Measuring 2.0 mm in pitch, only 5.0 mm in mounting height, and 4.8 mm in thickness, the DR connector is a compact insulation displacement connector developed to meet the needs for miniaturization of electronic equipment, including VCRs, cameras and car stereo systems.

**Features**

- **Compact**
  This connector measures 2.0 mm in pitch, 5.0 mm in mounting height, and 4.8 mm in thickness.

- **Twin U-slot insulation displacement section**
  The insulation displacement section connected to each wire consists of twin U-slot, which ensures reliable connection.

- **Folded beam double-leaf contact construction**
  As contact become smaller, their spring strength is reduced. To solve this problem, a folded beam construction is employed to increase contact spring strength.

- **Strain relief**
  A strain relief secures the wire insulation to protect the insulation displacement connection against vibration, impact and other external forces. A triangular projection on the shrouded header functions to prevent connector distortion during connection and disconnection, to reinforce the strain relief and to prevent the conductor of the insulation displacement section from being exposed.

**Specifications**

- **Current rating:** 1.0 A AC/DC (AWG #26)
- **Voltage rating:** 100 V AC/DC
- **Temperature range:** -25°C to +85°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 MQ min.
- **Withstanding voltage:** 800 VAC/minute
- **Applicable wire:** UL1571, 1061 (Contact JST for details regarding other UL wires.)
  - AWG #28, #26
  - Conductor/ 7 strands, tin-coated
  - Insulation O.D./ 0.9 to 1.0 mm
- **Applicable PC board thickness:** 1.2 to 1.6 mm

* In using the products, refer to “Handling Precautions for Terminals and Connectors” described on our website (Technical documents of Product information page).
* RoHS2 compliance
* Dimensional unit: mm
* Contact JST for details.

**Standards**

- Recognized E60389
- Certified LR20812
**DR CONNECTOR**

### Receptacle

Contact: Phosphor bronze, tin-plated (reflow treatment)

Housing: PA 66, UL94V-0

**RoHS2 compliance**

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

ex. 02DR-N-E8E-P

standard color AWG#28: E...blue  AWG#26: S...natural (white)

K...black  R...red

**PC board layout and Assembly layout**

Note: 1. The above figure is the figure viewed from soldering side.

2. Tolerances are non-cumulative: ±0.05 mm for all centers.

3. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.