Multiple Wire Connector and Back-to-Back Connector Assembly (50 Position Only)

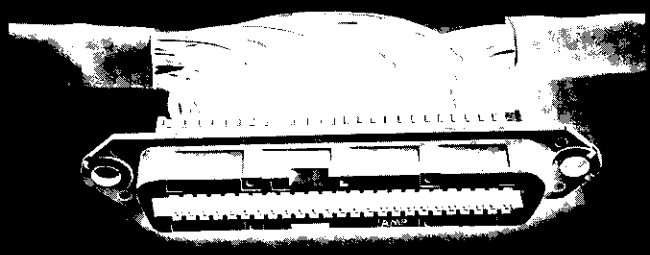
Product Facts

- No prestripping of wire required
- Positive electrical contact through redundant contact points
- Eliminates time-consuming soldering
- Standard 50 position receptacle connector configuration
- Terminals constructed of high strength copper alloy with gold over nickel plating in contact area
- Utilizes standard CHAMP connector screw lock, bail lock and locking latch hardware
- Economical approach to half-tapping and daisy chain applications

Multiple Wire Connectors

(50 Position Only)

The Multiple Wire CHAMP Connector extends the unique technology of the regular CHAMP connector to provide the capability of terminating two conductors into one terminal position. Use of the Multiple Wire connector offers the labor savings of insulation displacement technology versus the conventional means of hand soldering the terminals. They are available in 50 position receptacle configurations with a molded strain relief and the necessary hardware for panel mount applications. The connector consists of a molded thermoplastic housing with receptacle contacts constructed of high strength copper alloy with gold over nickel plate.



Receptacle Assembly—J Slot
Part Numbers 552827-1 (Gray) and 552827-2 (Black)
Plug Assembly—J Slot Part Number 552826-1 (Gray)

Multiple Wire Strain Relief[1]
Part Number 552851-2 (Black)

[1]Available for use with 50 position thin flange connector only.
Notes: 1. J Slot for 24 AWG [0.51 mm] solid wire only. (Pink Color Dot)
2. Max. insulation dia. .034 (0.86)

For Snap-In Panel Mount Strain Relief, see Panel Mount Connector Accessories on page 12.

Application Tooling

Termination is accomplished by using the special MI-1 applicator for 26 AWG [0.40 mm] solid wire only, Part No. 2-229378-0 or the CHAMP discrete wire applicator for 26-24 AWG [0.40-0.51] solid wire. Part No. 231593-1.

Product Facts

- No prestripping of wire required
- Positive electrical contact through redundant contact points
- Leads can be dressed to desired configuration
- Terminals constructed of high strength copper alloy with gold over nickel plating
- Easy plug-in insertion into existing cables

Notes:
1. Cable to customer supplied.
2. Acceptable cable diameter range is .380-.400 [9.65-10.16].

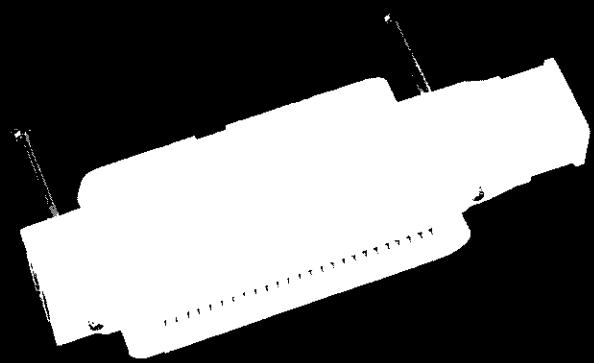
Wire Ranges—
1. 24 AWG [0.20 mm²] (7 strand) or 26 AWG [0.40 mm] (solid) and 24 AWG [0.51 mm] (solid)–B Slot.
2. 26 AWG [0.14 mm²], 27 AWG [0.10 mm²] or 28 AWG [0.09 mm²] (strand)–E Slot.

Back-to-Back Connector Assembly

(50 Position Only)

The 50 Position CHAMP Back-to-Back Connector provides the customer with the ability to make an electrical connection into existing cable-to-cable and cable-to-panel applications. The male-to-female connector can be utilized as a bridging connector in central office or PBX Bussing. It also provides a readily accessible interface for test scanning, maintenance or telephone monitoring equipment.

This connector utilizes the insulation displacement technology. To terminate the connector, one half of the unstripped wires are laced through the applicator tool and mass terminated. Reversing the connector allows the mass termination of the remaining connectors. For applicator tooling, see page 67.



Plug/Receptacle 50 Position, B-Slot Kit
Part Number 553257-1 (Cable-to-Cable Application)

Plug/Receptacle 50 Position, E-Slot Kit
Part Number 554715-1 (Cable-to-Panel Application)

For drawings technical data or samples, contact your AMP sales engineer or call the AMP Product Information Center: 1-800-522-6752.
Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.
Specifications subject to change. Consult AMP for latest specifications.