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# Switcheraft

Sealed D-Sub



# Sealed D-Sub (IP-67)

## **Features & Benefits:**

- Waterproof D-Sub panel connectors and backshell kits meet IP67 rating.
- Rear mounting panel connectors fit into standard D-Sub holes.
- Connectors are available in solder cup, male and female versions.
- Gold plated contacts are standard.

- Backshell kits available for cable diameters 0.138 0.276 in (3.51- 7.01 mm).
- D-Sub solder cup contacts accepts wire ranges from 22-26 AWG.
- Panel mount connector comes with 2 mounting screws.
- RoHS compliant.

# **Applications:**

- Remote or temporary data control centers
- Manufacturing control equipment
- Marine

- Instrumentation for field data collection
- Medical field data collection

D-Sub Panel Mount Series	D-Sub	Gender	Termination Style	Panel
DCP	DB09 = 9 Pin. Standard HD15 = 15 Pin, High Density	M = Male F = Female	SC = Solder Cup	1 = 0.048 - 0.078 in [1.22 - 1.98 mm]

D-Sub Backshell Kit Series	D-Sub	Gender
DCC	DB09 = 9 Pin, Standard HD15 = 15 Pin, High Density	M = Male F = Female

D-Sub Connector Cap Series	Size	Style
DB	S = DB09 or HD15	CAP

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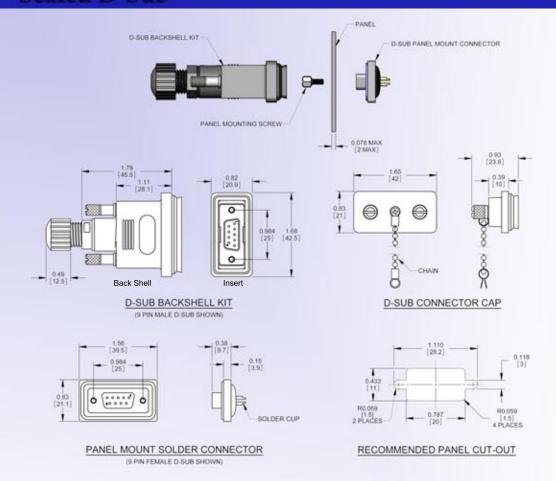
#### Switcheraft.com

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#### **Electrical Specifications**

#### Current Rating:

Standard D-Sub (9 contact) – 5A High Density D-Sub (15 contact) 2A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Contact Resistance:  $\leq 25 \text{m}\Omega$ 

Insulation Resistance:  $\geq 500 \mathrm{M}\Omega$  @  $500 \mathrm{V}$  DC

#### Mechanical Specifications

**Life:**  $\geq$  500 Cycles

#### **Environmental Specifications**

Operating Temperature: -55°C to 185°C

Thermal Shock: Meets MIL-STD 202G. Method 107G

Condition  ${\bf A}$ 

#### Ratings

IP Rating: IP67

### Material Specifications

#### D-Sub Backshell Kit

Housing, Clamp, & Nut: Thermoplastic, Black

**Insulator:** Thermoplastic (UL9 IV-0) **Gasket & Seal:** Silicone, Black

Shell: Steel, Tin Plated

Screw: Copper Alloy, Nickel Plated Contact Pins: Copper Alloy, Gold Plated

#### **D-Sub Panel Mount Connector**

Flange & Insulator: Thermoplastic (UL94V-0)

Shell: Steel, Tin Plated Epoxy: Epoxy, Black O-Ring: Silicone, Light Blue

O-Ring: Silicone, Light Blue Screw: Copper Alloy, Nickel Plated Contact Pin: Copper Alloy, Gold Plated

#### **D-Sub Connector Cap**

Body: Thermoplastic, Black Gasket & O-ring: Silicone, Black Screw: Copper Alloy, Nickel Plated

Chain: Stainless Steel

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