Considering about the luminescence property of LED package, this LEN connector is designed as low profile type connector for LED lighting. In consideration of connector mating operation to the LED mounting PCB that is integrated in the equipment, side-feed mechanism that provides to enable mating the connector from above is adopted, and secure lock that considered handling and mechanism for preventing wrong insertion are provided.

- Low profile design
  Mounting height at connector mounting side: 3mm
- Secure locking mechanism
- Mechanism for preventing wrong insertion
- Halogen-free and RoHS compliant

**Specifications**

- Current rating: 3 A AC, DC (AWG #22)
- Voltage rating: 300 V AC, DC
- Temperature range: -55°C to +105°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/10 mΩ max.
  After environmental tests/20 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage: 1,700 VAC/minute
- Applicable wire: Conductor size/ AWG #26 to #22
  Insulation O.D./0.95 to 1.7 mm

* Refer to “General Instruction and Notice when using Terminals and Connectors” at the end of this catalog.
* Contact JST for details.
* Compliant with RoHS.

**Table of product combinations**

<table>
<thead>
<tr>
<th>Key pattern</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Natural</td>
<td>Blue</td>
</tr>
<tr>
<td>Housing</td>
<td>Color</td>
<td>Natural</td>
</tr>
<tr>
<td>Model No.</td>
<td>LENR-(V-S-A(HF))</td>
<td>LENR-(V-E-B(HF))</td>
</tr>
<tr>
<td>Shrouded</td>
<td>Color</td>
<td>Natural</td>
</tr>
<tr>
<td>header</td>
<td>Model No.</td>
<td>BM; [B-LENE-TE-B(HF)]</td>
</tr>
</tbody>
</table>

**Standards**

- Recognized E 60389

**PC board layout and Assembly layout**

Note: 1. The figure on the left side is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ±0.05 mm for all centers.
3. The dimensions above should serve as a guideline. Contact JST for details.
Contact

Contact: Copper, copper-undercoated, tin-plated (reflow treatment)

Material and Finish

Copper alloy, tin-plated (reflow treatment)

RoHS compliance

Note: The products listed above are supplied on embossed-tape.

ex. LENR-02V-S-A(HF)
    S…natural E…blue

<For reference> As the color identification, the following alphabet shall be put in the underlined part.
For availability, delivery and minimum order quantity, contact JST.

<For reference> As the color identification, the following alphabet shall be put in the underlined part.
For availability, delivery and minimum order quantity, contact JST.

Housing

Material

Glass-filled PA 66, UL94V-0

RoHS compliance

Shrouded header

Material and Finish

Contact: Copper, copper-undercoated, tin-plated (reflow treatment)

Housing: PA 9T, UL94V-0

RoHS compliance

Note: The products listed above are supplied on embossed-tape.

ex. BM02B-LENSS-A-TB(HF)
    S…natural E…blue

<For reference> As the color identification, the following alphabet shall be put in the underlined part.
For availability, delivery and minimum order quantity, contact JST.

<For reference> As the color identification, the following alphabet shall be put in the underlined part.
For availability, delivery and minimum order quantity, contact JST.