



# MD CONNECTOR(SMT)

## Miniature circular connectors

- Front shielding construction
- Flange construction

### Specifications

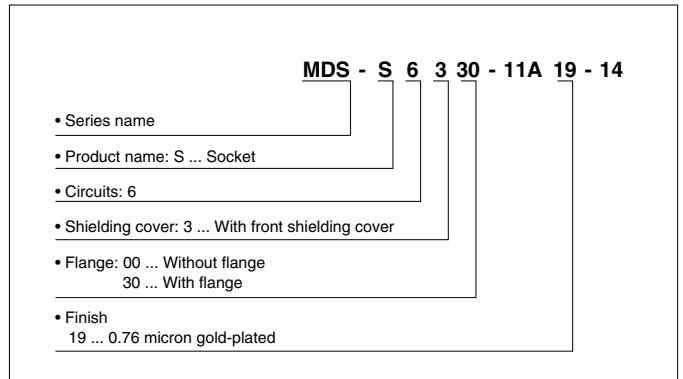
#### Materials

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

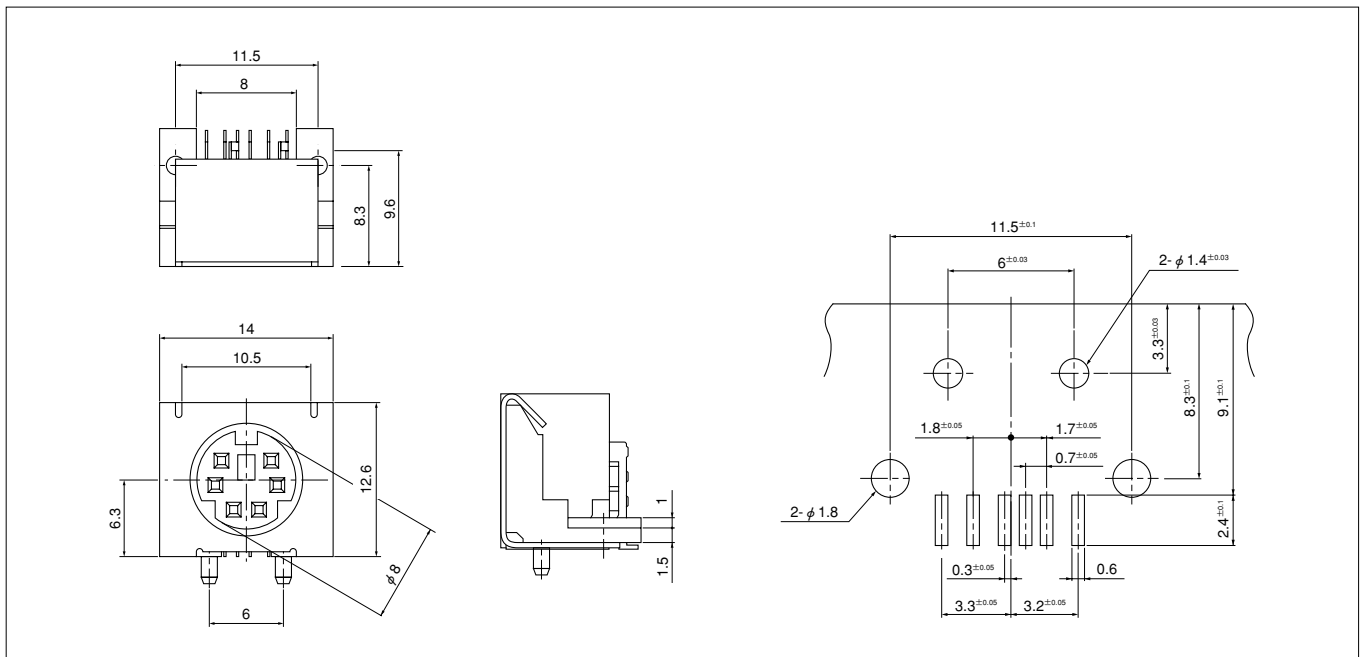
Current rating	1.0 A AC, DC
Voltage rating	125 V AC, DC
Temperature range	-40°C to +85°C (including temperature rise in applying electrical current)
Contact resistance	Initial value: 20 mΩ max. After environmental testing: 30 mΩ max.
Insulation resistance	500 MΩ min.
Withstanding voltage	500 VAC/minute

#### Model number identification



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

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



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

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

- Note: 1. Tolerances are non-cumulative: ±0.03 mm for all centers.  
2. The dimensions above should serve as a guideline.  
Contact JST for details.