For devices like notebook PCs, servers and fax machines, the data volume has recently been increasing due to the growing use of high-definition video and images. This has created a demand for higher capacity temporary storage memory in these devices.

To meet this demand, JAE has developed the “MM80 Series” socket connector for the high-capacity DDR3 SDRAM SODIMM, which is compatible with the MO-268C JEDEC standard. The MM80 Series is a highly reliable connector with secure positioning and stable response through use of an incomplete-insertion prevention structure that blocks the latch from locking if the memory module is not fully inserted.

(Note 1)DDR3: Double Data Rate 3  
SDRAM: Synchronous Dynamic Random Access Memory  
SODIMM: Small-Outline Dual Memory Module

:: Features

- 204 pin socket for DDR3 SDRAM SODIMM, compatible with JEDEC standard (MO-268C).
- Right-angle SMT type, connector height is available in two types: 5.2mm and 9.2mm. Reverse mounting type also available (heights: 5.2mm, 9.2mm).
- Structure prevents incomplete insertion by blocking the latch from locking if the memory module is not fully inserted.
- Incorrect-insertion prevention key operating voltage is DDR3 compatible 1.5V.
- Contact stability is improved with our unique contact structure.
:: Applicable market
Notebook PC, Desktop PC, Server, FAX, Copier, etc.

:: General specifications
1. Number of Contacts: 204 pos.
2. Contact Resistance: 40m ohm max.
3. Dielectric Withstanding Voltage: AC500Vr.m.s per minute
4. Contact Pitch: 0.6 mm
5. Operating Temperature: -55 Deg. C to 85 Deg. C
6. Rated Current: 0.3A per contact
7. Insulation Resistance: 100M ohm min.
8. Durability: 25 cycles
9. 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 steel (Sn plating)</td>
</tr>
<tr>
<td>Insulator</td>
<td>Glass filled LCP</td>
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</tbody>
</table>
| Contact     | Contact area, phosphor bronze (0.1µmmin. Au plating over Ni)  
              Terminal area, phosphor bronze (Au flash plating over Ni) |

>>MM80 part number list