

Features

- Circular DC
- C1 size
- Panel Mount
- Pin 2.5mm Diameter
- Used in automotive, marine, solar, industrial.

RS PRO DC Power Connectors

RS Stock No.: 0707059



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

DC panel mounts are components used to securely connect and manage direct current (DC) power through panels or enclosures. They provide safe, organized access points for power distribution in systems such as vehicles, solar setups, and industrial equipment. Common types include DC jacks, USB ports, voltmeters, and switches. These mounts ensure stable connections, reduce wire strain, and simplify maintenance. In solar applications, they link panels to controllers or batteries, while in vehicles they power accessories like lights and radios. Their durability, ease of installation, and compatibility with standard devices make them essential for efficient DC power management.

General Specifications

Body Orientation	Straight
Contact Material	Copper Alloy
Housing Material	Thermoplastic
Contact Plating	Nickel
Contact Gender	Male (Pin)
Shield Option	Unshielded

Electrical Specifications

Current Rating	7.0A
Contact Resistance	50m Ω at 10mA Max.
Insulation Resistance	DC500V $\pm$ 10%, test for 1 minute and the insulation resistance should be more than 100M Ω
Dielectric Withstand	500 V DC/AC peak, contact-to-contact. for 1 minute.
Termination Style	Solder Screw

Mechanical Specifications

Recommended Panel Thickness	0.8–4.0mm
Pin Diameter	2.5mm

Mounting Type	Panel;
Wire AWG	17 – 20 AWG

Operation Environment Specifications

Maximum Operating Temperature	80 °C
Minimum Operating Temperature	-40 °C

Protection Category

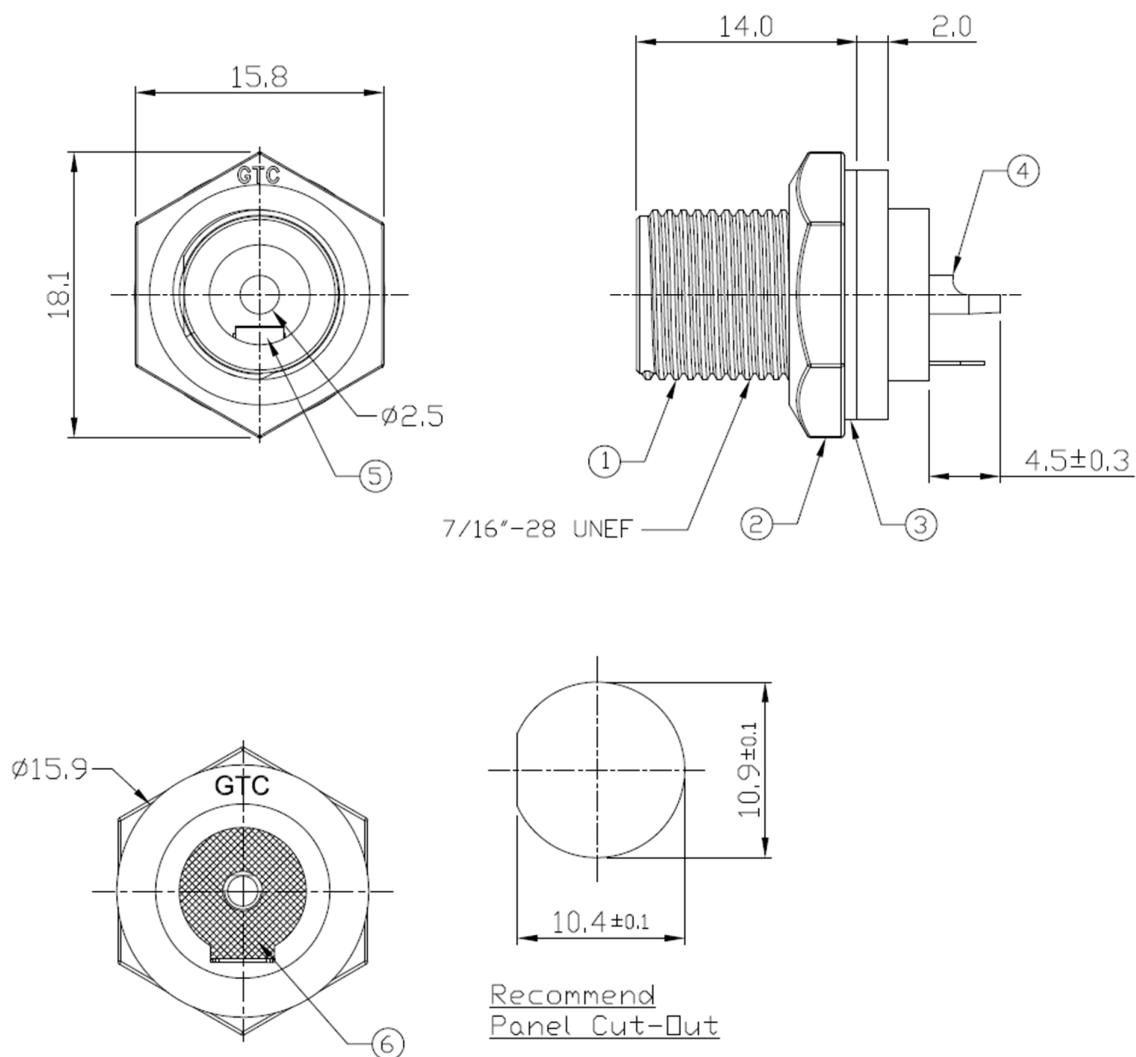
IP Rating	IP67
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Approvals

Compliance/Certifications	RoHS / REACH
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Mating Cap

Cap P/N	0707077
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6	Glue	Epoxy Color: Black	
5	Terminal	Copper Alloy Finish: Ni Plated	1
4	Contact	Copper Alloy Finish: Ni Plated	1
3	Gasket	Silicone Color: Black	1
2	Hex Nut	Thermoplastic Color: Black	1
1	Housing	Thermoplastic Color: Black	1
Item	Part Name	Material / Finish	Q'ty

Similar Products

Parameters	Stock#	Stock#	Stock#
Brand	RS PRO	RS PRO	RS PRO
RS Article Number	0707061	0707062	0707063
DC Power Connector Type	Field Installable	Panel Mount	Field Installable
Body Orientation	Straight	Straight	Straight
Housing Material	Thermoplastic	Thermoplastic	Thermoplastic
Current Rating	7.0A	3.0A	3.0A
Pin Diameter	2.5mm	2.0mm	2.0mm