

## FEATURES

- IP67 rated, fully sealed
- 4.0 mm – 8.0 mm cable acceptance
- Temperature range - 40°C / + 80°C
- Field installable
- Rugged design
- RoHS Compliant

## RS PRO 9 Way Cable Mount D-sub Connector Socket

RS Stock No.: 122-3043



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

From the trusted RS Pro brand, a series of waterproof field installable D-Sub connectors. The IP67 cable mount connectors feature silicone cable end gaskets and EDPM rubber pads. The shell is manufactured from professional quality SPCC grade steel with a nickel plating. Contacts are formed from high grade copper alloy with a gold flash. These fully sealed solder bucket connectors are suited to applications where the prevention of dust and water ingress is essential. The range offers both male and female options with standard 9 way and 15 way high density layouts

### General Specifications

<b>Number Of Contacts</b>	9
<b>Gender</b>	Female
<b>Body Orientation</b>	Straight
<b>Mounting Type</b>	Cable Mount
<b>D Connector</b>	Waterproof D-Sub
<b>D-Sub Shell Size</b>	E
<b>Termination Method</b>	Solder
<b>Housing Material</b>	Thermoplastic
<b>Dimensions</b>	19.94x7.82x10.31mm
<b>Contact Material</b>	Copper Alloy
<b>Contact Plating</b>	Gold
<b>Application</b>	Networking and communications equipment; Data processing equipment; Sensors and data loggers; Industrial and medical equipment; Portable electric generation equipment; Aircraft and Spacecraft applications
<b>Performance Level</b>	1; 2 or 3
<b>Shock</b>	50G peak per MIL-STD-202, Method 213, Condition G
<b>Vibration</b>	12 cycles in three perpendicular directions @ 10-2000Hz, per MILSTD-202, Method 204, Condition D
<b>Moisture Resistance</b>	90-95% relative humidity @ 40°C for 96 hours per MIL-STD-202, Method 103
<b>Durability</b>	500 Mating Cycles
<b>Number Of Positions</b>	9
<b>Number Of Rows</b>	2
<b>Material Flammability Rating</b>	UL94 V-0

### Electrical Specifications

<b>Current Rating</b>	3.0A
<b>Voltage Rating</b>	250Vdc
<b>Contact Resistance</b>	$5 \times 10^3$ ohms
<b>Insulation Resistance</b>	$< 5 \times 10^5$ ohms
<b>Dielectric Withstand Voltage</b>	1000VAC/rms 60Hz for 1 minutes

**Mechanical Specifications**

<b>Pitch</b>	2.77mm
<b>Length</b>	40mm
<b>Width</b>	21mm
<b>Depth</b>	67.5mm
<b>Contact Size</b>	0.127μ
<b>Maximum Mating Force</b>	2.56kg
<b>Minimum Unmating Force</b>	0.13kg
<b>Wire Accommodation</b>	<0.5mm <sup>2</sup> (20AWG)
<b>Individual Contact</b>	170g Maximum Insertion; 14g Minimum Withdraw
<b>Clearance And Creepage Distance</b>	Contact-Contact > 1mm; Contact-Earth > 1.2mm

**Operation Environment Specifications**

<b>Maximum Operating Temperature</b>	135°C
<b>Minimum Operating Temperature</b>	-55°C

**Protection Category**

<b>Degree Of Protection</b>	IP 67
-----------------------------	-------

**Approvals**

<b>Compliance/Certifications</b>	CE / UR / cUR
----------------------------------	---------------



