



## Harsh Environment Connectivity Solutions

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### .141" Tini Jack

Tini-Jax® 2-conductor phone jacks, available in both open frame and enclosed style, mate with Switchcraft® Tini-Plug® phone plugs having .141 inch diameter fingers and compatible tip shape. For insulated mounting of open frame style, order two washers separately, Number S1564 (swedged fiber washer .312 inch diameter mounting hole) and number S2207 (flat phenolic washer).

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## SPECIFICATIONS

### Mechanical

- Life: 5,000 insertion/withdrawal cycles, minimum.

### Electrical

- Contact Resistance: .075 ohms maximum.
- Insulation Resistance: 5,000 M(ohm) minimum.
- Dielectric Withstanding Voltage: 250 V AC maximum.
- Contact Rating: .25A, 48 V DC.

### Material

- Mounting Bushing: Nickel-plated copper alloy.
- Insulating Spacers: Rigid plastic.
- Springs: Special copper alloy.
- Sleeve Terminal: Tin-plated copper alloy.
- Hardware: Supplied with one P11501 nickel-plated copper alloy locknut and one S17901 nickel-plated steel flat washer.

Part Number	Description	Jack Schematic	Typical Mating Plug
41	Open circuit	I	750
42A	Shunted (closed circuit)	III	750

43A	Special transfer circuit	Note 1	750
142AX	Shunted (closed circuit	III	750
PC142A	Shunted (closed circuit)	III	750
<sup>1</sup> When inserted, plug tip contacts "make" tip spring. Further insertion allows tip to short "make" tip spring and tip spring together. Full insertion opens tip shunt circuit.			

## **TINI-D-JAX® MINIATURE ENCLOSED PHONE JACKS, NUMBERS 142A, PC142A**

Tini-D Jax uses Hi-D Jax® construction and mounts on .375 inch centers. Weight: 3.6 grams. Number 142A mounts through .25 inch diameter hole in chassis/panel up to .125 inches thick. Number PC142A has special spring terminals for "snap-in" mounting to PC boards up to .125 inches thick - ready for hand, wave or dip-soldering.

### **Specifications**

#### **Mechanical**

- Life: 5,000 insertion/withdrawal cycles, minimum.
- Insertion/Withdrawal: 15 ounce minimum, 40 ounce maximum, insertion. 12 ounce minimum, 25 ounce maximum, withdrawal.

#### **Electrical**

- Contact Resistance: .10 ohms maximum.
- Dielectric Withstanding Voltage: 250 V AC maximum.
- Shunt Tension: 100 grams minimum.

#### **Material**

- Housing: Molded plastic.
- Mounting Bushing: Plated copper alloy.
- Tip Spring: Plated copper alloy, bifurcated.
- Shunt Springs: Plated copper alloy.
- Sleeve Bracket: Steel, cadmium-plated.
- Insulator: Rigid plastic.
- Hardware: 142A supplied with one (1) P1975 nickel-plated copper alloy locknut and one (1) S3997 nickel-plated steel flat washer.