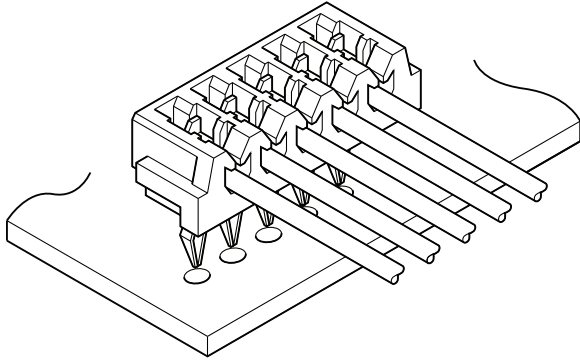


# DS CONNECTOR

2.0 mm pitch/Wire-to-Board connectors/Board-in IDC style



This is a board-in, side-feed, wire-to-board connector in 2.0 mm pitch for direct PCB mounting, allowing wires to exit parallel to the board. It features a low-profile design with a board mounting height matching the connector height at 3.5 mm. It contributes to achieving high-density mounting in electrical and electronic equipment.

- Side feed wire installation
- Low profile design with mounting height of 3.5 mm
- Twin U-slot type insulation displacement contact structure  
Highly reliable wire termination with insulation displacement connection
- Strain relief  
Designed to alleviate mechanical stress transmitted to the insulation displacement section of the wire.

## ■ Specifications

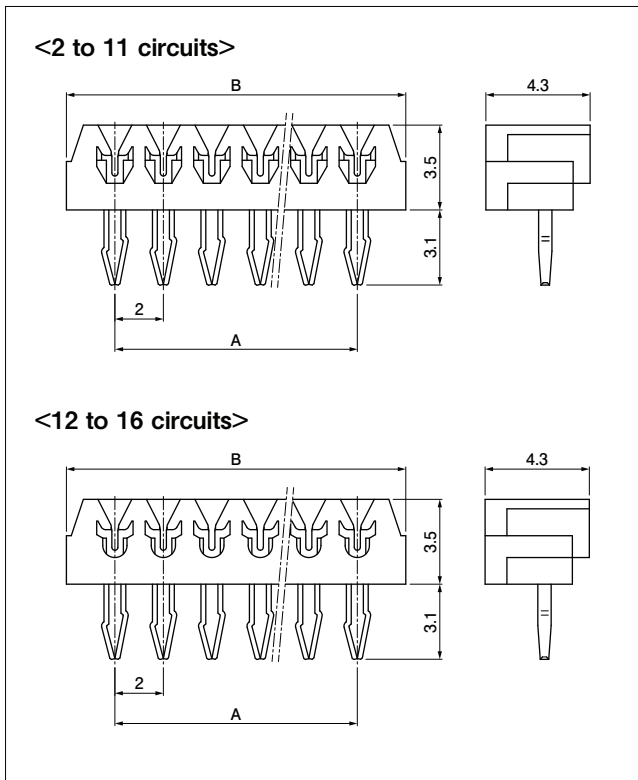
- Current rating: 0.7 A AC/DC
- Voltage rating: 100 V AC/DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage:  
There shall be no breakdown or flashover while applying 800 VAC for one minute.
- Applicable wire:  
UL style/ UL1571, UL1061  
Note 1: Please contact JST for details regarding the use of other UL style wires.  
Conductor size/ AWG #28  
Conductor construction/ 7-strand, tin-coated wire  
Insulation O.D./  $\phi$  0.9 mm to  $\phi$  1.0 mm
- Applicable PC board thickness: 1.2 mm, 1.6 mm
- \* Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the "Technical Documents" column on the Product Information page) before use.
- \* RoHS2 compliance
- \* Dimensional unit: mm
- \* Contact JST for details.

## ■ Standards

- For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).
- \* Specifications registered to overseas standards may differ from the general specifications listed above.

# DS CONNECTOR

## Connector



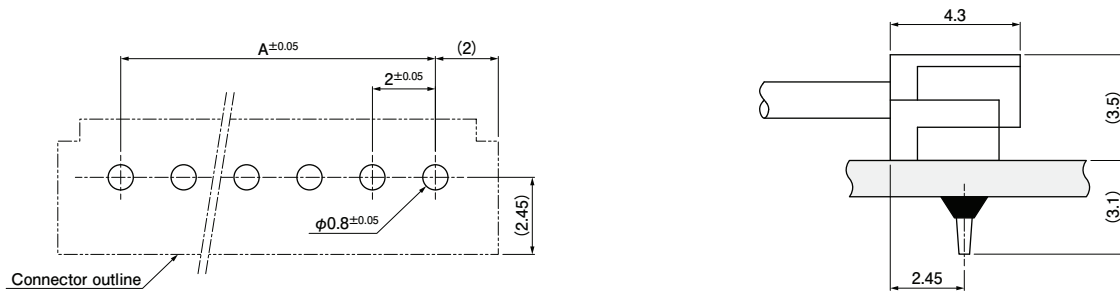
No. of circuits	Model No.	Dimensions (mm)		Q'ty/box
		A	B	
2	02DS-8E	2.0	6.0	2,000
3	03DS-8E	4.0	8.0	2,000
4	04DS-8E	6.0	10.0	1,000
5	05DS-8E	8.0	12.0	1,000
6	06DS-8E	10.0	14.0	1,000
7	07DS-8E	12.0	16.0	1,000
8	08DS-8E	14.0	18.0	500
9	09DS-8E	16.0	20.0	500
10	10DS-8E	18.0	22.0	500
11	11DS-8E	20.0	24.0	500
12	12DS-8E	22.0	26.0	250
13	13DS-8E	24.0	28.0	250
14	14DS-8E	26.0	30.0	250
15	15DS-8E	28.0	32.0	250
16	16DS-8E	30.0	34.0	250

Material and Surface finish, etc.

Contact: Copper alloy, tin-plated  
Housing: 2 to 11 circuits/ PA, blue  
12 to 16 circuits/ PA (GF), blue

- Note: 1. This product displays (LF) (SN) on a label.  
2. For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

## PC board layout and Assembly layout



- Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.  
2. Dimensions A: See "Connector" section on page 2.  
3. Tolerance for the PCB hole pitch shall be  $\pm 0.05$ , and shall not accumulate more than  $\pm 0.05$ .  
4. Hole dimensions differ depending on the type of PCB and PCB drilling method.  
The above dimensions are for reference only. Please contact JST for further details.  
5. Avoid applying tension to the wires during soldering or immediately after soldering while the connectors and wires are still under high temperature.  
6. Avoid reusing the connector once it has been removed from the PCB after soldering.

# DS CONNECTOR

## Model number allocation

### Connector

