



# MD CONNECTOR(SMT)

## Miniature circular connectors

- Front shielding construction
- Flange construction

### Specifications

#### Materials

Part name	Material and Finish
Contact	Copper alloy, nickel-undercoated, Mating part: selective gold-plated Solder tail; tin-plated (reflow treatment)
Housing	PPS, UL94V-0
Front shell	With flange: Steel, nickel-plated Without flange: Brass, nickel-plated
Metal fixture	Copper alloy, copper-undercoated, nickel-plated

#### Characteristics

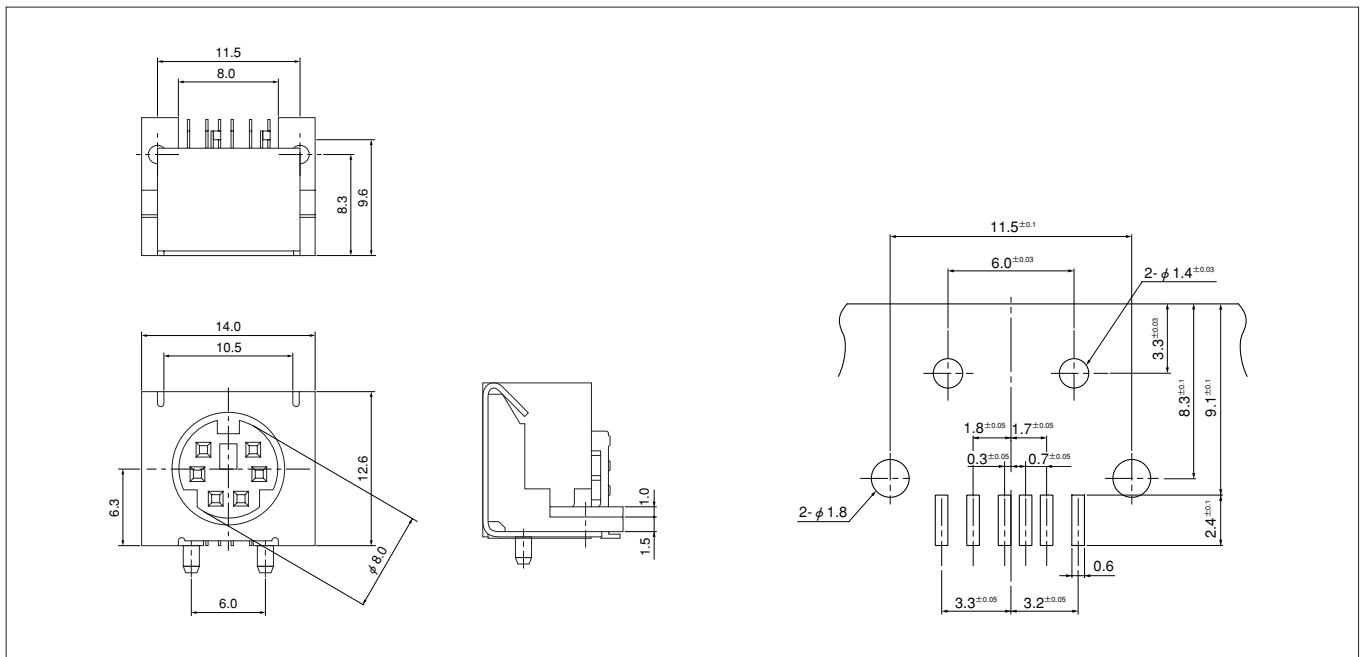
Current rating	1.0A, AC, DC
Voltage rating	125V, AC, DC
Temperature range	-40°C to +85°C (including temperature rise in applying electrical current)
Contact resistance	Initial value: 20mΩ max. After environmental testing: 30mΩ max.
Insulation resistance	500MΩ min.
Withstanding voltage	500V AC/minute

#### Model number identification

	MDS - S 6 3 30 - 11A 19 - 13
• Series name	MDS
• Product name: S ... Receptacle	S
• Circuits: 6	6
• Shielding cover: 3 ... With front shielding cover	3
• Flange: 00 ... Without flange 30 ... With flange	30
• Finish 19 ... 0.76micron gold-plated	19 - 13

- \* RoHS compliant products are published.
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.

### PC board layout (viewed from component side)



Cir-cuits	Flange	Model No.	Q'ty / box
6	without flange	<b>MDS-S6300-11A19 -14</b>	320

- Note: 1. Tolerances are non-cumulative:  $\pm 0.03\text{mm}$  for all centers.  
2. The dimensions above should serve as a guideline.  
Contact JST for details.

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