



US00D673505S

(12) **United States Design Patent**
Matoba et al.

(10) **Patent No.:** **US D673,505 S**
(45) **Date of Patent:** **** Jan. 1, 2013**

(54) **CONNECTOR FOR FLEXIBLE PRINTED
CIRCUIT BOARD**

(75) Inventors: **Masato Matoba**, Kyoto (JP); **Shunsuke Akahori**, Kyoto (JP)

(73) Assignee: **Omron Corporation**, Kyoto (JP)

(**) Term: **14 Years**

(21) Appl. No.: **29/382,449**

(22) Filed: **Jan. 4, 2011**

(30) **Foreign Application Priority Data**

Jul. 5, 2010 (JP) 2010-16343

(51) **LOC (9) Cl.** **13-03**

(52) **U.S. Cl.** **D13/147**

(58) **Field of Classification Search** D13/147,
D13/154, 184, 199; D14/432, 433, 436,
D14/438; 439/62, 79, 159-160, 260, 395,
439/422, 495, 499, 746, 749, 790, 849-850,
439/870, 877, 884-885, 887-888

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,555,497	A *	1/1971	Watanabe	.....	439/857
D410,226	S *	5/1999	Yoshiura	.....	D13/133
D470,110	S *	2/2003	Yamane	.....	D13/147
D482,327	S *	11/2003	Saito et al.	.....	D13/147
D500,985	S *	1/2005	Yamane et al.	.....	D13/147
D516,524	S *	3/2006	Su	.....	D13/154
D576,558	S *	9/2008	Chiang	.....	D13/154
D581,367	S *	11/2008	Hoshino et al.	.....	D13/154
D600,209	S *	9/2009	Matoba	.....	D13/147
D600,647	S *	9/2009	Hemmi et al.	.....	D13/147
D602,876	S *	10/2009	Yu	.....	D13/154
D630,584	S *	1/2011	Hirayama et al.	.....	D13/147

FOREIGN PATENT DOCUMENTS

JP	D1399503	10/2010
JP	D1399902	10/2010
JP	D1399903	10/2010

* cited by examiner

Primary Examiner — Daniel Bui

(74) *Attorney, Agent, or Firm* — Harness, Dickey & Pierce, P.L.C.

(57) **CLAIM**

The ornamental design for a connector for flexible printed circuit board, as shown and described.

DESCRIPTION

FIG. 1 is a top, front and right side perspective view of a connector for flexible printed circuit board showing our new design;

FIG. 2 is a bottom, rear and left side perspective view thereof;

FIG. 3 is a front elevational view thereof;

FIG. 4 is a rear elevational view thereof;

FIG. 5 is a left side view thereof;

FIG. 6 is a right side view thereof.

FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof;

FIG. 9 is a cross-sectional view thereof, taken along the line of "IX-IX" of FIG. 3;

FIG. 10 is a cross-sectional view thereof, taken along the line of "X-X" of FIG. 4;

FIG. 11 is a cross-sectional view thereof, taken along the line of "XI-XI" of FIG. 3;

FIG. 12 is a cross-sectional view thereof, taken along the line of "XII-XII" of FIG. 4;

FIG. 13 is a cross-sectional view thereof, taken along the line of "XIII-XIII" of FIG. 3;

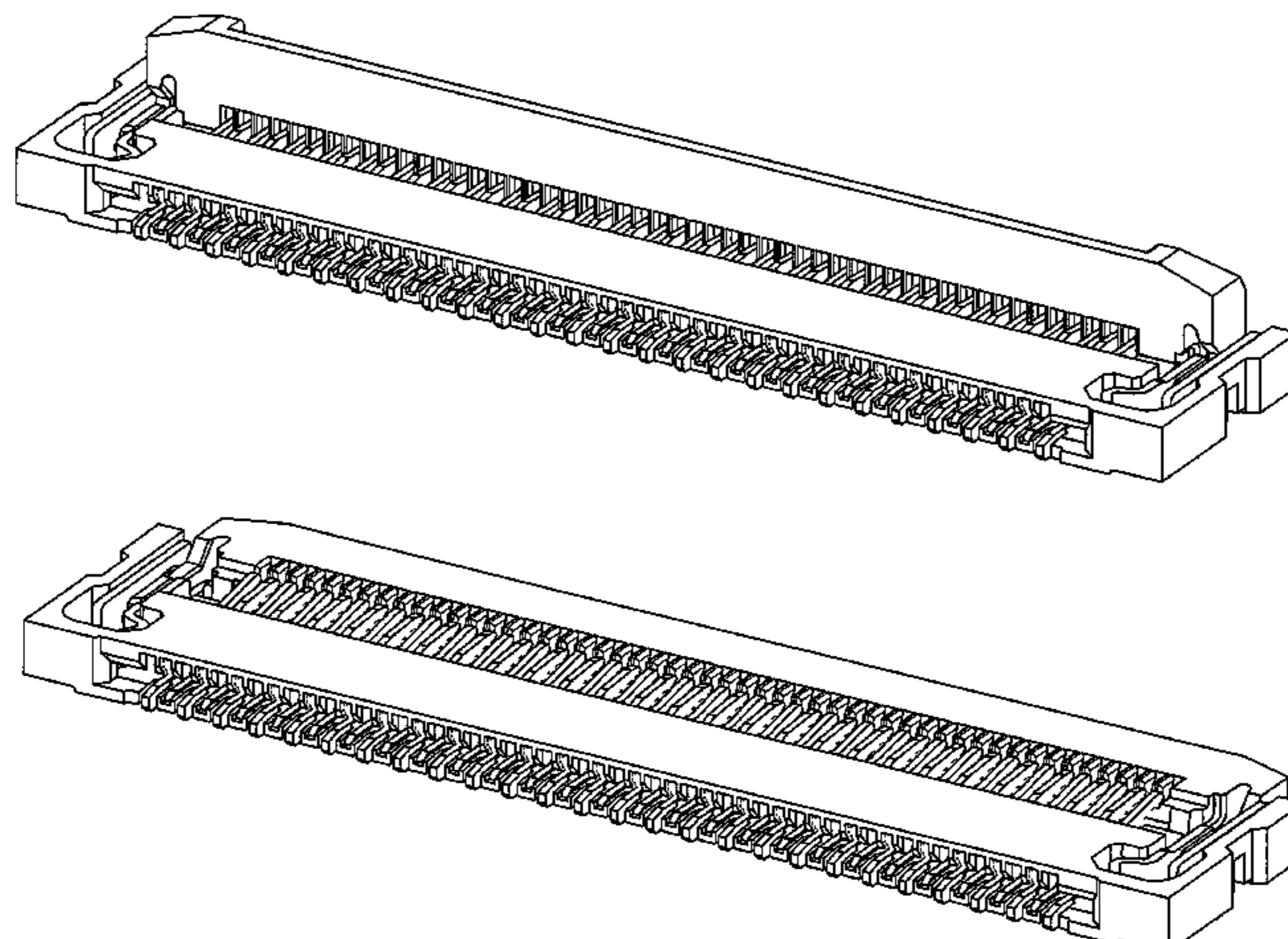
FIG. 14 is a cross-sectional view thereof, taken along the line of "XIV-XIV" of FIG. 3;

FIG. 15 is a cross-sectional view thereof, taken along the line of "XV-XV" of FIG. 7; and,

FIG. 16 is a top, front and right side perspective view thereof, shown in an alternate position of use.

The broken line in the figure drawing views is included to show unclaimed environment only and forms no part of the claimed design.

1 Claim, 13 Drawing Sheets



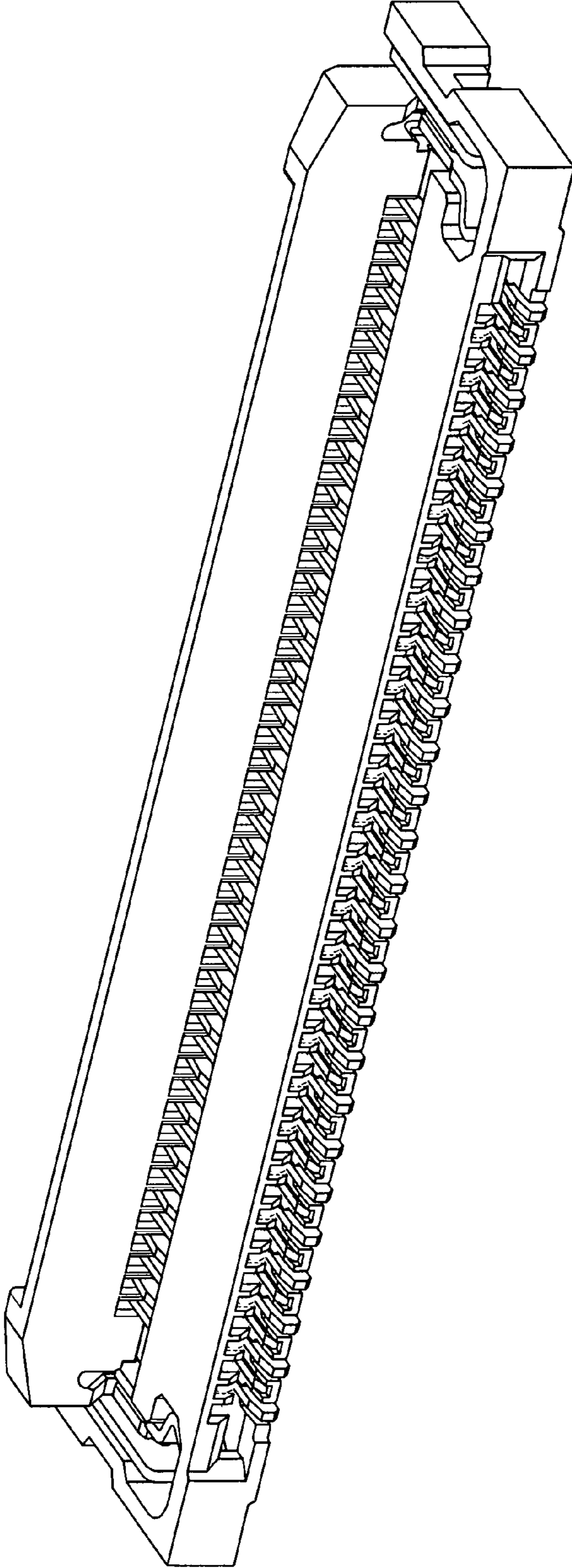


Fig. 1

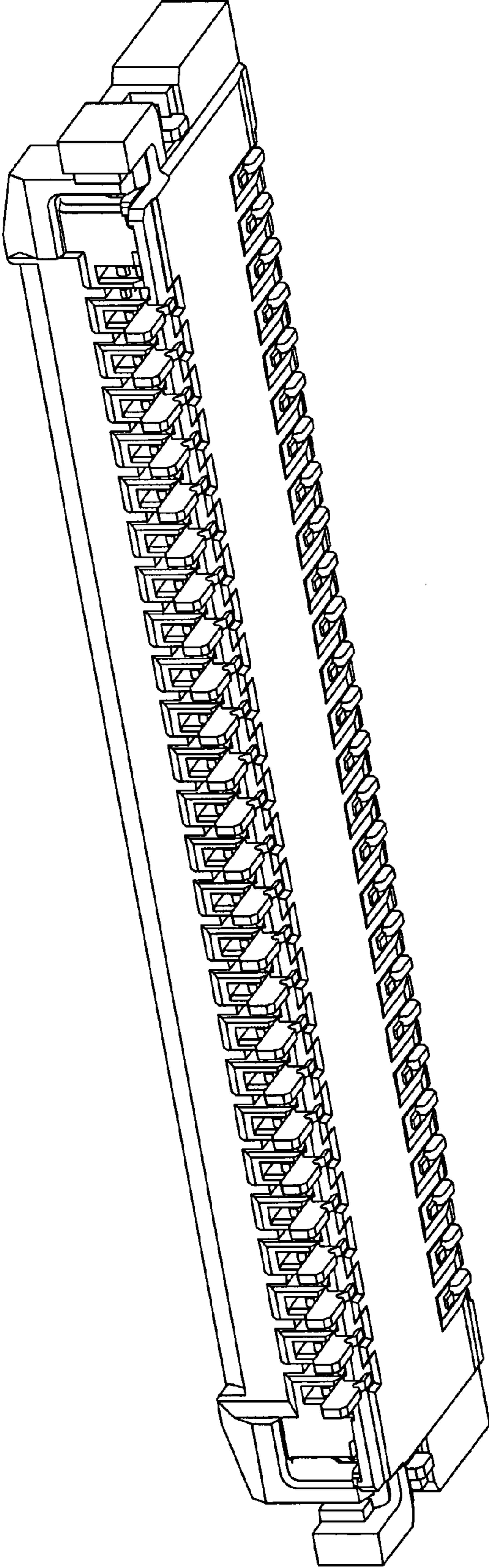


Fig. 2

Fig. 3

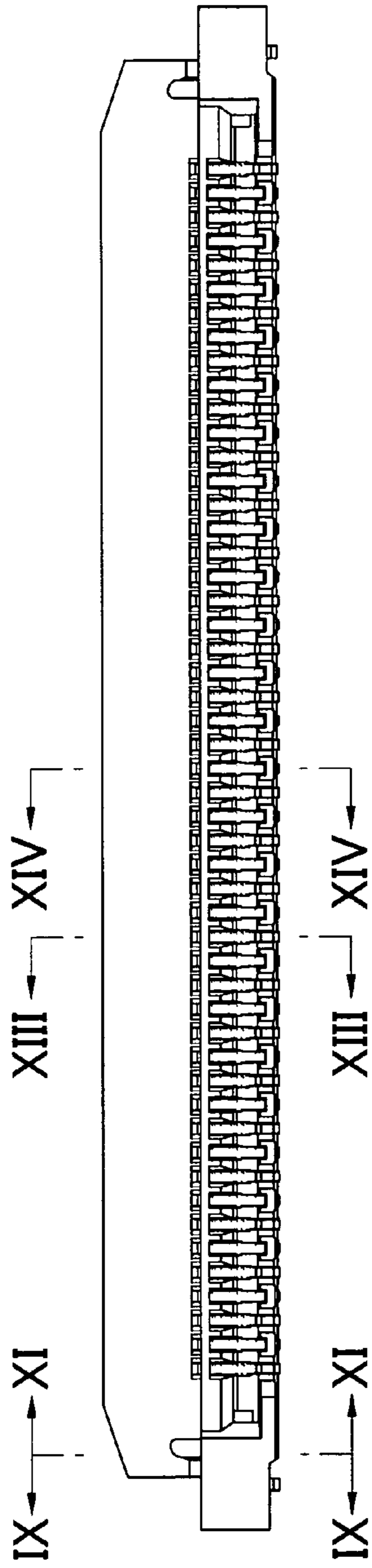


Fig. 4

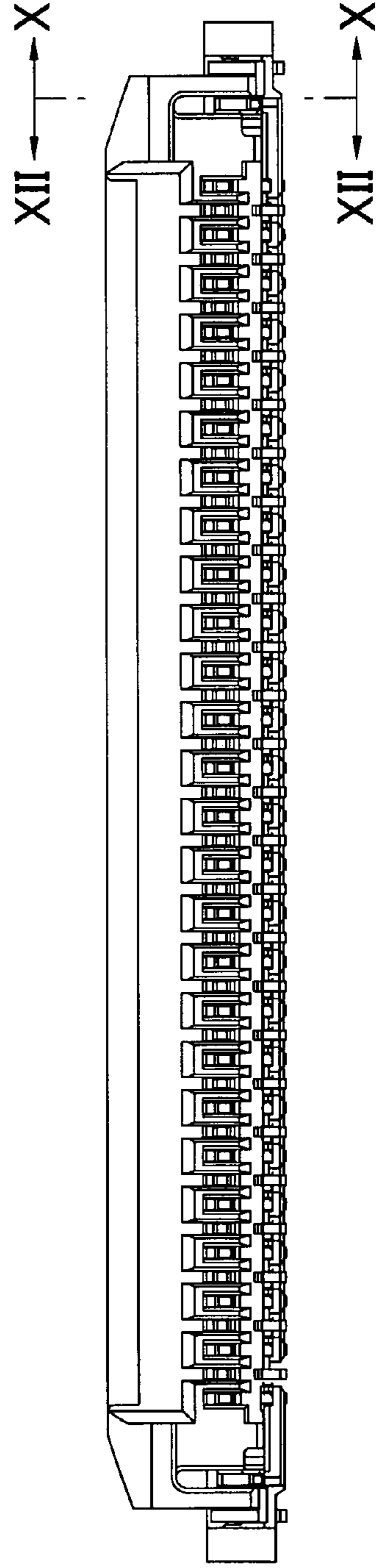


Fig. 6

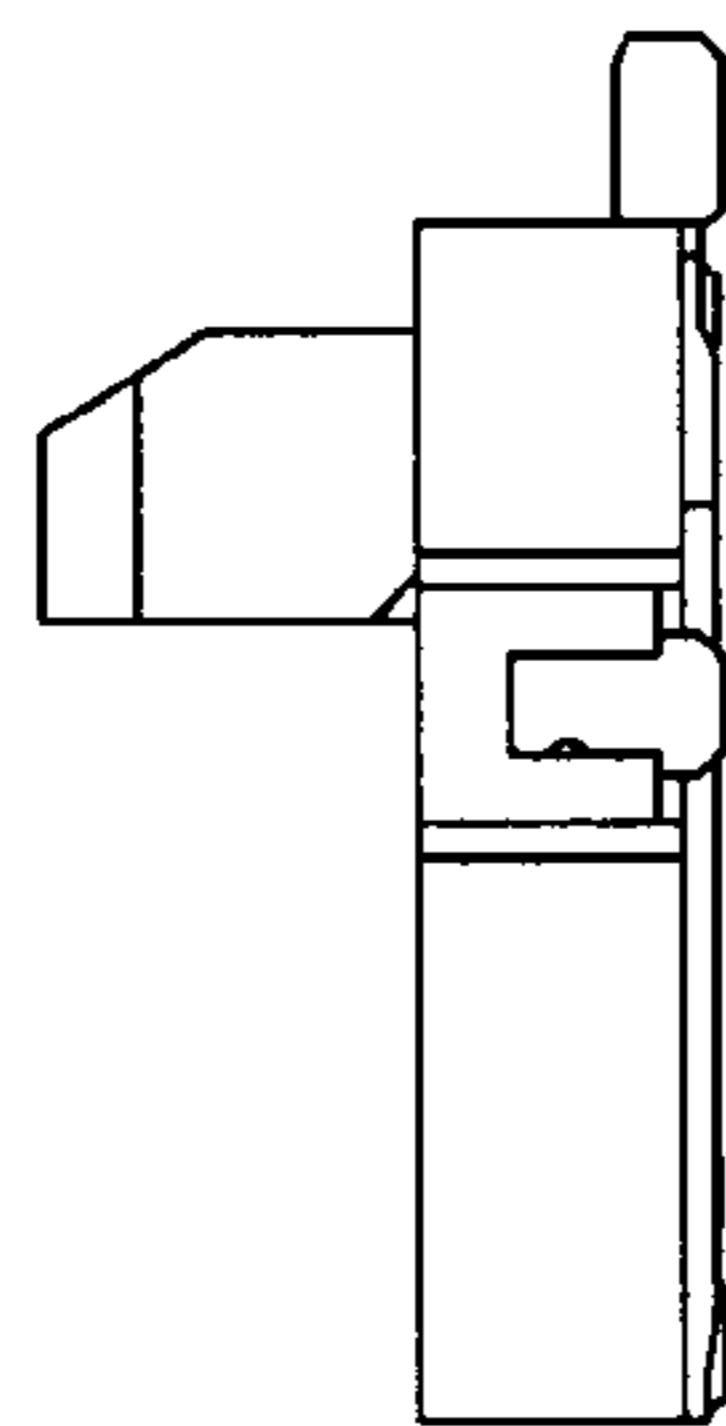


Fig. 5

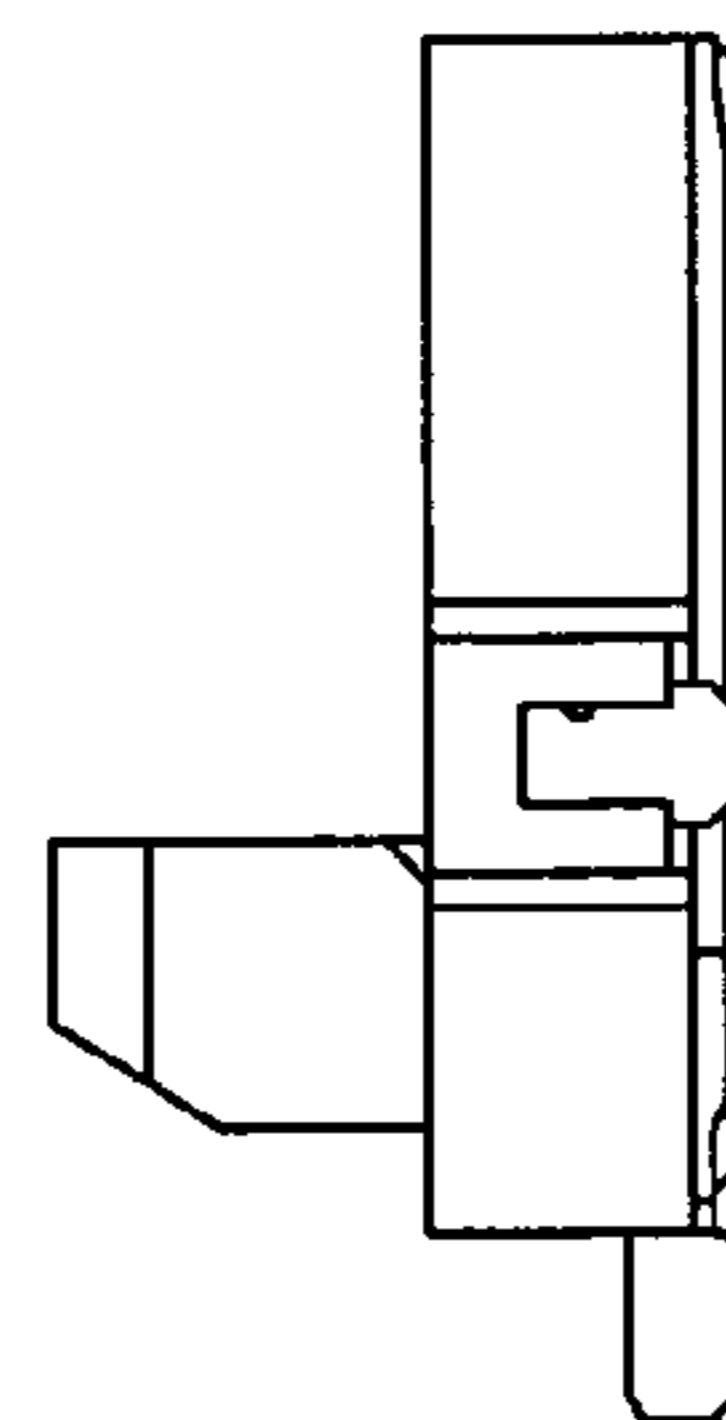
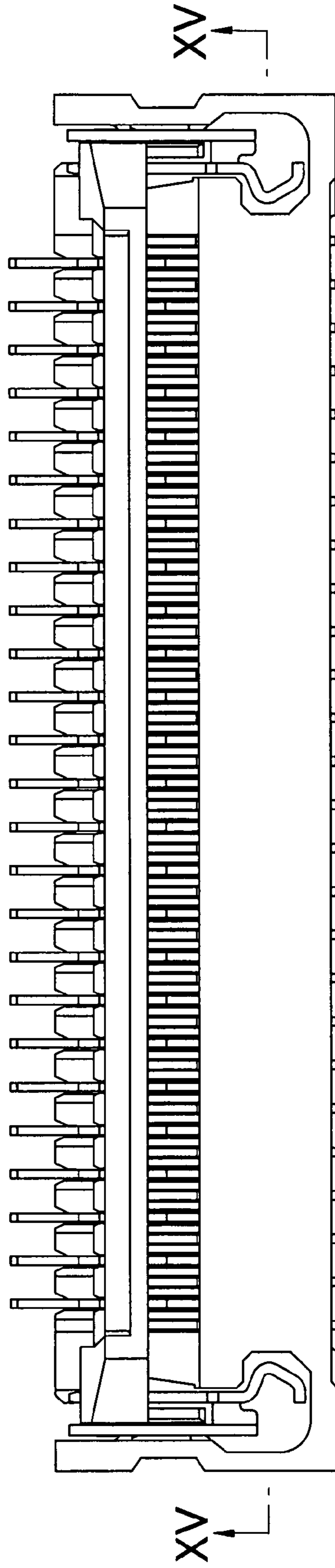


Fig. 7



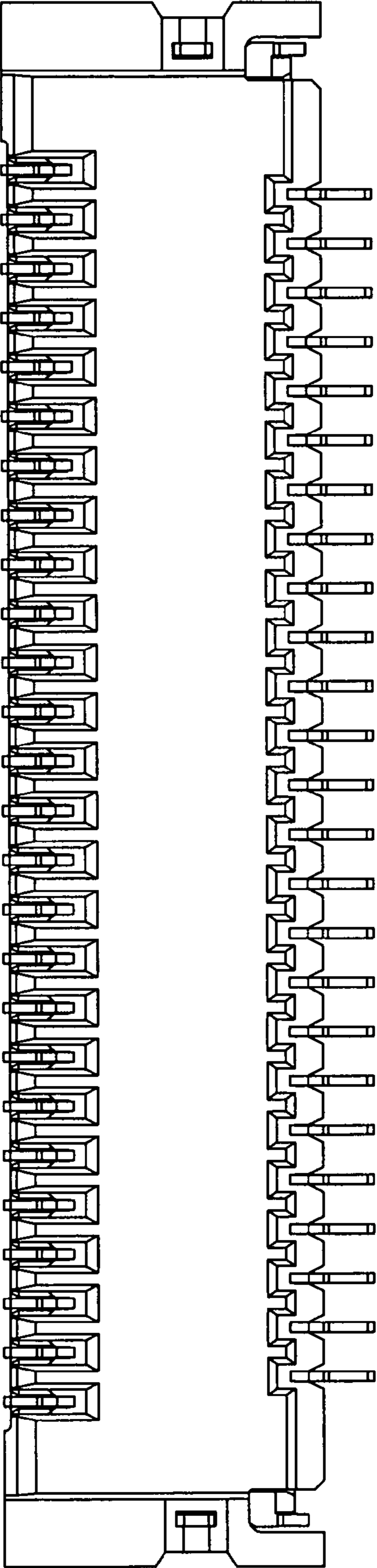


Fig. 8

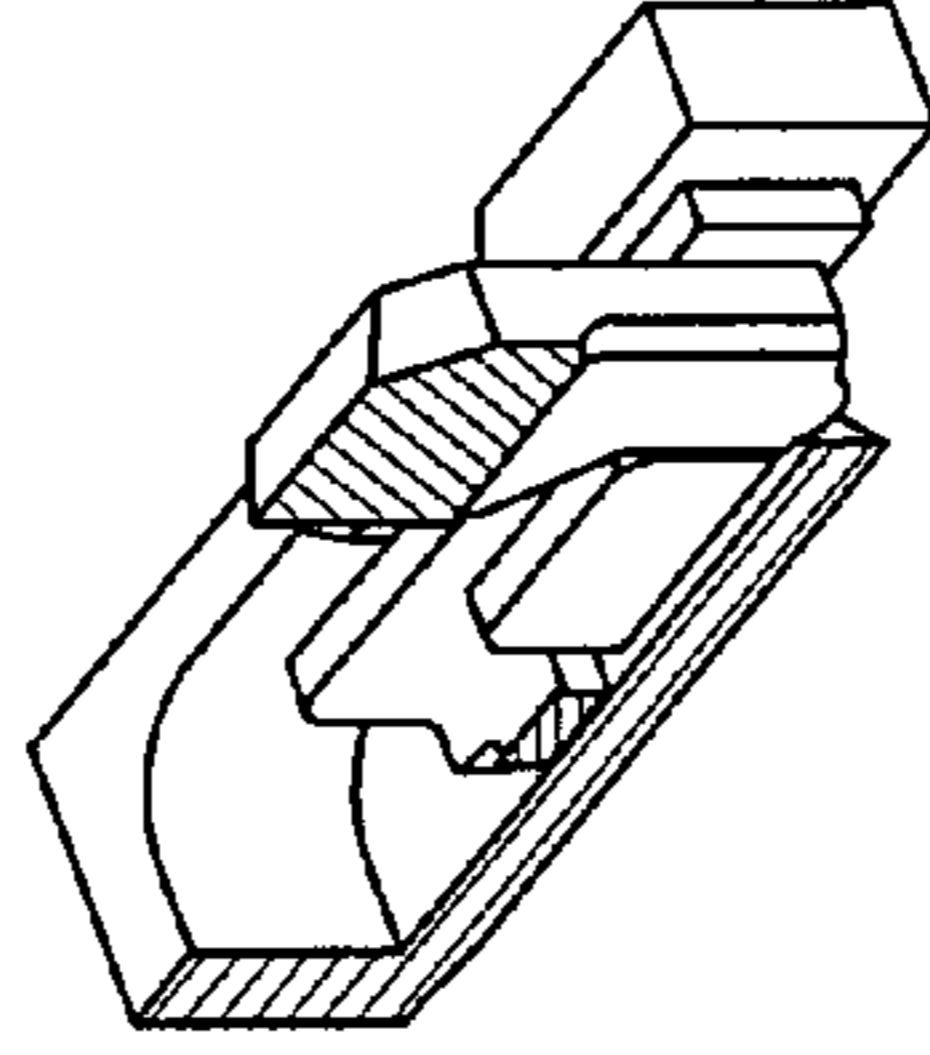


Fig. 10

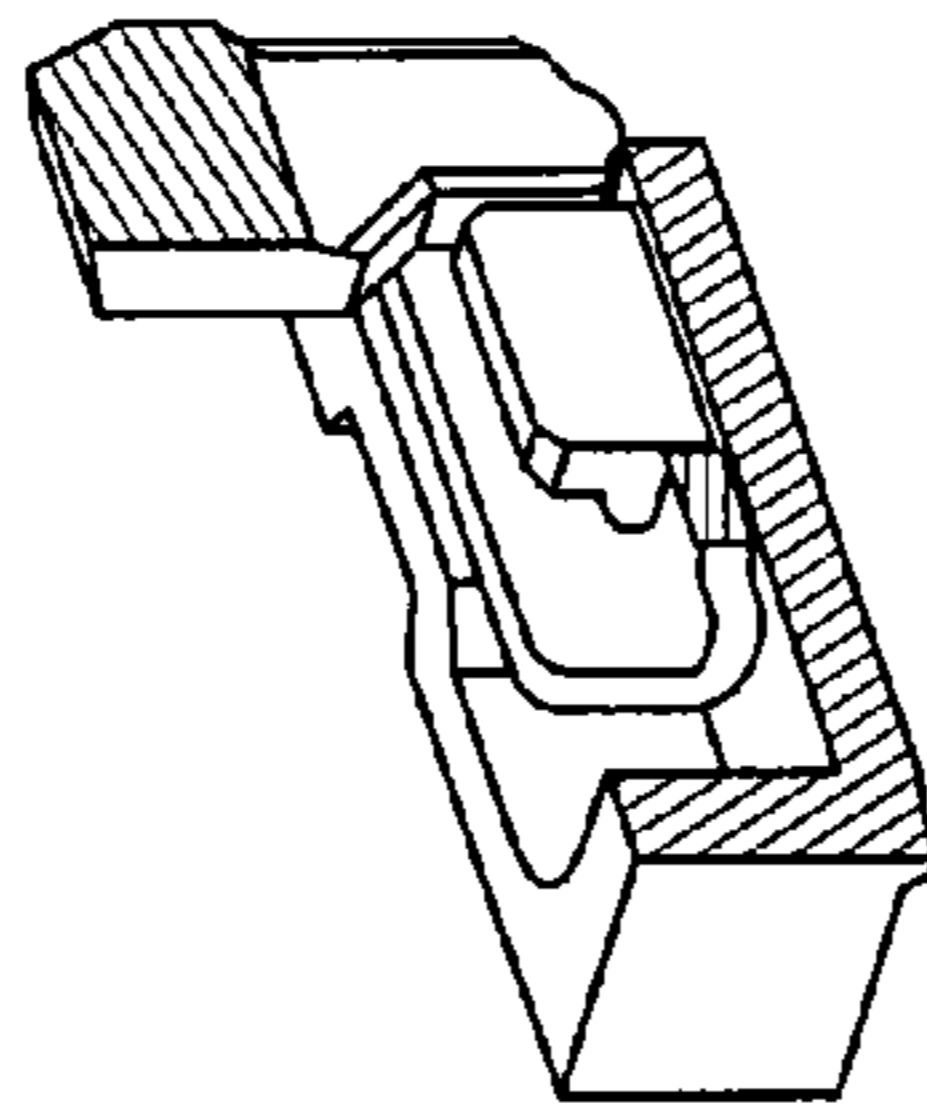


Fig. 9

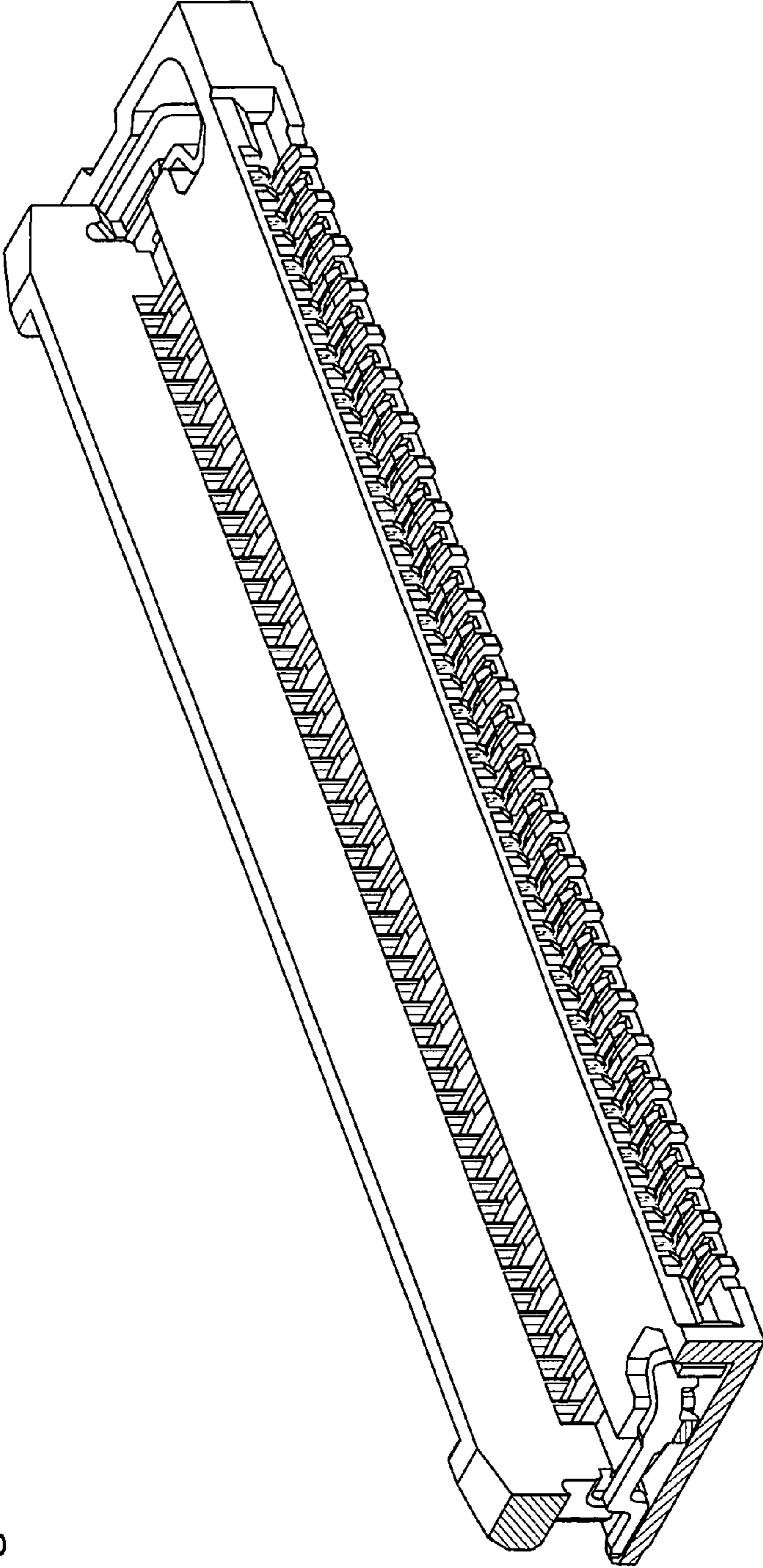
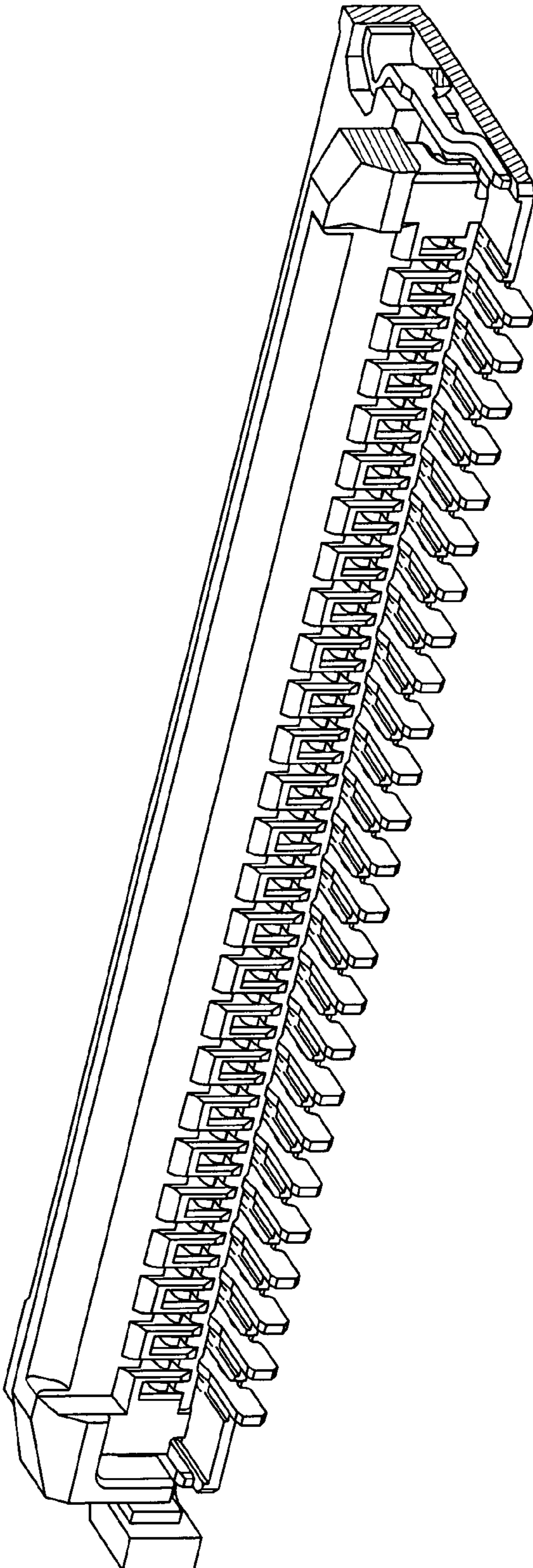


Fig. 11

Fig. 12



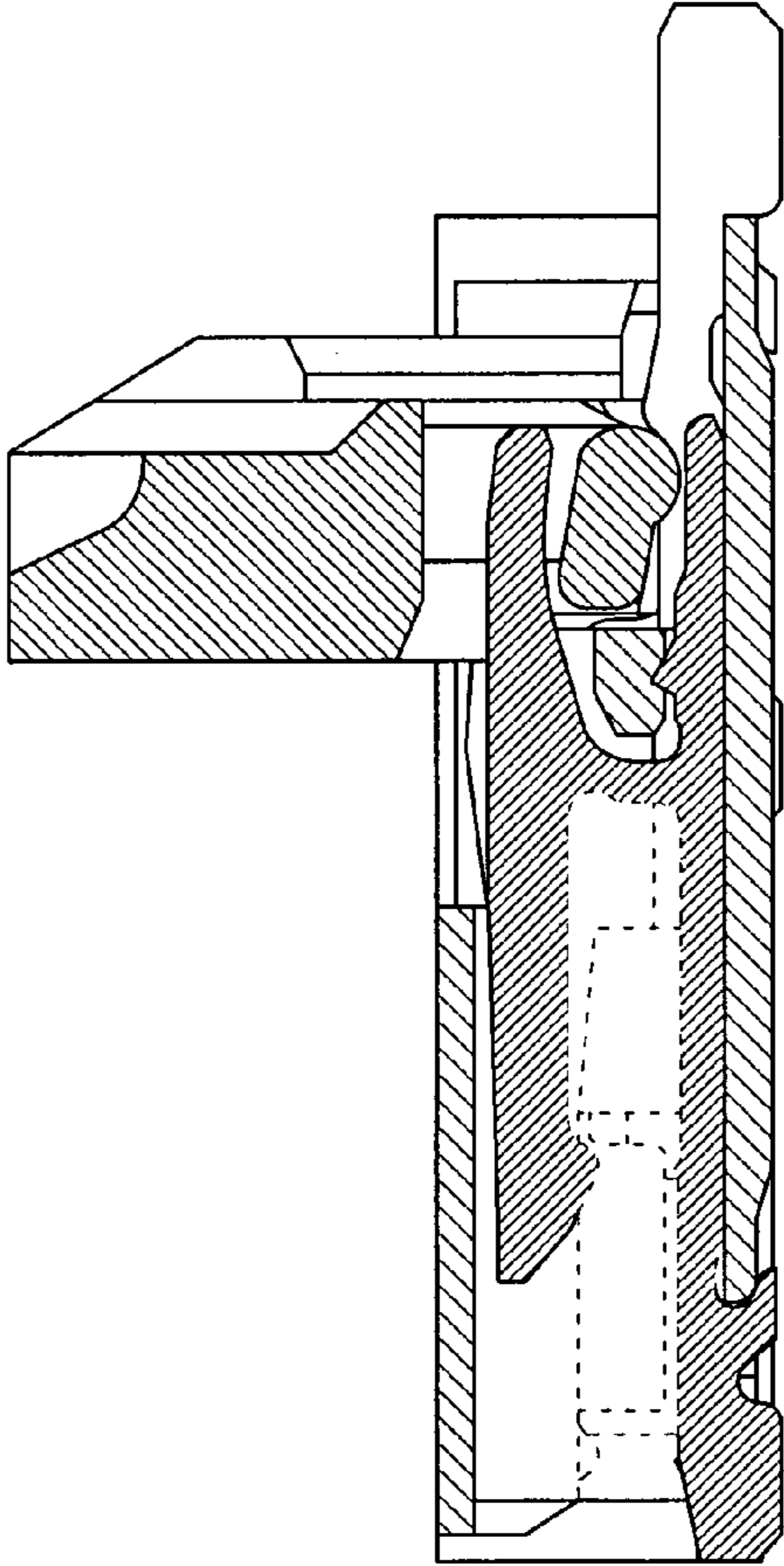


Fig. 13

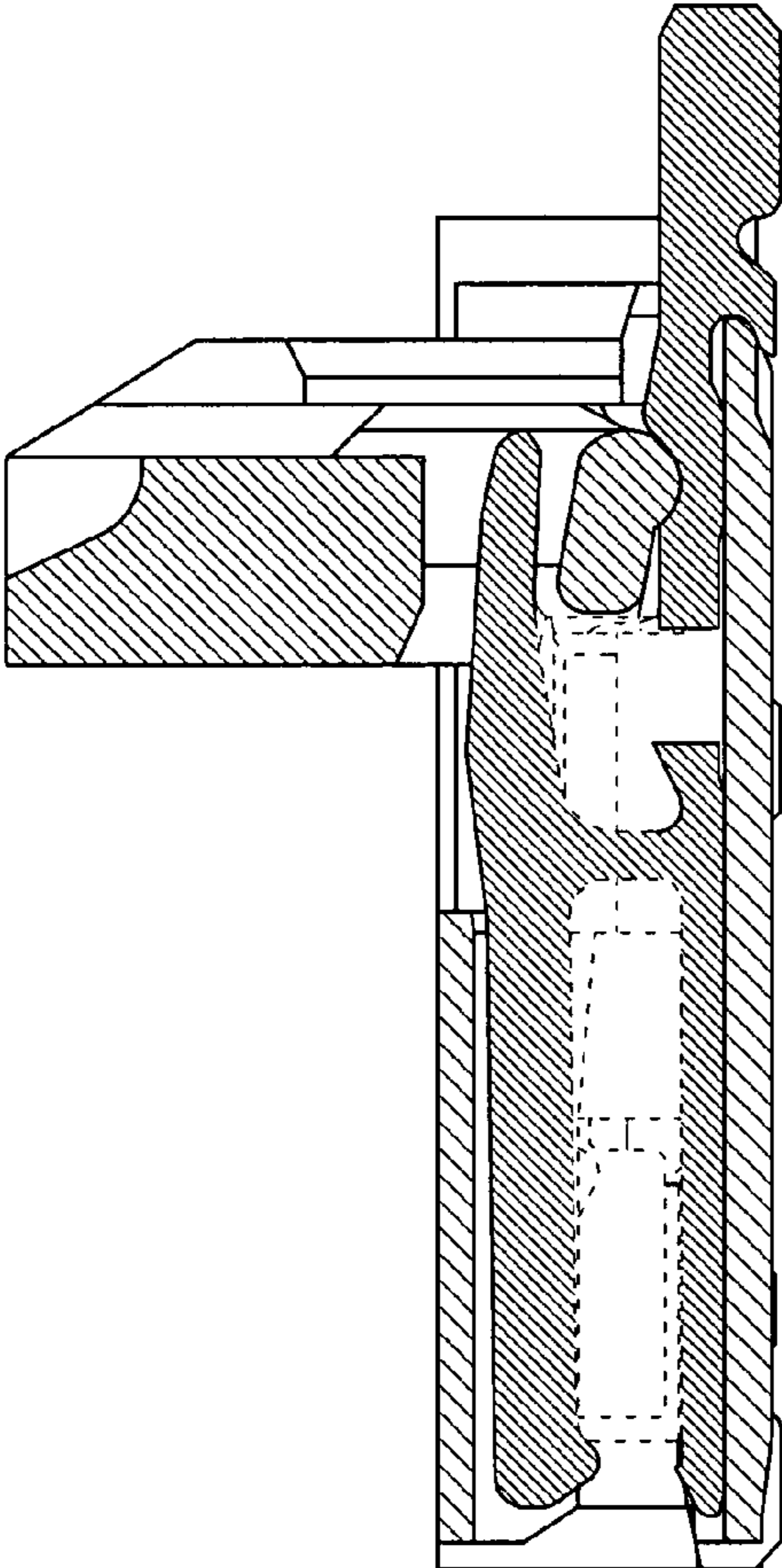


Fig. 14

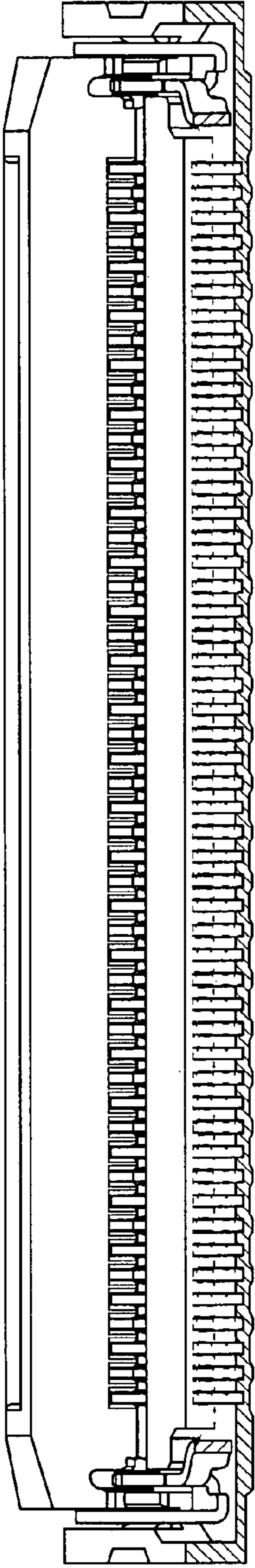


Fig. 15

Fig. 16

