

## NONCODED CONNECTORS—KS-14528 THROUGH KS-16370

### DESCRIPTION

#### 1. GENERAL

**1.01** This section lists and illustrates noncoded connectors within the part or type number range of KS-14528 through KS-16370, 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:

- KS-14554, L2
- KS-14672, L2 through L9
- KS-14769, L1
- KS-16322.

#### 2. DESCRIPTION OF CONNECTORS

**2.01** *KS-14528, L1 and L2:* The KS-14528, L1 and L2, connectors are primarily used on repeater oscillators in O Carrier Systems and with the coin control trunk test cords of the Step-by-Step Systems, respectively. These connectors consist of a molded, rectangular block of insulating material, equipped with 7 gold-plated, phosphor-bronze, floating terminals. The KS-14528, L2, connector (Fig. 1) is provided with a cover, a cable clamp, and a hood insulator. These connectors will mate with the KS-14527, L1 and L2, connectors.

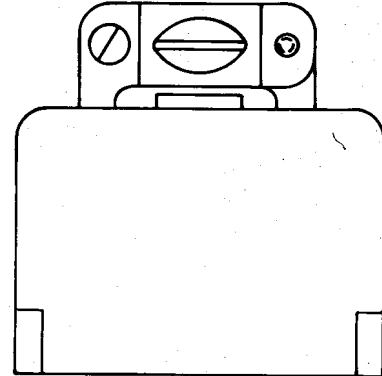


Fig. 1—KS-14528, L2 Connector

**2.02** *KS-14554, L1, L2, L3, L4, and L7:* The KS-14554-type are multicontact, polarized male connectors, consisting of molded, rectangular blocks of insulating material, equipped with 35 gold-plated contacts. They mate with the KS-14555-type connectors. For more information, see Table A.

TABLE A

KS-14554 LIST NO.	MATES WITH KS-14555 LIST NO.
1	1
2	2
3	3
4	4
7	5

#### NOTICE

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

(a) **KS-14554, L1:** The KS-14554, L1, connector (Fig. 2) has floating contacts with 2 holes on each end for mounting. The L1 is used with networks in the amplifiers of the A2 video equipment and the T3 and T4 television terminals to provide connections for the J44104R vacuum tube test set when testing vacuum tubes.

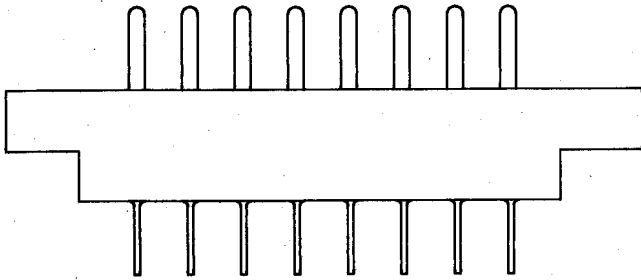


Fig. 2—KS-14554, L1 or L7 Connector

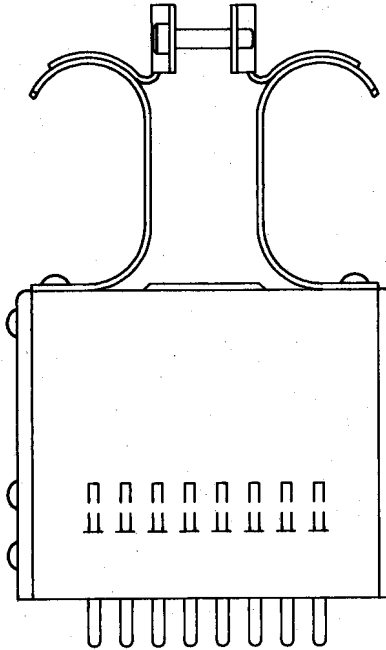


Fig. 3—KS-14554, L2 Connector

(b) **KS-14554, L2:** The KS-14554, L2, connector (Fig. 3) is equipped with a cover which has a combination handle and cable clamp at the top. The clamp is suitable for a 1/2-inch diameter cable. The L2 is used with networks in the amplifiers of the A2 video equipment and the T3 and T4 television terminals to provide connections for the J44104R vacuum tube set when testing vacuum tubes.

(c) **KS-14554, L3 and L4:** The L3 and L4 connectors (Fig. 4) are equipped with a cover, a cable clamp, and a handle on the top. The clamp fits 1/2-inch diameter cable and is located on the wide side. The clamp of the L3, located on the wide side, is near the No. 1 terminal. The clamp of the L4, located on the wide side, is near the No. 4 terminal. The connectors are used with the 557A PBX.

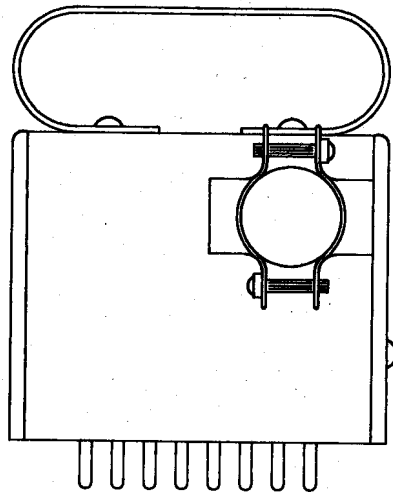


Fig. 4—KS-14554, L3 or L4 Connector

(d) **KS-14554, L7:** The KS-14554, L7, connector (Fig. 2) has fixed contacts.

**2.03 KS-14555, L1 through L5:** The KS-14555, L1 through L5, connectors consisting of molded, rectangular blocks of insulating material equipped with 35 gold-plated, phosphor-bronze, floating terminals. These connectors will mate with the KS-14554 connectors. For more information, see Table B.

TABLE B

KS-14555 LIST NO.	MATES WITH KS-14554 LIST NO.
1	1
2	2
3	3
4	4
5	7

(a) **KS-14555, L1:** The KS-14555, L1, connector has holes on each end for mounting purposes. The L1 is used with networks in the amplifiers of the A2 video equipment and the T3 and T4 television terminals to provide connections for the J44104R vacuum tube test set when testing vacuum tubes.

(b) **KS-14555, L2:** The KS-14555, L2, connector (Fig. 5) is provided with a cover which has a combination handle and cable clamp at the top. The cable clamp is suitable for clamping a 1/2-inch diameter cable. The L2 is used with networks in the amplifiers of the A2 video equipment and the T3 and T4 television terminals to provide connections for the J44104R vacuum tube test set when testing vacuum tubes.

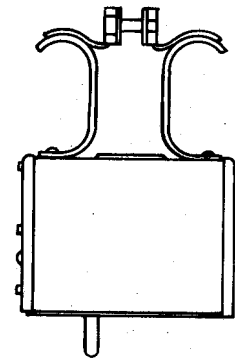


Fig. 5—KS-14555, L2 Connector

(c) **KS-14555, L3:** The KS-14555, L3, connector (Fig. 6) is provided with a cover which has a cable clamp at one end and an enclosed handle at the top. The cable clamp closes to 3/8 inch. The KS-14555, L3, connector is used on the carrier and pilot switching panel in the L3 carrier terminal.

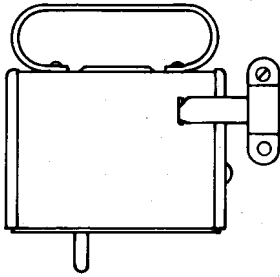


Fig. 6—KS-14555, L3 Connector

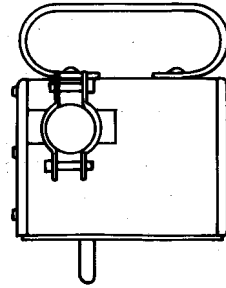


Fig. 8—KS-14555, L5 Connector

(d) **KS-14555, L4:** The KS-14555, L4, connector (Fig. 7) is provided with a cover which has a cable clamp at the top. The cable clamp closes to 3/8 inch. To prevent damage to the contacts, a P-484646 handle (ordered separately) shall be used to disconnect the connector from its associated connector. The loops in the handle are intended to hook over the cable clamp screws, between the two halves of the cable clamp, before the screws are tightened. The KS-14555, L4, connector is used in the trunk circuit of the 756 PBX.

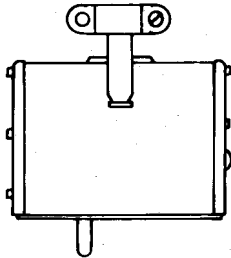


Fig. 7—KS-14555, L4 Connector

(e) **KS-14555, L5:** The KS-14555, L5, connector (Fig. 8) is provided with a cover which has a cable clamp on one side and an enclosed handle at the top. The cable clamp is suitable for clamping a 1/2-inch diameter cable. The KS-14555, L5, connector is used in the 82A1 and 82B1 Teletypewriter Switching Systems.

2.04 **KS-14596:** The KS-14596 connector is rated Mfr Disc. with no replacement.

2.05 **KS-14671-Type:** The KS-14671, L1 through L8, connectors (Fig. 9) consist of molded, rectangular blocks, equipped with 21 or 34 gold-plated, brass terminals. Two shouldered mounting screws are furnished to enable the body to float when mounted. The KS-14671-type connectors will mate with the KS-14672-type connectors. For more information, see Table C.

TABLE C

KS-14671 LIST NO.	MATES WITH KS-14672 LIST NO.
1	1,2,3,9
2	1,2,3,9
3	1,2,3,9
4	4
5	1,2,3
6	1,2,3
7	1,2,3
8	1

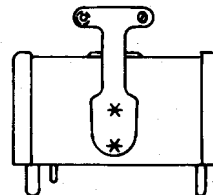


Fig. 9—KS-14671-Type Connector

(a) **KS-14671, L1:** The KS-14671, L1 connector is equipped with 21 solder-type terminals and is primarily used with the J64027B transmission measuring set in Toll Systems.

(b) **KS-14671, L2:** The KS-14671, L2, connector is equipped with 21 solder-type terminals and a metal cover with a cable clamp. This connector is used with an extender cable for in-service testing of TH Radio System terminal units.

(c) **KS-14671, L3:** The KS-14671, L3, connector is equipped with 21 solderless-wrapped terminals and is used with the J64027B transmission measuring set in Toll Systems.

(d) **KS-14671, L4:** The KS-14671, L4, connector is equipped with 34 solder-type terminals and is used with the traffic data converter and traffic data summarizer.

(e) **KS-14671, L5:** The KS-14671, L5, connector is equipped with 34 solderless-wrapped terminals and a cable clamp. The KS-14671, L5, is used in the 608 PBX switchboard.

(f) **KS-14671, L6:** The KS-14671, L6, connector is equipped with 21 solder-type terminals and is used in the No. 1 Electronic Switching System (ESS).

(g) **KS-14671, L7:** The KS-14671, L7, connector is equipped with 21 solderless-wrapped, finished terminals, and is used on the No. 1 ESS.

(h) **KS-14671, L8:** The KS-14671, L8, connector is equipped with 21 solderless-wrapped, finished terminals and a cover. The L8 connector is used in the No. 2A ESS.

**2.06 KS-14672-Type:** The KS-14672, L1 through L9, female connectors (Fig. 10) consist of molded, rectangular blocks, equipped with 21 or 34 gold-plated, brass terminals. Two screws are furnished for mounting the connectors. These connectors mate with the KS-14671-type connectors. For more information, see Table D.

TABLE D

KS-14672 LIST NO.	MATES WITH KS-14671 LIST NO.
1	1,2,3
2	1,2,3
3	1,2,3
4	4
5	1,2,3
6	1,2,3
7	1,2,3
8	1,2,3
9	1,2,3*

\*Must be modified to accept the locking feature.

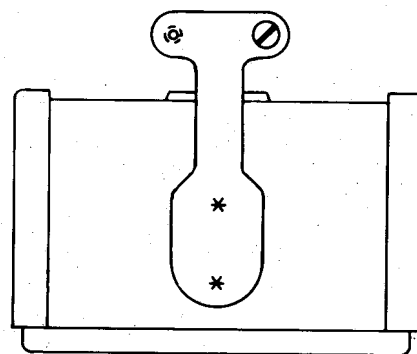


Fig. 10—KS-14672-Type Connector

(a) **KS-14672, L1:** The KS-14672, L1, connector is equipped with 21 solder-type terminals and is used with the J64037B transmission measuring set in Toll Systems.

(b) **KS-14672, L2:** The KS-14672, L2, connector is equipped with 21 solder-type terminals, a metal cover, and a cable clamp which accommodates a 0.4375-inch diameter cable. The KS-14672, L2 connector is used with an extender cable for "In Service" testing of TH Radio System terminal units.

(c) **KS-14672, L3:** The KS-14672, L3, connector is equipped with 21 solderless-wrapped terminals.

(d) **KS-14672, L4:** The KS-14672, L4, connector is equipped with 34 solderless-wrapped termi-

nals. The L4 is used in the traffic data converter and traffic data summarizer.

(e) **KS-14672, L5:** The KS-14672, L5, connector is equipped with 21 solder-type terminals, a metal cover, and a cable clamp which accommodates a 0.4375-inch diameter cable. The L5 connector has plated contacts and is used on the No. 1 ESS.

(f) **KS-14672, L6:** The KS-14672, L6, connector is equipped with 21 solder-type terminals with plated contacts. The KS-14672, L6, is used on the No. 1 ESS.

(g) **KS-14672, L7:** The KS-14672, L7, connector is equipped with 21 solder-type terminals that will accept 2 solderless wraps of 26-gauge wire, a metal cover, and a cable clamp which accommodates a 0.4375-inch diameter cable.

(h) **KS-14672, L8:** The KS-14672, L8, connector is equipped with 21 solder-type terminals that will accept 2 solderless-wraps of 26-gauge wire, a cover, and plated contacts. The cover has an insulated liner and a strain relief bushing. The KS-14672, L8, connector is used on the No. 2 ESS junction grouping frame.

(i) **KS-14672, L9:** The KS-14672, L9, connector is equipped with 21 terminals and a molded cover. The cover has a side entry cable opening and 2 molded arms that lock the connector to its mating connector.

**2.07 KS-14769, L1:** The KS-14769, L1, connector (Fig. 11) consists of a molded phenolic body, equipped with 12 contacts and a metal shell. The connector will mate with the KS-8895 plug receptacle, and is primarily used on the M8E, M11D, M12E, M12F, and M12G cords.

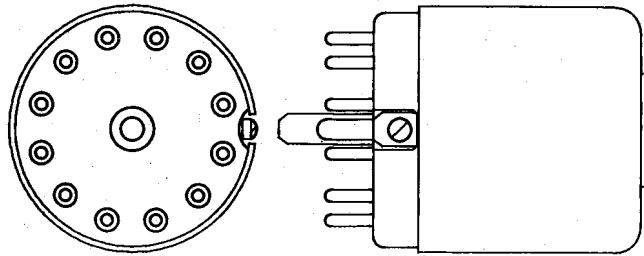


Fig. 11—KS-14769, L1 Connector

**2.08 KS-15977, L1 Through L348:** The KS-15977-type connectors (Fig. 12) specification has both lugs and splices fabricated of aluminum or aluminum alloys. The connectors are intended for use as an attachment to Class B, C, or D stranded aluminum or copper power wire by means of the KS-15976 and/or KS-19964 crimping tools. The connectors will accept wire sizes from No. 4 through 750.

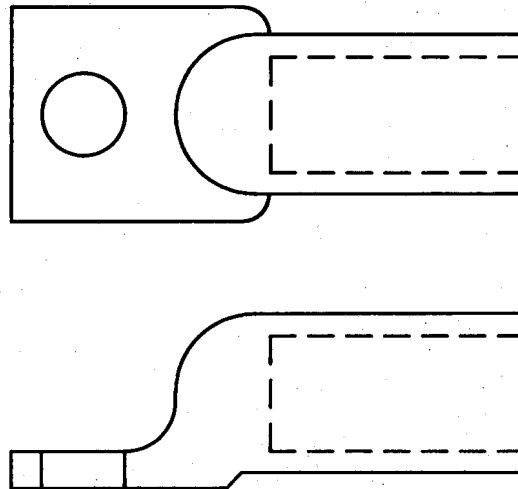


Fig. 12—KS-15977-Type Connector

**2.09 KS-16182, L1 Through L12:** The KS-16182-type is a female connector (Fig. 13) consisting of gold-plated, phosphor-bronze terminals mounted in a plastic block. The terminals are arranged to make contact with foil terminals on the edge of a printed wiring board or with KS-19276 plugs. For more information, see Table E.

TABLE E

KS-16182 LIST NO.	NO. OF TERMINALS	MATES WITH PLUG KS-19276 LIST NO.
1	10	*
2	15	*
3	10	1
4	15	2
5	22	3
6	21	4
7	6	5
8	6	5
9	10	1
10	10	1
11	22	3
12	15	*

\* Does not mate with a plug, but makes direct contact to a printed wiring board.

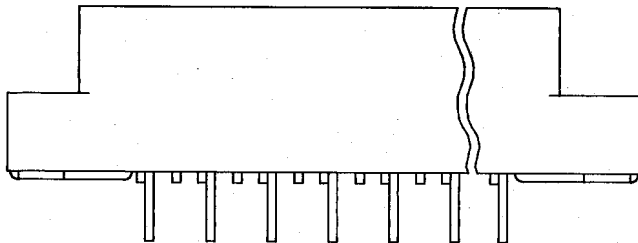


Fig. 13—KS-16182-Type Connector

**2.10 KS-16322:** The KS-16322 male connector (Fig. 14) consists of a KS-14671 connector having a cable clamp mounted above the terminal wiring ends. The connector consists of a molded, rectangular block, equipped with 21 gold-plated brass terminals. The KS-16322 connector is used on a test cable for the test frame of the A1 Digital Data Signaling System and mates with the KS-16323 connector.

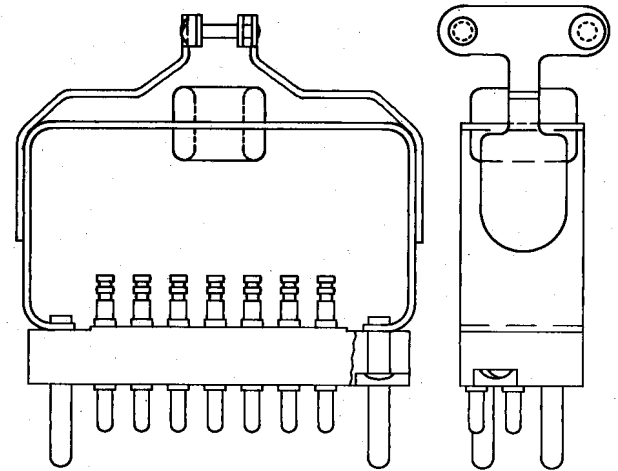


Fig. 14—KS-16322 Connector

**2.10 KS-16323:** The KS-16323 is a female connector (Fig. 15) with 21 terminals. This connector is used on a test cable for the ED-1G008-90 test frame of the A1 Digital Data Signaling System. This connector mates with the KS-16322 male connector.

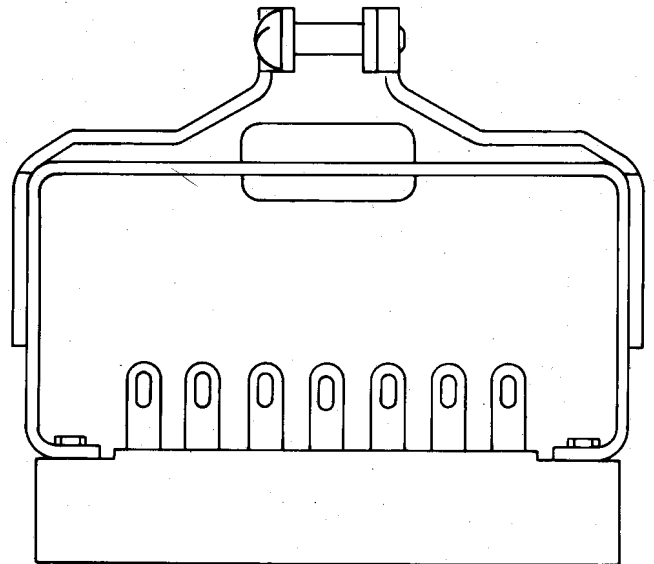


Fig. 15—KS-16323 Connector

**2.11 KS-16370-Type:** The KS-16370-type are miniature, multiple-contact connectors, consisting of molded, resin blocks, equipped with gold-plated, brass, free-floating, male contacts mounted in protective metal hoods. They are intended for use in central office equipment and similar applications. For more information, see Table F.

TABLE F

KS-16370 LIST NO.	FIG. NO.	NO. OF CONTACTS	MATES WITH CONNECTOR KS-16409 LIST NO.
1	—	14	1,21,41
2	16	14	1,21,41
3	—	18	2,31,42,49,51
4	—	18	4
5	17	18	3
6	—	20	5
7	—	20	7
8	17	20	6,46
9	—	21	8,9
10	—	34	10,20
11	18	50	11,12,13,24,25,28
12	17	50	14,47
13	19	50	14,47
14	—	50	11,12,13,24,25,28
15	—	75	16,17,18,26,27
16	18	75	16,17,18,26,27
17	20	75	15,19
18	17	75	15,19
19	—	75	16,17,18,26,27
20	19	20	6,46
21	16	7	22,33
22	—	14	23,50
23	16	50	11,12,13,24,25,28
24	16	75	16,17,18,26,27
25	21	75	15,19
26	16	12	29,30
27	—	12	29,30
28	16	18	2,31,42,49,51
29	—	34	32
30	—	7	22,23
31	17	34	35
32	—	34	37
33	—	18	36,42,51
34	—	21	34
35	—	75	38
36	—	14	39
37	22	14	1,21,41
38	—	14	1,21,41
39	—	50	11,12,13,24,25,28,43
40	17	75	15,19,44
41	22	14	1,21,41,45
42	16	18	2,31,36,40,42
43	—	14	1,21,41,45
44	—	18	4
45	—	20	7
46	—	34	10,20
47	23	75	15,19
48	24	50	14,47
49	17	42	52



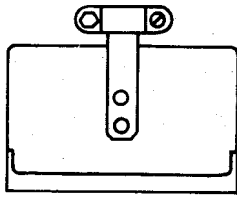


Fig. 16—KS-16370, L2, L21, L23, L24, L26, L28, or L42 Connector

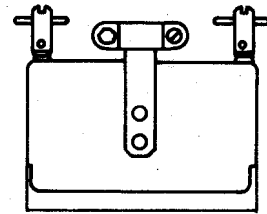


Fig. 20—KS-16370, L17 Connector

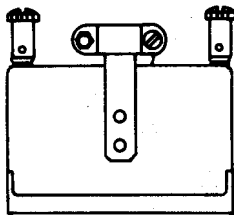


Fig. 17—KS-16370, L5, L8, L12, L18, L31, L40 or L49 Connector

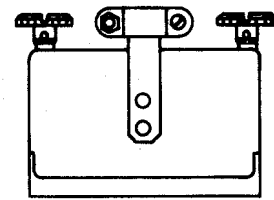


Fig. 21—KS-16370, L25 Connector

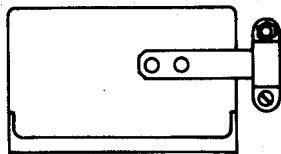


Fig. 18—KS-16370, L11 or L16 Connector

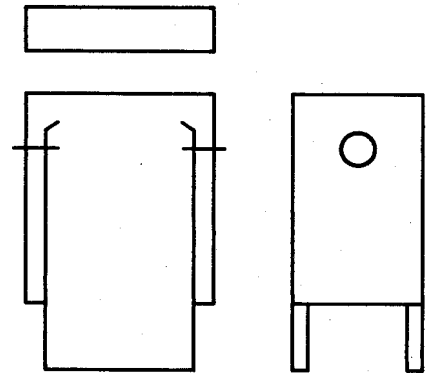


Fig. 22—KS-16370, L37 or L41 Connector

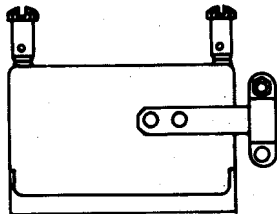


Fig. 19—KS-16370, L13 or L20 Connector

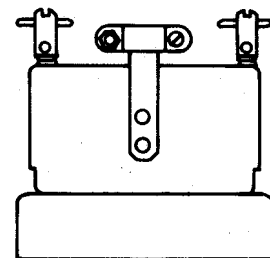


Fig. 23—KS-16370, L47 Connector

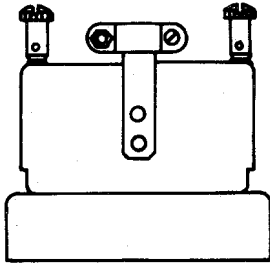


Fig. 24—KS-16370, L48 Connector