

Switchcraft®

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.097" SUBMINIATURE PHONE PLUGS

1. Numbers 850, 880
2. Number 851

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FEATURES

* Subminiature, 2-conductor phone plugs are 1/3 the size of standard phone plugs, with the uniformity, dependability, and quality construction of Switchcraft Littel-Plug® and Tini Plug® phone plugs. 50 W soldering with 60/40 solder recommended for terminating.

* Switchcraft's 852, 853, 857, 858, 882 and 883 have a wider insulator between the tip and the sleeve. The wide insulator prevents the tip of the plug from shorting out between the tip spring and the sleeve of the jack during insertion.

Micro-Plug® PLUG - Sleeve terminal incorporates cable clamp. May be clamped over mated braid to anchor shielded cable; solders readily for perfect electrical connection.

Terminals and plug body interlocked mechanically. Accommodates cable up to .125 inch Combined length, handle and tip: 1.106 inch outside diameter, .250 inch outside diameter handle.

LOCK Micro-Plug® PLUG - Similar to Micro-Plug plug, with addition of integral threaded collar that fastens to bushing of mating jack to prevent accidental disconnect. Requires at least .05 inch of exposed and usable thread on jack bushing to lock securely. Ideal for secure connections in critical medical and sensitive scientific instruments. Combined length, handle and tip: 1.046 inch. Various molded cable assemblies incorporating Micro-Plug Subminiature phone plugs with plastic handles are available.

SPECIFICATIONS

MATERIALS

Tip, Rod and Body (also integral Coupling Collar on Lock Micro-Plug): Nickel-plated copper alloy.

Insulation: Molded thermoplastic.

Sleeve Termination and Cable Clamp: Tinned copper alloy.

Handle: Anodized aluminum; red, black or natural finish.

MECHANICAL

Life rating: 5,000 insertion/withdrawals.

Insertion/Withdrawal Force: 1 pound (depending on mating jack).

ELECTRICAL

Insulation Resistance: > 100 megohms

Dielectric Withstanding Voltage: 250V AC.

ENVIRONMENTAL

Thermal Range: -55°C to +85°C (non-operating); -20°C to 65°C (operating).

Thermal Shock: Mil-Std 202, Method 107.

Humidity: Mil-Std 202, Method 106.

Salt Spray: Mil-Std 202, Method 101.

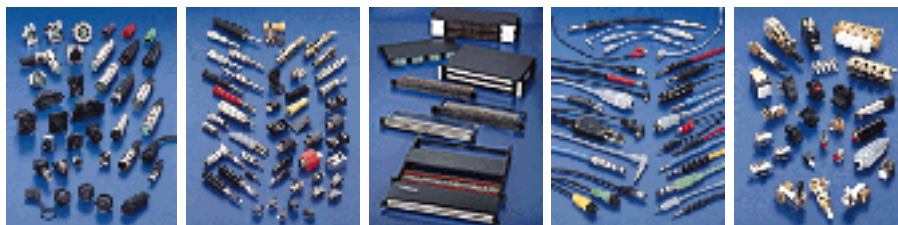
| Micro-Plug | | | | |
|------------|----------|--------------|--------|-----------------|
| Part No. | Terminal | Mating Jacks | Handle | Handle Part No. |
| | | | | |

| | | | | |
|--------|------------|------|-------------|--------|
| 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 Jacks³ | Handle | Handle Part No. |
| 851 | Solder Lug | TR2A | Black | T23123 |
| 853 | | | Black | T23123 |
| 856 | | | Red | T23122 |
| 858 | | | Red | T23122 |
| 881 | | | Natural | T23121 |
| 883 | | | Natural | T23122 |
| ¹ Switchcraft Part Numbers. Other mating plugs are available. | | | | |

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