

Switchcraft®

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STRAIGHT MINIATURE POWER JACKS

1. 712A
2. PC712A
3. 2C1072
4. L722A

[click here to download a schematic drawing](#)

(you will need to have Adobe Acrobat installed on your system to do this)



FEATURES

*2 conductor jack.

*Automatic switch over from AC to DC permitted by sleeve shunt spring.

*Split center pin shaped to hold mating plug firmly. (732A available in solid center pin only.)

*Choose solder lug or PC terminal. (732A not available in PC terminal.)

*Bushing length available as .219" or extended .319 to permit use in thicker panels. (732A not available in extended length.)

*L712A and PCL712A accept plugs with .475" long, 0.099" diameter sleeve.

*L722A and PCL722A accept plugs with .475" long, 0.08" diameter sleeve.

MOUNTING

Part Numbers 712A, 722A and 732A - Mounts in .313 inch diameter hole in panels up to .125 inches thick (maximum).

Part Numbers PC712A and PC722A - Same as 712A. See drawing for PC board layout.

Part Number 2C1072 - Jack covers for 712A, 722A and 732A - special order only.

For insulated mounting, two insulated washers are available on special order. Mounting hole diameter is .375 inches. See "Insulated Mounting" drawing.

Part Number P2442 - Phenolic flat washer.

Part Number S4263 - Swedged fiber washer.

SPECIFICATIONS

MECHANICAL

Life: 10,000 insertion/withdrawal cycles minimum.

Insertion/Withdrawal Forces: 3 pound insertion (maximum), 4 ounce minimum withdrawal.

Part Numbers 712A, PC712A, 722A, PC722A, 732A

ELECTRICAL

Contact Resistance: .01 ohms maximum (initial),

.02 ohms maximum (after humidity, durability exposure),

.1 ohms maximum (after salt spray).

Insulation Resistance: 10,000 M(ohm) minimum (initial),

1,000 M(ohm) minimum (after humidity, durability exposure).

Dielectric Withstanding Voltage: 500 V AC maximum.

Contact Rating: 5 A, 12 V DC. resistive.

MATERIAL

Housing: Molded plastic.

Mounting Bushing and Hex Nut: Plated copper alloy.

Pin, Spring and Terminals: Plated copper alloy.

Insulators: Rigid plastic.

Hardware: Supplied with one **Number P2439** nickel-plated brass hex nut, and one **Number P2441** nickel-plated steel flat washer.

Part Number	Description	Outside Diameter*	Typical Mating Plug**
712A	Solder lugs	0.1 inches (.097-.099)	760
PC712A	PC terminals		760K
L712A	Longer Bushing		761K
722A	Solder lugs	0.08 inches (.075-.077)	S760
PC722A	PC terminals		S760K
L722A	Longer Bushing		S761K
732A	Solder lugs	0.05 inches	860

* Center pin diameter.

** Other mating Plugs are available.

MM CONVERSIONS					
Series	Catalog Dimension	+ tol/-tol	Range	mm equivalent	Use
PC712A	0.156			3.9624	3.96
	0.150			3.81	3.81
	0.062			1.5748	1.57
	0.040			1.016	1.02
	0.406			10.3124	10.31
	0.216			5.4864	5.49
	0.446			11.3284	11.33
	0.46875			11.90625	11.90

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