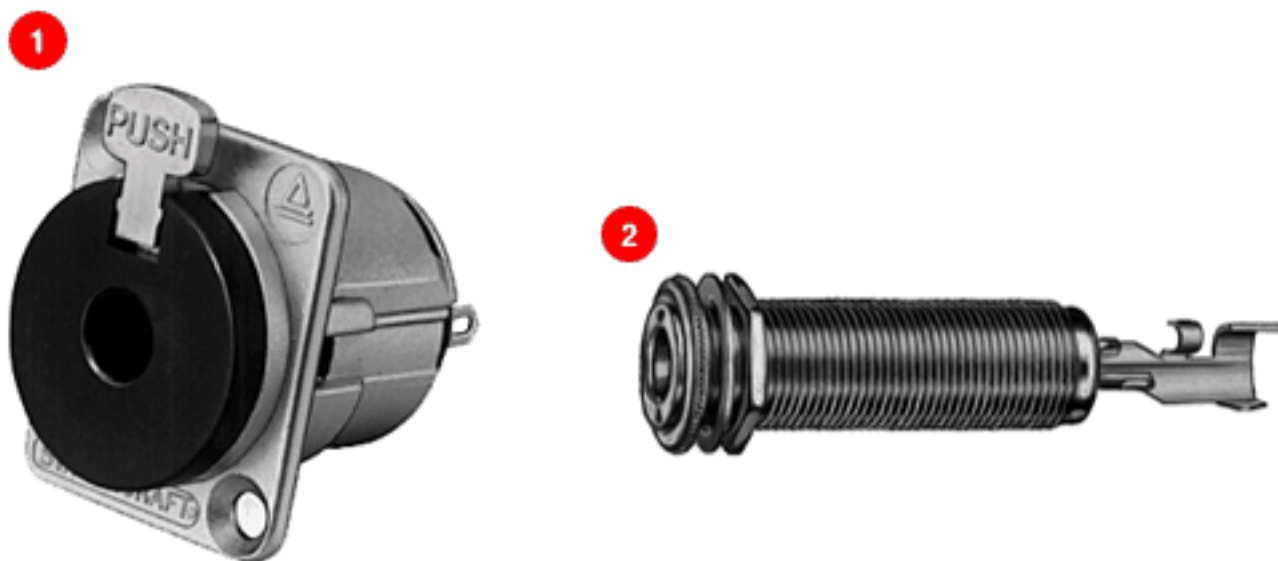


Switchcraft®

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1/4" PHONE JACKS

LOCKING AND THICK PANEL PHONE JACKS

1. LOCKING PHONE JACK SERIES E
2. THICK PANEL PHONE JACK 151

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

(you will need to have Adobe Acrobat installed on your system to do this)



LOCKING PHONE JACKS

SERIES E

Series E jacks provide stable, secure connections in panels where shock/vibration or accidental disconnect may occur. Plug locks-in automatically upon insertion; press "PUSH"

tab to unlock and remove plug. Series E jacks have the same front panel appearance as Series E Q-G® audio connectors.

SPECIFICATIONS

MECHANICAL

Life: 10,000 cycles minimum.

ELECTRICAL

Insulation Resistance: 2×10^6 M(ohm) at 500 V DC per MIL-STD-202, method 302 (initial).

Dielectric Withstanding Voltage: 1,000 V AC (rms).

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

Shell: Die-cast zinc, with satin nickel-plating.

Black chrome over nickel-plating on special order.

Insert and Latch: Thermoplastic, UL 94V-O.

Latch Release: Nickel-plated die-cast zinc.

Contact Springs: Tin-plated copper alloy.

Part Number	Description	Jack Schematic ¹	Typical Mating Plug ²
E111L	2-cond., open circuit	I	250
E112BL	3-cond., double open circuit	IV	267

¹ See Jack Schematics, pages 65 and 66
² See Plugs Section

THICK PANEL PHONE JACKS Jacks are standard 2- and 3-conductor phone jacks with extra long threaded bushing for mounting in panels/chassis up to 1.25 inches thick. Metal bushing virtually eliminates hum pick-up, and is ideal for electric guitar and speaker connections. Jacks mate with standard commercial phone plugs. See plug section for mating plugs. Jacks mount in a single .469 inch diameter hole. Rugged cable clamp protects

connections from twisting and pulling stresses.

SPECIFICATIONS

MATERIAL

Mounting Bushing: Nickel-plated copper alloy with knurled flange.

Insulating Spacer: Rigid plastic.

Insulator/Spring Mount: Thermoplastic.

Springs: Copper alloy.

Terminals: Tip: Copper alloy. Ring: (Number 152B only)

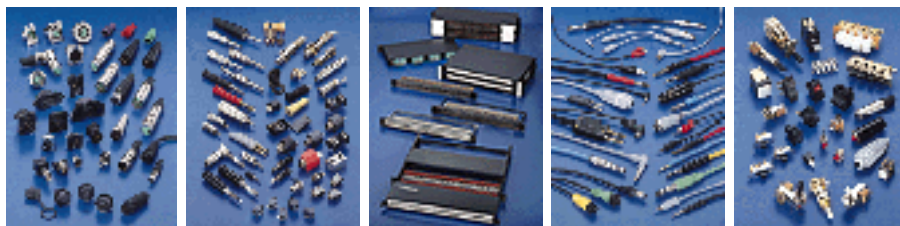
copper alloy. Sleeve: Steel, tin-plated.

Hardware: Supplied with one, Number P10531 nickel-plated copper alloy hex nut, and one, Number P1476 nickel-plated copper alloy flat washer.

Part Number	Description	Jack Schematic ¹
151	2-conductor, open circuit	I
152B	3-conductor, open circuit	IV

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