SWITCHCRAFT, INC. 5555 N. Elston Ave. • Chicago, IL 60630 • 773 792-2700 • FAX: 773 792-2129 • www.switchcraft.com

.101" SUBMINIATURE PHONE JACKS


TR2A


TR1PC


MDPC2A


MDSL2A


MDSL2ARA


MDPC2ARA

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 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. Order insulating washer separately. Number P1617 (flat phenolic washer) and Number P1618 (swedged fiber washer).

Number TR1PC: 2-conductor open or 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 inch centers (+/- .01 inches). Bushing is .10 inch 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 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.

Number 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.

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

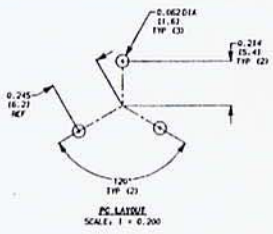
Life: 10,000 insertion/withdrawal cycles, minimum.
Insertion/Withdrawal Forces: 11 ounces insertion, 11 ounce minimum withdrawal.

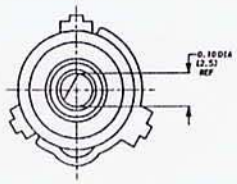
ENVIRONMENTAL - TR1PC

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.

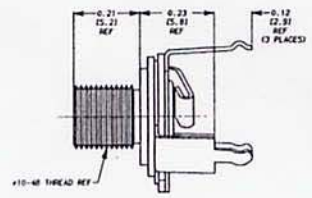
Part Number	Description	Jack Schematic[1]	Typical Mating Plug[2]
TR2A	2-conductor (closed circuit)	III	850
TR1PC			
MDPC2A			
MDSL2A			
MDPC2ARA			
MDSL2ARA			

1 See Jack Schematics, pages 65 and 66.
2 See Plugs Section for mating information.





III



DIMENSIONS ARE FOR REFERENCE ONLY inch (mm)

NOTE: Contact your Switchcraft Representative for price and delivery.