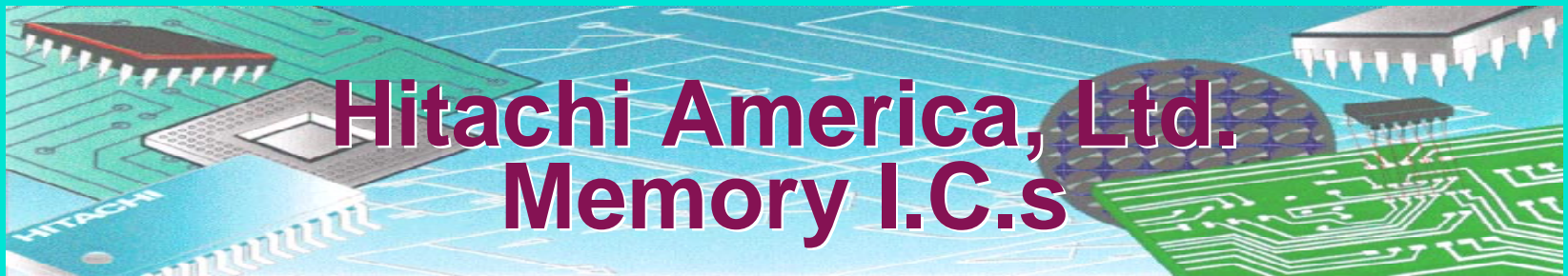
- HB56A172E Series 1,048,576-word x 72-bit High Density DRAM Module
- HB56D172EJ Series 1,048,576-word x 72-bit High Density DRAM Module
- HB56A272E Series 2,097,152-word x 72-bit High Density DRAM Module
- HB56AW272E Series 2,097,152-word x 72-bit High Density DRAM Module
- HB56U272E-6B/7B/8B 2,097,152-word x 72-bit High Density DRAM Module
- HB56UW272E-6B/7B/8B 2,097,152-word x 72-bit High Density DRAM Module
- HB56UW272E-7B/8B Series 2,097,152-word x 72-bit High Density DRAM Module
- HB56UW272EJN-6B/7B 2,097,152-word x 72-bit High Density DRAM Module
- HB56AW472E Series 4,194,304-word x 72-bit High Density DRAM Module
- HB56D473EJ Series 4,194,304-word x 72-bit High Density DRAM Module
- HB56U472E-6B/7B/8B 4,194,304-word x 72-bit High Density DRAM Module
- HB56UW472E-6B/7B/8B 4,194,304 word x 72-bit High Density DRAM Module
- HB56UW472EJN-6B/7B 4,194,304-word x 72-bit High Density DRAM Module
- HB56UW473EJN-6B/7B 4,194,304-word x 72-bit High Density DRAM Module

[More x72 DIMM data sheets](#)



x72 DIMM Data Sheets (Continued)

- HB56R872ES Series 8,388,608-word x 72-bit (ECC) High Density DRAM Module
- HB56RW872ES Series 8,388,608-word x 72-bit (ECC) High Density DRAM Module
- HB56S872ES Series 8,388,608-word x 72-bit High Density DRAM Module
- HB56S872ESN-6B/7B/8B 8,388,608-word x 72-bit High Density DRAM Module
- HB56SW872ES Series 8,388,608-word x 72-bit High Density DRAM Module
- HB56SW872ESN-6B/7B/8B 8,338,608 -word x 72-bit High Density DRAM Module
- HB56UW873E-6A/7A 8,388,608-word x 72-bit High Density DRAM Module
- HB56UW1672E Series 16,777,216-word x 72-bit High Density DRAM Module
- HB56UW1673E-6A/7A 16,777,216-word x 72-bit High Density DRAM Module
- HB56UW1673EJN Series HB56UW1665EJN Series 16,777,216-word x 72-bit High Density DRAM Module, 16,777,216-word x 64-bit High Density DRAM Module
- HB56UW3273 Series 33,554,432-word x 72-bit High Density DRAM Module



Graphics Memory

Data Sheet

Synchronous Graphics RAM

- HM5283206 Series 131,072-word x 32-bit x 2-bank Synchronous Graphic RAM

Graphics Memory Update



Hitachi America, Ltd. Memory I.C.s

SRAMs

Data Sheets

Synchronous Cache SRAMs

High Speed Asynchronous SRAMs

Medium Speed, Byte-wide SRAMs

News Releases

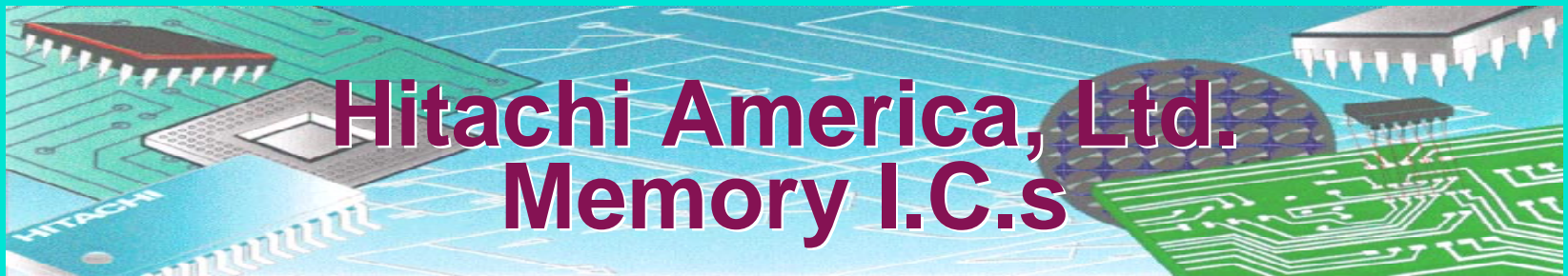
SRAM Update



Hitachi America, Ltd. Memory I.C.s

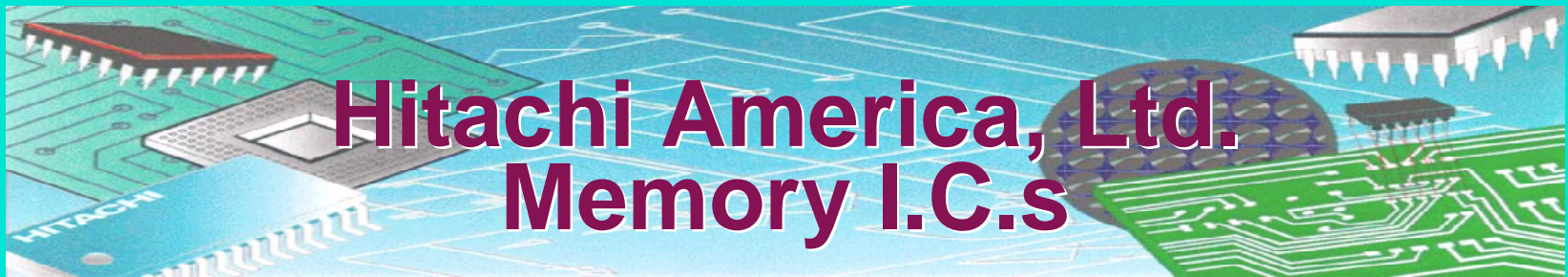
SRAM News Releases

- 1/29/96 - Hitachi Supplies SRAM Bare Dice to MicroModule Systems for New Notebook CPU Initiative
- 9/4/95 - Hitachi's 6ns, 1Mbit (32Kx36) Synchronous SRAM Supports High-End Workstation Designs That Have CPUs Running at 167MHz Clock Speeds
- 7/31/95 - Hitachi's 1Mbit Burst Mode SRAM Offers Zero-Wait-State Performance at 6MHz, Allowing 2-Chip, 256KByte Secondary Cache Memory Systems for PowerPC
- 3/13/95 - Hitachi's Synchronous Burst, Pipelined 1Mbit (32Kx32) SRAM Meets Industry Demand for Economical, Fast Cache Memory Devices for Pentium PCs
- 1/9/95 - Hitachi's 3.3V, 1Mbit Synchronous Burst Fast SRAMs Provide Economical Zero-Wait-State Cache Solutions for 66MHz Pentium - Based Systems



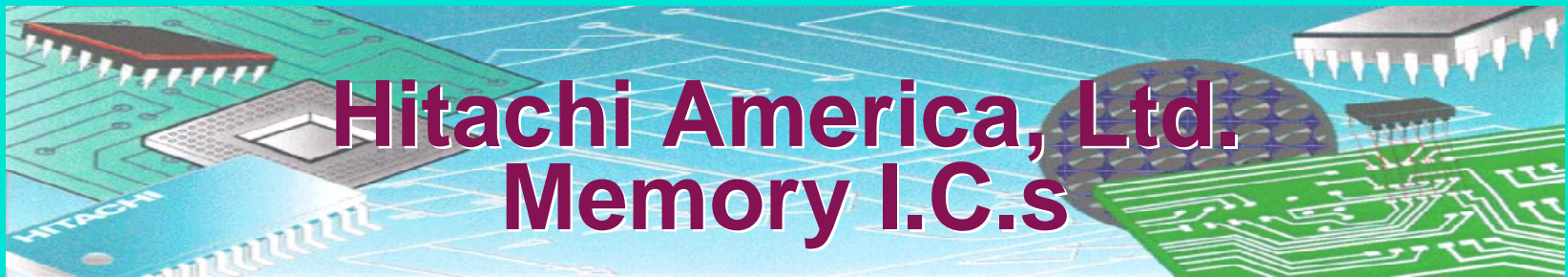
Synchronous Cache SRAM Data Sheets

- HM62D3232 Series 32,768-word x 32-bit Synchronous Fast SRAM
- HM67S18258 Series (Target Spec.) 262,144-word x 18-bit Synchronous Fast SRAM
- HM67S36130 Series (Target Spec.) 131,072-word x 36-bit Synchronous Fast SRAM



High Speed Asynchronous SRAM Data Sheets

- HM6207H Series 262,144-word x 1-bit High Speed CMOS SRAM
- HM62832H Series 32,768-word x 8-bit High Speed CMOS SRAM
- HM62832UH Series 32,768-word x 8-bit High Speed CMOS SRAM
- HM621100A Series 104,8576-word x 1-bit High Speed CMOS SRAM
- HM621664HB Series 65,536-word x 16-bit High Speed CMOS SRAM
- HM624256A Series 262,144-word x 4-bit High Speed CMOS SRAM
- HM628127HB Series 131,072-word x 8-bit High Speed CMOS SRAM
- HM629127H Series 131,072-word x 9-bit High Speed CMOS SRAM
- HM62W1664HB Series 65,536-word x 16-bit High Speed CMOS SRAM
- HM62W8127H Series HM62W9127H Series 131,072-word x 8/9-bit High Speed CMOS SRAM
- HM62W8127HB Series 131,072-word x 8-bit High Speed CMOS SRAM
- HM671400H Series 4,194,304-word x 1-bit High Speed CMOS SRAM
- HM674100H Series 1,048,576-word x 4-bit High Speed SRAM



Medium Speed, Byte-wide SRAM Data Sheets

- HM6264B Series 8,192-word x 8-bit High Speed CMOS SRAM
- HM6264BI Series 8,192-word x 8-bit High Speed CMOS SRAM
- HM9264B Series 8,192-word x 8-bit High Speed CMOS SRAM
- HM62256B Series 32,768-word x 8-bit High Speed CMOS SRAM
- HM62V256 Series 32,768-word x 8-bit Low Voltage Operation CMOS SRAM
- HM62W256 Series 32,768-word x 8-bit Low Voltage Operation CMOS SRAM
- HM62864 Series 65,536-word x 8-bit High Speed CMOS SRAM
- HM62W864 Series 65,536-word x 8-bit Low Voltage Operation CMOS SRAM
- HM628128B Series 131,072-word x 8-bit High Speed CMOS SRAM
- HM62V8128B Series 131,072-word x 8-bit High Speed CMOS SRAM
- HM62W8128B-SR Series 131,072-word x 8-bit High Speed CMOS SRAM
- HM628512A Series 524,288-word x 8-bit High Speed CMOS SRAM
- HM62V8512A Series 524,288-word x 8-bit High Speed CMOS SRAM
- HM62W8512A Series 524,288-word x 8-bit High Speed CMOS SRAM

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Hitachi America, Ltd. Memory I.C.s

Nonvolatile Memory

Data Sheets

Ferroelectric RAM

Flash Memory

ATA Flash Cards

EEPROMs

Mask ROMs

News Releases

Technology Partner Articles

- 11/96 - 256-Kbit FRAM® Device Combines High Speed of SRAM and DRAM with Nonvolatility of ROM
- 11/96 - Market and Technology Trends in Nonvolatile Memory Devices
- 9/96 - 64Mbit Flash Enables Cost-Effective Serial Access Flash Memory Cards

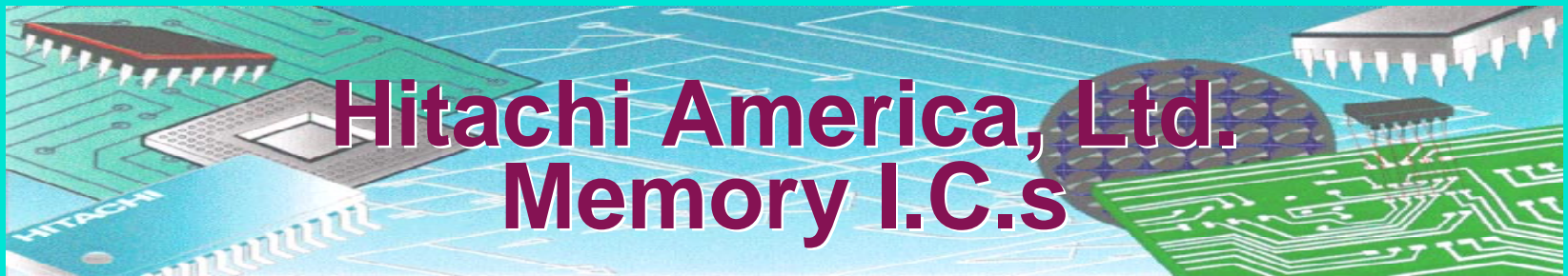
Nonvolatile Memory Update



Hitachi America, Ltd. Memory I.C.s

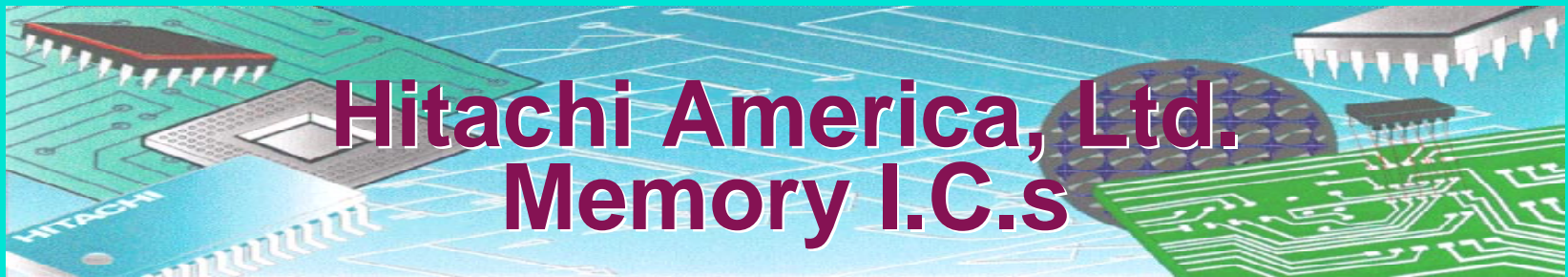
Nonvolatile Memory News Releases

- 11/11/96 - Hitachi and SanDisk Announce Plans to Jointly Promote CompactFlash and Increase Supply of CompactFlash Cards
- 11/11/96 - Hitachi's 2-, 4-, and 15-MByte CompactFlash™ PC Cards Simplify System Designs, Have up to 8-MByte/s I/O Rates
- 9/30/96 - Hitachi's 256Kbit FRAM® Device Combines the High Speed of SRAM and DRAM with the Nonvolatility of ROM, Creating the Industry's First Ideal Memory Device
- 9/16/96 - Hitachi's Industry-First 64Mbit Flash Enables Cost-Effective Serial Access Flash Memory Cards
- 9/16/96 - Hitachi's 75MByte ATA PC Cards Add Significant Momentum to Standards for Solid-State, Nonvolatile, Removable Mass Data Storage
- 9/16/96 - Hitachi's 8Mbit DINOR Flash Memory Devices Offer Fastest Random Access at 3.3V (80ns), Allowing Enhanced Wireless and Other Portable Systems
- 7/24/95 - Hitachi's 256Kbit EEPROMs Have the Industry's Fastest Low Voltage Access Time - 120ns - for Excellent Read Performance



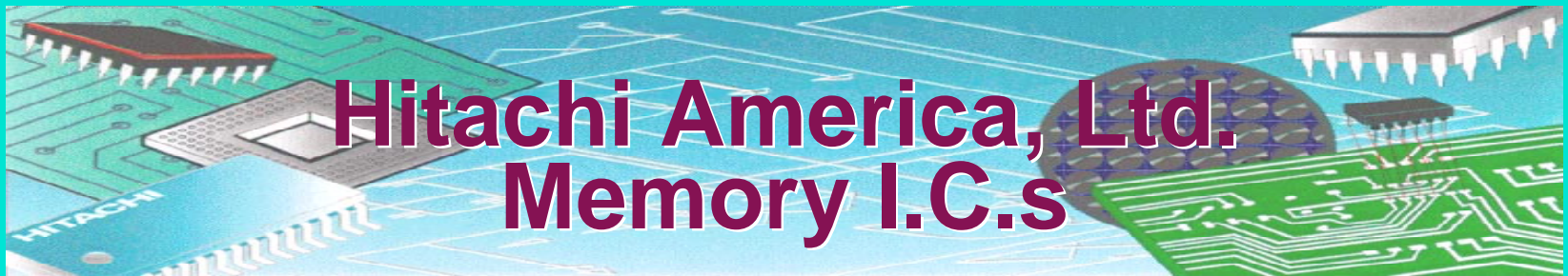
Ferroelectric RAM Data Sheet

- HM71V832 Series 32,768-word x 8-bit Nonvolatile Ferroelectric RAM



Flash Memory Data Sheets

- HN29WT800 Series HN29WB800 Series 1,048,576-word x 8-bit / 524,288-word x 16-bit CMOS Flash Memory
- HN29W6411 Series More than 16,057 sectors (67,824,768 bits) CMOS AND Flash Memory



ATA Flash Card Data Sheets

- HB286075A1 Series 75Mega Byte Flash ATA Card
- HB286015C1 15 Mega Byte CompactFlash Card

A graphic illustration of various integrated circuits (chips) and printed circuit boards (PCBs) in shades of blue, green, and white. The text "Hitachi America, Ltd. Memory I.C.s" is overlaid in a bold, dark red font.

Hitachi America, Ltd. Memory I.C.s

EEPROM Data Sheets

- HN58C65 Series 8,192-word x 8-bit EEPROM
- HN58C66 Series 8,192-word x 8-bit EEPROM
- HN58C256 Series 32,768-word x 8-bit EEPROM
- HN58C256A, HN58C257A Series 32,768-word x 8-bit EEPROM
- HN58C257 Series 32,768-word x 8-bit EEPROM
- HN58V256A, 257A Series 32,768-word x 8-bit EEPROM
- HN58V257 Series 32,768-word x 8-bit EEPROM
- HN58C1001 Series 131,072-word x 8-bit EEPROM
- HN58V1001 Series 131,072-word x 8-bit EEPROM

The background of the slide features a collage of various integrated circuits (ICs) and printed circuit boards (PCBs) in shades of blue, green, and white. The text 'Hitachi America, Ltd. Memory I.C.s' is overlaid in a large, bold, purple font.

Hitachi America, Ltd. Memory I.C.s

Mask ROM Data Sheets

- HN62338B Series 1,048,576-word x 8-bit CMOS Mask Programmable ROM
- HN624316N Series High Speed and Burst (A0, A1 Burst) 1,048,576-word x 16-bit/2,097,152-word x 8-bit CMOS Mask Programmable ROM
- HN62448 Series 524,288-word x 16-bit/1,048,576-word x 8-bit CMOS Mask Programmable ROM
- HN62448N Series 524,288-word x 16-bit/1,048,576-word x 8-bit CMOS Mask Programmable ROM
- HN62W448N Series 524,288-word x 16-bit/1,048,576-word x 8-bit CMOS Mask Programmable ROM
- HN62454 Series 524,288-word x 8-bit/262,144-word x 16-bit CMOS Mask Programmable ROM
- HN62454B Series 262,144-word x 16-bit CMOS Mask Programmable ROM
- HN62454BN Series 262,144-word x 16-bit CMOS Mask Programmable ROM
- HN62454N Series 524,288-word x 8-bit 262,144-word x 16-bit CMOS Mask Programmable ROM
- HN62V454 Series 524,288-word x 8-bit/262,144-word x 16-bit CMOS Mask Programmable ROM
- HN62V454B Series 262,144-word x 16-bit CMOS Mask Programmable ROM
- HN62W454 Series 524,288-word x 8-bit/262,144-word x 16-bit CMOS Mask Programmable ROM
- HN62W454B Series 262,144-word x 16-bit CMOS Mask Programmable ROM
- HN624316 Series High Speed 1,048,576-word x 16-bit/2,097,152-word x 8-bit CMOS Mask Programmable ROM
- HN624416 Series 1,048,576-word x 16-bit/2,097,152-word x 8-bit CMOS Mask Programmable ROM
- HN624416N Series 1,048,576-word x 16-bit/2,097,152-word x 8-bit CMOS Mask Programmable ROM
- HN62W4416 Series 1,048,576-word x 16-bit/2,097,512-word x 8-bit CMOS Mask Programmable ROM



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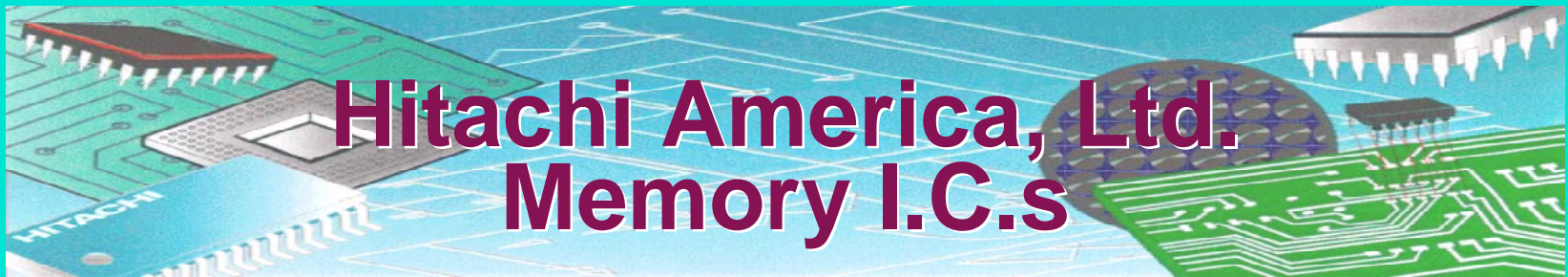
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