

NONCODED CONNECTORS—KS-16409 THROUGH KS-19081 DESCRIPTION

LIBRARY
FILE COPY

1. GENERAL

1.01 This section lists and illustrates noncoded connectors within the part or type number range of KS-16409 through KS-19081, 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 KS-19081 connector was added to this section.

2. DESCRIPTION OF CONNECTORS

2.01 KS-16409-Type: The KS-16409-type are female, miniature type, multicontact connectors, consisting of a molded, resin block equipped with gold-plated, phosphor-bronze, free floating contacts mounted in a metal hood. These connectors are for use in central office equipment and similar applications. For more information on these connectors, see Table A.

TABLE A

KS-16409 LIST NO.	FIG. NO.	NO. OF CONTACTS	MATES WITH CONNECTORS KS-16370 LIST NO.
1	1	14	1, 2
2	2	18	3, 28
3	2	18	5
4	2	18	4, 44
5	3	20	6
6	3	20	8, 20
7	3	20	7, 45
8	4	21	9
9	4	21	9
10	5	34	10, 46
11	6	50	11, 14, 23
12	6	50	11, 14, 23
13	6	50	11, 14, 23
14	6	50	12, 13
15	7	75	17, 18, 25
16	7	75	15, 16, 19, 24
17	7	75	15, 16, 19, 24
18	7	75	15, 16, 19, 24
19	7	75	17, 18, 25
20	5	34	10, 46
21	1	14	1, 2, 37, 38, 43
22	8	7	21, 30
23	1	14	22
24	6	50	11, 14, 23

NOTICE

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

TABLE A (Contd)

KS-16409 LIST NO.	FIG NO.	NO. OF CONTACTS	MATES WITH CONNECTORS KS-16370 LIST NO.
25	6	50	11, 14, 23
26	7	75	15, 16, 19, 24
27	7	75	15, 16, 19, 24
28	6	50	11, 14, 23
29	9	12	26, 27
30	9	12	26, 27
31	2	18	3, 28
32	5	34	29
33	8	7	21, 30
34	4	21	34
35	5	34	31
36	2	18	33
37	5	34	32
38	7	75	35
39	1	14	36
40	2	18	3, 28
41	1	14	1, 2, 37, 38, 43
42	2	18	3, 28, 33
43	6	50	11, 14, 23, 39
44	7	75	17, 18, 25, 40
45	1	14	1, 2, 37, 38, 41, 43
46	3	20	8, 20
47	6	50	12, 13
49	2	18	3, 28
50	1	14	22
51	2	18	3, 28, 33
52	10	42	49
53	7	75	17, 18, 25, 40

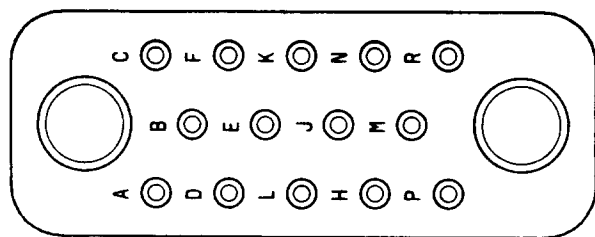


Fig. 1—KS-16409, L1, L21, L23, L39, L41, L45, or L50 Connector

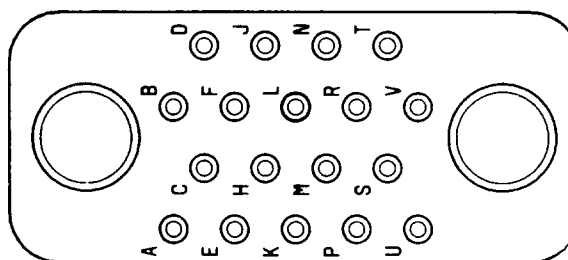


Fig. 2—KS-16409, L2, L3, L4, L31, L36, L40, L42, L49, or L51 Connector

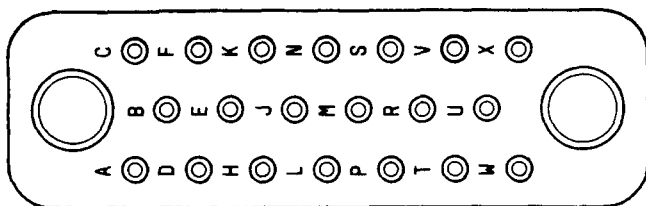


Fig. 3—KS-16409, L5, L6, L7, or L46 Connector

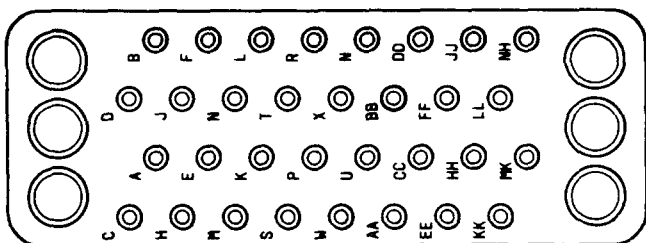


Fig. 4—KS-16409, L8, L9, or L34 Connector

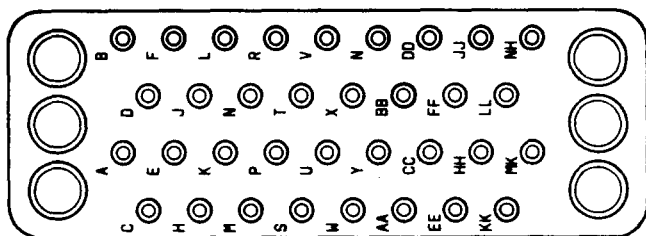


Fig. 5—KS-16409, L10, L20, L32, L35, or L37 Connector

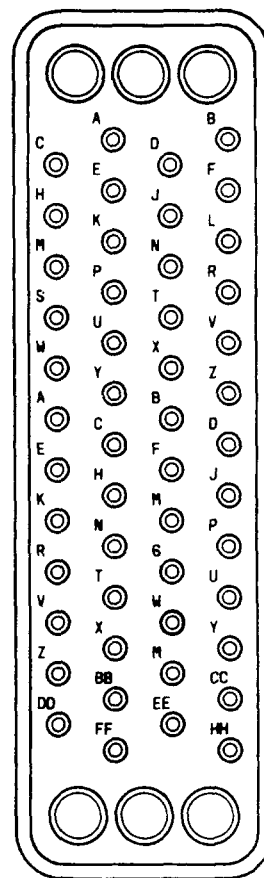


Fig. 6—KS-16409, L11, L12, L13, L14, L24, L25, L28, L43, or L47 Connector

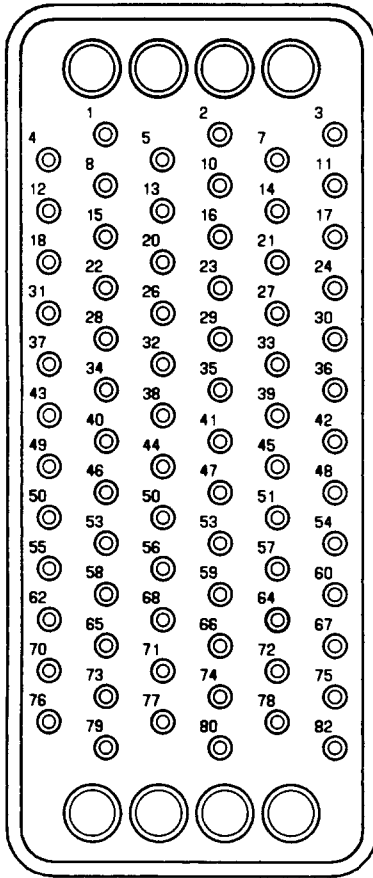


Fig. 7—KS-16409, L15, L16, L17, L18, L19, L26, L27, L38, L44, or L53 Connector

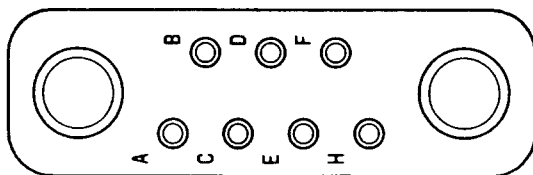


Fig. 8—KS-16409, L22 or L33 Connector

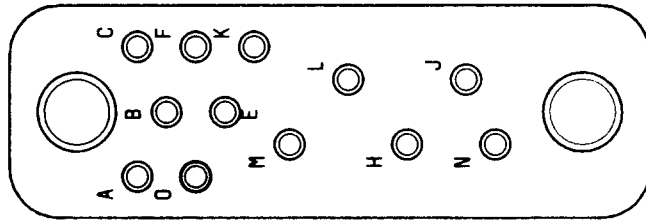


Fig. 9—KS-16409, L29 or L30 Connector

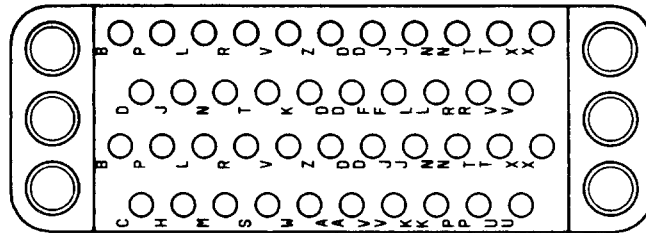


Fig. 10—KS-16409, L10 Connector

2.02 KS-16429, L1 through L11: The KS-16429, L1 through L11 (Fig. 11), are polarized, male and female, multicontact connectors intended for use in the TH and TJ Radio Systems. These connectors mate with the KS-16428 plugs, except the L11 mates with the KS-16428, L13 plug.

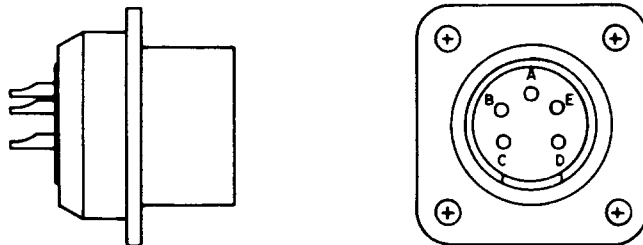


Fig. 11—KS-16429, L1 through L11 Connector

- (a) **KS-16429, L3, L4, L6, L7, and L8:** These connectors are equipped with male contacts.
- (b) **KS-16429, L1, L2, L5, L9, L10, and L11:** These connectors are equipped with female contacts.

2.03 KS-16672-Type: The KS-16672-type (Fig. 12) are multicontact receptacles, consisting of rectangular blocks of insulating material, equipped with gold-plated ribbon contacts assembled in a front

and back metal shell, are polarized to insure proper mating with its corresponding plug. For more information on these connectors, see Table B.

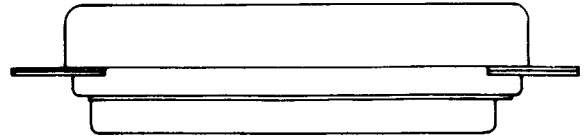


Fig. 12—KS-16672-Type Connector

TABLE B

KS-16672 LIST NO.	NO. OF CONTACTS	PRIMARY USE
1	50	598 and 599 Key
2	14	610 Telephone Set
3	50	598 and 599 Key
4	50	598 and 599 Key
5	50	598 and 599 Key
8	24	L-Multiplex Terminal
9	36	L-Multiplex Terminal
10	64	101 Electronic Switching System (ESS)
11	64	2 ESS
12	50	66 Connecting Block
13	50	149B Adapter
14	64	Store Program Control Frame
15	50	1A Service Unit
16	50	812A PBX
17	50	4A Crossbar
18	24	Digital Data Systems
19	36	Digital Data Systems
20	50	4A Crossbar
21	64	4A Crossbar
22	50	770 and 812A PBX
23	32	770 and 812A PBX
24	65	T Carrier System
26	50	812A PBX
27	24	149B Adapter
28	50	916 COM KEY® Key Telephone System
29	50	976A Connector
30	50	COM KEY Key Telephone System
31	50	COM KEY Key Telephone System
32	50	812A PBX
33	14	—
34	50	—
35	24	—
36	50	—

2.04 KS-16690, L1 through L24: The KS-16690-type (Fig. 13) are multicontact receptacles, consisting of rectangular blocks of insulating material, equipped with gold-plated ribbon contacts assembled in a front and back metal shell, are polarized to insure proper mating with its corresponding plug. For more information on these connectors, see Table C.

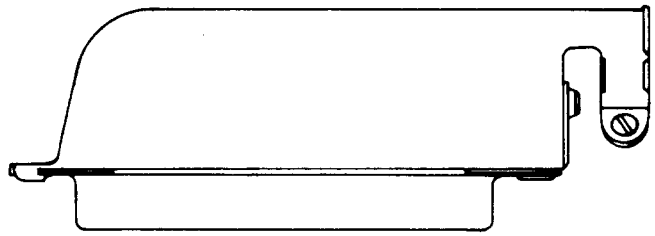


Fig. 13—KS-16690-Type Connector

TABLE C

KS-16690 LIST NO.	NO. OF CONTACTS	PRIMARY USE
1	50	Key Telephone
2	50	W50A Cord
3	50	148A Adapter
4	20	153B Adapter
5	24	3A System
6	50	No. 1 ESS
7	8	153B Adapter
8	30	584C Panel
9	8	153D Adapter
10	40	A20B Cable
11	24	Cable ED-73435-222, G8
12	50	825A Cable
13	50	770/810 PBX
14	50	770/810 PBX
15 (Mfr Disc.)	12	153M Adapter
16	50	A25A Cable
17	50	A25T Cable
18	50	A25T Cable
19	50	M48A Cord
20 (Mfr Disc.)	4*	153M Adapter
21	50*	770/810 PBX
22	50*	770/810 PBX
23 (Replaces L15)	12	153M Adapter
24 (Replaces L20)	4	153M Adapter

* Has low profile end bracket and captive screw.

2.05 KS-16786, L1 through L23, L25, L26, and L50 through L58: The KS-16786-type (Fig. 14) are multicontact connectors, equipped with gold-plated ribbon contacts assembled in a front and back metal shell. The terminal end of some lists of the connectors has an insulating terminal barrier. These connectors mate with the KS-16785 plugs with the same number of contacts. The L50 series of connectors are screw locking. For more detailed information, see Table D.

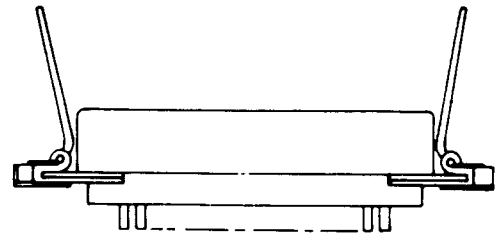


Fig. 14—KS-16786-Type Connector

TABLE D

KS-16786 LIST NO.	CONTACT POSITIONS	TERMINAL BARRIER	MOUNTING
1	14	No	Panel
2	24	No	Panel
3	36	No	Panel
4	50	Yes	Panel
5	24	No	Cable
6	36 (28 used)	Yes	Panel
7	50	Yes	Cable
8	50	Yes	Panel
9	14	Yes	Cable
10	36	Yes	Cable
11	64	Yes	Panel
12	50	No	Panel
13	50 with 0.025-inch wire-wrap adapter	Yes	Panel
14	50 with 0.045-inch wire-wrap adapter	Yes	Panel
15	64	Yes	Panel
16	36	Yes	Panel
17	36	No	Panel
18	14	No	Panel
19	50	Yes	Panel
20	24	No	Panel
21	24	Yes	Panel
22	36	Yes	Panel
23	50	No	Panel
25	24	Yes	Panel
26	50	Yes	Panel
50	50 with 0.025-inch wire-wrap adapter	Yes	Panel
51	50 with 0.045-inch wire-wrap adapter	Yes	Panel
52	50	Yes	Panel
53	50	Yes	Cable
54	64	Yes	Panel
55	50	Yes	Panel
56	50	Yes	Panel
57	64	Yes	Panel
58	50	Yes	Cable

2.06 KS-19017, L1 and L2: The KS-19017, L1 and L2, (Fig. 15) are miniature, female connectors equipped with 15 gold-plated terminals and 4 solder-plated dummy terminals for use as tie points.

All terminals are arranged for mechanically wire-wrapped connections suitable for two wraps of 24-gauge wire.

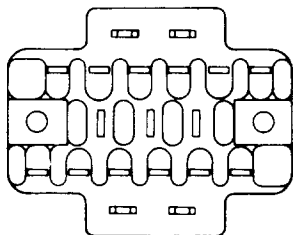


Fig. 15—KS-19017, L1 or L2 Connector

(a) **KS-19017, L1:** This connector will mate with the KS-14524 connector. The connector is for use in J98615AA, J98615AD, J98615AE, and J98615AF mounting shelves in Common Systems. The KS-19017, L1, employs 0.125-inch diameter mounting holes.

(b) **KS-19017, L2:** This connector will mate with the KS-14524 connector. This connector is for use in V4 repeater shelves. The KS-19017, L2, employs 0.160-inch diameter mounting holes.

2.07 KS-19081, L1: The KS-19081, L1 (Fig. 16) is a polarized multicontact, female connector consisting of a molded-rectangular block of insulating material, equipped with twenty gold-plated terminals which project at the rear for mechanically wire-wrapped connections suitable for two wraps of either 24- or 26-gauge wire. The connector will mate with the KS-19080, L1 plug. This connector is for use with the V4 telephone repeater in Common Systems.

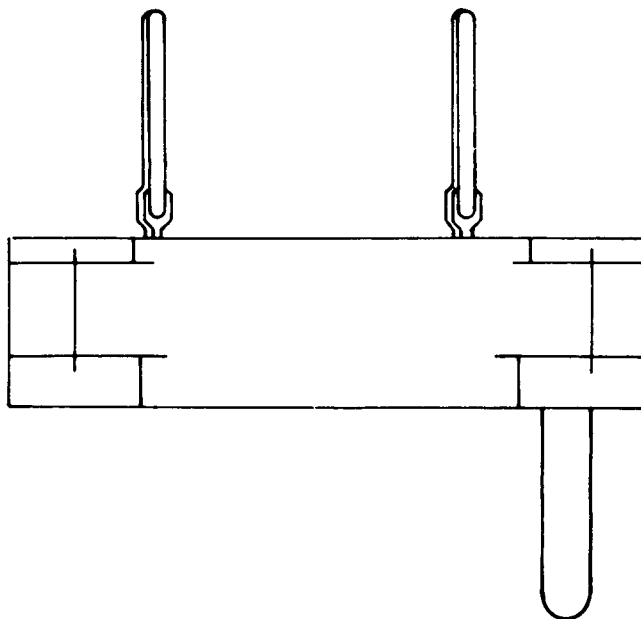


Fig. 16—KS-19081, L1 Connector