

NONCODED CONNECTORS
KS-21443 THROUGH KS-21813
DESCRIPTION

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1. GENERAL

1.01 This practice describes noncoded connectors within the part or type number range of KS-21443 through KS-21813, used for the maintenance and operation of equipment in central offices.

1.02 Revision arrows are used to emphasize significant changes. This practice is reissued to add KS-21479, L18 through L34, connectors.

2. DESCRIPTION OF CONNECTORS

2.01 **KS-21443, L3 Through L7:** The KS-21443-type connectors are multicontact, miniature ribbon plugs. These connectors may be equipped with end cable entry covers intended for the termination of jacketed cable or midcable splicing cover (half-tap). Both the plug and mating receptacle contain a captive screw for locking mated connectors. For more information, see Table A.

TABLE A		
KS-21443 LIST NO.	FIG. NO.	NO. OF CONTACTS
3	1	50
4	1	50
5	2	64
6	3	50
7	3	64

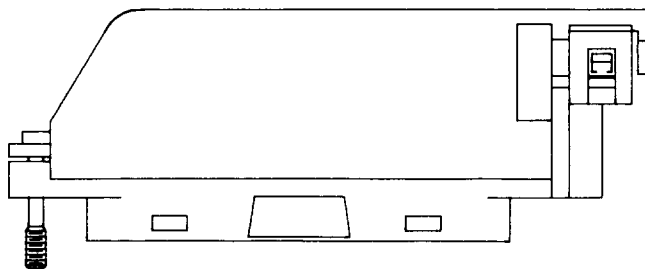


Fig. 1—KS-21443, L3 or L4, Connector

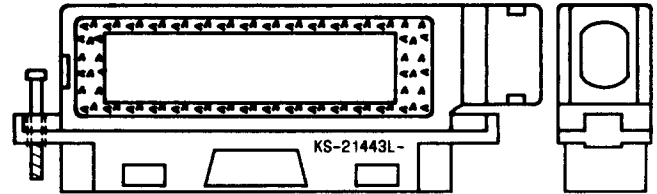


Fig. 2—KS-21443, L5, Connector

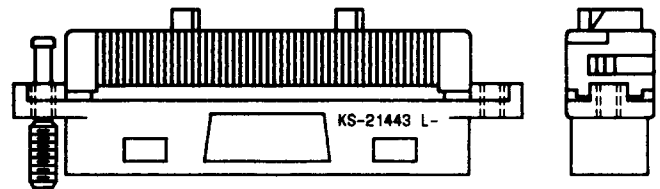


Fig. 3—KS-21443, L6 or L7, Connector

2.02 **KS-21479, L1 Through L34:** The KS-21479-type connectors (Fig. 4) consist of a molded insulator, equipped with contacts arranged in two equal rows and are intended to mate with nominal 0.062 inch thick printed wiring boards having gold fingers. For more information, see Table B.

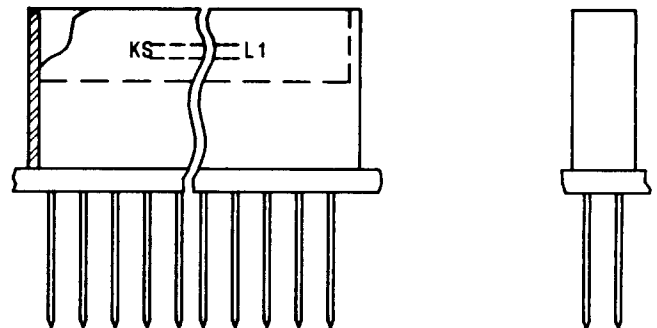


Fig. 4—KS-21479, L1 Through L34, Connector

♦TABLE B♦		
KS-21479 LIST NO.	NO. OF TERMINALS	PRIMARY USE
1	100	Customer Switching System (CSS) 201 Main Eqpt
2	60	CSS 201 Console
3	—	General Use
4	50	510A Data Service Unit
5	72	Alarm Systems
6	54	D4 Channel Bank
7	54	D4 Channel Bank
8	54	D4 Channel Bank
9	54	D4 Channel Bank
10	54	SLC*-96 Subscriber Loop Carrier System
11	54	SLC-96 Subscriber Loop Carrier System
12	54	SLC-96 Subscriber Loop Carrier System
13	100	HORIZON® Communications System
14	60	Tie Cable Equipment
15	60	D4E Channel Bank
16	60	D4E Channel Bank
17	60	D4E Channel Bank
18		General Use
19	54	HORIZON® Communications System
20	54	SLC-96 Subscriber Loop Carrier System
21	54	SLC-96 Subscriber Loop Carrier System
22	54	SLC-96 Subscriber Loop Carrier System
23	50	L to T Carrier Interface
24	50	L to T Carrier Interface
25	54	SLC-96 Subscriber Loop Carrier System
26	60	Tie Cable Equipment
27	100	Metallic Facility Terminal -5 System
28	50	Metallic Facility Terminal -5 System
29	60	D4E Channel Bank/Tie Cable Equipment
30	50	SLC-5 Subscriber Loop Carrier System
31	100	SLC-5 Subscriber Loop Carrier System
32	50	G-Signaling Module
33	50	106A1 Data Mounting
34	20	106A1 Data Mounting

* Trademark of AT&T Technologies.

2.03 KS-21500, L1 Through L15: The KS-21500-type connectors (Fig. 5) are parallel-tap types, fabricated of aluminum or aluminum alloys. These connectors are for connecting copper or aluminum feeder cables to copper or aluminum tap cables by means of the KS-19964 crimping tool or an approved hand tool with a 5/8-inch die.

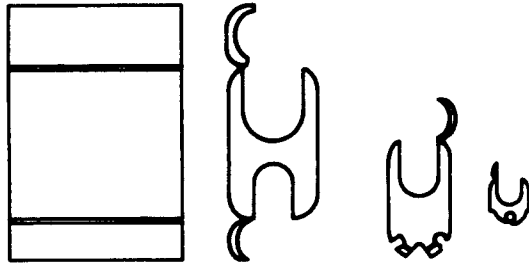


Fig. 5—KS-21500, L1 Through L15, Connector

2.04 KS-21529, L1: The KS-21529, L1, polarized female connector (Fig. 6) consists of a molded insulating block equipped with 60, pretensioned contacts. The wiring ends of the contacts are arranged for wire wrapped connections. The connector is used in the K2 power converter of the 4ESS* switch and connects to a printed wiring board.

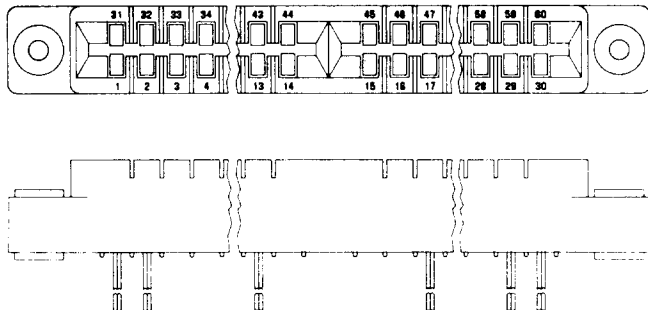


Fig. 6—KS-21529, L1, Connector

2.05 KS-21530, L1: The KS-21530, L1, polarized, female connector (Fig. 7) consists of a molded, insulating block containing 56 contact terminals. The wiring end of the connector is arranged for solder connections. The connector is used with the processor frame in the 1A ESS switch.

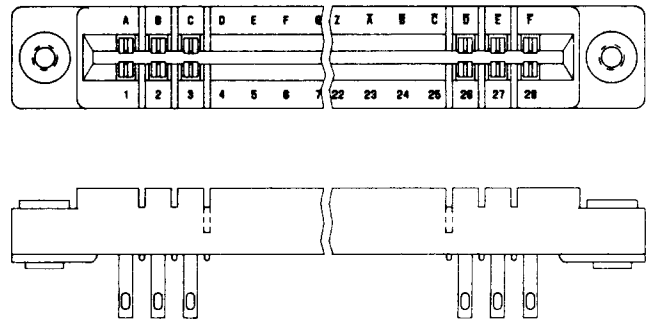


Fig. 7—KS-21530, L1, Connector

2.06 KS-21531, L1: The KS-21531, L1, female connector (Fig. 8) is a molded block containing 20 contacts in two equal rows. It mates with double-sided printed wiring boards with gold-plated fingers.

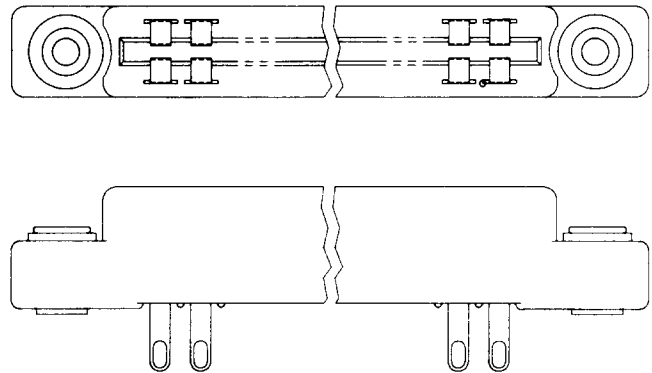


Fig. 8—KS-21531, L1, Connector

2.07 KS-21532, L6: The KS-21532, L6, female connector (Fig. 9) is a molded block of insulating material equipped with 36 spring-type contacts. The connector is used in the KS-20571 tape transport assembly, and mates with printed wiring boards with gold-plated fingers. The wiring end is equipped with solder eyelet terminals.

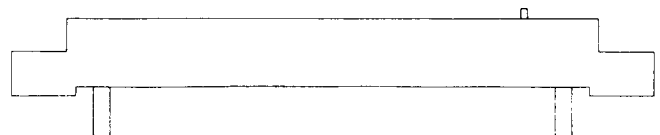


Fig. 9—KS-21532, L6, Connector

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2.08 KS-21574, L1: The KS-21574, L1, multicontact, miniature ribbon receptacle (Fig. 10) is used for panel mounting applications. It consists of a molded plastic block containing 50, beryllium-copper, polarized, gold over nickel-plated contacts. The connector has low strain relief which uses 26-gauge wire and is used in 4ESS switch.

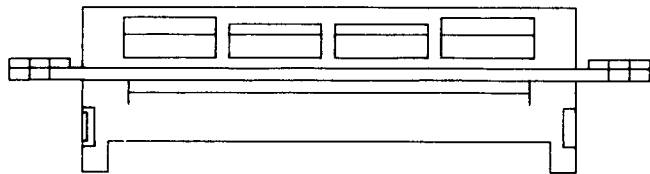


Fig. 10—KS-21574, L1, Connector

2.09 KS-21574, L2 and L3: These connectors have high profile strain relief.

(a) **KS-21574, L2:** This connector (Fig. 11) uses 26-gauge wire and is used in the 4ESS switch.

(b) **KS-21574, L3:** This connector (Fig. 11) uses 24-gauge wire and is used in the COM KEY® Key Telephone System.

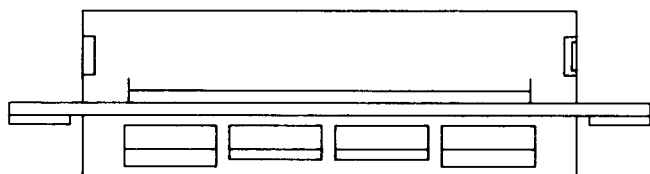


Fig. 11—KS-21574, L2 or L3, Connector

(c) **KS-21574, L4:** This connector (Fig. 12) has printed wiring board terminals and is used in the 4ESS switch.

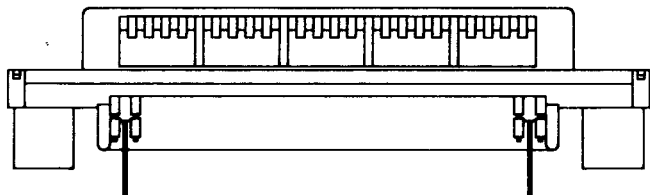


Fig. 12—KS-21574, L4, Connector

2.10 KS-21575, L1, L2, and L3: The KS-21575-type multicontact, miniature ribbon plugs are intended for panel mounting applications. They mate with the KS-21574 and KS-16672 miniature ribbon receptacles. These connectors consist of a plastic block containing 50, copper-beryllium, polarized, gold over nickel-plated contacts.

(a) **KS-21575, L1:** This connector (Fig. 13) uses 24-gauge wire, has a low strain relief, and is used in the 584C panel.

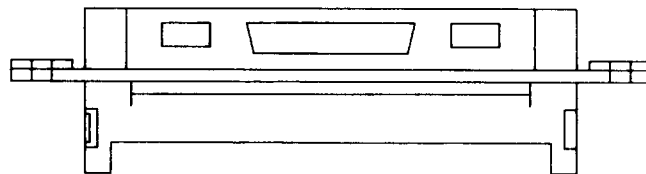


Fig. 13—KS-21575, L1, Connector

(b) **KS-21575, L2:** This connector (Fig. 14) is used with a printed wiring board in dataphones.

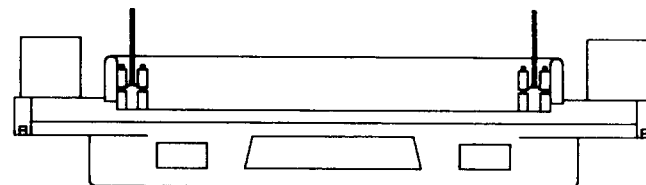


Fig. 14—KS-21575, L2, Connector

(c) **KS-21575, L3:** This connector (Fig. 15) uses 24-gauge wire and has high strain relief.

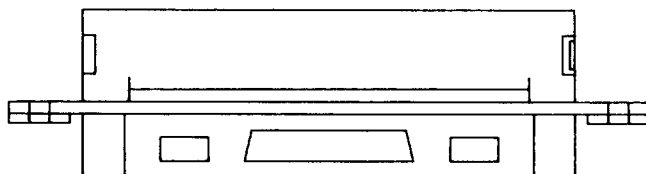


Fig. 15—KS-21575, L3, Connector

2.11 KS-21642, L1 and L2: The KS-21642, L1 and L2, coaxial connectors terminate KS-19224 coaxial cables. The body of the connectors consists of copper alloy, fused electro-plated, tin plating, and plastic sleeves.

(a) **KS-21642, L1:** This connector (Fig. 16) terminates the KS-19224, L1, coaxial cable.

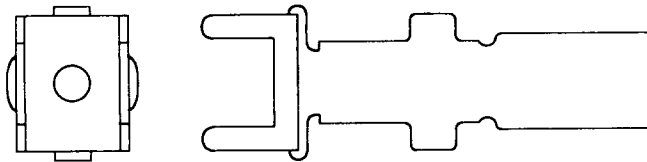


Fig. 16—KS-21642, L1, Connector

(b) **KS-21642, L2:** This connector (Fig. 17) terminates the KS-19224, L2, cable.

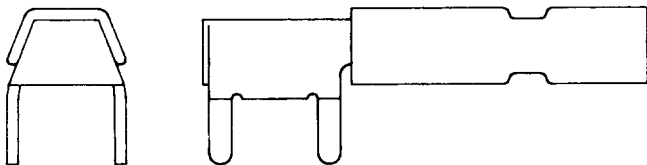


Fig. 17—KS-21642, L2, Connector

2.12 KS-21721, L1: The KS-21721, L1, coaxial connector (Fig. 18) is a 50-ohm, miniature, female, hermetically sealed, microwave integrated circuit launcher. This connector is a cylindrical threaded barrel that is mounted in the frame in a hole with mating threads. The body is made of corrosion resistant steel and the female center contact is copper beryllium.

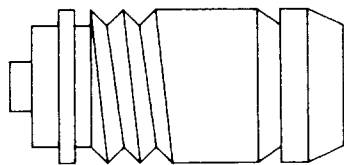


Fig. 18—KS-21721, L1, Connector

2.13 KS-21732, L1 Through L12: The KS-21732-type flex connectors (Fig. 19) are assemblies of conductors laminated between two layers of insulating materials. The KS-21732, L1 through L6, are for use in 208-, 212-, 113D-, and 103-type data sets, and 801C-L1/2 auxiliary set. For more information, see Table C.

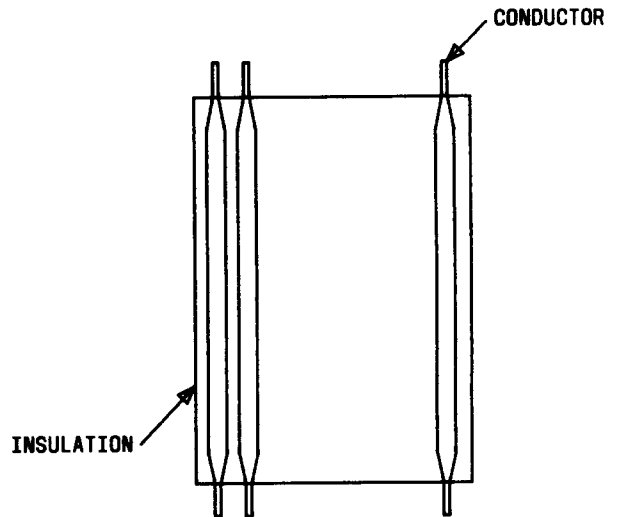


Fig. 19—KS-21732-Type Connector

TABLE C	
KS-21732 LIST NO.	NO. OF CONTACTS
1	13
2	14
3	16
4	7
5	9
6	10
7	8
8	13
9	13
10	9
11	10
12	10

2.14 **KS-21813, L1:** The KS-21813, L1 (Fig. 20) is a single-hole, bulkhead mounted, N-type coaxial connector having a female center contact and is arranged to terminate a 0.141 inch diameter semi-rigid coaxial cable. The connector will mount in bulkheads up to 0.25 inch thick.

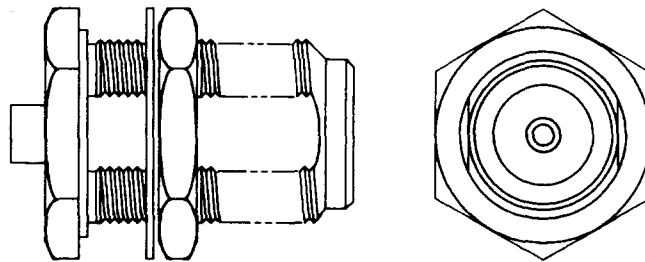


Fig. 20—KS-21813, L1, Connector