

Telecom Connector Specifications

PCB MODULAR JACK

SPECIFICATION

Electrical :

Current Rating	: 1.5 amps.
	: @70°C ambient
Voltage Rating	: 125 VAC.
Contact Resistance	: 35 milliohms max.
Insulation Resistance	: 500 megohms min.
Dielectric Withstanding Voltage	: 1000 VAC, RMS, 60 Hz, 1 min.
Capacitance	: 1.5pF max between adjacent contacts

MECHANICAL

Mating/Unmating Force	: 5 lbs. Max.
Durability	: 750 cycles min.

ENVIRONMENTAL

Operating Temperature	: -40°C to +125°C
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MATERIAL AND FINISH

Housing	: PBT & Nylon UL 94V-0 flammability rating
Contact	: 0.35mm phosphor bronze selective gold plating over nickel over tin 0.46mm phosphor bronze selecteve gold plating over nickel
Shield	: 0.25mm Brass Tin-Lead Plated

- Mates with modular plug conforming to FCC part 68

Westfield Electronics

(A Div of Westfield Distribution Ltd)

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Please note: due to technical progress, all designs, specifications, data sheets & components are subject to change without notice. All product information contained in this catalogue / data sheet is for information only – not specification. Pls call / fax / e mail for samples & full engineering drawings, Certificates of conformance issued if required. E&OE.

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SPECIFICATION

Electrical :	
Current Rating	- 2 Amp max.
Voltage Rating	- 250 VAC max.
Contact Resistance	- 30 m max ^W
Insulation Resistance	- 500 M min @100VAC between adjacent contacts (75°F and 50contacts (75% R.H.)
Dielectric Withstanding Voltage	: 1000 VAC min rms (sea level)
Capacitance	: 1.5pF max between adjacent contacts

MECHANICAL

Insertion Force - 2 Contacts	: 9.5 N, 4 Contacts : 19.5N,
	6 Contacts : 29.5 N, 8 Contacts : 39.5N,
	10 Contacts : 49.5 N.
Mating Durability	: 750 cycles min
Jack to PC Board Retention	: pre-solder - 1 lb min, Post-solder - 10 lb min

ENVIRONMENTAL

Operating temperature	: -65°C to +125°C
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■ ELECTRICAL TEST :

1. 125 volts AC, at 1.5 amps.
2. Dielectric Withstanding 500 volts AC.
3. Insulation Resistance : 500 megaohms.
4. Termination Resistance : 35 milliohms max. after environmental test.

■ MECHANICAL :

Cable to Plug tensile strength-20lbs (89N) min.
Durability : 250 mating cycles.

■ MATERIAL & FINISH :

Housing Material : Polycarbonate (PC) 94-V2

Contact Blade 1) High strength copper alloy [JIS C5191R-H(PBR-2)]
 2) Our electro-plating is based on 100 micro inches nickel

■ APPLICATIONS :

For Solid Wire & Stranded Wire.

■ OPERATING TEMPERATURE : -40°C to + 125°C

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