The MM60 Series is a module socket compatible with the specifications defined by the PCI-SIG.

Features

- Compatible with the PCI Express Mini Card Electromechanical Specification and can be used for connecting with modules with PCI Express and USB communication.
- 76-contact socket is compatible with DMC (Display Mini Card).
- Retention latch part available to fix module to connector. Latch has mechanisms on both sides for module ejection.
- Two types of module mounting heights are available. Stand-off type allows components of under 1.8mm height to be placed below the module.
- Connector and latch are compatible with automatic mounting. Embossed tape packaging.

General Specifications

- No. of Contacts: 52 pos., 76 pos.
- Contact Resistance: 60mΩ max. (initial)
- Dielectric Withstanding Voltage: AC 300Vr.m.s (for 1 minute)
- Operating Temperature: -40 to +85 Deg. C
- Rated Current: 0.5A per pin
- Durability: 50 mating cycles
- Insertion Loss: -1dB min.(1.25GHz max.) / -5dB min.(3.75GHz max.)
- Return Loss: -12dB max.(1.3GHz max.) / -7dB max.(2GHz max.) / -4dB(3.75GHz max.)
- Crosstalk (Near End): -32dB max.(1.25GHz max.) / -26dB max.(3.75GHz max.)

RoHS Compliant
### Materials and Finishes

<table>
<thead>
<tr>
<th>Component</th>
<th>Material / Finish</th>
</tr>
</thead>
</table>
| Connector | Copper alloy / Contact area: Au plating over Ni  
Terminal area: Au flash over Ni |
| Contact   | Copper alloy / Sn plating |
| Insulator | Heat resistant material (UL94V-0) |
| Hold down | Copper alloy / Sn plating |
| Latch     | Stainless steel / Sn plating |
| Contact   | Stainless steel / Sn plating |
| Insulator | Heat resistant material (UL94V-0) |
| Nut       | Brass / Sn plating |

### Ordering Information

#### Connector

**MM60 - 52 B 1 - E 1**

- **Series**: MM60
- **No. of Contacts**: 52
- **Socket Type**: B
- **Contact Finish**: 1: Au plating (0.1um)
- **Height, Modification Code**: E, 1
- **Key Type**: With boss

#### Latch

**MM60 - EZ H059 - B 5**

- **Series**: MM60
- **Latch Type**: EZ
- **Applicable Connector Height**: H059
- **5: Sn plating**
- **With boss**

#### Combination

<table>
<thead>
<tr>
<th>Height 1</th>
<th>Connector</th>
<th>Latch</th>
<th>Nut</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MM60-52B1-G1</td>
<td>MM60-EZH039-B5</td>
<td>NT1</td>
</tr>
<tr>
<td></td>
<td>MM60-76B2-G1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height 2</td>
<td>MM60-52B1-E1</td>
<td>MM60-EZH059-B5</td>
<td>NT4</td>
</tr>
<tr>
<td>Height 3</td>
<td>MM60-52C2-R1</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>
Connector: MM60-52B1-G1 (SJ110608)
Embosed Tape Product: MM60-52B1-G1-R850 (SJ110634)

Latch: MM60-EZH039-B5 (SJ105217)
Embosed Tape Product: MM60-EZH039-B5-R850 (SJ105218)
Connector: MM60-52B1-E1 (SJ105219)
Embossed Tape Product: MM60-52B1-E*-R650 (SJ105220)

Latch: MM60-EZH059-B5 (SJ105221)
Embossed Tape Product: MM60-EZH059-B5-R650 (SJ105222)
Connector: MM60-76B2-G1 (SJ110638)
Embosed Tape Product: MM60-76B2-G1-R1000 (SJ110836)
Connector: MM60-52C2-R1 (SJ111356)

Embossed Tape Product: MM60-52C2-R1-R1200(SJ111357)
Latch: NT1 (SJ109548)
Embossed Tape Product: NT1R3000 (SJ109575)

Latch: NT4 (SJ110869)
Embossed Tape Product: NT4R1600 (SJ110870)
Applicable Module Dimensions (52 pos., for reference)
**Please refer to SJ drawing when considering this product**

**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.

* The specifications in this brochure are subject to change without notice. Please contact JAE for information.