The KR connector features a mounting height as low as 6.9mm (.272") and a thickness as thin as 4.8mm (.189") (for top entry type). It is suitable for interconnection of a wide range of electronic equipment such as VCRs, video cameras, car stereo systems and communication equipment.

**Specifications**

- **Current rating:** 1.0A AC, DC (AWG #26)
- **Voltage rating:** 100V AC, DC
- **Temperature range:** -25°C to +85°C (including temperature rise in applying electrical current)
- **Contact resistance:** Initial value/10mΩ max. After environmental testing/20mΩ max.
- **Insulation resistance:** 1,000MΩ min.
- **Withstanding voltage:** 800V AC/minute
- **Applicable wire:** UL1571, 1061 (Contact JST regarding other UL styles.)
  - AWG #28 to #26
  - Conductor/7 strands, tin-coated
  - Insulation O.D./0.9 to 1.0mm (.035" to .039")
  - (The standard applicable wire for connectors having 13 circuits or more is UL 1061.)
- **Applicable panel thickness:** 0.8 to 1.6mm (.031" to .063")
- *Contact JST for details.

**Standards**

- **Recognized E60389**
- **Certified LR20812**
- **R75088**
## KR CONNECTOR

### Receptacle

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Dimensions mm/in.</th>
<th>Qty / box</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWG #28 (green)</td>
<td>AWG #26 (natural/white)</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>2</td>
<td>02KR-8M</td>
<td>2.0 (.079)</td>
<td>8.0 (.315)</td>
</tr>
<tr>
<td>3</td>
<td>03KR-8M</td>
<td>4.0 (.157)</td>
<td>8.0 (.315)</td>
</tr>
<tr>
<td>4</td>
<td>04KR-8M</td>
<td>6.0 (.236)</td>
<td>10.0 (.394)</td>
</tr>
<tr>
<td>5</td>
<td>05KR-8M</td>
<td>8.0 (.315)</td>
<td>12.0 (.472)</td>
</tr>
<tr>
<td>6</td>
<td>06KR-8M</td>
<td>10.0 (.394)</td>
<td>14.0 (.551)</td>
</tr>
<tr>
<td>7</td>
<td>07KR-8M</td>
<td>12.0 (.472)</td>
<td>16.0 (.630)</td>
</tr>
<tr>
<td>8</td>
<td>08KR-8M</td>
<td>14.0 (.551)</td>
<td>18.0 (.709)</td>
</tr>
<tr>
<td>9</td>
<td>09KR-8M</td>
<td>16.0 (.630)</td>
<td>20.0 (.787)</td>
</tr>
<tr>
<td>10</td>
<td>10KR-8M</td>
<td>18.0 (.709)</td>
<td>22.0 (.866)</td>
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<tr>
<td>11</td>
<td>11KR-8M</td>
<td>20.0 (.787)</td>
<td>24.0 (.945)</td>
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<tr>
<td>12</td>
<td>12KR-8M</td>
<td>22.0 (.866)</td>
<td>26.0 (1.024)</td>
</tr>
<tr>
<td>13</td>
<td>13KR-8M</td>
<td>24.0 (.945)</td>
<td>28.0 (1.102)</td>
</tr>
<tr>
<td>14</td>
<td>14KR-8M</td>
<td>26.0 (1.024)</td>
<td>30.0 (1.181)</td>
</tr>
<tr>
<td>15</td>
<td>15KR-8M</td>
<td>28.0 (1.102)</td>
<td>32.0 (1.260)</td>
</tr>
<tr>
<td>16</td>
<td>16KR-8M</td>
<td>30.0 (1.181)</td>
<td>34.0 (1.339)</td>
</tr>
</tbody>
</table>

### Material and Finish

- Contact: Phosphor bronze, copper-undercoated, tin/lead-plated
- Housing: 2 to 12 circuits/Nylon 66, UL94V-0
- 13 to 16 circuits/Glass-filled nylon 66, UL94V-0

### Through-hole type shrouded header

The shrouded headers are interchangeable with those of the PH crimp style connectors and with KR and CR insulation displacement connectors.

### Through-hole type PC board layout (viewed from soldering side) and Assembly layout ———

#### Top entry type

![Top entry type diagram]

#### Side entry type

![Side entry type diagram]

**Note:**
1. Tolerances are non-cumulative: ±0.05mm(±0.002") for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method. If PC board are made of hard material such as FR-4 are used, the hole dimensions should be larger. The hole dimensions above should serve as a guideline.

Contact JST for details.

### SMT type shrouded header

The shrouded headers are interchangeable with those of the PH crimp style connectors and CR and KRD insulation displacement connectors.

### SMT type PC board layout (viewed from component side) and Assembly layout ———

#### Top entry type

![Top entry type diagram]

#### Side entry type

![Side entry type diagram]