

1. Scope

This specification covers the RJ11 connector series.

2. Ordering information

Refer to the drawing.

3. Connector dimensions

Refer to the drawing.

4. Material

Housing: PBT (UL 94V-0)

Color: Black

Terminal: Copper alloy

Plating: Gold plated

5. Accommodated P.C.B layout

Refer to the drawing.

6. Rating

Operating voltage(Max.) 125V AC/DC

Current rating(Max.) 1.5A AC/DC

Temperature range-operating -40°C -- +85°C(Including terminal temperature rese)

7. Performance

Test item	Requirement	Test Condition
Electrical Performance		
Contact Resistance	20mΩ Max.	Mate connectors: apply a maximum voltage of 20 mV and a current of 15 mA.
Insulation Resistance	500 MΩ Min.	Unmated connector, mounted to a PCB: apply a voltage of 500V DC between adjacent terminals and between terminals to ground.
Dielectric Strength	No breakdown and flashove	Mate connectors: apply a voltage of 1000V AC for 1 minute between adjacent terminals and between terminals to ground.

Test item	Requirement	Test Condition
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Mechanical Performance

Insertion force	0.75kgf Max.	Mate connector at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.
Durability	20mΩ Max.	Mate connectors up to 750 cycles at a maximum rate of 20 cycles per minute prior to environmental tests.

Environmental Performance and others

Solderability	Solder Wetting Visual: 95% of immersed area must show no voids, pin holes.	Dip solder tails in flux and immerse in solder bath at 230 ± 5 °C for 5 ± 0.5 seconds.
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