

JACK COVERS

Reliable, spring-loaded covers effectively seal front panel bushing openings from dust and dirt when mating plugs are not connected to jack. Series 500 is mounted with conventional threaded bushing jacks. Special locknut (comes with Series 500 jack covers) seals tightly against rubber washer when cover is closed. Series 600 is used with certain type tip jacks. Due to variable jack dimensions, two .031" washers are supplied.

SPECIFICATIONS

MATERIAL

**Base and Cover:** Steel per QQ-S-698; finish per MIL-F-14072 (Sig. C), enamel, semi-gloss.

**Axle:** Copper alloy per QQ-W-321, Type 321, composition B. Plated per QQ-P-416, Type II, Class 3.

**Spring:** Stainless steel per QQ-W-432, Type 302.

**Hex Nut:** Copper alloy per QQ-B-626, composition 22. Same plating as axle.

**Gasket:** Synthetic rubber per MIL-R-6855, Type II, 35-40 Durometer.

**Washer (600 only):** Steel per QQ-S-698; plated per QQ-P-416, Type II, Class 3.

**Additional Specifications for Numbers 512 and 612:**

Same as above, except rivet, base, cover and hex nut and washer (Number 612 only) are nickel-plated per QG-N-290.

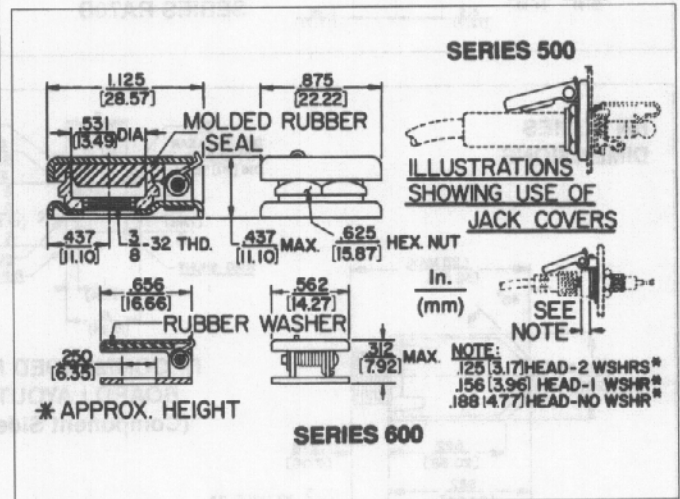
Color	Part No.	Part No.	Color	Part No.	Part No.
Olive Drab	510	610	Black	515	615
Bright Nickel	512	612	Navy Gray	520	620

Special order only. Contact Switchcraft.

515



520

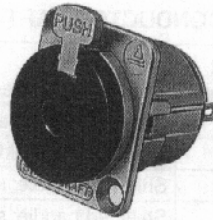


DIMENSIONS ARE FOR REFERENCE ONLY  
 Inch (mm)

Switchcraft JACKS AND PLUGS

1/4" PHONE JACKS (continued)

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 x 106 MΩ 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.

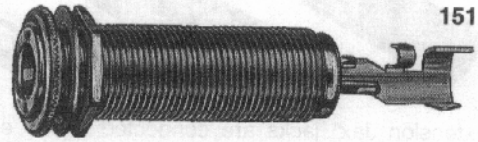
Latch Release: Nickel-plated die-cast zinc.

Contact Springs: Tin-plated copper alloy.

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

1. See Jack Schematics, pages 79 and 80  
2. See Plugs Section

THICK PANEL PHONE JACKS



151

Jacks are standard 2- and 3-conductor phone jacks with extra long threaded bushing for mounting in panels/chassis up to 1.25" 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" 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.

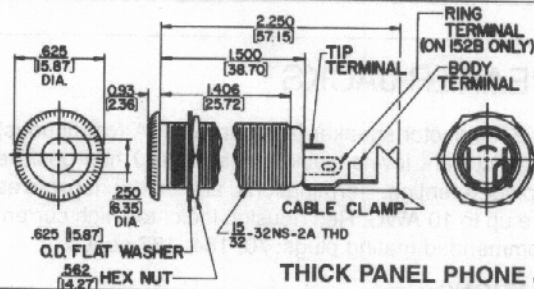
Springs: Copper alloy.

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

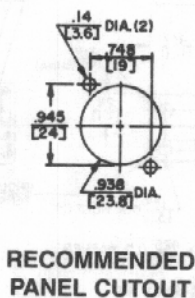
Sleeve: Steel, tin-plated.

Hardware: Supplied with one, Number P10531 nickel-plated copper alloy hex nut, and one, Number P14761 nickel-plated copper alloy flat washer.

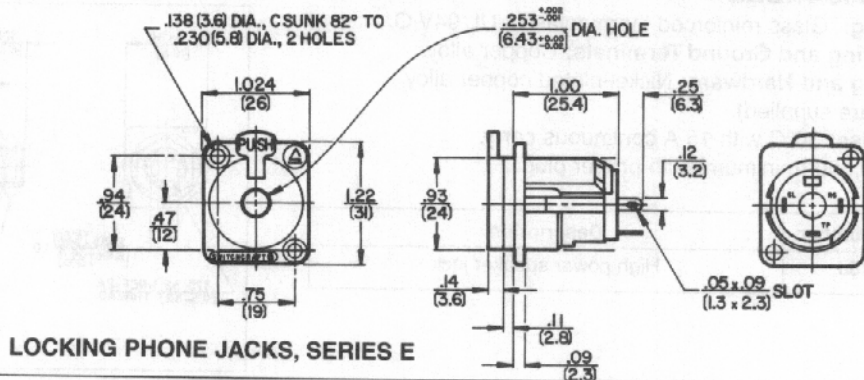
Part Number	Description	Jack Schematic	Typical Mating Plug
151	2-conductor, open circuit, nickel finish	I	280
152	2-conductor, open circuit, brass finish	I	280
152B	3-conductor, double open circuit, nickel finish	IV	297
153	2-conductor, open circuit, gold-plated springs, electro-polish brass finish, 9/16-12 UNC wood threads	I	280
154	3-conductor, double open circuit, gold finish, no cable clamp	IV	297
155	3-conductor, double open circuit, black satin finish, no cable clamp	IV	



THICK PANEL PHONE JACKS



RECOMMENDED PANEL CUTOUT



LOCKING PHONE JACKS, SERIES E

DIMENSIONS ARE FOR REFERENCE ONLY Inch (mm)

JACKS AND PLUGS SWITCHCRAFT