US00D928091S

(12) United States Design Patent

Sasaki

(10) Patent No.: US D928,091 S
(45) Date of Patent: ** Aug. 17, 2021

(54) **ELECTRICAL CONNECTOR**

(71) Applicant: **HOSIDEN CORPORATION**, Yao (JP)

(72) Inventor: **Daisuke Sasaki**, Yao (JP)

(73) Assignee: **HOSIDEN CORPORATION**, Yao (JP)

(**) Term: **15 Years**

(21) Appl. No.: **29/709,853**

(22) Filed: **Oct. 17, 2019**

(30) **Foreign Application Priority Data**

Apr. 23, 2019 (JP) 2019-009026

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

(52) **U.S. Cl.**
USPC **D13/133**

(58) **Field of Classification Search**
USPC D13/133, 147, 123, 184, 199, 118, 120, D13/154, 153, 173, 106, 121; D14/240, D14/256, 356, 358, 432, 433, 435, 435.1, D14/438, 439, 125, 496, 480.1, 442
CPC H01R 4/24; H01R 4/2437; H01R 11/281; H01R 12/00; H01R 4/2462; H01R 12/714; H01R 13/4223; H01R 13/4226; H01R 35/00
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D419,133	S	*	1/2000	Yoshida	D13/120
6,951,488	B2	*	10/2005	Hsieh	H01R 13/2442 439/500
D605,592	S	*	12/2009	Mai	D13/120
D647,486	S	*	10/2011	Li	D13/147
D697,871	S	*	1/2014	de Bruijn	D13/147
D728,476	S	*	5/2015	Xie	D13/120
D744,958	S	*	12/2015	Chen	D13/154
D752,515	S	*	3/2016	Yamashita	D13/133
D761,735	S	*	7/2016	Sasaki	D13/147
D789,302	S	*	6/2017	Hsu	D13/147

(Continued)

OTHER PUBLICATIONS

Spring type Battery Connector Right Angle. Date: Sep. 29, 2019. [online], [Site visited Jan. 25, 2021], Available from Internet URL: https://www.newegg.com/p/300-007V-001M6 (Year: 2019).*

(Continued)

Primary Examiner — Brett Miller
Assistant Examiner — Landon Thomas Cassell
(74) *Attorney, Agent, or Firm* — Kratz, Quintos & Hanson, LLP

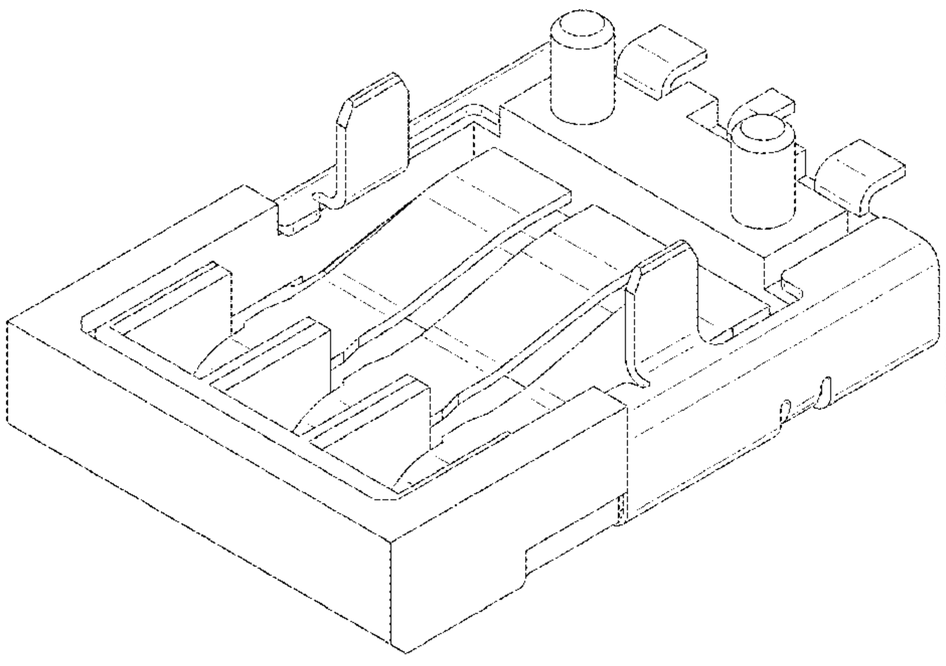
(57) **CLAIM**

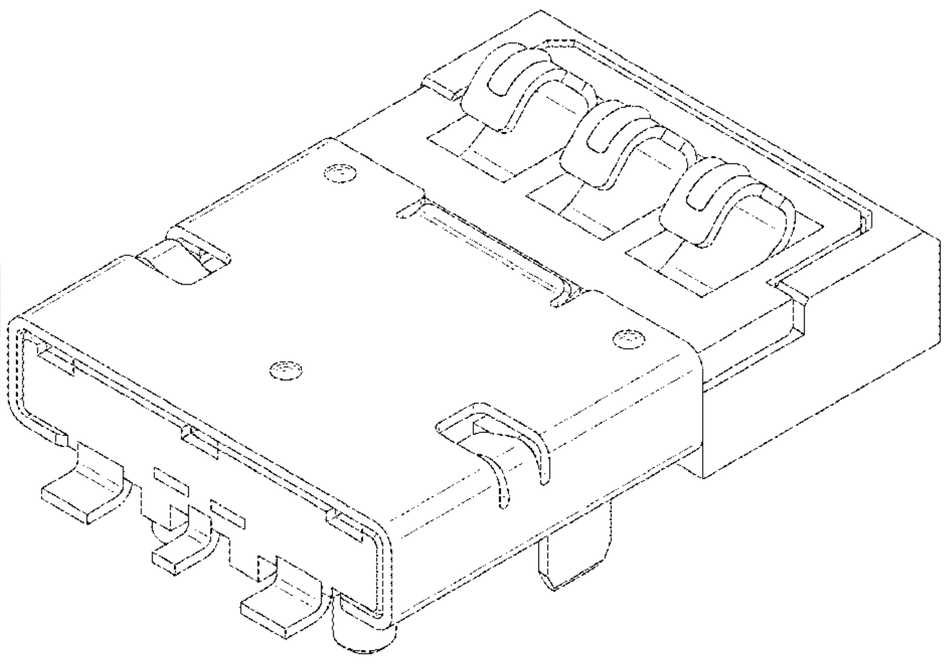
The ornamental design for an electrical connector, as shown and described.

DESCRIPTION

FIG. **1** is a front elevational view of an electrical connector according to the claimed design;
FIG. **2** is a back elevational view thereof;
FIG. **3** is a top plan view thereof;
FIG. **4** is a bottom plan view thereof;
FIG. **5** is a right side elevational view thereof;
FIG. **6** is a left side elevational view thereof;
FIG. **7** is a cross-sectional view thereof, taken along the line **7-7** in FIG. **3**;
FIG. **8** is a top, front, and right side perspective view thereof;
FIG. **9** is a bottom, front, and left side perspective view thereof;
FIG. **10** is a back, top, and left side perspective view thereof; and,
FIG. **11** is a back, bottom, and right side perspective view thereof.

1 Claim, 11 Drawing Sheets





(56) **References Cited**

U.S. PATENT DOCUMENTS

9,979,122	B1 *	5/2018	Nakamura	H01R 12/75
D867,301	S *	11/2019	Saitou	D13/147
10,594,061	B1 *	3/2020	Hashiguchi	H01R 12/57

OTHER PUBLICATIONS

Electrical connectors. (Design—© Questel) orbit.com. [Online PDF compilation of references] 22 pgs. Print Dates Range Oct. 24, 2005-Jul. 19, 2016 [Retrieved Jan. 26, 2021] https://www.orbit.com/export/UCZAH96B/pdf4/f682f20c-894a-4262-8683-b68f99a3f448-214843.pdf (Year: 2021).*

* cited by examiner

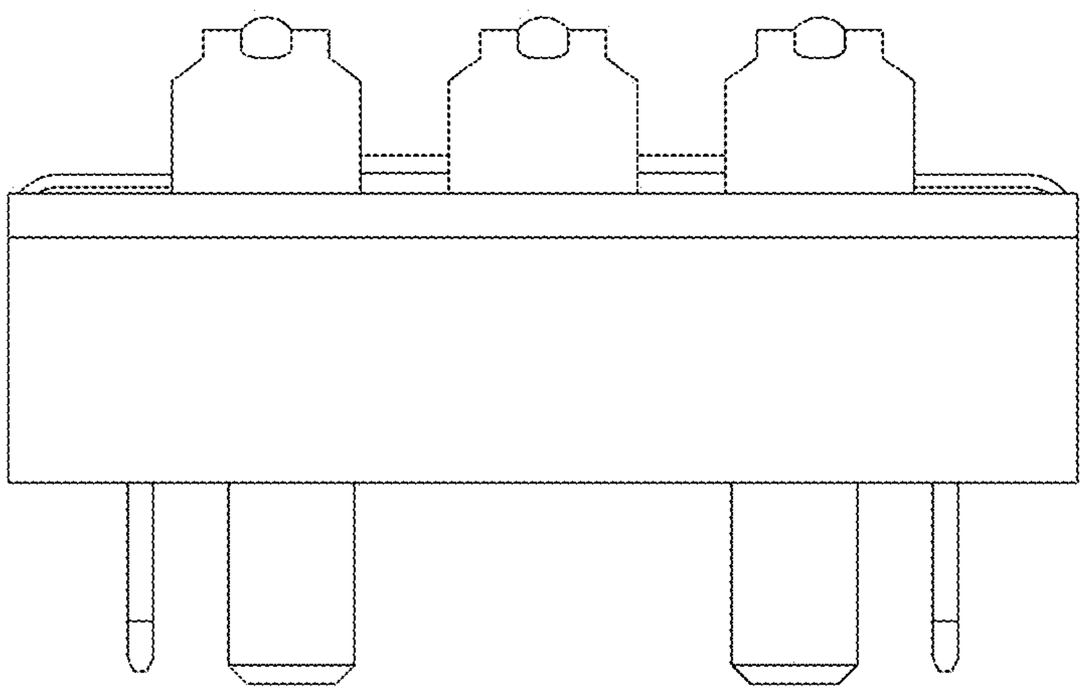


Fig. 1

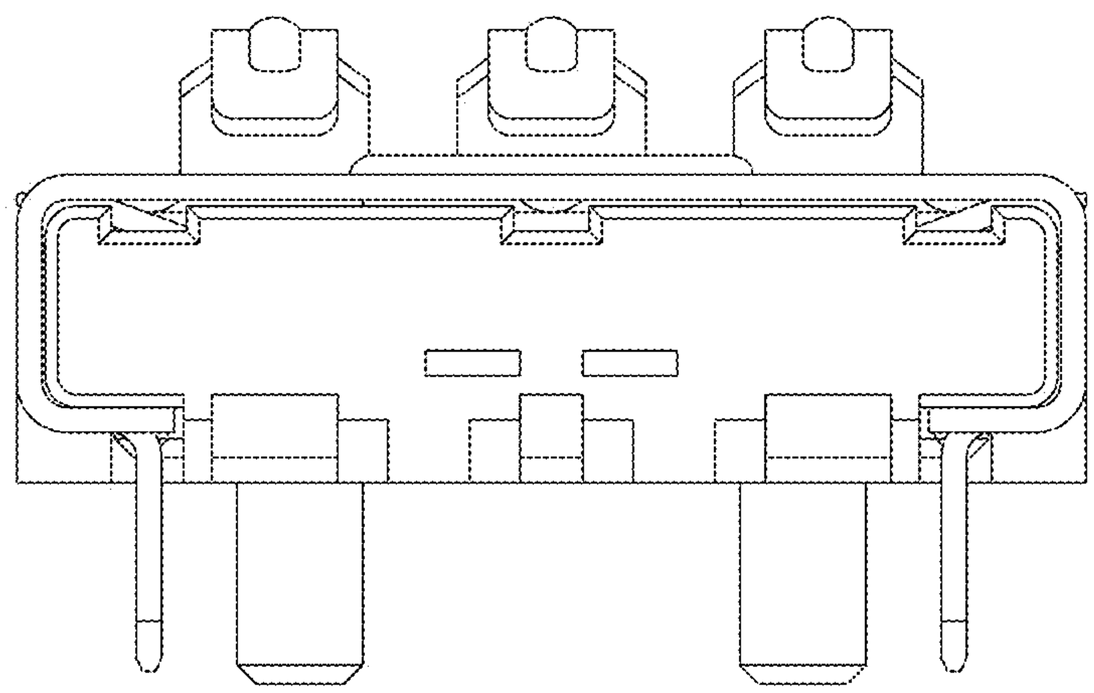


Fig.2

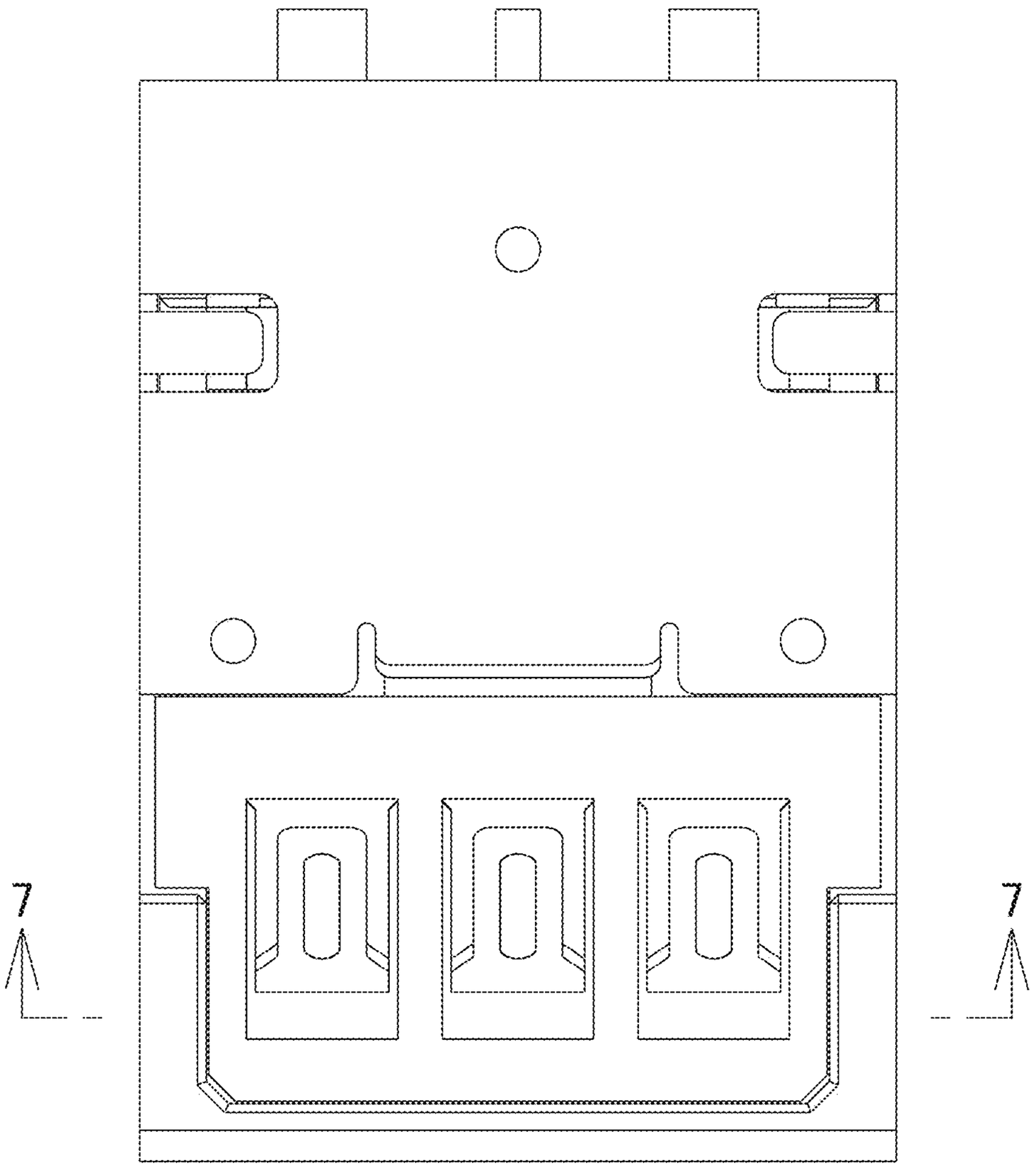


Fig.3

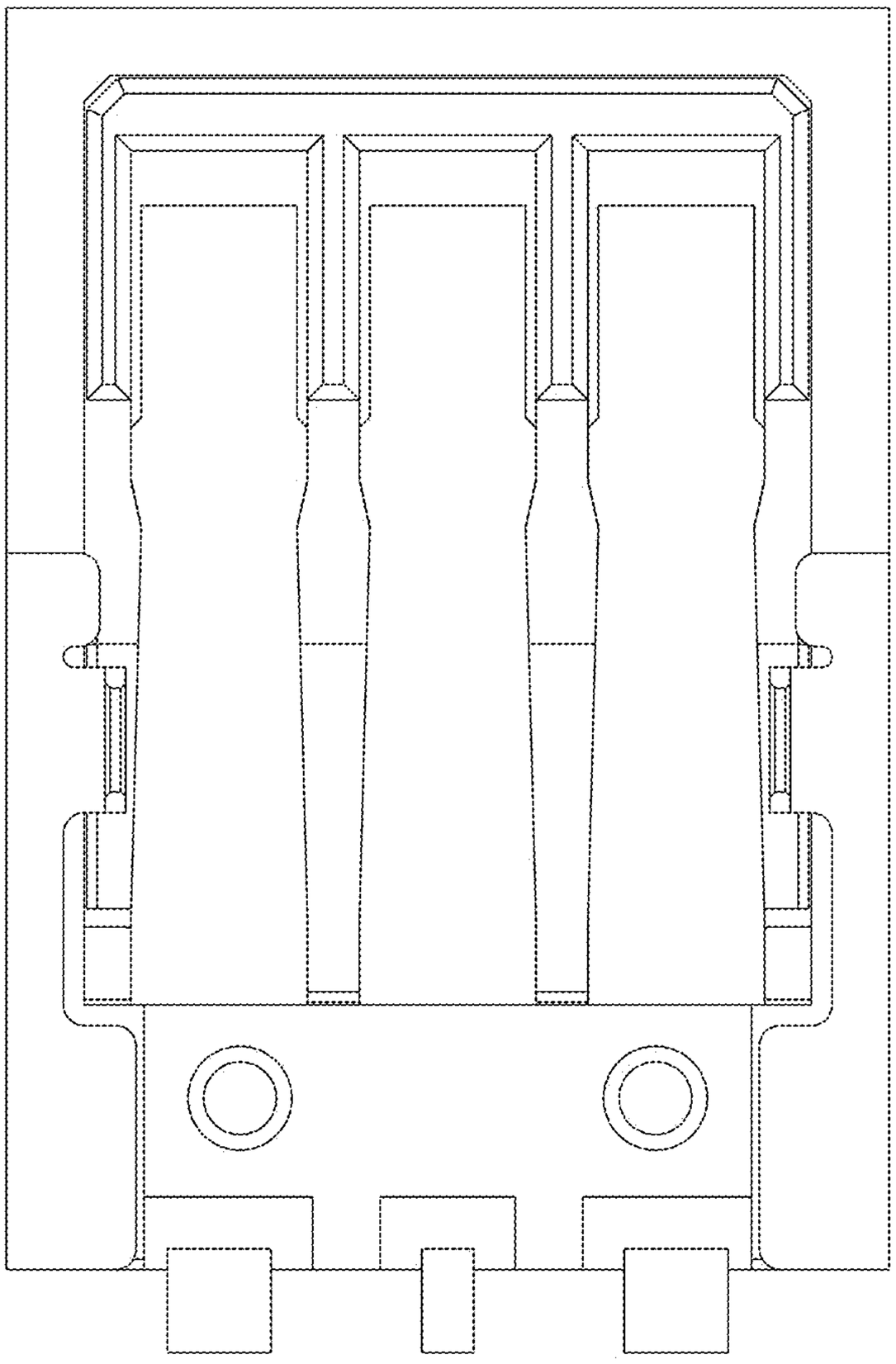


Fig.4

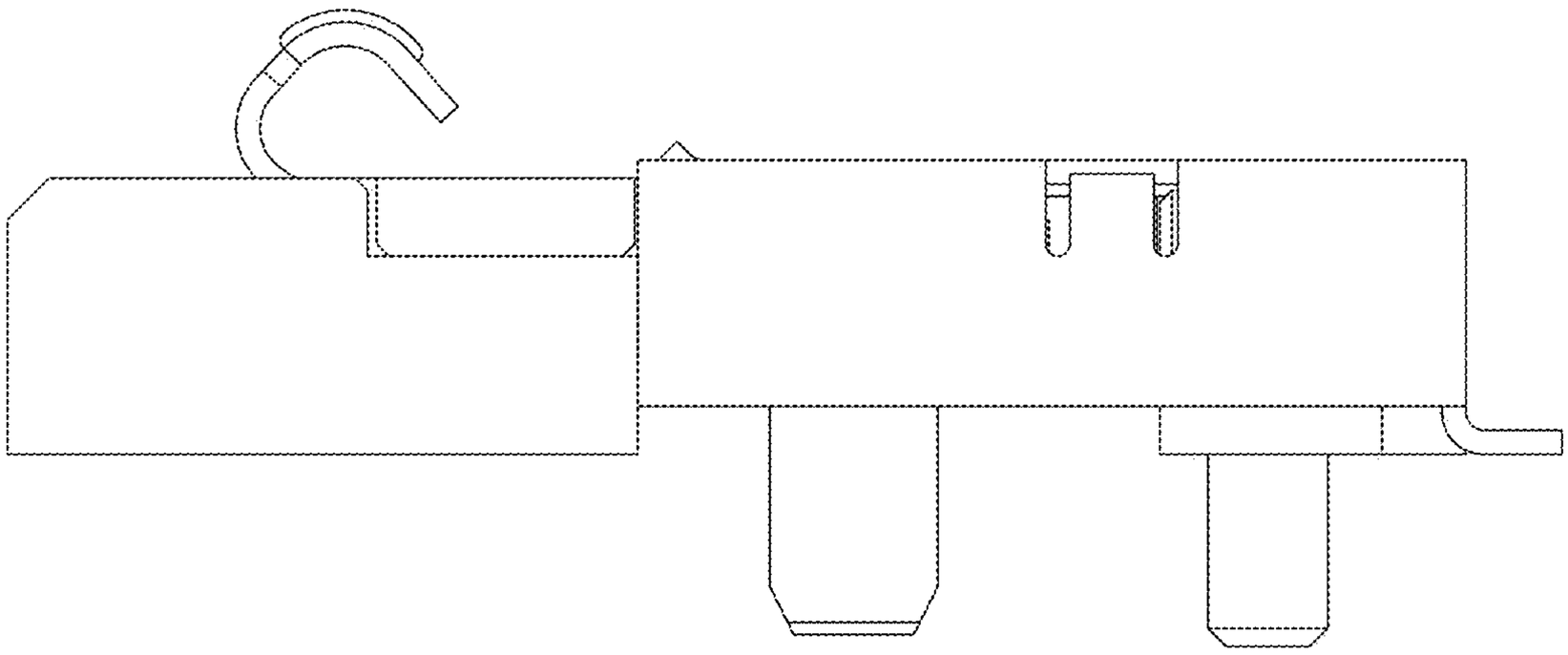


Fig.5

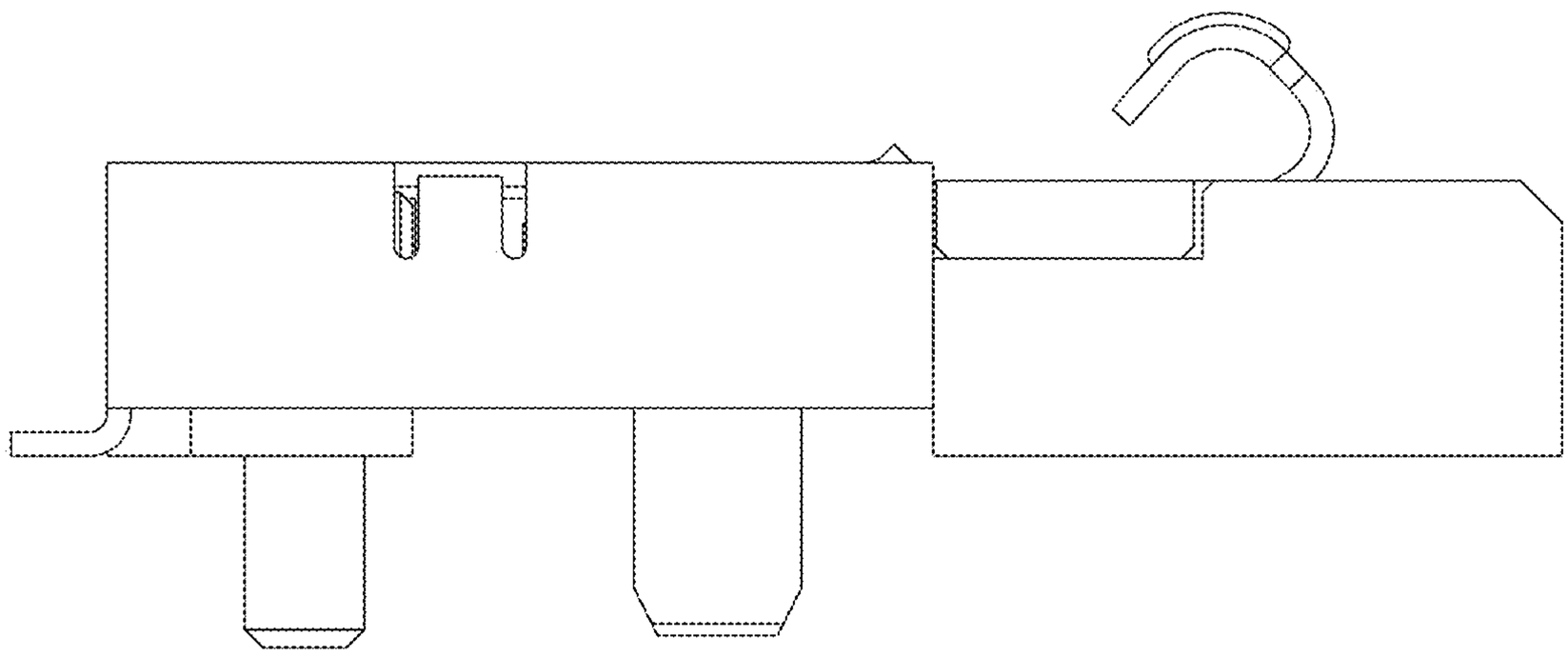


Fig.6

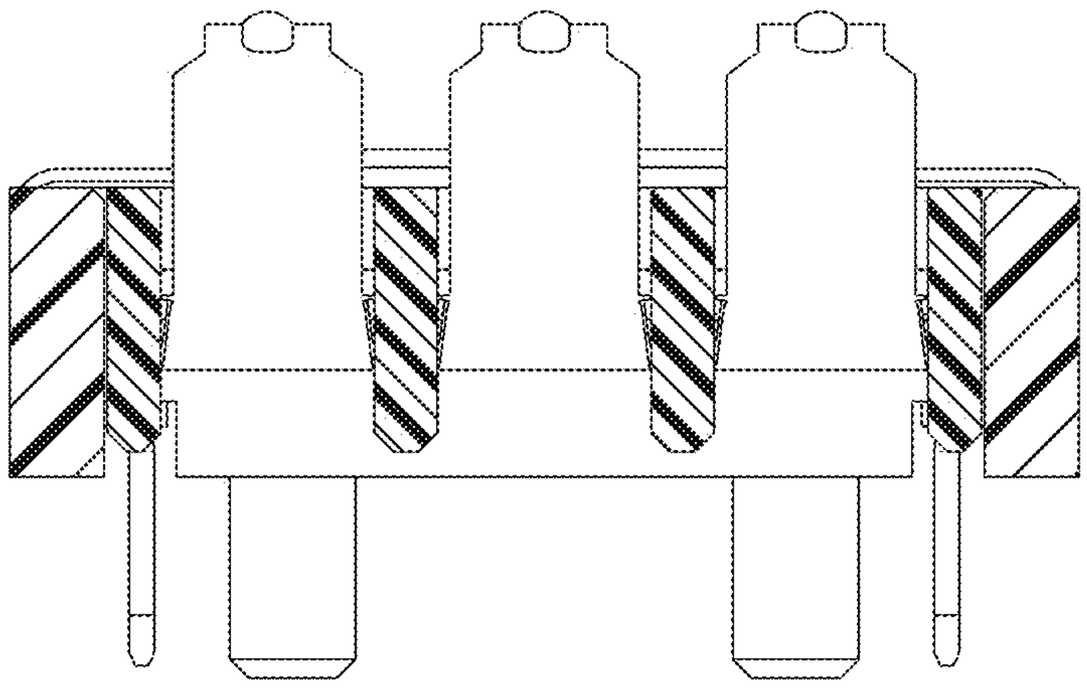


Fig.7

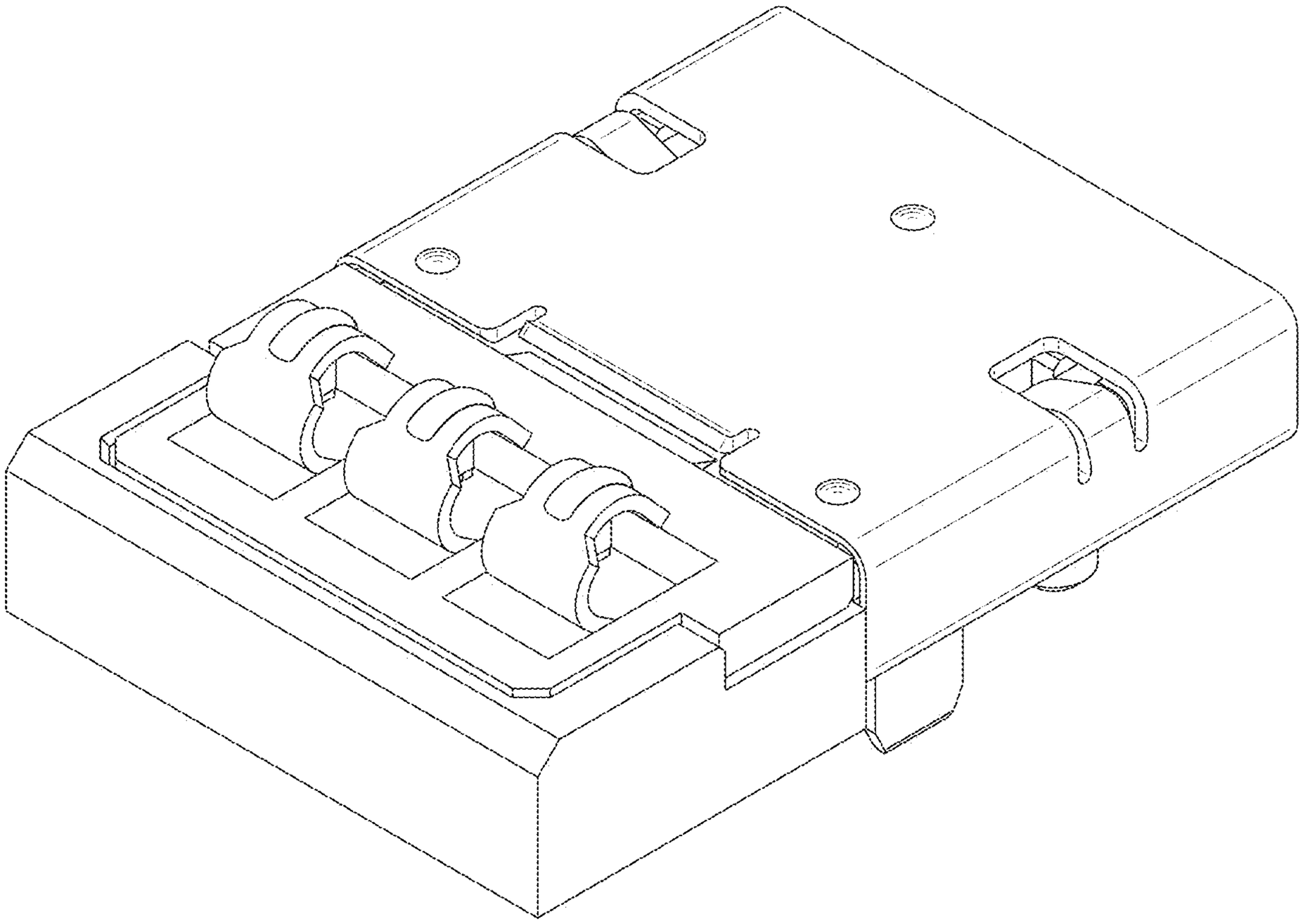


Fig.8

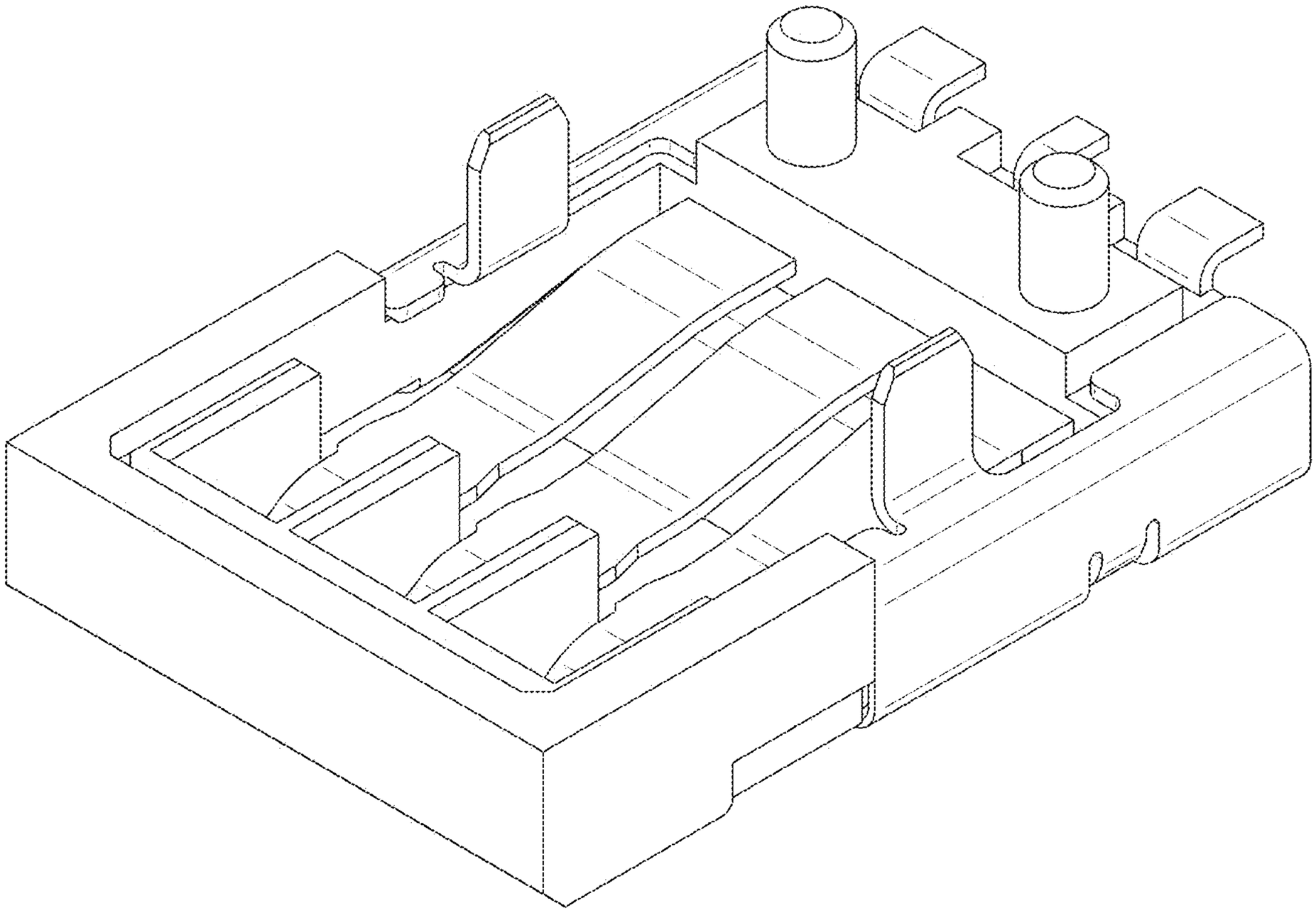


Fig.9

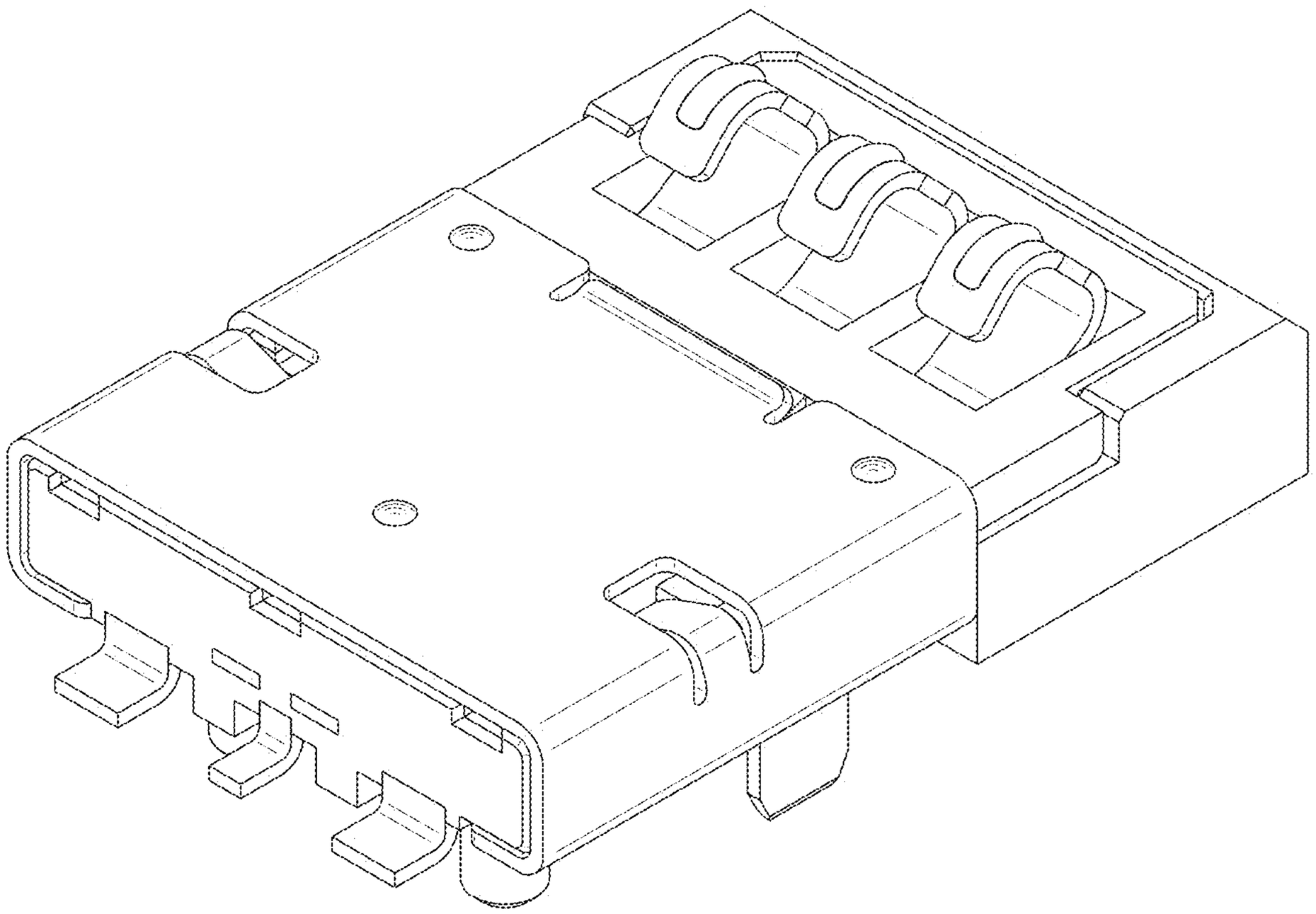


Fig.10

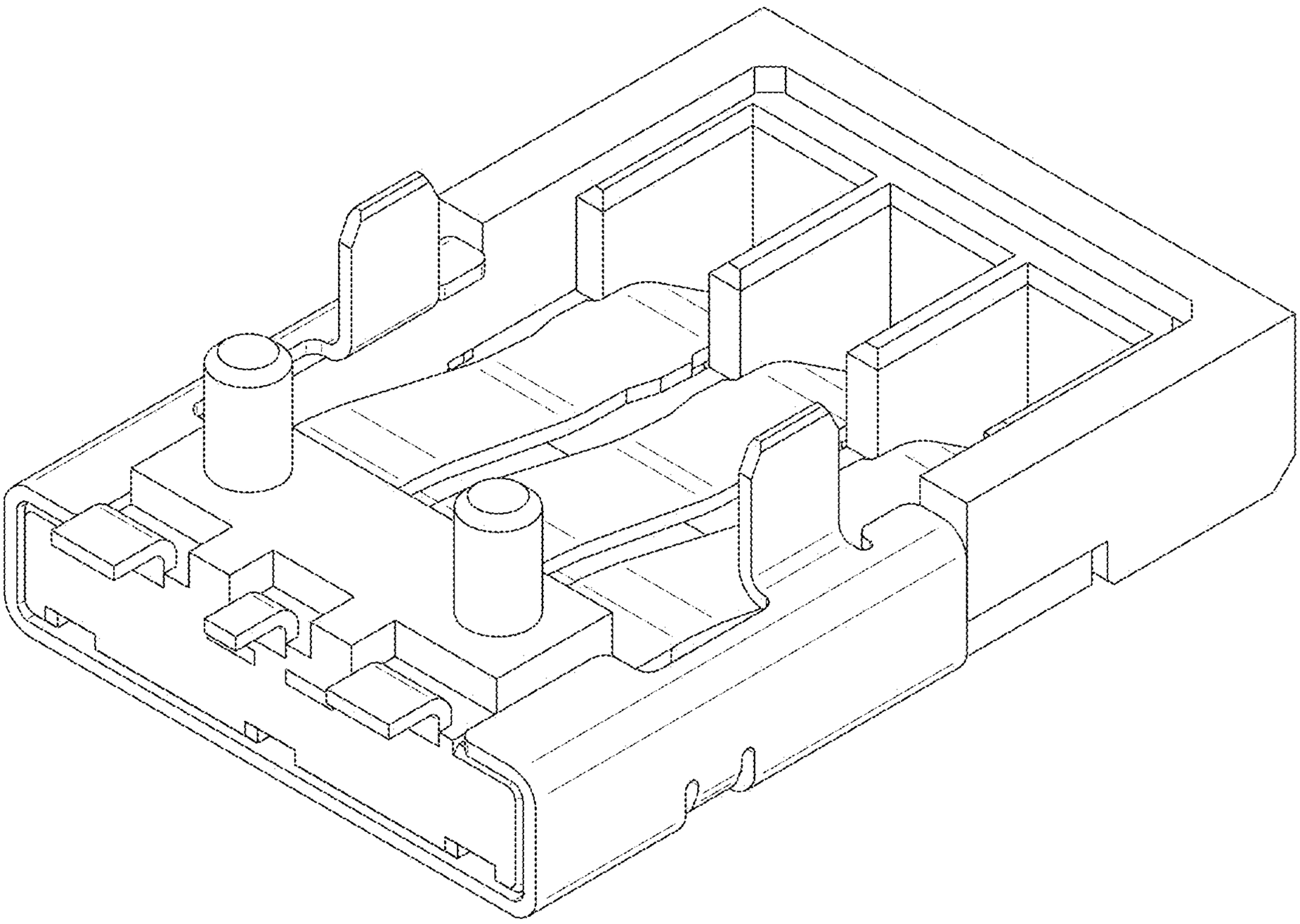


Fig. 11