CODED CONNECTORS—900 THROUGH 907

DESCRIPTION

1. GENERAL

1.01 This section lists and illustrates coded connectors within the part or type number range of 900 through 907, used for the maintenance and operation of equipment in central offices.

1.02 Whenever this section is reissued, the reason for reissue will be listed in this paragraph.

2. DESCRIPTION OF CONNECTORS

2.01 ***901A:*** The 901A connector (Fig. 1) consists of a molded block of insulating material containing 16 terminals. The terminals are arranged for mechanically wrapped connections. This connector is designed to mate with the 501A plug and is used in the J99253, E6 repeater.

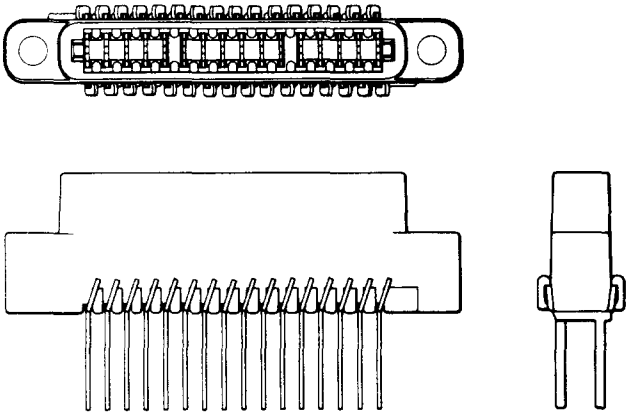
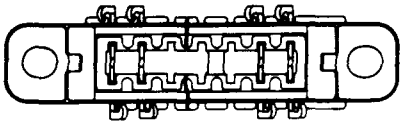


Fig. 1—901A Connector

2.02 ***902A and B:*** The 902A and B connectors (Fig. 2) consist of a molded block of insulating material. The terminals are arranged for mechanically wrapped connections. The 901A and B connectors are arranged to mate with the 502A and B plugs, respectively, and are used in the T1 Carrier System.

(a) ***902A:*** The 902A connector contains 21 terminals.

(b) ***902B:*** The 902B connector contains 26 terminals.



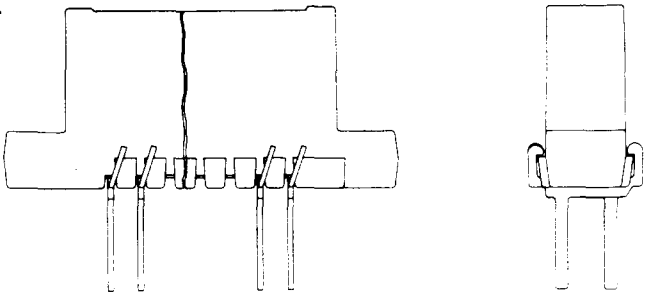


Fig. 2—902A or B Connector

2.03 ***903A and B:*** The 903A and B connectors consist of a molded block of insulating material containing 20 spring terminals in two rows of ten each and arranged on 0.150 inch centers. The terminals are arranged for mechanically wrapped connections. These connectors are arranged to mate with the 503A plug.

(a) ***903A:*** The 903A connector (Fig. 3) is used in the N2 carrier terminal.

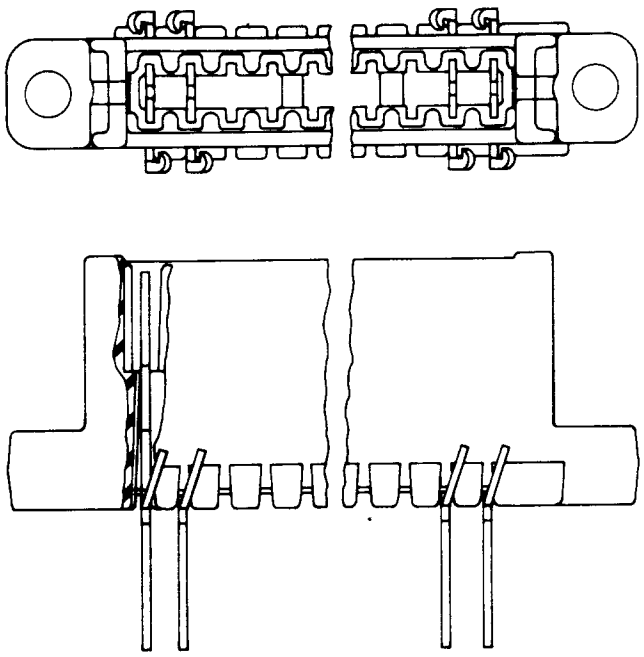


Fig. 3—903A Connector

(b) ***903B:*** The 903B connector (Fig. 4) has its mounting holes offset with respect to the centerline of the connector body to provide interchangeability of mounting with the 928A connector. This connector is used in central office F signaling equipment.

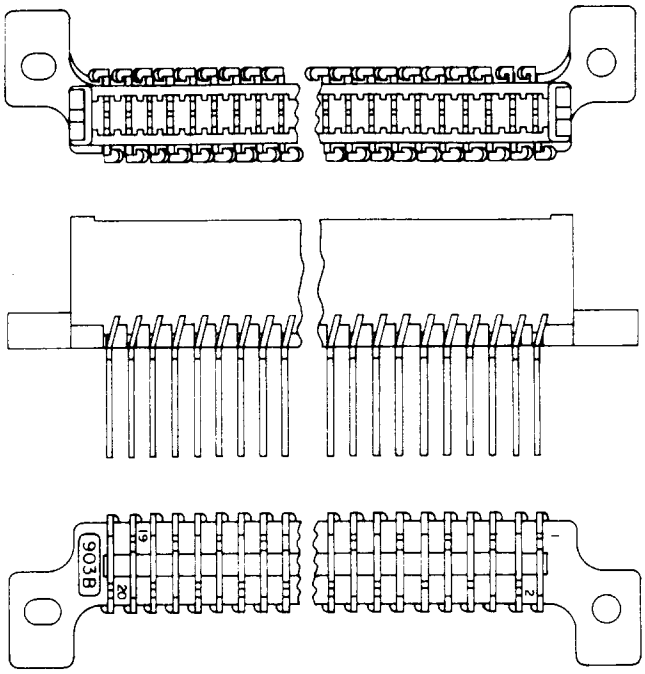


Fig. 4—903B Connector

2.04 ***905A, B, C, and D:*** The 905A, B, C, and D connectors (Fig. 5) consist of a block of insulating material containing 28 contact springs. The terminals are arranged for mechanically wrapped connections.

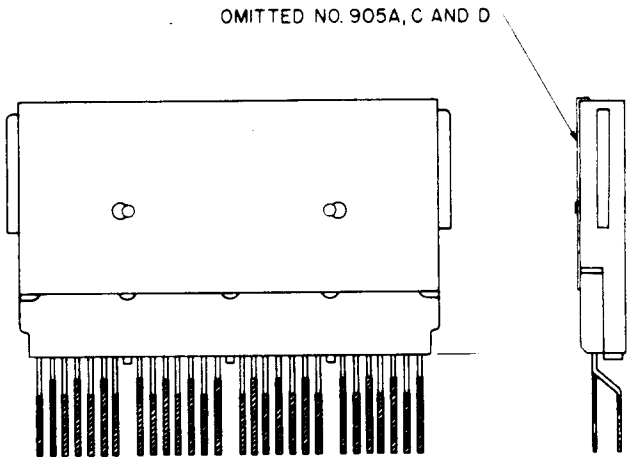


Fig. 5—905-Type Connectors

(a) ***905A:*** The 905A connector is arranged to accommodate a type "A" circuit pack. This connector is arranged to mount in 36A, 36B, and 38A apparatus mountings.

(b) ***905B:*** The 905B connector is equipped with a cover of insulating material over the contacts.

(c) ***905C:*** The 905C connector has bent terminals, 2, 4, 6, 9, 11, and 13 removed. Terminals 1 and 3, 5, and 7, 8 and 10, and 12 and 14 are strapped together. The 905C is a recommended replacement for the 290B and C terminal strips.

(d) ***905D:*** The 905D connector has terminals 1 through 14 and terminals 15 through 28 strapped together. The 905D is a recommended replacement for the 290A terminal strip.

2.05 ***906A, B, C, D, E, F, G, H, J, K, and L:*** The 906-type connectors consist of a molded block of insulating material containing spring terminals equipped with twin contacts for connection to one side of a printed circuit board. The wiring end of the terminals is arranged for mechanically-wrapped connections, unless otherwise stated. The closest recommended mounting centers are 0.500 inch, unless otherwise stated.

(a) ***906A:*** The 906A connector (Fig. 6) terminals are arranged for solder connection to a printed circuit board and is used on the 1A2 Key Telephone System.

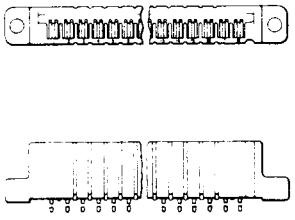


Fig. 6—906A Connector

(b) ***906B:*** The 906B connector (Fig. 7) is used on the B1 Data Trunk System of wide area data service.

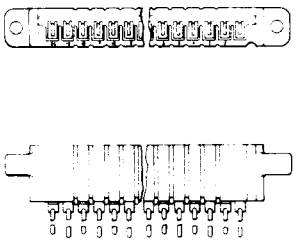


Fig. 7—906B Connector

(c) ***906C:*** The 906C connector (Fig. 8) is equipped with an index clip in positions 5 and 12. The connector is used on the 1A2 Key Telephone System.

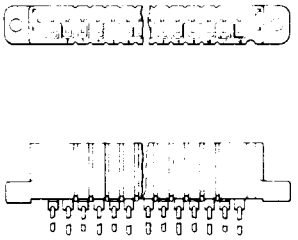


Fig. 8—906C, G, or K Connector

(d) ***906D:*** The 906D connector (Fig. 9) terminals are arranged for solder connections and provided with one index clip. The connector is arranged for rigid mounting by means of a No. 6 screw, or for float mounting by means of two P-12B953 screws with closest recommended mounting centers of 0.531 inch. This connector is used on the J1D401F data set.

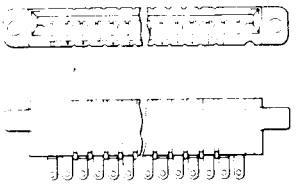


Fig. 9—906D Connector

(e) ***906E:*** The 906E connector (Fig. 10) is arranged for rigid mounting by means of a No. 6 screw with closest recommended mounting centers side-by-side of 0.437 inch, or for float mounting by means of two P-12B953 screws with closest recommended centers of 0.468 inch. The connector is used on transistorized conference amplifier and equipment for four or six simultaneous connections in Common Systems.

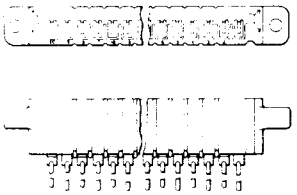


Fig. 10—906E Connector

(f) ***906F:*** The 906F connector (Fig. 11) terminals are arranged for solder connections to a printed circuit board.

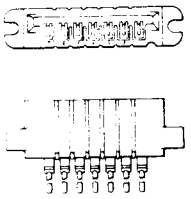


Fig. 11—906F or J Connector

(g) ***906G:*** The 906G connector (Fig. 8) has a lower insulation resistance between adjacent terminals and uses sturdier punched index clips than the 906C connector.

(h) ***906H:*** The 906H connector (Fig. 12) uses a molded block of different insulating material and a sturdier punched index clip than the 906D connector.

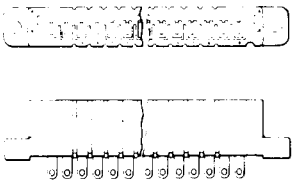


Fig. 12—906H Connector

(i) ***906J:*** The 906J connector (Fig. 11) repairs P-49F596 clips that must be ordered separate.

(j) ***906K:*** The 906K connector (Fig. 8) is equipped with an index clip in positions 5 and 12. The 906K has a low insulation resistance between adjacent terminals.

(k) ***906L:*** The 906L connector (Fig. 13) terminals are arranged for solder connections to a printed tape or circuit board and is provided with an index clip in positions 5 and 12. The connector is used on the 1A2 Key Telephone System.

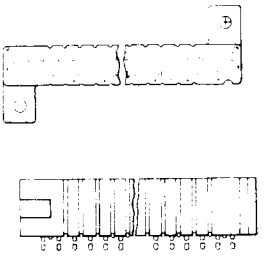


Fig. 13—906L Connector

2.06 ***907B and C:*** The 907B and C connectors (Fig. 14) consist of a molded block of insulating material containing 14 spring terminals in two rows of seven each. One end of each terminal is contained within the housing and is equipped with twin contacts for connections to a printed wiring terminal. These connectors are arranged to make contact with printed wiring terminals on two sides of a 0.094-inch thick printed wiring board when inserted into the connector.

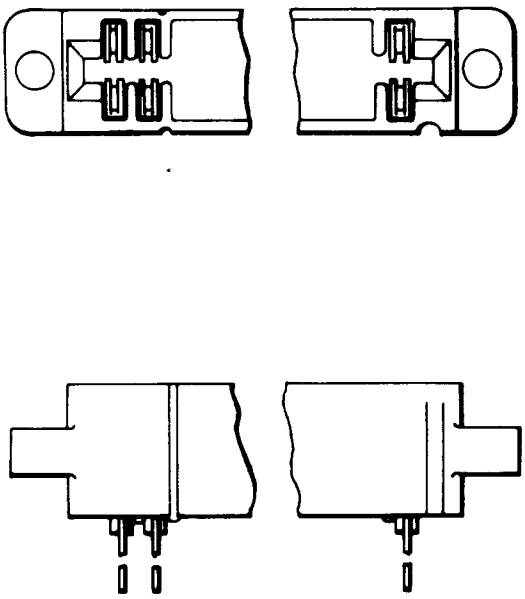


Fig. 14—907B or C Connector

(a) ***907B:*** The 907B connector is used on the 1A2 Key Telephone System. The terminal is arranged for mechanically wrapped connections.

(b) ***907C:*** The 907C connector terminals are arranged for solder connections. This connector is used on the Power Systems.