

---

# HB56A132 Series

1,048,576-word × 32-Bit High Density Dynamic RAM Module

# HITACHI

---

## Description

The HB56A132 is a 1 M × 32 dynamic RAM module, mounted 8 pieces of (4-Mbit) DRAM (HM514400CS/CLS) sealed in SOJ package. An outline of the HB56A132 is 72-pin single in-line package. Therefore, the HB56A132 makes high density mounting possible without surface mount technology. The HB56A132 provides common data inputs and outputs. Decoupling capacitors are mounted beneath each SOJ.

## Features

- 72-pin single in-line package
  - Lead pitch: 1.27 mm
- Single 5 V (± 5%) supply
- High speed
  - Access time: 60 ns/70 ns/80 ns (max)
- Low power dissipation
  - Active mode: 4.62W/4.20W/3.78W (max)
  - Standby mode: 84 mW (max)  
4.2 mW (max) (L-version)
- Fast page mode capability
- 1,024 refresh cycle: 16 ms  
128 ms (L-version)
- 2 variations of refresh
  - $\overline{\text{RAS}}$  only refresh
  - $\overline{\text{CAS}}$  before  $\overline{\text{RAS}}$  refresh
- TTL compatible

---

## HB56A132 Series

---

### Ordering Information

Type No.	Access time	Package	Contact pad
HB56A132BW-6C	60 ns	72-pin SIP socket type	gold
HB56A132BW-7C	70 ns		
HB56A132BW-8C	80 ns		
HB56A132BW-6CL	60 ns		
HB56A132BW-7CL	70 ns		
HB56A132BW-8CL	80 ns		
HB56A132BU-6C	60 ns		
HB56A132BU-7C	70 ns		
HB56A132BU-8C	80 ns		
HB56A132BU-6CL	60 ns		
HB56A132BU-7CL	70 ns		
HB56A132BU-8CL	80 ns		
HB56A132SBW-6C	60 ns	72-pin SIP socket type	solder
HB56A132SBW-7C	70 ns		
HB56A132SBW-8C	80 ns		
HB56A132SBW-6CL	60 ns		
HB56A132SBW-7CL	70 ns		
HB56A132SBW-8CL	80 ns		

---

Note: The specification of this device is subject to change without notice. Please contact your nearest Hitachi's Sales Dept. regarding specification.