Features

• A highly reliable waterproof compact connector developed for automotive airbags.
• The connection of the contacts will be separated by the repulsion of the coil spring, if the connectors are not locked by a complete mating.
• Made waterproof by the seal ring rubber of the mating portion and grommet rubber on wire.
• Mating can be recognized by a clear click feeling by the mechanical lock.
• Malfunction due to static electricity will be prevented by the short contacts built-in the pin connector.
• The preset retainer detects incomplete mating.

General Specifications

• No. of contacts: 2, 4 pos.
• Contact resistance: 5m ohm max. (initial)
• Dielectric withstanding voltage: AC 1000 V (per minute)
• Operating temperature: -40 to+105 Deg. C
• Insulation resistance: 100M ohm min.
• Waterproof: 98kPa min. (initial)
• Applicable wire: AVSS0.5  AVSSC0.5f
                      AVSSX0.5f  TVSSX0.5f
### Materials and Finishes

<table>
<thead>
<tr>
<th>Products</th>
<th>Component</th>
<th>Materials</th>
<th>Finishes/Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Socket connector</td>
<td>Socket housing</td>
<td>30% GF PBT</td>
<td>Yellow</td>
</tr>
<tr>
<td></td>
<td>Slider</td>
<td>30% GF PBT</td>
<td>Black</td>
</tr>
<tr>
<td></td>
<td>Rear cover</td>
<td>30% GF PBT</td>
<td>2pos.: Black, 4pos.: Yellow</td>
</tr>
<tr>
<td></td>
<td>Coil spring</td>
<td>Stainless steel</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Seal ring</td>
<td>Silicon rubber</td>
<td>Green</td>
</tr>
<tr>
<td></td>
<td>Grommet</td>
<td>Silicon rubber</td>
<td>Green</td>
</tr>
<tr>
<td>Front cap</td>
<td>Front cap</td>
<td>30% GF PBT</td>
<td>Black</td>
</tr>
<tr>
<td>Pin connector</td>
<td>Pin housing</td>
<td>30% GF PBT</td>
<td>Yellow</td>
</tr>
<tr>
<td></td>
<td>Front retainer</td>
<td>30% GF PBT</td>
<td>Black</td>
</tr>
<tr>
<td></td>
<td>Rear cover</td>
<td>30% GF PBT</td>
<td>2pos.: Black, 4pos.: Yellow</td>
</tr>
<tr>
<td></td>
<td>Short contact</td>
<td>Copper alloy</td>
<td>Partially Au plating</td>
</tr>
<tr>
<td></td>
<td>Grommet</td>
<td>Silicon rubber</td>
<td>Green</td>
</tr>
<tr>
<td>Contact</td>
<td>Socket contact</td>
<td>High conductive material</td>
<td>Partially Au plating</td>
</tr>
<tr>
<td></td>
<td>Pin contact</td>
<td>High conductive material</td>
<td>Partially Au plating</td>
</tr>
</tbody>
</table>

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**Socket connector**
- Slider
- Rear cover
- Grommet
- Coil spring
- Socket housing
- Seal ring

**Front cap**
- Front cap

**Pin contact**
- Pin housing
- Front retainer
- Short contact
- Grommet
- Rear cover

**Socket contact**
- Pin contact
Outer Dimensions

(1) Socket Connector (MX36004SQ3) (4pos.)  
(SJ Drawing SJ101633)

For 2pos. (MX36002SQ3) only the rear cover(shape, color) will be different  
(SJ Drawing SJ101632)

Rear cover shape

Others: 2pos. Available in different key (MX36002SQ4)  
(SJ Drawing SJ102864)
(2) Pin connector (MX36004PQ3) (4pos.)
(SJ Drawing SJ101631)

For 2pos. (MX36002PQ3) only the rear cover(shape, color) will be different
(SJ Drawing SJ101630)

Others: 2pos. Available in different key (MX36002PQ4)
(SJ Drawing SJ102863)
(3) Front cap (MX36004XF3)
(SJ Drawing SJ102923) 2pos. and 4pos. in common

(4) Socket contact (M36S08K4Q3)
(SJ Drawing SJ102689)
(5) Pin contact (M36P08K4Q3)  
(SJ drawing SJ102691)

Crimping and Release tools

<table>
<thead>
<tr>
<th>Contact part number</th>
<th>Retainer release jig</th>
<th>Contact release jig</th>
<th>Semi automatic applicator</th>
<th>Automatic applicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>M36P08K4Q3</td>
<td>JT-MX36P-1</td>
<td>ET-MX36-1</td>
<td>350-MX36-2</td>
<td>350-MX36-3B</td>
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<tr>
<td>M36S08K4Q3</td>
<td>JT-MX36S-1</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Others

Specifications: JACS-10220
Instruction manual: JAHL-10220

Notice: Products shown in this leaflet 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.