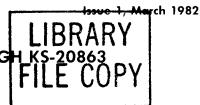
## NONCODED CONNECTORS—KS-20635 THROUG



## 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, Issue5. 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.

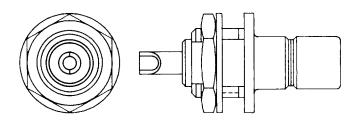


Fig. 1—KS-20635, L1, Connector

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.

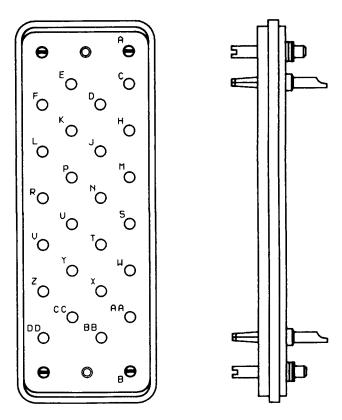


Fig. 2-KS-20668, L1 Through L16, Connectors

## **NOTICE**

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

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
1		•	1 male and	
∤ .			female	
			screw lock	
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

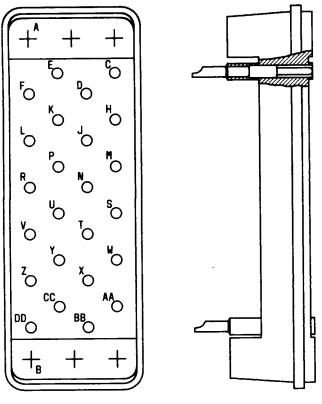


Fig. 3—KS-20669, L1 Through L21, Connectors

KS-20669 LIST NO.	NO. OF	ACCESSORIES	MATES WITH CONNECTOR KS-20668 LIST NO.
1	24	A hood with	1
		cable clamp,	ļ
		and 1 male	
		and female	
0	10	screw lock	0.4
2	10	A bracket	2, 4
3	10	A bracket	3, 4
4	4	A bracket A bracket	4
5 6	8 10		_
7	10	A bracket A bracket	5, 7
8	4	A bracket	6, 7 7
9	8	A bracket	7
10	10	A bracket	8, 10
10	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.

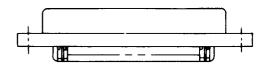


Fig. 4—KS-20765, L1, Connector

(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.

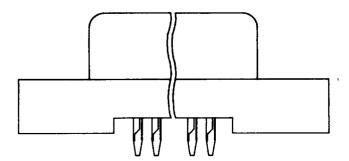


Fig. 5-KS-20765, L2, L5, or L6, Connector

TABLE C

KS-20765 LIST NO.	TERMINAL TYPE	USE
2 5 6	Printed Wiring Board Printed Wiring Board Printed Wiring Board	149D Adapter Alarm Systems 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.

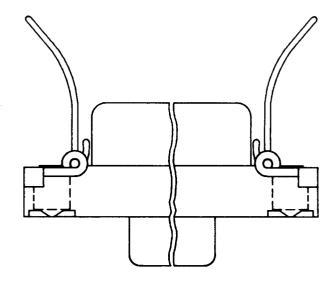


Fig. 6—KS-20765, L3, Connector

(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.

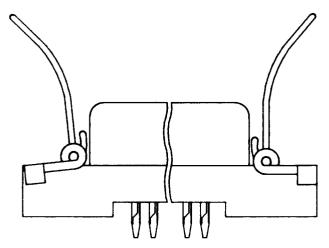


Fig. 7—KS-20765, L4, Connector

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.

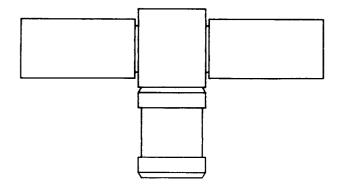


Fig. 8-KS-20803, L1, Connector

2.06 KS-20804, L1 and L2: These are minature, 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.

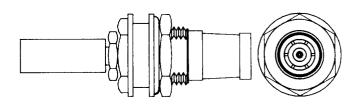


Fig. 9—KS-20804, L1 or L2, Connector

- 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 ae provided with solderless shield connections. For more information, see Table D.

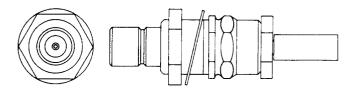


Fig. 10-KS-20863, L1, L2, L11, L14, Connector

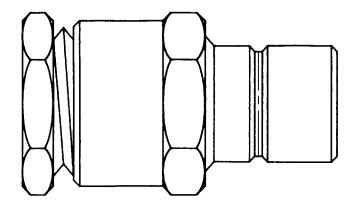


Fig. 11-KS-20863, L12, Connector

TABLE D

KS-20863 LIST NO.	INTENDED CABLE	USE
1 2 11 12 14	KS-21112, L2 KS-19224, L2 KS-19224, L2 * 728A	No. 4 ESS L5 Carrier System L5 Carrier System L5 Carrier System 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 recptacle 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.

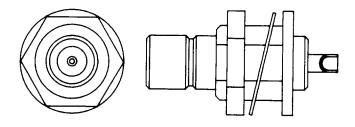
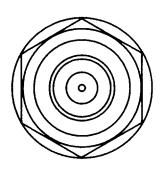


Fig. 12—KS-20863, L4, L5, L6, or L13, Connector

- (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.



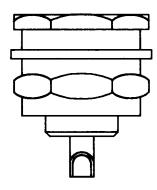


Fig. 13—KS-20863, L8 or L9, Connector

(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.

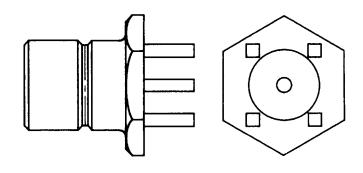


Fig. 14—KS-20863, L10, Connector

- (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.