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

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 two connector heights: 5.2mm and 9.2mm.
- To meet system requirements, products compatible with reverse mounting are also available (5.2mm and 9.2mm height).

General Specifications
- No. of Contacts: 204 pos.
- Contact Resistance: 40mΩ max.
- Dielectric Withstanding Voltage: AC 500Vr.m.s (per minute)
- Contact Pitch: 0.6mm
- Operating Temperature: -55 to+105 Deg. C
- Rated Current: 0.3A
- Insulation Resistance: 100MΩ min.
- Durability: 25 mating cycles
- Applicable DIMM Board Thickness: 1.0 ± 0.1mm
## Materials and Finishes

<table>
<thead>
<tr>
<th>Component</th>
<th>Material / Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Latch</td>
<td>Stainless / Sn plating</td>
</tr>
<tr>
<td>Insulator</td>
<td>Glass filled LCP</td>
</tr>
</tbody>
</table>
| Contact | Contact area: Phosphor bronze / 0.1\(\mu\)m min. Au plating over Ni  
Terminal area: Phosphor bronze / Au flash plating over Ni |

## Ordering Information

### MM80 - 204 B 1 - * 1 R

- **Series**: B
- **No. of Contacts**: 204
- **Socket Type**: B: Latch Type SMT Mounting
- **Contact Finish**: 1: 0.1\(\mu\)m min. Au plating over Ni
- **Key Type**: 1: TYPE A (1.5V)
- **R**: Reverse Mounting
  - None: Standard Mounting
  - **Modification Code**: 
    - None: Product Height 5.2mm, without boss
    - E: Product Height 9.2mm, without boss

## Part Number and SJ Drawing Number

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Height</th>
<th>Boss</th>
<th>Mounting Direction</th>
<th>SJ Drawing</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>MM80-204B1-1</td>
<td>5.2</td>
<td>No</td>
<td>Standard</td>
<td>SJ110291</td>
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<tr>
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<td>SJ110255</td>
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<td>No</td>
<td>Standard</td>
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<td>No</td>
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<td>SJ110282</td>
<td>JACS-10662</td>
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</table>
MM80-204B1-1

Applicable P.C.B. Dimensions (for Reference)
MM80-204B1-1R

Applicable P.C.B. Dimensions (for Reference)
MM80-204B1-E1R

Applicable P.C.B. Dimensions (for Reference)
Applicable Dimensions of Module (For Reference)
Notice: Products shown in this brochure are made for the applications listed below. However, if the above-mentioned products are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for life-support systems, or any other specific application requiring extremely high reliability, please contact JAE for further information.

Recommended applications: Computers, Office machines, Measuring devices, Telecommunication devices (Terminals, Mobile devices), AV devices, Household applications, FA devices, etc.