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## SLIM-LINE CONNECTORS (continued)

### INSERTS

Inserts are molded of high-strength plastic, and are completely interchangeable between plug and receptacle housings at any time. Inserts are keyed to housings, and male and female inserts are polarized to prevent mismatching.

### PIN/CONTACT CONFIGURATIONS:

Pins	Contacts	Contacts (Shunts)
2	2	2 (N.C. Shunt on each contact)
3	3	3 (N.C. Shunts on contacts 1 and 3)
4	4	4 (N.C. Shunts on contacts 1 and 4)
5	5	-

◇Add an "S" to end of part number for shunts. Special order only.

Insert is installed from front, and the captive latch spring locks insert to housing. To remove insert from receptacle, depress latch spring and apply pressure to rear of insert (**DO NOT APPLY PRESSURE TO TERMINALS**). On cord plugs, depress latch spring and press in on strain relief to free the insert.

### GROUNDING/SHIELDING

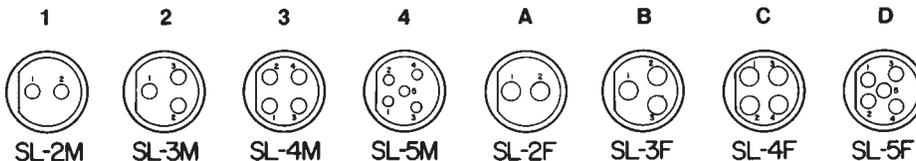
Housings shield internal connections and provide ground (common) connections without using a pin/contact. On cord plugs, ground lead (or shield) is connected to cable clamp. For receptacles Cable Clamp, **SL04** is ordered separately as a special and installed. If desired, ground/shield connection may then be made to clamp. When mated, a continuous, shielded, low resistance path is made through the connector.

Part Number	Item
◇SL01	Hex Nut
◇SL02	Lockwasher
◇SL03	Flat Washer
◇SL04	Cable Clamp
◇SL05	Strain Relief Spring

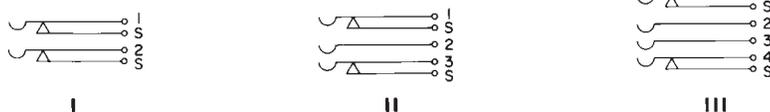
### SLIM-LINE CONNECTOR PART NUMBERING SYSTEM

SERIES	HOUSING TYPE	Number of Contacts	Gender	Options
SL SLIM-LINE	NONE	2	M MALE	S WITH SHUNTS
	10 RECEPTACLE, FLANGE MOUNT	3	F FEMALE	
	17 RECEPTACLE, REAR MOUNT	4		
	18 RECEPTACLE, FRONT MOUNT	5		
	40 CORD PLUG WITH COUPLING RING			
	41 CORD PLUG WITHOUT COUPLING RING			

### PIN AND CONTACT ARRANGEMENTS



### SCHEMATIC CIRCUITS



DIMENSIONS ARE FOR REFERENCE ONLY Inch  
(mm)

### SPECIFICATIONS

#### MATERIALS

**Receptacle Housings:** Die-cast zinc, nickel-plated.

**Cord Plug Housings:** Copper alloy, nickel-plated.

**Inserts:** Glass-reinforced thermoplastic. UL 94 V-0.

**Female Contacts:** Copper alloy, silver-plated, solder lug type.

**Pins:** Copper alloy, silver-plated, solder cup type.

**Cable Clamp, Strain Relief, and Mounting Hardware:** Steel, plated. **Latch:** Steel, plated.

#### ELECTRICAL

**Current Rating:** 5 Amps carry only.

#### MOUNTING

**Cord Plugs:** Plugs accept cables up to .281" (7.14 mm) diameter.

**Receptacles:** Flange mount type mounts in panels or chassis up to .188" (4.78 mm) thick. .125" (3.18 mm) diameter holes accept #4 machine screws or .125" (3.18 mm) diameter rivets. Rear and front of panel types mount in "D"-shaped hole in panels or chassis up to .219" (5.56 mm) thick. Hex nut (**SL01**), lockwasher (**SL02**), and flat washer (**SL03**) are supplied for mounting.

#### CABLE CLAMP AND STRAIN RELIEF

**Cord Plugs:** Plugs are supplied with rugged cable clamps and strain relief springs. Cable clamp serves two valuable functions: to firmly hold cable to prevent pulling or twisting strains on soldered terminations, and as a connecting point for ground (common) or shield when grounding/shielding through the connector is required.

**Receptacles:** Receptacles are not supplied standard with cable clamp for strain relief. If grounding/shielding feature is desired, separate Cable Clamp, **SL04**, is installed on receptacle insert.

#### MOUNTING HARDWARE

(Supplied with Series SL17 and SL18 receptacles)