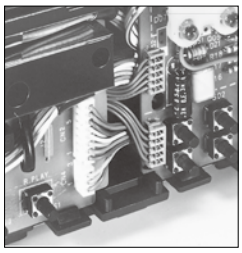
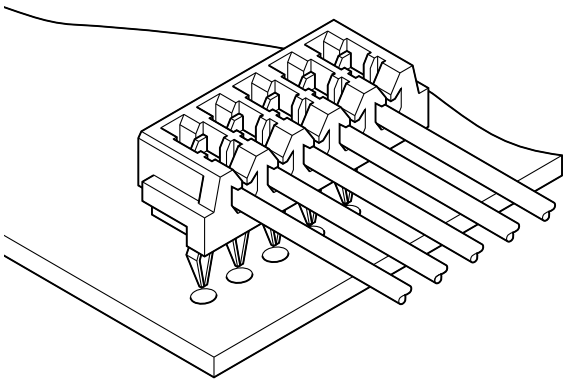


# DD/DS CONNECTOR

## 2.0 mm pitch/Board-in Insulation displacement connectors



The DD and DS right angle board-in insulation displacement connectors measure just 3.5 mm in mounting height and 4.3 mm in width. Since these right angle connectors are connected to wires running parallel to the printed circuit board, electronic equipment can have a lower profile. These connectors are suited for the high density wiring of electronic products.

- Compact and low profile
- Twin U-slot insulation displacement section
- Compliant locking solder tails
- Strain relief

## ■ Standards

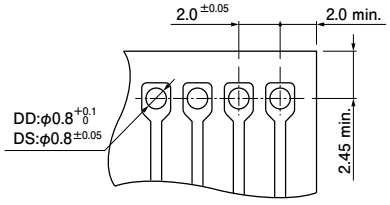
: Recognized E60389

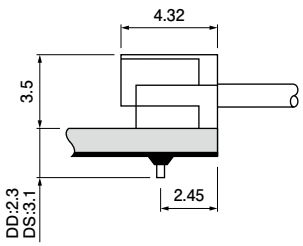
## ■ Specifications

- Current rating: 0.7 A AC/DC
- Voltage rating: 100 V AC/DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage: 800 VAC/minute
- Applicable wire: UL1571, 1061 (0Contact JST for diameters regarding other UL styles.)
  AWG #28
  Conductor/ 7 strands, tin-coated
  Insulation O.D./ 0.9 mm
- Applicable PC board thickness:
  DD connector: 0.8 mm, 1.0 mm
  DS connector: 1.2 mm, 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.

## PC board layout and Assembly layout



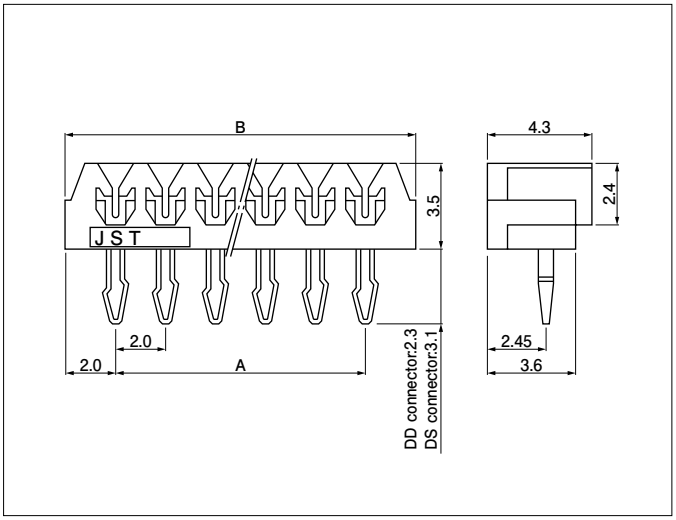




Note: 1. The above figure is the figure viewed from soldering side.
2. Tolerances are non-cumulative: ± 0.05mm for all centers.
3. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.
4. Pulling or otherwise putting a strain on the harness attached to the connector before the solder has completely cooled can dislodge the connector or cause its misalignment.
5. Do not reuse any connectors that were previously soldered to and then removed from a PC board.



Downloaded from Arrow.com.

## Connector

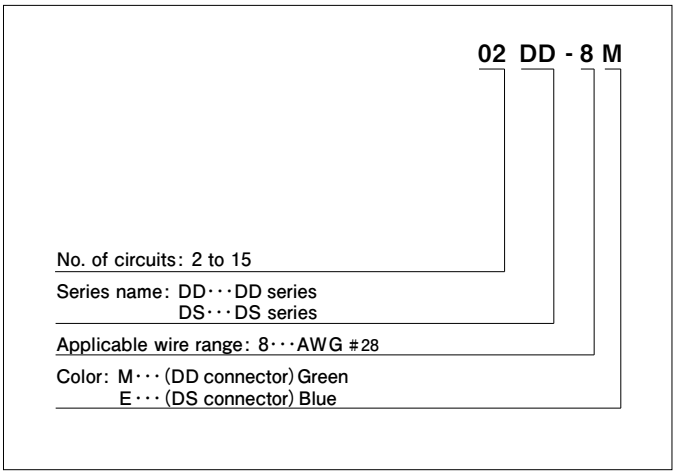



| No. of circuits | Model No. | | Dimensions (mm) | | Q'ty/ box |
|---|---|---|---|---|---|
| | DD connector AWG #28 (green) | DS connector AWG #28 (blue) | A | B | |
| 2 | 02DD-8M | 02DS-8E | 2.0 | 6.0 | 2,000 |
| 3 | 03DD-8M | 03DS-8E | 4.0 | 8.0 | 2,000 |
| 4 | 04DD-8M | 04DS-8E | 6.0 | 10.0 | 1,000 |
| 5 | 05DD-8M | 05DS-8E | 8.0 | 12.0 | 1,000 |
| 6 | 06DD-8M | 06DS-8E | 10.0 | 14.0 | 1,000 |
| 7 | 07DD-8M | 07DS-8E | 12.0 | 16.0 | 1,000 |
| 8 | 08DD-8M | 08DS-8E | 14.0 | 18.0 | 500 |
| 9 | 09DD-8M | 09DS-8E | 16.0 | 20.0 | 500 |
| 10 | 10DD-8M | 10DS-8E | 18.0 | 22.0 | 500 |
| 11 | 11DD-8M | 11DS-8E | 20.0 | 24.0 | 500 |
| 12 | 12DD-8M | 12DS-8E | 22.0 | 26.0 | 500 |
| 13 | 13DD-8M | 13DS-8E | 24.0 | 28.0 | 500 |
| 14 | 14DD-8M | 14DS-8E | 26.0 | 30.0 | 500 |
| 15 | 15DD-8M | 15DS-8E | 28.0 | 32.0 | 500 |

| Material and Finish |
|---|
| Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment)<br>Housing: 2 to 11 circuits/PA 66, UL94V-0<br>12 to 15 circuits/Glass-filled PA 66, UL94V-0 |

**RoHS2 compliance** This product displays (LF)(SN) on a label.

## Model number allocation






Downloaded from Arrow.com.