

NONCODED CONNECTORS—KS-20635 THROUGH KS-20863

DESCRIPTION

1. GENERAL

1.01 This section lists and illustrates noncoded connectors within the part or type number range of KS-20635 through KS-20863, 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. The following connectors were added to this section:

- KS-20635, L1
- KS-20668, L1 Through L16
- KS-20669, L1 Through L21
- KS-20803, L1
- KS-20804, L1 and L2.

2. DESCRIPTION OF CONNECTORS

2.01 KS-20635, L1: The KS-20635, L1 (Fig. 1) is a 50-ohm coaxial snap-on connector, equipped with a standard wiring terminal. This connector will mate with the KS-19183, KS-19184, and KS-19186 plugs. This connector is used on the 1 by 2 coaxial switch in the L5 Transmission System.

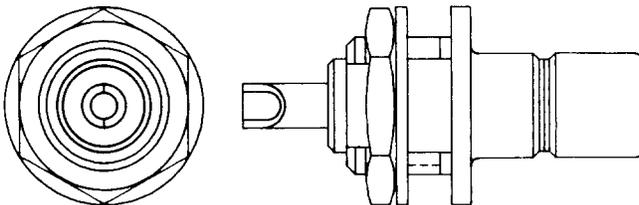


Fig. 1—KS-20635, L1, Connector

2.02 KS-20668, L1 Through L16: These connectors (Fig. 2) consist of a molded-plastic insulator containing gold-plated socket contacts. The L1 connector is furnished with a bracket for panel mounting. The L2 through L16 connectors have varying contact and indexing pin complements and are wired to serve as shorting plugs when mated with the appropriate KS-20669 connectors. These connectors are used in the 680 power plant for the L5 Carrier System. For more information, see Table A.

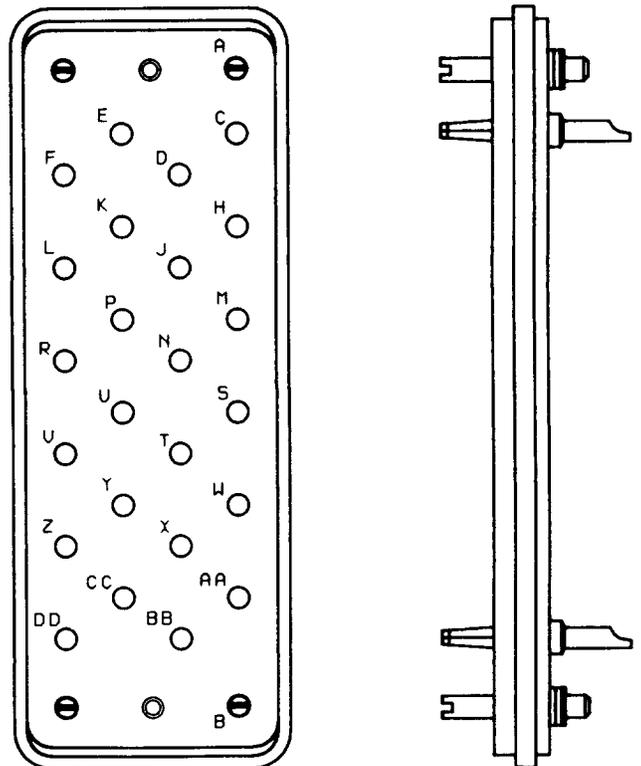


Fig. 2—KS-20668, L1 Through L16, Connectors

NOTICE

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TABLE A

KS-20668 LIST NO.	NO. OF CONTACTS	NO. OF INDEXING PINS	ACCESSORIES	MATES WITH CONNECTOR KS-20669 LIST NO.
1	24	—	A bracket and 1 male and female screw lock	1
2	6	2	A hood	2
3	6	2	A hood	3
4	8	1	A hood	2, 3, 4, 5
5	6	2	A hood	6
6	6	2	A hood	7
7	8	1	A hood	6, 7, 8, 9
8	6	2	A hood	10
9	6	2	A hood	11
10	8	1	A hood	10, 11, 12, 13
11	6	2	A hood	14
12	6	2	A hood	15
13	8	1	A hood	14, 15, 16, 17
14	6	2	A hood	18
15	6	2	A hood	19
16	8	1	A hood	18, 19, 20, 21

2.03 KS-20669, L1 Through L21: These connectors (Fig. 3) consist of molded-plastic insulators containing gold-plated pin contacts. The L1 connector is furnished with a hood, cable clamp, and screwlocks. The L2 through L21 connectors have

varying contact complements and are furnished with a bracket for panel mounting. These connectors are used in the 680 power plant for the L5 Carrier System. For more information, see Table B.

TABLE B

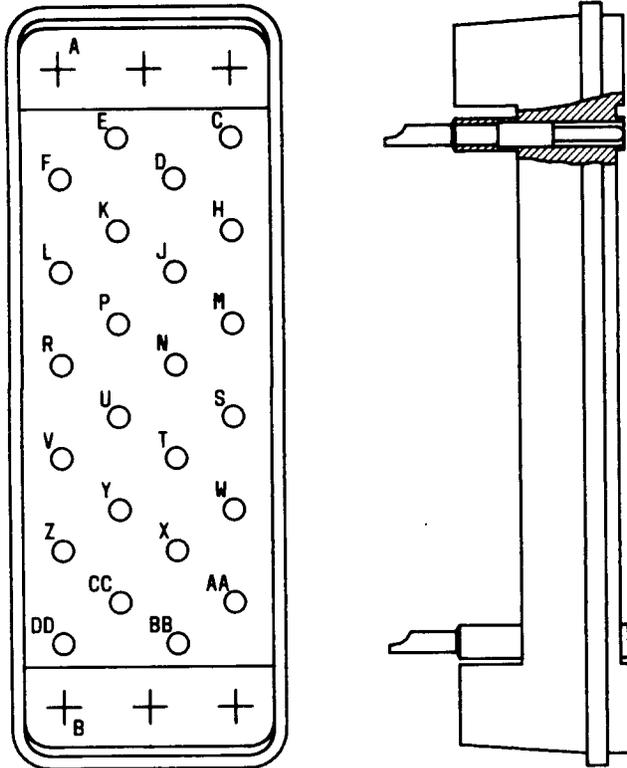


Fig. 3—KS-20669, L1 Through L21, Connectors

KS-20669 LIST NO.	NO. OF CONTACTS	ACCESSORIES	MATES WITH CONNECTOR KS-20668 LIST NO.
1	24	A hood with cable clamp, and 1 male and female screw lock	1
2	10	A bracket	2, 4
3	10	A bracket	3, 4
4	4	A bracket	4
5	8	A bracket	4
6	10	A bracket	5, 7
7	10	A bracket	6, 7
8	4	A bracket	7
9	8	A bracket	7
10	10	A bracket	8, 10
11	10	A bracket	9, 10
12	4	A bracket	10
13	8	A bracket	10
14	10	A bracket	11, 13
15	10	A bracket	12, 13
16	4	A bracket	13
17	8	A bracket	13
18	10	A bracket	14, 16
19	10	A bracket	15, 16
20	4	A bracket	16
21	8	A bracket	16

2.04 KS-20765, L1 Through L6: These receptacles consist of 50 gold-plated, ribbon contacts. They are polarized to insure mating with its corresponding plug. These receptacles mate with the KS-16671 or KS-16785 miniature ribbon plugs and are for surface mounting by two holes in the block.

(a) **KS-20765, L1:** This connector (Fig. 4) has a terminal barrier but no locking device and wire-type terminals. The receptacle is used in the No. 66 connector block.

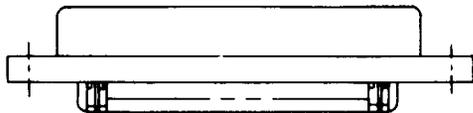


Fig. 4—KS-20765, L1, Connector

(b) **KS-20765, L2, L5, and L6:** The L6 connector contacts have 100 micro-inches of gold plating. The KS-20765 L2, L5, and L6 connectors (Fig. 5) have no terminal barriers or locking devices. For more information, see Table C.

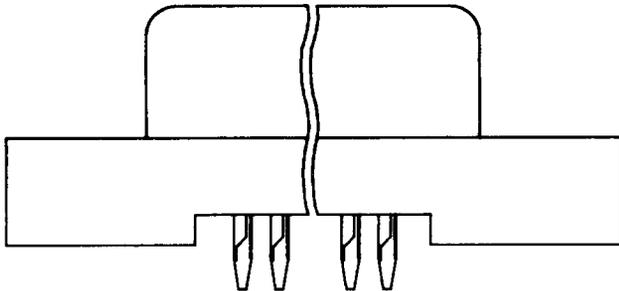


Fig. 5—KS-20765, L2, L5, or L6, Connector

TABLE C

KS-20765 LIST NO.	TERMINAL TYPE	USE
2	Printed Wiring Board	149D Adapter
5	Printed Wiring Board	Alarm Systems
6	Printed Wiring Board	No. 4 Electronic Switching System (ESS)

(c) **KS-20765, L3:** This connector (Fig. 6) has a terminal barrier, a locking device, and wire terminals. This connector is used in the Traffic Service Position System (TSPS) buffer frame.

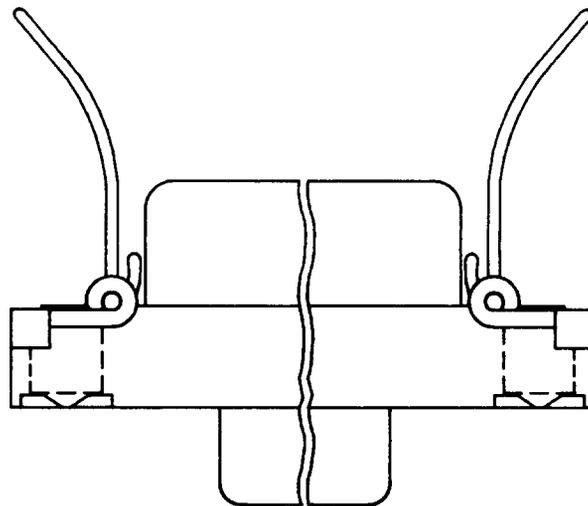


Fig. 6—KS-20765, L3, Connector

(d) **KS-20765, L4:** This connector (Fig. 7) has no terminal barrier but does have a locking device. It has printed wiring board terminals and is used with the recorded announcement frame.

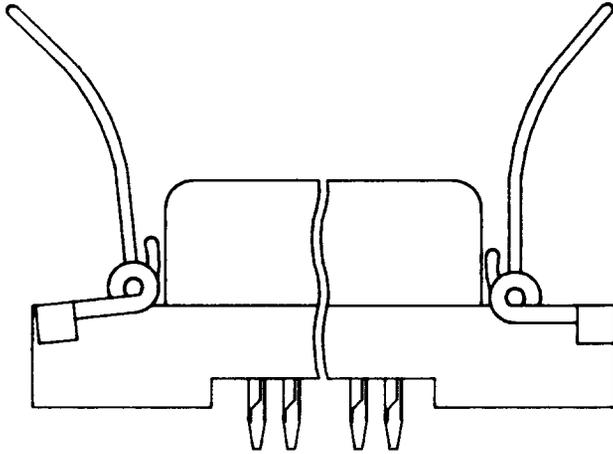


Fig. 7—KS-20765, L4, Connector

2.05 KS-20803, L1: The KS-20803, L1 (Fig. 8) is a miniature, "T" connector having a 50-ohm coaxial, snap-on, female connector and provision for connecting to two KS-19224, L2, cables. This connector mates with KS-19180, KS-19181, KS-19182, and similar-type connectors. This connector is used in the L Multiplex System.

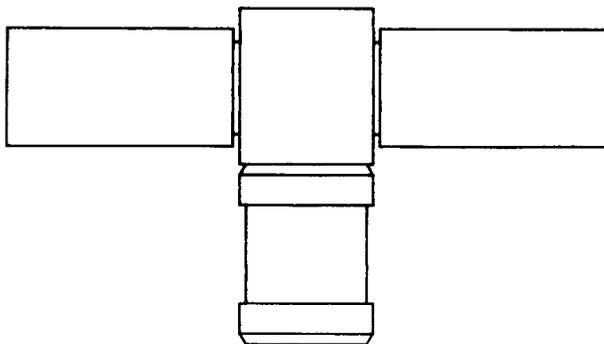


Fig. 8—KS-20803, L1, Connector

2.06 KS-20804, L1 and L2: These are miniature, 50-ohm, slide-on, coaxial connectors (Fig. 9) furnished with a lockwasher and hex nut for float mounting, and arranged to accommodate a KS-19224, L2, cable. The KS-20804, L1, mounts on .0625-inch panels. The KS-20804, L2, mounts on .090-inch panels. These connectors mate with KS-19894, KS-19180, and similar-type connectors. These connectors are used in the L Multiplex System.

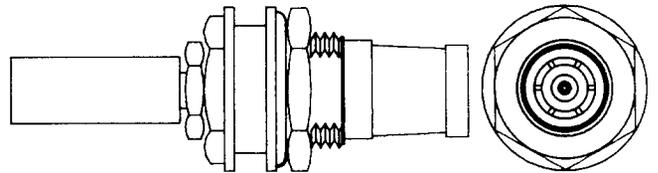


Fig. 9—KS-20804, L1 or L2, Connector

2.07 KS-20863-Type: These are miniature, 75-ohm bulkhead mounting, coaxial, snap-on connectors with male center pin contacts. The KS-20863-type connector mates with KS-19903, KS-19904, KS-19905, KS-20864, and KS-21175 plugs.

(a) **KS-20863, L1, L2, L11, L12, and L14:**
The KS-20863, L1, L2, L11, L14 (Fig. 10), and L12 (Fig. 11) connectors are provided with solderless shield connections. For more information, see Table D.

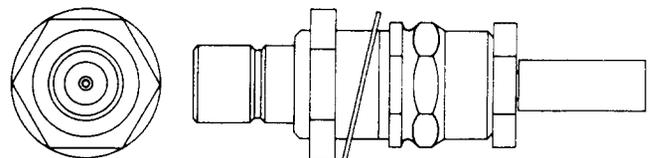


Fig. 10—KS-20863, L1, L2, L11, L14, Connector

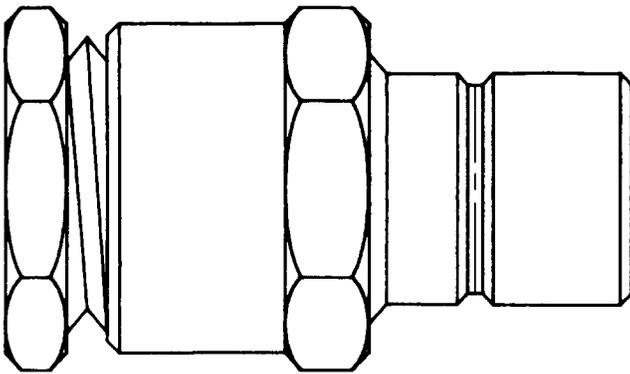


Fig. 11—KS-20863, L12, Connector

TABLE D

KS-20863 LIST NO.	INTENDED CABLE	USE
1	KS-21112, L2	No. 4 ESS
2	KS-19224, L2	L5 Carrier System
11	KS-19224, L2	L5 Carrier System
12	*	L5 Carrier System
14	728A	DSX-3 and DSX-4 Cross Connect Systems

*For 0.141 inch diameter semirigid coaxial cable.

(b) **KS-20863, L3:** The KS-20863, L3, right angle connector is provided with a solderless shield for connection to a KS-19224, L2, cable. The L3 connector must be terminated by KS-15710, L5, crimping tool. This connector is used in the J64090-type test sets.

(c) **KS-20863, L4:** The KS-20863, L4, connector (Fig. 12) is a standard receptacle with no ground terminal. This connector is used in the L5 Carrier Systems.

(d) **KS-20863, L5:** The KS-20863, L5, connector (Fig. 12) is a standard receptacle that has a solder-type ground terminal. This connector is used in the L5 Carrier Systems.

(e) **KS-20863, L6:** The KS-20863, L6, connector (Fig. 12) is a standard receptacle with a mounting nut provided. This connector is used in the L5 Carrier Systems.

(f) **KS-20863, L7:** The KS-20863, L7, connector is a right angle standard receptacle with a mounting nut provided. This connector is used in the J64090-type test sets.

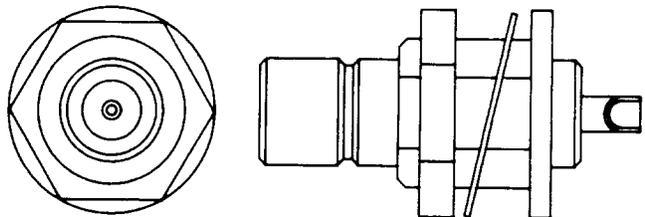


Fig. 12—KS-20863, L4, L5, L6, or L13, Connector

(g) **KS-20863, L8:** The KS-20863, L8, connector (Fig. 13) is a recessed receptacle with a mounting nut provided. This connector is used in the L5 Carrier System.

(h) **KS-20863, L9:** The KS-20863, L9 connector (Fig. 13) is a recessed receptacle with a mounting nut and solder-type ground terminal provided. This connector is used on the L5 Carrier Systems.

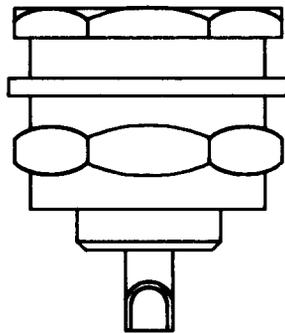
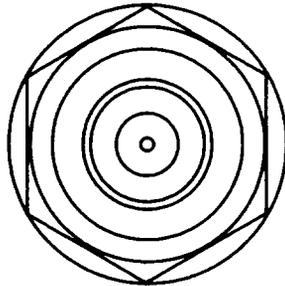


Fig. 13—KS-20863, L8 or L9, Connector

(i) **KS-20863, L10:** The KS-20863, L10, connector (Fig. 14) mounts to a printed wiring board and is used on the L4 Carrier Systems.

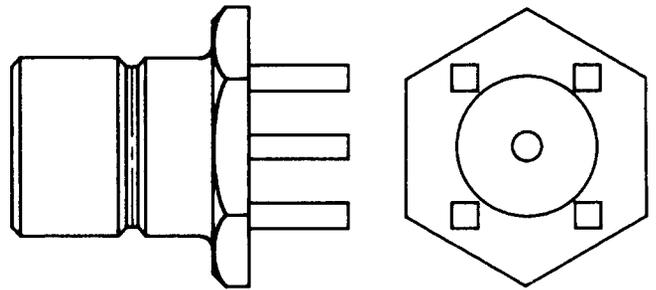


Fig. 14—KS-20863, L10, Connector

(j) **KS-20863, L13:** The KS-20863, L13, connector (Fig. 12) is a standard receptacle that is designed for bulkhead mounting. The KS-20863, L13, connector has slotted terminals and does not have a ground terminal. This connector is used on the L5 Carrier Systems.

(k) **KS-20863, L15:** The KS-20863, L15, connector mounts to a printed wiring board and is used on the J64090-type test sets.

(l) **KS-20863, L16:** The KS-20863, L16, right angle connector provides solderless shield connection to the 728A cable. The KS-20863, L16, connector is used in the DSX-3 and DSX-4 cross connects.