

# Switchcraft®

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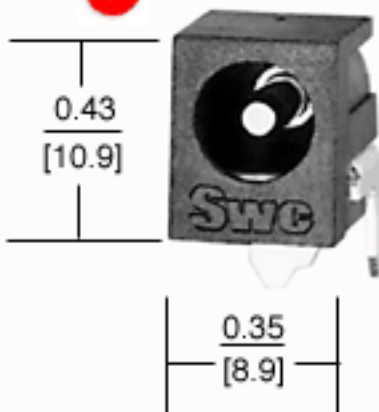
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# RIGHT ANGLE MINIATURE POWER JACKS

Shown above:

1. RASM 712
2. RASM 722
3. RASM 732P
4. RASH 722
5. RASH 732P (Front)
6. RASH 732 (Back)
7. RAPC 712

Also available, but not shown, are the RASH 712, RAPC 722 and RAPC 732.

click below to download customer drawings

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

1. [RASM 712](#)
2. [RASM 712P](#)
3. [RASM 722](#)
4. [RASM 722P](#)
5. [RASM 732](#)
6. [RASM 732P](#)
7. [RASH 712](#)
8. [RASH 712P](#)
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11. [RASH 732](#)
12. [RASH 732P](#)
13. [RAPC 712](#)
14. [RAPC 722](#)
15. [RAPC 732](#)



## FEATURES AND BENEFITS

\* 2-conductor jack.

- \* Right-angle power jack for PC mounting.
- \* Three center conductor pin diameters: .100", .080", and .050".
- \* Three termination styles, through hole, surface mount and hybrid (combination through hole and surface mount) which allows use of universal PC board.
- \* Heat resistant materials for high temperature soldering.
- \* Flat top aids automatic placement on PC boards.
- \* Sleeve/shunt spring functions as a built-in switch (eg. permits automatic switchover from AC to DC when plug is inserted or withdrawn).
- \* Also available with optional post which secures the jack to the PC board during insertion and withdrawal.

## **APPLICATIONS**

- \* DC-powered hand held instrumentation
- \* Portable computers
- \* Cellular/portable phones
- \* Battery chargers
- \* External low voltage power supplies for instrumentation and more.

## **SPECIFICATIONS**

## **MATERIALS**

**Housing:** High grade thermoplastic UL 94V-O

**Center Pin:** Brass, nickel-plated

<b>Part Number</b>	<b>Materials</b>
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	<b>Terminals</b>	<b>Spring</b>
RAPC712 RAPC722 RAPC732	Brass, silver-plated	Copper- alloy, silver-plated
RASM712 RASM722 RASM732 RASH712 RASH722 RASH732	Brass, solder- plated	Copper- alloy, solder- plated

## **MECHANICAL**

**Life: 5,000 cycles minimum**

**Insertion Force: 5 lb. maximum**

**Withdrawal Force: 0.5 lb. minimum**

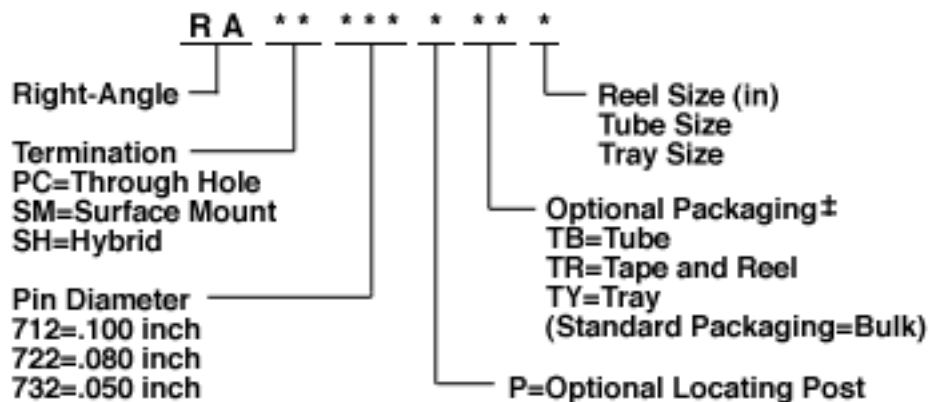
## **ELECTRICAL**

**Contact Resistance: 30 milliohms maximum**

**Insulation Resistance: 30 megohms @ 100V DC**

**Dielectric Withstanding Voltage: 250V AC for 1 minute**

**Current (carrying): 5 A**



Right Angle Power Jacks	Pin Size	Typical Mating Plug
RAPC712 RASH712 RASM712	.100"	760 Black Handle 765 Red Handle *ST765 or RA765 for molded cables
RAPC722 RASH722 RASM722	.080"	S760 Black Handle S765 Red Handle *ST760 or RA760 for molded cables
RAPC732 RASH732 RASM732	.050"	860 Black Handle 865 Red Handle

See Engineering Design Guide for other power jacks and plugs.

\* Special order only, contact Switchcraft.

± Contact Factory.

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