

# Switchcraft®

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## .097" SUBMINIATURE PHONE PLUGS

1. Numbers 850, 880
2. Number 851

[click here to download a schematic drawing](#)

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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.

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

<b>LOCK Micro-Plug</b>				
<b>Part No.</b>	<b>Terminal</b>	<b>Mating Jacks<sup>3</sup></b>	<b>Handle</b>	<b>Handle Part No.</b>
851	Solder Lug	TR2A	Black	T23123
853			Black	T23123
856			Red	T23122
858			Red	T23122
881			Natural	T23121
883			Natural	T23122

<sup>1</sup> Switchcraft Part Numbers. Other mating plugs are available.

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