

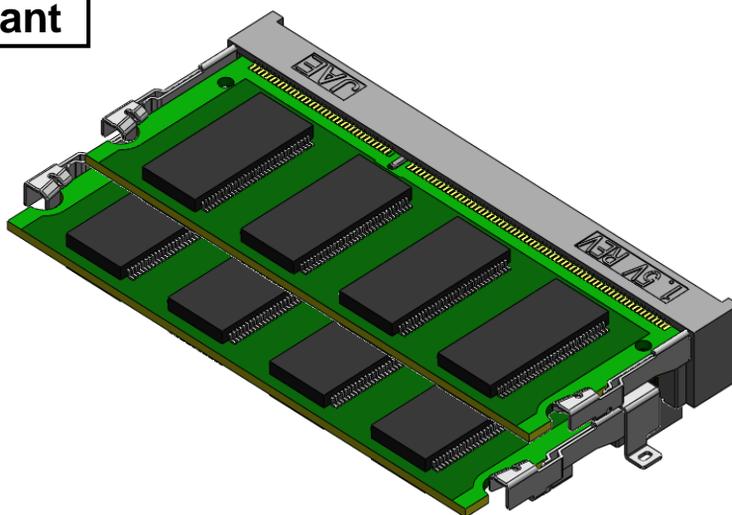
## DDR SDRAM SODIMM Connector

CONNECTOR

**MM80 Series**

MB-0213-2

Sep.2024

**RoHS Compliant**

The MM80 Series is a 204 position DDR3 SDRAM SODIMM\* socket which is compatible with the JEDEC MO-268C standard.

It is a highly reliable right-angle SMT type connector with a unique contact structure for improved contact force, a design that prevents incomplete mating by not locking unless the DIMM board is completely inserted, and stable contact achieved by assured positioning of the DIMM board.

\*DDR3: Double Data Rate 3

SDRAM: Synchronous Dynamic Random Access Memory

SODIMM: Small Outline Dual In-line Memory Module

Application

notebook PCs, other devices

**Features**

- DDR3 SDRAM SODIMM 204 pos. socket compatible with JEDEC standard MO-268C.
- Mis-mating prevention key is compatible with operation voltage 1.5V (DDR3).
- Right-angle SMT type available in connector height: 5.2mm.
- To meet system requirements, products compatible with reverse mounting are also available (5.2mm height).

### General Specifications

Number of Contacts	204 pos.
Contact Resistance	40mΩ max.
Dielectric Withstanding Voltage	AC500Vr.m.s. (per minute)
Contact Pitch	0.6mm
Operating Temperature Range	-55 deg. C to +105 deg. C
Rated Current	0.3A
Insulation Resistance	100MΩ min.
Durability	25 times
Applicable DIMM Board Thickness	1.0 ± 0.1mm

### Materials and Finishes

Component	Materials	Finishes
Metal Latch	Stainless	Sn plating
Insulator	Glass filled LCP	
Contact	Phosphor bronze	0.1μm min. Au plating over Ni (contact area) Au flash plating over Ni (terminal area)

Ordering Information

# MM80 - 204 B 1 - \* 1 R

Series : MM80

No. of Contacts: 204 pos.

Socket Type  
B: Latch Type SMT Mounting

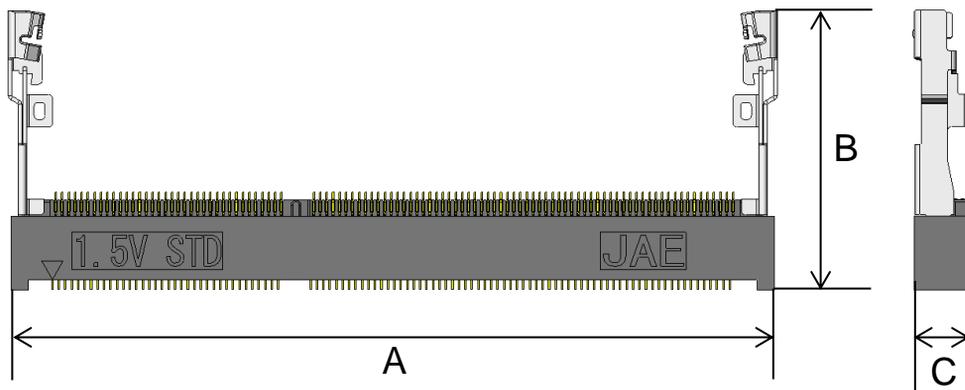
Key Type  
1: TYPE A (1.5V)

R: Reverse Mounting  
None: Standard Mounting

Contact Finish  
1: 0.1μm min. Au plating over Ni

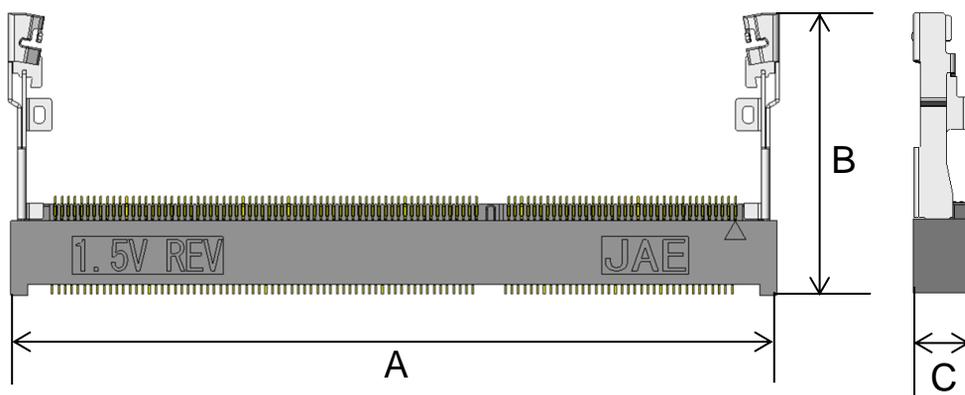
Modification Code  
None: Product Height 5.2mm, without boss

Outer Dimensions



Unit : mm

Part Number	A	B	C
MM80-204B1-1	71.0	25.9	5.2



Unit : mm

Part Number	A	B	C
MM80-204B1-1R	71.0	25.9	5.2

Part Numbers and Product Drawings
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Part Number	Product Height	Boss	Mounting Direction	Drawing Number	Specifications
MM80-204B1-1	5.2mm	No	Standard	SJ110291 (Individual Product)	JACS-10662-01
MM80-204B1-1-R350				SJ121052 (Reeled Product)	
MM80-204B1-1R			Reverse	SJ110255 (Individual Product)	
MM80-204B1-1R-R350				SJ121053 (Reeled Product)	

**Notice:**

1. The values specified in this brochure are only for reference. The products and their specifications are subject to change without notice. Contact our sales staff for further information before considering or ordering any of our products. For purchase, a product specification must be agreed upon.

2. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.

3. The products presented in this brochure are designed for the uses recommended below.

We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.

(1) Applications that require consultation:

(i) Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:

Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster prevention equipment, etc.

(ii) We may separately give you our support with a quality assurance program that you specify, when you think of a use such as :

Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

(2) Recommended applications include:

Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc.

**Japan Aviation Electronics Industry, Limited**

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