



Harsh Environment Connectivity Solutions



.101" Micro Plug

Extremely small, rugged, Switchcraft® Micro-Plug® 2-conductor plug is 1/4 the size of a standard phone plug. Mates with Switchcraft® Micro-Jax® phone jack, which can be wired for open or closed circuit operation. Internally keyed insulators interlock all parts and jack tip springs grip mating plugs positively.

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 M(ohm) minimum (initial), 1,000 M(ohm) 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; P15331: flat washer, nickel-plated copper alloy; S29571: not supplied with MDPC2A.

Micro-Plug				
Part No.	Terminal	Mating Jacks	Handle	Handle Part No.
850	Solder Lug	TR2A	Black	T18623
852			Black	T18623
855			Red	T18622
857			Red	T18622
880			Natural	T18621
882			Natural	T18621
2P1419			Less Handle	----

LOCK Micro-Plug				
Part No.	Terminal	Mating Jacks	Handle	Handle Part No.
851	Solder Lug	TR2A		