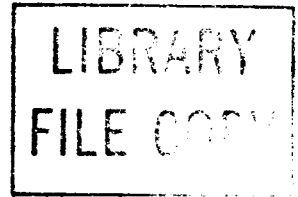


CODED CONNECTORS—908 THROUGH 914 DESCRIPTION



1. GENERAL

1.01 This section lists and illustrates coded connectors within the part or type number range of 908 through 914, used for the maintenance and operation of equipment in central offices.

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

2. DESCRIPTION OF CONNECTORS

2.01 **908-Type:** The 908-type connectors consist of a molded block of insulating material containing contact spring assemblies equipped with twin contacts for connection to a printed wiring board. The wiring end is arranged for mechanically wrapped connections, unless otherwise stated. These connectors are arranged with contacts in a single row or double row configuration. Single rows are arranged to make contact with printed wiring terminals on one side of a 0.062-inch thick printed wiring board. Double rows of terminals are arranged to make contact with printed wiring terminals on two sides of a 0.062-inch thick printed board. (See Fig. 1, 2, and Table A.)

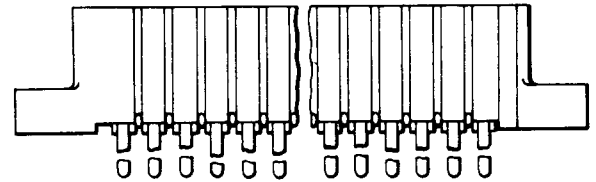
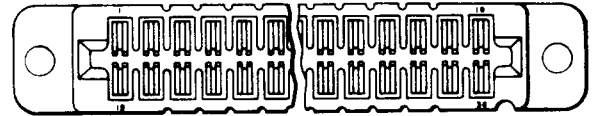


Fig. 2—908D, R, or S Connector

2.02 **909A:** The 909A connector (Fig. 3) consists of a molded block of insulating material containing spring terminals, equipped with twin contacts for connection to a printed wiring board. The wiring end of each terminal is arranged for mechanically wrapped connection, unless otherwise stated. This connector is arranged for rigid mounting by means of No. 6 screws with closest recommended side-by-side mounting centers of 0.531 inch, or for floating mounting by means of two P-12B953 screws with closest recommended mounting centers of 0.562 inch. This connector is used in the J99289 calling-receiving unit in common systems.

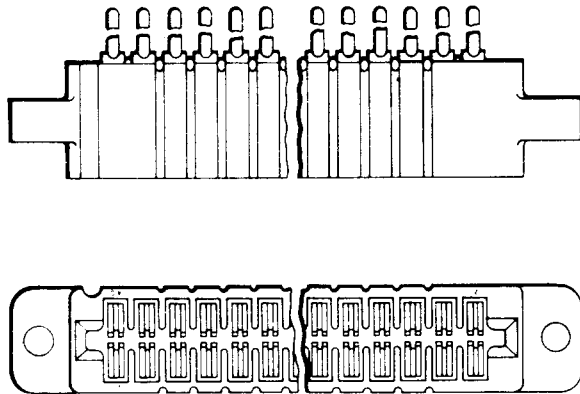


Fig. 1—908A, B, C, E, F, G, H, J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12, K, L, M, P, T, U1, U2, U3, U4, U5, W, or Y Connector

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

TABLE A

TYPE CONNECTOR	NO. OF TERMINALS	TYPE TERMINALS	TERMINALS ARRANGEMENT	PRIMARY USE	FIG. NO.
908A*	40	Solderless	2 Rows of 20	105A Data Set	1
908B	40	Solderless	2 Rows of 20	SF Submarine Cable Test	1
908C	40	Solderless	2 Rows of 20	105A Data Set, N3 Carrier System	1
908D	18	Solder	Single Row	N2 Plug-in Repeater	2
908E	40	Solderless	2 Rows of 20	800A PBX	1
908F	20	Solder	1 Row of 20	TD-3 Radio System	1
908G	20	Solderless	1 Row of 20	103E-Type Data Set	1
908H	40	Solderless	2 Rows of 20	103E Data Set	1
908J1	40	Solderless	2 Rows of 20	4A and 4M Toll Switching Systems	1
908J2	40	Solderless	2 Rows of 20	4A and 4M Toll Switching Systems	1
908J3	40	Solderless	2 Rows of 20	D2 Channel Bank	1
908J4	40	Solderless	2 Rows of 20	T2 Line Protection Switching System	1
908J6	40	Solderless	2 Rows of 20	M1 Multiplexer	1
908J7	40	Solderless	2 Rows of 20	M1 Multiplexer	1
908J8	40	Solderless	2 Rows of 20	400A Protection Switching System	1
908J9	40	Solderless	2 Rows of 20	45A1 and 46B1 Data Mounting	1
908J10	40	Solderless	2 Rows of 20	45A1 and 46B1 Data Mounting	1
908J11	40	Solderless	2 Rows of 20	M1 Multiplexer	1
908J12	40	Solderless	2 Rows of 20	M1 Multiplexer	1
908K	40	Solderless	2 Rows of 20	D2 Channel Bank	1
908L	40	Solder	2 Rows of 20	E2 Status Reporting and Control System	1
908M	20	Solderless	1 Row of 20	Calling Line Identification Project Originating End	1
908P	20	Solderless	1 Row of 20	Multifrequency Receiver	1
908R	24	Solder	2 Rows of 12	T1C Repeater	2
908S	13	Solderless	1 Row of 13	N2 Repeater	2
908T	40	Solder	2 Rows of 20	No. 1 Electronic Switching System TOUCH-TONE® Calling Receiver	1
908U1	40	Solderless	2 Rows of 20	3A Radio Digital Systems	1
908U2	40	Solderless	2 Rows of 20	3A Radio Digital Systems	1
908U3	40	Solderless	2 Rows of 20	3A Radio Digital Systems	1
908U4	40	Solderless	2 Rows of 20	3A Radio Digital Systems	1
908U5	40	Solderless	2 Rows of 20	3A Radio Digital Systems	1
908W	40	Solder	2 Rows of 20	Transaction and Alarm Systems	1
908Y	40	Solder	2 Rows of 20	40A3 Data Mounting	1

* Rated A&M Only -908C is recommended replacement.

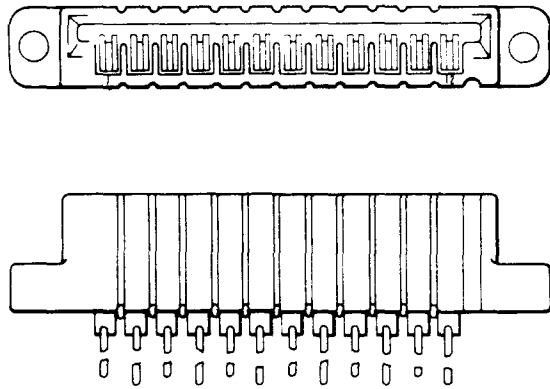


Fig. 3—909A Connector

2.03 910A and B: The 910A and B connectors (Fig. 4) consist of a molded block of insulating material containing spring terminals, equipped with twin contacts for connection to a printed wiring board. The wiring end of each terminal is arranged for mechanically wrapped connection, unless otherwise stated. The 910A and B connectors are provided with a tapped metal bracket which is arranged to mount by means of two No. 4 screws which pass through a mounting plate, the holes in the connector, and into the bracket.

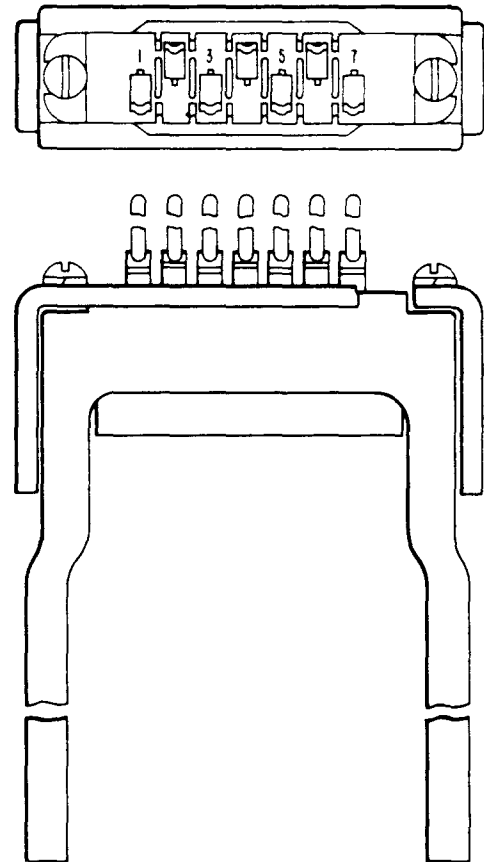


Fig. 4—910A or B Connector

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(a) **910A:** The 910A connector is equipped with P-12B960 spring assemblies. This connector is used in the Step-by-Step Common Control System.

(b) **910B:** The 910B connector is equipped with P-12B957 spring assemblies. This connector is used on the data mounting for D97A1 through D97A9 circuit packs.

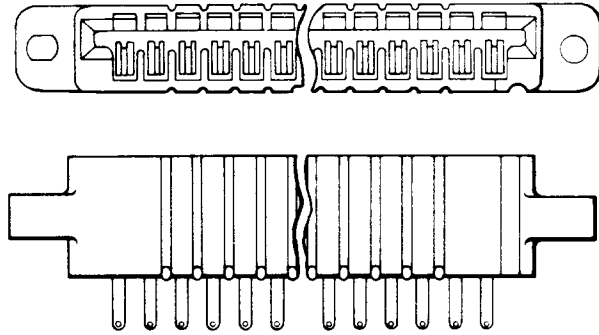


Fig. 6—911B Connector

2.04 911A and B: The 911A and B connectors are arranged for rigid mounting by means of No. 8 screws with closest recommended mounting centers side-by-side of 0.562 inch, or for floating mounting by means of two P-47M058 screws with closest recommended mounting centers of 0.625 inch.

(a) **911A:** The 911A connector (Fig. 5) has the wiring end of each arranged for solderless connections and is used on the N3 Carrier System.

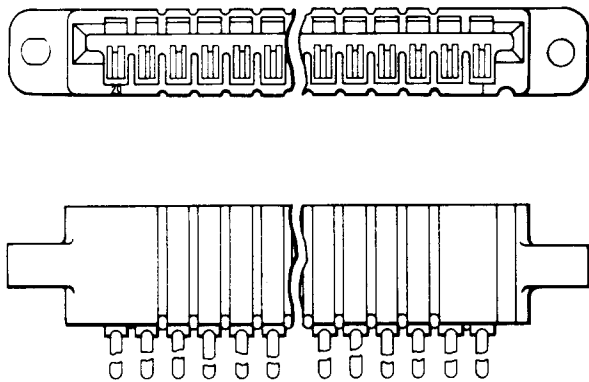


Fig. 5—911A Connector

(b) **911B:** The 911B connector (Fig. 6) has the wiring end of each terminal arranged for solder connections. This connector is used in the TD-3 Radio System.

2.05 912A and B1: The 912A and B1 (Fig. 7) connectors consist of a molded block of insulating material equipped with 14 contacts housed in a metal bracket to guide and support a printed wiring board.

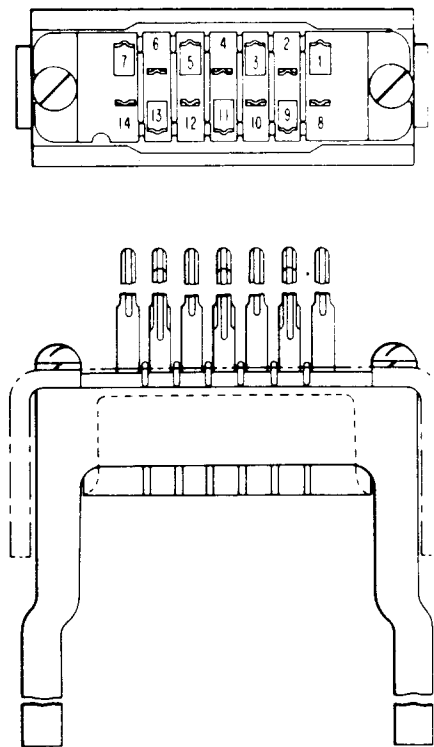


Fig. 7—912A or B1 Connector

(a) **912A:** The 912A connector has, on the apparatus side, bifurcated ribbon-type contact springs to connect with circuit terminations on both sides of a 0.062-inch thick removable printed wiring board. On the wiring side, the contact springs are arranged for two solderless wrapped connections of 24-American Wire Gauge (AWG) wire. This connector is intended for use on 2-inch, channel-type mounting plates in private service systems.

(b) **912B1:** The 912B1 connector contains paired terminals 6 and 7, and 13 and 14 which are equipped with "make" contact springs arranged to "break" and mate with the finger terminations on two sides of a printed wiring board. The contact spring terminations will accept two connections of 26-AWG wire. This connector is used on intertoll trunk circuit.

2.06 913A, B, C, and D: The 913A, B, C, and D connectors (Fig. 8) consist of a molded housing of insulating material equipped with up to 20 contacts. The mating end has a single row of bifurcated ribbon-type contact springs. This will connect with circuit terminations on one side of a 0.062-inch thick printed wiring board when inserted into the connector. On the wiring end, the contact spring terminals are provided in two equal rows and arranged for mechanically wrapped connections.

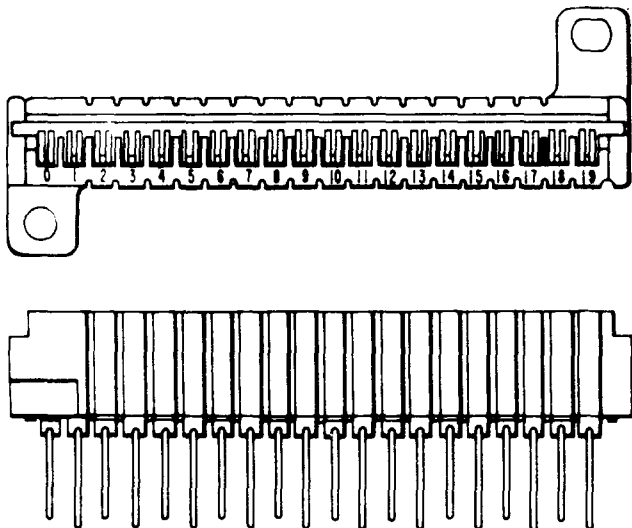


Fig. 8—913A, B, C, or D Connector

(a) **913A:** The 913A connector has 20 contacts. The terminals are arranged for mechanically wrapped connections. The 913A connector is used on the 1A2 Key Telephone System.

(b) **913B:** The 913B connector has 20 contact springs on the wiring end which are arranged for mounting on printed circuit boards. The connector is used on the 400 series key telephone units.

(c) **913C:** The 913C connector has terminals in positions 1 through 18 only, and the index clips are furnished in positions 5 and 12 and do not extend beyond the rear of the connector. The terminals are pins intended for soldering to a backplane.

(d) **913D:** The 913D connector is used on the 597A panel. The 913D has 20 contacts and the terminals are arranged for mechanically wrapped connections.

2.07 914A, B, C, and D: The 914A, B, C, and D connectors consist of a molded housing of insulated material equipped with up to 40 contacts. The mating end has two equal rows of bifurcated ribbon-type contact springs. This will connect with circuit terminations on both sides of a 0.062-inch thick printed wiring board when inserted into the connector. On the wiring end, the contact spring terminals are provided in four equal rows.

(a) **914A:** The 914A connector (Fig. 9) has 40 contacts and is used on the 1A2 Key Telephone System. The terminals are arranged for mechanically wrapped connections.

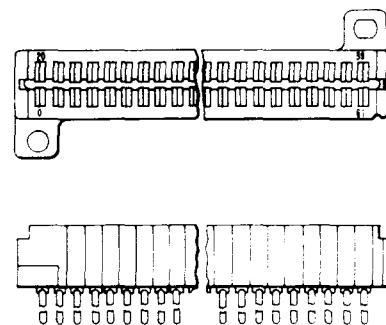


Fig. 9—914A or D Connector

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(b) **914B:** The 914B connector (Fig. 10) has contacts on the wiring end which are arranged for mounting on printed circuit boards. This connector is used on the 400 series key telephone units.



Fig. 10—914B Connector

(d) **914D:** The 914D connector (Fig. 9) is provided with 12 normally open contacts and 16 normally closed contacts. This connector is used on the 1A2 Key Telephone System.

(c) **914C:** The 914C connector (Fig. 11) is used on the 598A panel.

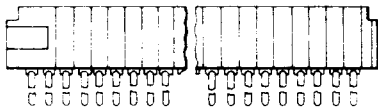


Fig. 11—914C Connector