

**NONCODED CONNECTORS—P-267188, P-47C328,
P-47C329, AND KS-13836 THROUGH KS-14525**

DESCRIPTION

1. GENERAL

1.01 This section lists and illustrates noncoded connectors within the part or type number range of P-267188, P-47C328, P-47C329, and KS-13836 through KS-14525, used for the maintenance and operation of equipment in central offices.

1.02 This section is being reissued for the following reasons:

- (1) To add the KS-14159, L1 connector.
- (2) To update to the standard BSP format.
- (3) To divide this section into smaller sections for easier access and maintainability.

Since this is a major revision, revision arrows have been omitted.

1.03 Information previously shown in Issue 5 of this practice is now provided in the following sections:

SECTION	TITLE
032-300-105	Noncoded Connectors—KS-14528 Through KS-16370
032-300-110	Noncoded Connectors—KS-16409 Through KS-19081
032-300-115	Noncoded Connectors—KS-19087 Through KS-19088
032-300-120	Noncoded Connectors—KS-19163 Through KS-19198

SECTION	TITLE
032-300-125	Noncoded Connectors—KS-19278 Through KS-19281
032-300-130	Noncoded Connectors—KS-19331 Through KS-19770
032-300-135	Noncoded Connectors—KS-19771 Through KS-20144
032-300-138	Noncoded Connectors—KS-20201 Through KS-20262
032-300-140	Noncoded Connectors—KS-20265 Through KS-20633
032-300-145	Noncoded Connectors—KS-20635 Through KS-20863
032-300-150	Noncoded Connectors—KS-20867 Through KS-21271
032-300-155	Noncoded Connectors—KS-21274 Through KS-21442
032-300-160	Noncoded Connectors—KS-21443 Through KS-21813
032-300-165	Noncoded Connectors—KS-21869 Through KS-22066
032-300-170	Noncoded Connectors—KS-22148 Through KS-22506

2. DESCRIPTION OF NONCODED CONNECTORS

2.01 P-267188: The P-267188 connector (Fig. 1) has 8 contacts and is used in L Carrier Telephone Systems.

NOTICE

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

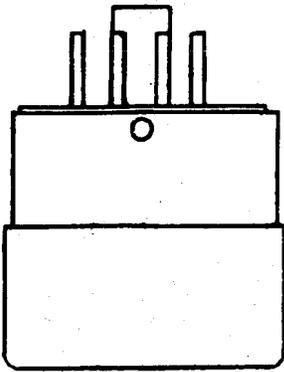


Fig. 1—P-267188 Connector

2.02 **P-47C328:** The P-47C328 connector (Fig. 2) has 35 contacts and is used with the KS-14554, L1, connector.

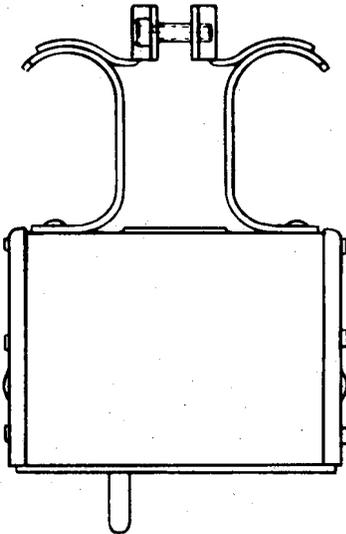


Fig. 2—P-47C328 Connector

2.03 **P-47C329:** The P-47C329 connector (Fig. 3) has 35 contacts and is used with the KS-14555, L1, connector.

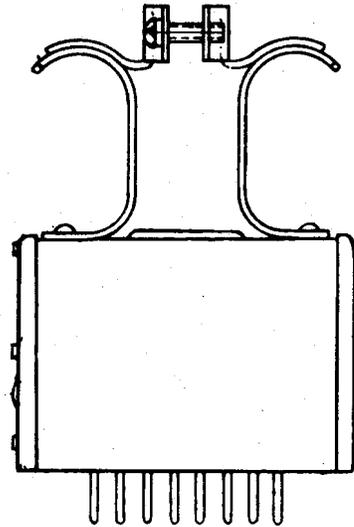


Fig. 3—P-47C329 Connector

2.04 **KS-13836, L1 and L2:** These are single-contact coaxial connectors (Fig. 4) and are used with W2DF and W2DG cords.

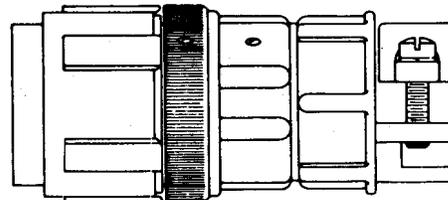


Fig. 4—KS-13836, L1 or L2 Connector

(a) **KS-13836, L1:** The KS-13836, L1, connector consists of an assembly of a plug and a clamp having set screws for locking the assembly nut and clamp to the shell.

(b) **KS-13836, L2:** The KS-13836, L2, connector consists of an assembly of a plug and a clamp having set screws for locking the assembly nut and clamp to the shell. This connector has a red lacquer band around the plug shell.

2.05 **KS-14159, L1:** The KS-14159, L1, connector (Fig. 5) consists of a molded rectangular block, equipped with 20 gold-plated brass terminals, which

is mounted on a U-shaped bracket. The connector is for use with the KS-13875 plug on the KS-13834 perforator in No. 5 Crossbar Systems.

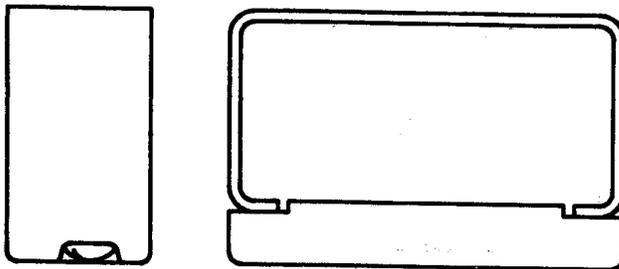


Fig. 5—KS-14159, L1 Connector

2.06 KS-14160, L1 Through L4: The KS-14160-type connectors (Fig. 6) consist of a molded insulating block, equipped with 20 gold-plated brass terminals and 2 shouldered mounting screws which enable the body to float when mounted. These connectors will mate with the KS-14173 jack.

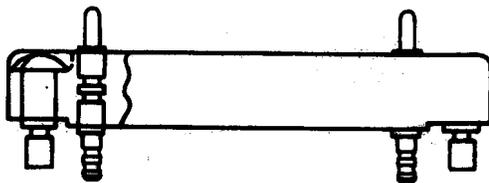


Fig. 6—KS-14160, L1 Through L4 Connector

- (a) **KS-14160, L1:** The KS-14160, L1, connector is equipped with solder type terminals.
- (b) **KS-14160, L2:** The KS-14160, L2, connector is equipped with solderless wrap terminals.

(c) **KS-14160, L3:** The KS-14160, L3, connector is equipped with solder type terminals. The shouldered mounting screws are not furnished. This connector is intended for mounting, with provisions for float equivalent to that provided with the shouldered screws.

(d) **KS-14160, L4:** The KS-14160, L4, connector is equipped with solderless wrap terminals. The shouldered mounting screws are not furnished. This connector is intended for mounting, with provisions for float equivalent to that provided with the shouldered screws.

2.07 KS-14340: The KS-14340 connector (Fig. 7) is a polarized, female connector, consisting of a molded rectangular block of insulating material equipped with six silver-plated contacts. The terminal side of this assembly is enclosed in a metal cover with a cable entrance hole and clamp. This connector will mate with the KS-14297 connector. The KS-14340 connector is used on patching cords with test equipment for the TD2, Radio Relay System.

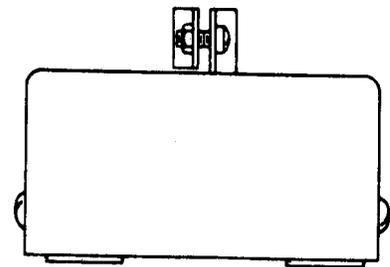


Fig. 7—KS-14340 Connector

2.08 KS-14380: The KS-14380 connector (Fig. 8) consists of a rectangular block of molded insulating material equipped with 20 gold-plated, brass terminals and a guide socket. The connector is arranged for panel mounting behind a gasket to permit pressure sealing. The gasket is not furnished as a part of the connector. This connector mates with the KS-14173 jack and similar jacks.

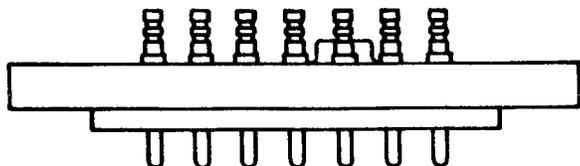


Fig. 8—KS-14380 Connector

2.09 KS-14523, L1 Through L16: The KS-14523-type (Fig. 9) are female, pin-type connectors. Colors of insulation are identified by the list numbers in Table A.

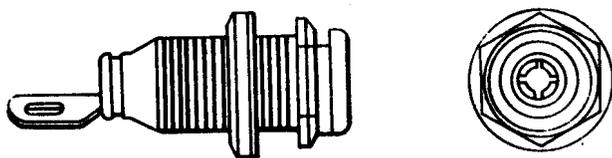


Fig. 9—KS-14523-Type Connector

TABLE A

KS-14523 LIST NO.	COLOR
1, 8, 9, 16	White
2, 10	Red
3, 11	Black
4, 12	Brown
5, 13	Green
6, 14	Orange
7, 15	Marine Blue

(a) **KS-14523, L1 Through L7:** The KS-14523, L1 through L7, are pin-type connectors, designed to accommodate 0.080-inch diameter pins. These connectors have silver-plated contacts and colored nylon insulation. These connectors are primarily used in various units in the O Carrier Systems.

(b) **KS-14523, L8:** The KS-14523, L8 connector contact is gold-plated.

(c) **KS-14523, L9 Through L16:** These connectors are not equipped with nuts and lockwashers.

2.10 KS-14524, L1 Through L11: The KS-14524, L1 through L11, connectors are miniature male connectors, each consisting of a molded block of low-loss, mica-filled, thermosetting plastic having gold-plated terminals.

(a) **KS-14524, L1:** The KS-14524, L1, connector is provided with 15 terminals suitable for solder connections. This connector is used in reversible filters in OB Carrier Systems

(b) **KS-14524, L2:** The KS-14524, L2, connector is provided with 14 terminals suitable for solder connections. This connector is used in reversible filters in OB Carrier Systems.

(c) **KS-14524, L3:** The KS-14524, L3, connector is provided with 15 terminals suitable for solder connections. This connector is used in E2 and E3 telephone repeaters in Common Systems.

(d) **KS-14524, L4:** The KS-14524, L4, connector is provided with 14 terminals suitable for solder connections. This connector is for general telephone use.

(e) **KS-14524, L5:** The KS-14524, L5, connector is provided with 15 terminals suitable for solder connections. This connector has terminals that are bent on the wiring side, and is provided with screws and nuts for mounting. This connector is for general telephone use.

(f) **KS-14524, L6:** The KS-14524, L6, connector (Fig. 10) is provided with 15 terminals suitable for solder connections. This connector is also provided with a metal cover, equipped with a cable clamp on the side, and is provided with screws and lockwashers for mounting. The KS-14524, L6, connector is used in computer servo units.

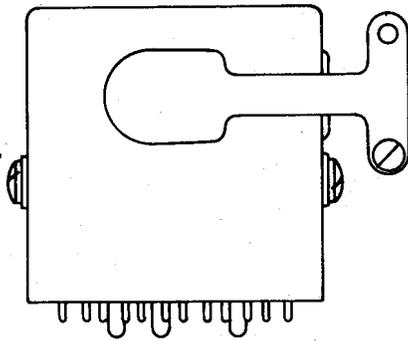


Fig. 10—KS-14524, L6 Connector

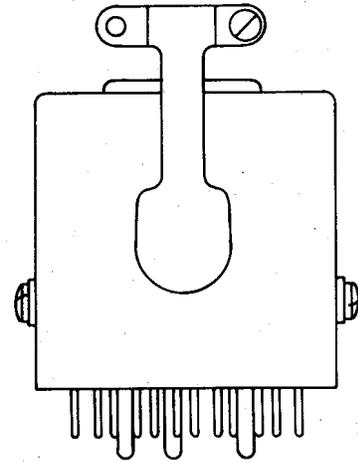


Fig. 11—KS-14524, L8 Connector

(g) **KS-14524, L7:** The KS-14524, L7, connector is provided with 15 terminals suitable for solder connections. This connector is also provided with a metal cover, equipped with a cable clamp on the top, and has terminals that are recessed in the cover. The KS-14524, L7, connector is provided with screws and lockwashers for mounting. The connector is used with the W16A cord in the TD-2 Radio Relay System.

(h) **KS-14524, L8:** The KS-14524, L8, connector (Fig. 11) is provided with 15 terminals suitable for solder connections. This connector is also provided with a metal cover, equipped with a cable clamp on the top. The KS-14524, L8, connector is provided with screws and lockwashers for mounting.

(i) **KS-14524, L9:** The KS-14524, L9, connector has 15 terminals of special design for fabrication into a packaged unit. Self tapping screws are used for mounting.

(j) **KS-14524, L10:** The KS-14524, L10, connector is provided with 15 terminals suitable for solder connections. The connector is provided with screws and lockwashers for mounting.

(k) **KS-14524, L11:** The KS-14524, L11, connector has 15 terminals of special design for fabrication into a packed unit. Self-tapping screws are used for mounting.

2.11 **KS-14525, L1 Through L5:** The KS-14525, L1 through L5 connectors are 15-contact miniature female connectors, each consisting

SECTION 032-300-101

of a molded block of low-loss, mica-filled, thermosetting plastic, having gold-plated connecting parts.

(a) **KS-14525, L1:** The KS-14525, L1, connector (Fig. 12) is arranged for solder connections. The connector is intended for use with the KS-14524, L1, connector in reversible filters in OB Carrier Systems.

(b) **KS-14525, L2:** The KS-14525, L2, connector (Fig. 12) is arranged for solder connections. The connector is used with the KS-14524, L1 connector in reversible filters in OB Carrier Systems. The KS-14525, L2, connector is used in E2 and E3 repeater shelves in Common Systems.



Fig. 12—KS-14525, L1 or L2 Connector

(c) **KS-14525, L3:** The KS-14525, L3, connector (Fig. 13) is arranged for solder connections and is provided with metal covers which are equipped with cable clamps on the side and top. This connector is for general telephone use.

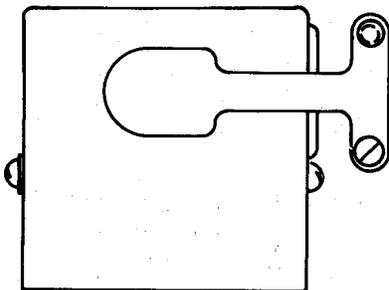


Fig. 13—KS-14525, L3 Connector

(d) **KS-14525, L4:** The KS-14525, L4, connector (Fig. 14) is arranged for solder connections and is for general telephone use. The KS-14525, L4, connector replaces the KS-14742 and KS-13598 connectors.

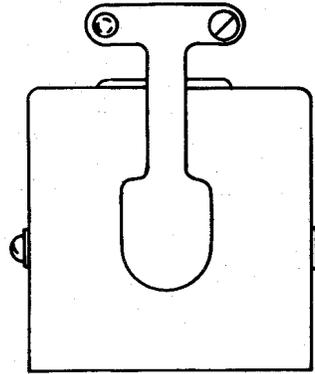


Fig. 14—KS-14525, L4 Connector

(e) **KS-14525, L5:** The KS-14525, L5, connector (Fig. 15) is arranged for mechanically wire-wrapped connections, suitable for two wraps of No. 24 gauge wire. The connector is for use with the 227A and B amplifiers in Common Systems.

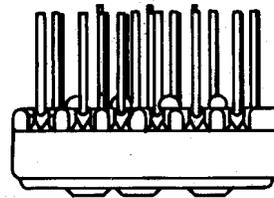


Fig. 15—KS-14525, L5 or L6 Connector

(f) **KS-14525, L6:** The KS-14525, L6, connector (Fig. 15) is used in V4 repeater shelves.