

FEATURES

- Through-hole D-Sub connector socket
- Right-angled
- 2.7 mm pitch
- Voltage rated at 250 V ac /rms 60Hz
- Current rated at 5 A
- Flanges for panel mounting
- Measures 66.9 mm x 4.1 mm x 15.3mm
- Minimum operating temperature of -55°C
- Maximum operating temperature of +125°C
- Contact resistance of 100 mΩ at 1 A dc
- Insulated with glass-filled thermoplastic PBT UL94V-0
- Insulation resistance of 1,000 megohms at 500 V dc

RS PRO 50 Way Right Angle Through Hole D-sub Connector Socket, 2.77mm Pitch

RS Stock No.: 528-3749



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Widely used in computer hardware and instrumentation, this 50-way D-Sub connector socket is ideal for making I/O (input/output) connections. It has a right-angled orientation for neat and robust panel installation.

The D-shaped, tin-plated steel shell provides a strong mechanical connection and ensures the plug is inserted the right way round. Gold-plated formed contacts ensure high-quality signal transmission. It's voltage-rated at 250 V and current-rated at 5 A, and will work in a range of temperatures from -55°C to +125°C. The shell provides good shielding of the signal from electromagnetic interference and tinned solder cup terminations make wiring easy.

General Specifications

Number Of Contacts	50
Gender	Female
Body Orientation	Right Angle
Mounting Type	Through Hole
Termination Method	Solder
Housing Material	Steel
Contact Material	Copper Alloy
Contact Plating	Gold over Nickel
Number Of Positions	50
Number Of Rows	3
Applications	Networking and communications equipment

Electrical Specifications

Current Rating	5A
Voltage Rating	250 VAC /rms 60Hz
Contact Resistance	100mΩ at 1A DC
Insulation Resistance	1000MΩ at 500 VDC
Dielectric Withstand Voltage	1000VAC/rms 60Hz for 1 minutes

Mechanical Specifications

Dimensions	66.9mm x 4.1mm x 15.35mm
Pitch	2.77mm
Length	66.9mm
Width	4.1mm
Depth	15.35mm
Shell	Steel, 100u" tin over 50u" min Nickel
Contact Type	Machine Pin

Operation Environment Specifications

Maximum Operating Temperature	125°C
Minimum Operating Temperature	-55°C

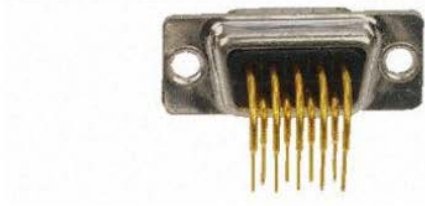
Protection Category

Material Flammability Rating	UL94 V-0
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Approvals

Compliance/Certifications	RoHS Compliant, ANSI/ESD S20.20:2014 and BS EN 61340-5-1:2007
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Dimensions: (mm)

Dimensions

Positions	A	B	C	D	E
9	30.81	24.99	16.92	16.33	19.20
15	39.14	33.32	25.50	24.66	27.70
25	53.04	47.04	38.96	38.38	41.10
37	69.32	63.50	55.42	54.84	57.30

