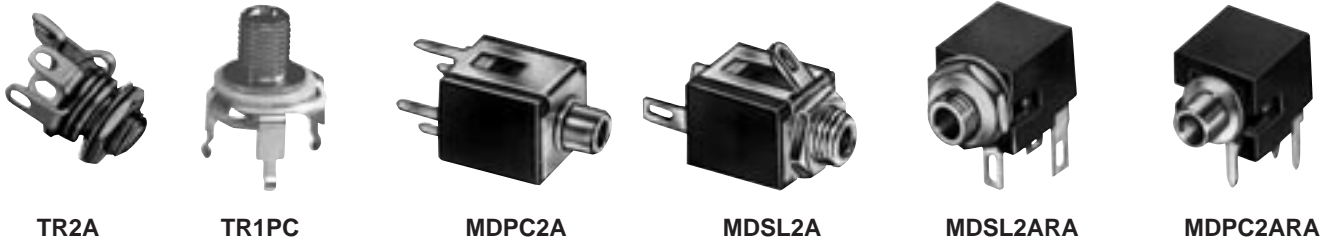


\* Please visit the product pages on our website for the most up-to-date product information

.101" SUBMINIATURE PHONE JACKS



**SUBMINIATURE PHONE JACKS, TR2A AND TR1PC**  
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" diameter hole in chassis/panels up to .093" thick. For insulated mounting, a .281" diameter hole and .050" maximum panel thickness applies. Order insulating washer separately. Number **P1617** (flat phenolic washer) and Number **P1618** (swedged fiber washer).  
**Number TR1PC:** 2-conductor closed circuit jack with PC terminals. Open frame and enclosed versions available. Mates with Switchcraft® Micro Plug® numbers 850, 855, and 880.

**SUBMINIATURE ENCLOSED PHONE JACKS**  
Micro-D Jax® 2-conductor jacks have insulated box construction and subminiature size.  
**Number 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" centers (+/- .01 inches). Bushing is .10" inside diameter.  
**Number MDSL2A:** Same as MDPC2A except, 1. solder lugs, 2. bushing is #10-48 threaded (nut and washer supplied), and 3. mounting centers are .35" or .313". When mounted on .313" centers, sleeves or adjacent jacks may be in intimate contact. Mounts through a .203" diameter hole in chassis/panels up to .063" 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" centers. PC terminals need only .382" behind-panel clearance.

**Number MDPC2ARA:** PC terminals mount/terminate directly to PC or multilayer boards. Bushing clears a .156" diameter panel hole.  
**Number MDSL2ARA:** Right-angle solder lugs and #10-48 threaded bushing for chassis/panel mount. Mounts in .203" diameter hole in chassis/panels up to .063" thick.

**SPECIFICATIONS - MICRO-JAX® 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.

**SPECIFICATIONS - MICRO-D JAX**  
**MECHANICAL:**  
**Life:** 10,000 insertion/withdrawal cycles minimum.  
**Insertion/Withdrawal Forces:** 11 ounce insertion, 11 ounce minimum withdrawal.

**ELECTRICAL:**  
**Contact Resistance:** .010 ohms maximum (initial), .020 ohms maximum (after humidity, durability exposure), .10 ohms maximum (after salt spray).  
**Insulation Resistance:** 10,000 MΩ minimum (initial), 1,000 MΩ minimum (after humidity, durability exposure).  
**Dielectric Withstanding Voltage:** 500 V AC maximum.  
**Contact Rating:** .125 A, 125 V AC.

**ENVIRONMENTAL:**  
**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.

**MATERIAL:**  
**Housing:** Glass reinforced plastic. **Insulation:** Rigid plastic.  
**Mounting Bushing (Micro-D):** Nickel-plated copper alloy.  
**Mounting Bracket (Right-Angle Micro-D):** Nickel-plated copper alloy.  
**Tip Spring:** Silver-plated copper alloy.  
**Shunt Terminal:** Silver-plated copper alloy.  
**Sleeve Terminal (Micro-D):** Steel, tin-plated.  
**Sleeve Terminal (Right-Angle Micro-D):** Silver-plated copper alloy.  
**Hardware (Micro-D):** Same as Micro-Jax (MDSL2A).  
**Hardware (Right-Angle Micro-D):** Hex nut, nickel-plated copper alloy, **Number P15331**; flat washer, nickel-plated copper alloy **S29571**; not supplied with MDPC2A.

Part No.	Jack Schem. <sup>1</sup>	Typical Mating Plug <sup>2</sup>	Part No.	Jack Schem. <sup>1</sup>	Typical Mating Plug <sup>2</sup>
TR2A	III	850	MDSL2A	III	850
TR1PC			MDPC2ARA		
MDPC2A			MDSL2ARA		

All are 2-Conductor (closed circuit). Note 1.: See Jack Schematics page 79 and 80. Note 2.: See Plugs Section for mating information.

DIMENSIONS ARE FOR REFERENCE ONLY Inch  
(mm)