

# NONCODED CONNECTORS—KS-22148 THROUGH KS-22506

## DESCRIPTION

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### 1. GENERAL

1.01 This section lists and illustrates noncoded connectors within the part or type number range of KS-22148 through KS-22506, used for the maintenance and operation of equipment in central offices.

1.02 The information provided in this section was previously shown in Section 032-300-101, Issue 5. In addition, the following connectors were added to this section:

- KS-22149, L1 through L5
- KS-22231, L1 and L2
- KS-22324, L1 and L2
- KS-22334, L1 through L4
- KS-22506, L1.

The Equipment Test List is not affected.

### 2. DESCRIPTION OF CONNECTORS

2.01 **KS-22148, L1 Through L5:** The KS-22148-type (Fig. 1) are multicontact, miniature ribbon receptacles with several lists available for various termination methods. The various terminations available are: solder connection of 24- or 26-gauge solid or stranded conductors; solderless connection of 24- or 26-gauge solid conductor; soldering to surfaces of printed circuit boards.

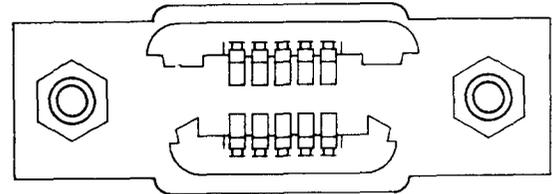


Fig. 1—KS-22148-Type Connector

2.02 **KS-22149-Type:** The KS-22149-type miniature ribbon connectors are multicontact plugs consisting of a plastic body and 10 copper alloy, gold-finished, polarized contacts. These connectors are to mate with the KS-22148-type receptacles. The list numbers designate various termination methods.

(a) **KS-22149, L1:** This connector (Fig. 2) has a center entry hood and has a solder termination.

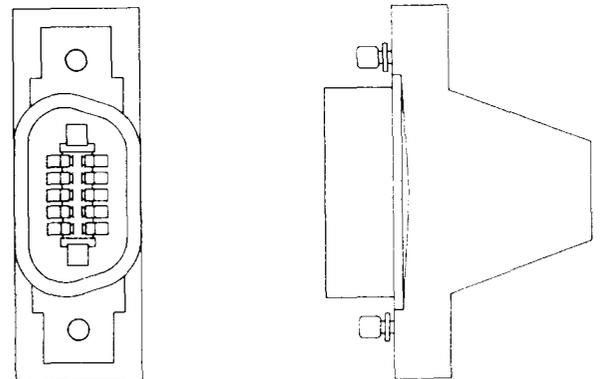


Fig. 2—KS-22149, L1 Connector

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(b) **KS-22149, L2:** This connector (Fig. 3) has a solderless termination.

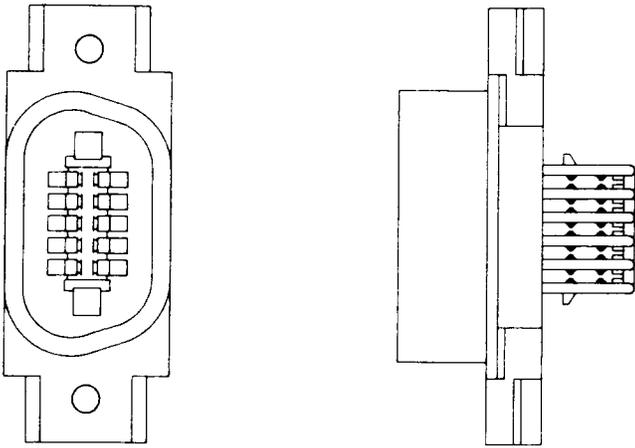


Fig. 3—KS-22149, L2 Connector

(d) **KS-22149, L4:** This connector (Fig. 5) is for soldering to a printed circuit board at a right angle.

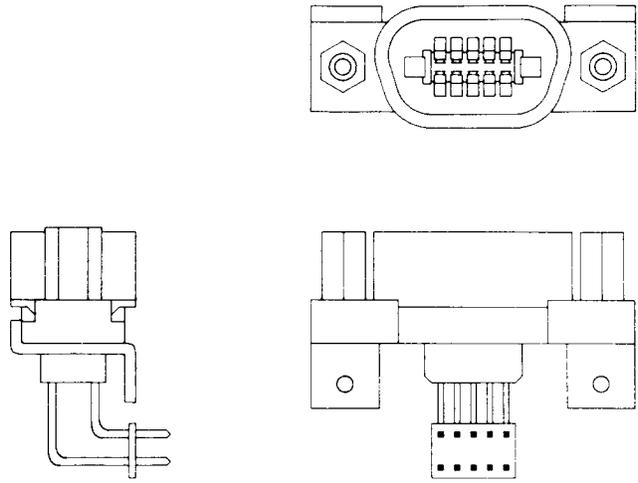


Fig. 5—KS-22149, L4 Connector

(c) **KS-22149, L3:** This connector (Fig. 4) provides for soldering to the surface of a printed circuit board.

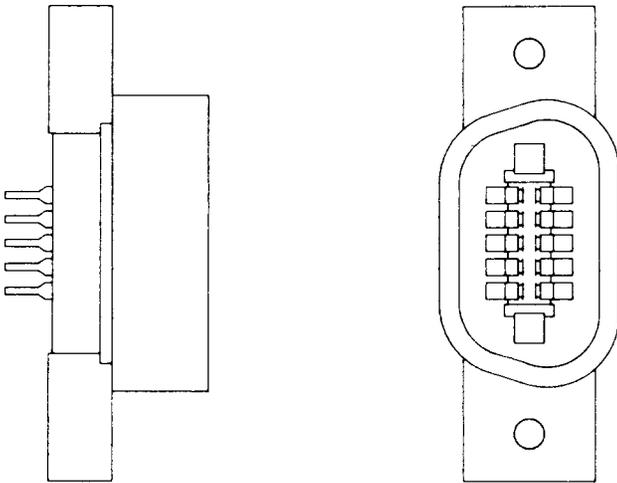


Fig. 4—KS-22149, L3 Connector

(e) **KS-22149, L5:** This connector (Fig. 6) has a solder termination.

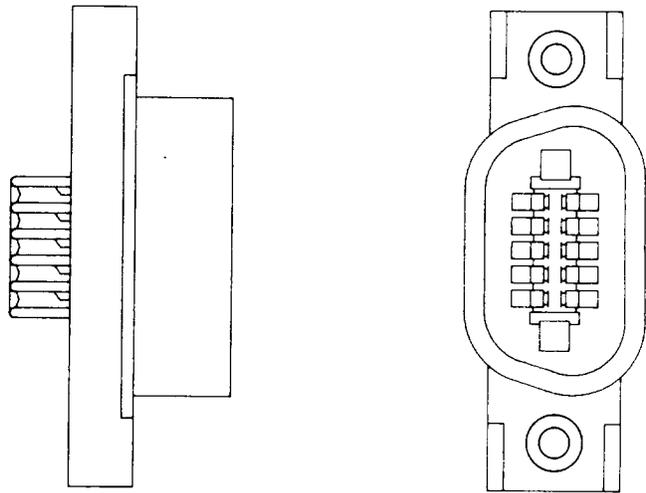


Fig. 6—KS-22149, L5 Connector

**2.03 KS-22231, L1 and L2:** The KS-22231, L1 and L2 (Fig. 7) are polarized, female connectors consisting of a molded block of insulating material, equipped with pretensioned contacts arranged in two equal rows. The wiring ends of the contacts are intended for solder connections. These connectors are similar, except in size and the holes in the body of the connectors are parallel to the terminals in the KS-22231, L2 and perpendicular in the KS-22231, L1. The KS-22231, L1 and L2 connectors are used on the Analog Data System (ADS). The L1 is provided with a KS-22231, L3 polarizing key.

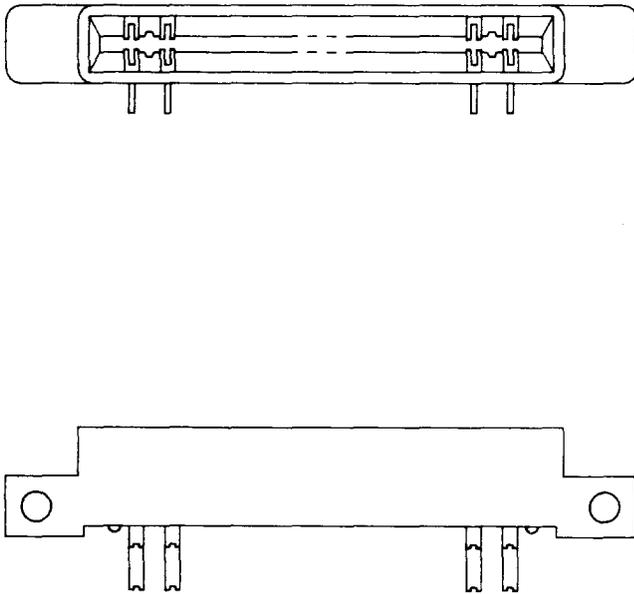


Fig. 7—KS-22231, L1 or L2 Connector

**2.04 KS-22323, L1 and L2:** The KS-22323, L1 and L2, connectors (Fig. 8) are N type, 50-ohm receptacles (captive female center conductors), used for mating with N-type plugs having a male center conductor. The connectors have a passivated, stainless steel body, and a gold-plated center conductor.

(a) **KS-22323, L1:** The KS-22323, L1 connector is used in FR2 Microwave Radio Systems.

(b) **KS-22323, L2:** The KS-22323, L2 connector is used in 700A,B, and C integrated circuit amplifiers.

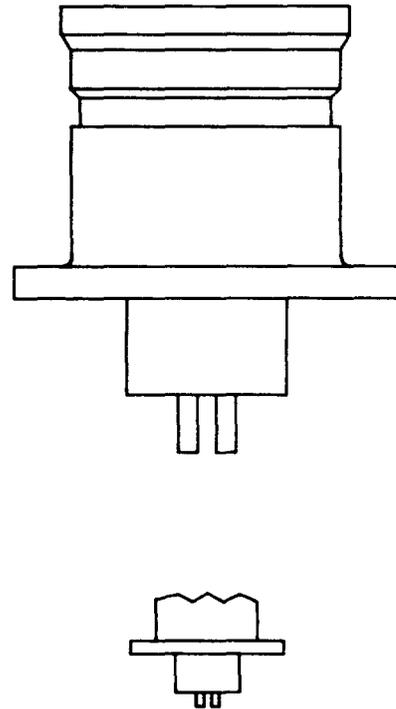
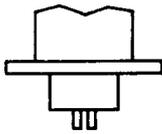
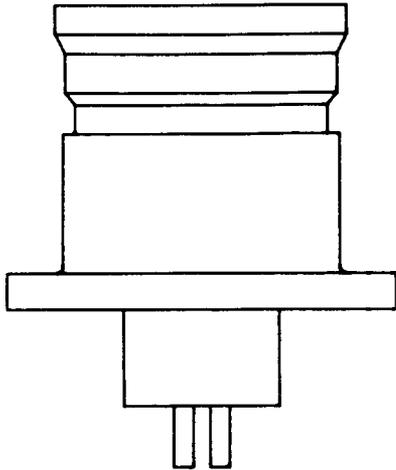


Fig. 8—KS-22323, L1 or L2 Connector

**2.05 KS-22324, L1 and L2:** The KS-22324, L1 and L2 connectors (Fig. 9) are N-type, 50-ohm, receptacles (captive male center conductor) used for mating with N-type jacks having a female center conductor. These connectors have a passivated, stainless steel body and a gold-plated center conductor.



(a) **KS-22324, L1:** The KS-22324, L1 connector is used in FR2 Microwave Radio Systems.

(b) **KS-22324, L2:** The KS-22324, L2 connector is used in 700A, B, and C integrated circuit amplifiers.

**2.06 KS-22334-Type:** The KS-22334, L1 through L4 are multicontact, miniature ribbon connectors used for panel mounting. The connectors are of high impact, self-extinguishing thermoplastic material. The connector contacts have a hard gold-plated finish and will accept unstripped insulated wires. The connectors are also available in thermoset insulating material with terminals equipped for solder connections. For more information, see Table A.

Fig. 9—KS-22324, L1 or L2 Connector

TABLE A

KS-22334 LIST NO.	NO. OF CONTACTS	KS-16904 DUST COVER	FIG NO.	PRIMARY USE
1	50	4	10	—
2	50	4	11	—
3	64	5	10	1A ESS
4	64	5	11	1A ESS

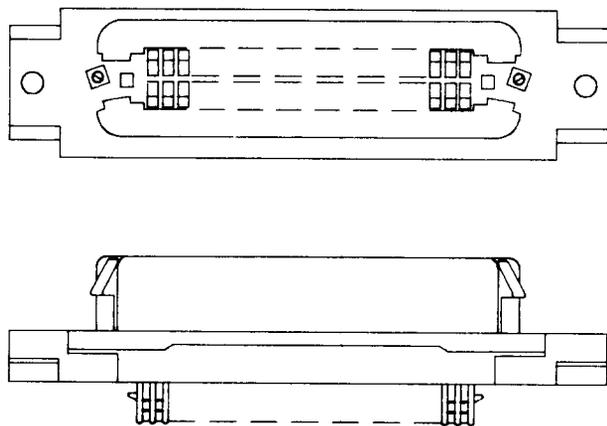


Fig. 10—KS-22334, L1 or L3 Connector

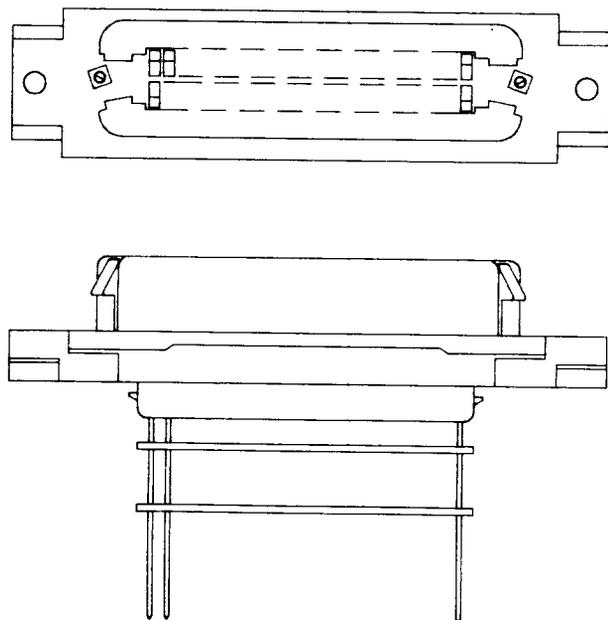


Fig. 11—KS-22334, L2 or L4 Connector

**2.07 KS-22506, L1:** The KS-22506, L1 tape cable connector (Fig. 12) is a molded block of insulating material with one or two rows of split-beam (quick-connect) terminals. This connector mates with .025 inch, square terminals, in a pin field on a .125-inch grid. A strain relief for the tape cable is part of the molded block. This connector has 2 rows of 10 contacts. This connector is used with the DIMENSION® Private Branch Exchange (PBX) and terminates to a 902A cable.

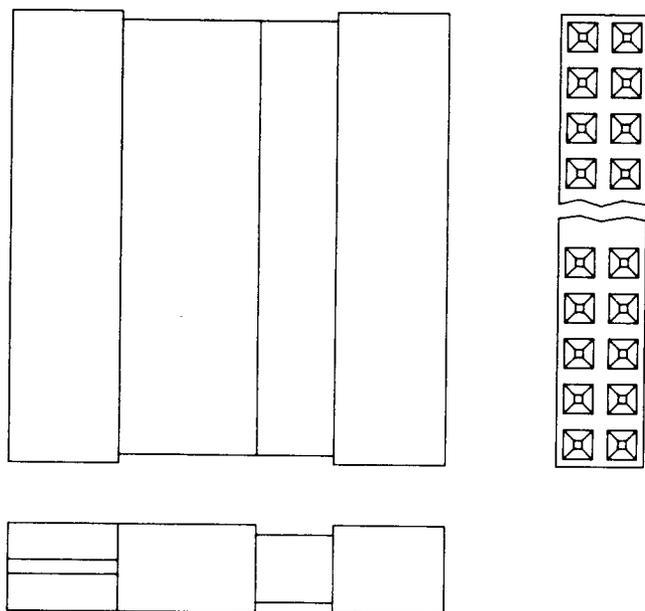


Fig. 12—KS-22506, L1 Connector