The ARJM11 series of RJ45 jacks with internal magnetics supports a wide range of configurations in 10/100Base-T, 1000Base-T, 2.5GBase-T or 5GBase-T applications. This series offers the ability to mix and match physical orientation of the tab, pin layouts, EMI fingers, LED colors and plating options while providing PoE and PoE+ options for 10/100Base-T rates. All configurations in the product series support paste-in-hole (PIH), a technology that allows through-hole components to be compatible with surface mount reflow assembly processes. All devices are rated to 0°C to 70°C or -40°C to 85°C operating temperature range.

Features

- Broad set of configurations
- Low MOQ — 700pcs
- Supports 10/100Base-T, 1000Base-T, 2.5GBase-T or 5GBase-T
- Supports PoE and PoE+ (10/100Base-T)
- Compatible with surface mount with Paste-in-hole (PIH) technology
- -40°C to 85°C or 0°C to 70°C operating temperature range
- Combinations of green, yellow, orange, and red LED

Applications

- Internet of Things (Ethernet)
- IP Cameras, Surveillance, and Phone
- Access Points
- Industrial Computers
- Network Interface Cards (NIC)
- Industrial Process Control
- Networking and Communications
- Broadcast Video
- Storage
- Set Top Box and Video
- Power Over Ethernet (PoE)
- Test and Measurement
- Multifunction Printers (MFP)

<table>
<thead>
<tr>
<th>Manufacturer Part Number</th>
<th>Applications</th>
<th>Orientation</th>
<th>Height Above Board</th>
<th>LED Color</th>
<th># of Cores per Jack</th>
<th>Shielding</th>
<th>Tab Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARJM11C7-502-AB-EW2</td>
<td>10/100/1000 Base-T, AutoMDIX</td>
<td>90° Angle (Right)</td>
<td>0.543(\text{mm})</td>
<td>Left: Green, Right: Yellow</td>
<td>8</td>
<td>Shielded, EMI Finger</td>
<td>Up</td>
</tr>
<tr>
<td>ARJM11D7-104-NN-EW2</td>
<td>10/100 Base-T, AutoMDIX, Power over Ethernet (PoE)</td>
<td>90° Angle (Right)</td>
<td>0.543(\text{mm})</td>
<td>Does Not Contain LED</td>
<td>4</td>
<td>Shielded</td>
<td>Up</td>
</tr>
<tr>
<td>ARJM11D7-114-NN-EW2</td>
<td>10/100 Base-T, AutoMDIX, Power over Ethernet (PoE)</td>
<td>90° Angle (Right)</td>
<td>0.543(\text{mm})</td>
<td>Does Not Contain LED</td>
<td>4</td>
<td>Shielded</td>
<td>Up</td>
</tr>
<tr>
<td>ARJM11B1-805-AB-EW2</td>
<td>2.5GBase-T, AutoMDIX</td>
<td>90° Angle (Right)</td>
<td>0.536(\text{mm})</td>
<td>Left: Green, Right: Yellow</td>
<td>8</td>
<td>Shielded</td>
<td>Down</td>
</tr>
<tr>
<td>ARJM11C7-809-NN-EW2</td>
<td>2.5GBase-T, AutoMDIX</td>
<td>90° Angle (Right)</td>
<td>0.543(\text{mm})</td>
<td>Does Not Contain LED</td>
<td>8</td>
<td>Shielded, EMI Finger</td>
<td>Up</td>
</tr>
<tr>
<td>ARJM11D7-811-KK-ER4-T</td>
<td>5GBase-T, AutoMDIX</td>
<td>90° Angle (Right) Through Hole</td>
<td>0.543(\text{mm})</td>
<td>Left: Orange - Yellow, Right: Orange - Yellow</td>
<td>8</td>
<td>Shielded PIH reflow compatible</td>
<td>Up</td>
</tr>
</tbody>
</table>