



.101" Micro Jack

Extremely small, rugged, shunted Micro-Jax® 2-conductor jack is 1/4 the size of a standard phone jack and weighs less than 1/20 ounce. Can be wired for open or closed circuit operation. Internally keyed insulators interlock all parts and tip springs grip mating plugs positively. Mates with Switchcraft® Micro-Plug® phone plugs. Jacks mount through .190 inch diameter hole in chassis/panels up to .093 inches thick. For insulated mounting, a .281 inch diameter hole and .050 inch maximum panel thickness applies.

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Subminiature Enclosed Phone Jacks

Micro-D Jax® 2-conductor jacks have insulated box construction and subminiature size.

MDPC2A: 2-conductor closed circuit jack with PC terminals. Mounts to single-, double-sided or multilayer boards either singly or in rows as close as .344 inch centers (+/- .01 inches). Bushing is .10 inch inside diameter.

MDSL2A: Same as MDPC2A except, 1. solder lugs, 2. bushing is #10-48 threaded (nut and washer supplied), and 3. mounting centers are .35 inch or .313 inch. When mounted on .313 inch centers, sleeves or adjacent jacks may be in intimate contact. Mounts through a .203 inch diameter hole in chassis/panels up to .063 inches thick.

Subminiature Right-Angle Phone Jacks

2-conductor jacks have molded housing which protects all internal parts.
Panel/chassis or PC boards mounting in rows, if desired, on .351 inch centers.
PC terminals need only .382 inch behind-panel clearance.

MDPC2ARA: PC terminals mount/terminate directly to PC or multilayer boards.
Bushing clears a .156 inch diameter panel hole.

MDSL2ARA: Right-angle solder lugs and #10-48 threaded bushing for
chassis/panel mount. Mounts in .203 inch diameter hole in chassis/panels up to
.063 inches thick.

Right-Angle Micro-Jax[®]

MDSH1RA: Switchcraft's hybrid surface mount, right-angle, 2-conductor
Micro Jax[®] offer optional through-board grounding. Like Switchcraft's
other Micro-D jacks, this series features molded high temperature resistant
housing which protects all internal parts. Choose panel/chassis or PC
board mounting in rows on .351 inch centers. The bent PC terminals need
only .345 inch clearance above PC board. Solder lugs need only .382 inch
behind panel clearance.

MDP21RA: Same as above but with straight PC terminals for through-
board grounding.

MDSH1RA: Right-angle solder lugs and #10-48 threaded bushing for
chassis/panel mount. Mounts in .203 inch diameter hole in chassis/panels
up to .063 inch thick.

Electrical

- Contact Resistance: .10 ohms maximum (spring to plug).
- Shunt Resistance: .10 ohms maximum.
- Dielectric Withstanding Voltage: 250 V AC.
- Shunt Tension: 60 grams minimum.

Material

Mounting Bushing: Nickel-plated copper alloy.

- Insulating Spacers: Rigid plastic.
- Springs: Nickel-plated copper alloy. Integral contacts are plated.
- Tip, Shunt and Sleeve Terminals: Silver-plated copper alloy.
- Hardware: Supplied with one, P15331 nickel-plated copper alloy hex nut, and one S29571 nickel-plated copper alloy flat washer.

Material - TR1PC

- Threaded Bushing: Nickel-plated copper alloy.
- Tip Spring: Copper alloy.
- Sleeve/Ground Terminal: Copper alloy tin-lead with nickel underplate.

Mechanical - TR1PC

- Life: 10,000 insertion/withdrawal cycles, minimum.
- Insertion/Withdrawal Forces: 11 ounces insertion, 11 ounce minimum withdrawal.

Environmental - TR1PC

- Thermal Range: -55°C to +85°C (non-operating); -20°C to +65°C (operating).
- Thermal Shock: Per MIL-STD-202, method 107.
- Humidity: Per MIL-STD-202, method 106.
- Salt Spray: Per MIL-STD-202, method 101.