US00D924164S

(12) United States Design Patent

Shimomaki

(10) Patent No.: US D924,164 S
(45) Date of Patent: ** Jul. 6, 2021

(54) **CONNECTOR**

(71) Applicant: **Japan Aviation Electronics Industry, Limited**, Tokyo (JP)

(72) Inventor: **Yuta Shimomaki**, Tokyo (JP)

(73) Assignee: **JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED**, Tokyo (JP)

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

(21) Appl. No.: **29/707,784**

(22) Filed: **Oct. 1, 2019**

(30) **Foreign Application Priority Data**

Apr. 17, 2019 (JP) 2019-008469

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

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

(58) **Field of Classification Search**
USPC D13/101, 107, 118, 123, 133, 146, 147, D13/154, 173, 184, 199
CPC H01R 12/00; H01R 12/58; H01R 12/72; H01R 13/00; H01R 13/64; H01R 13/6585; H01R 13/6591; H01R 13/648; H01R 13/6581; H01R 24/60; H01R 24/64; H01R 24/78
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D639,247	S *	6/2011	Xie	D13/147
D732,536	S *	6/2015	Kang	D14/433
D797,063	S *	9/2017	Tsai	D13/174
2015/0194770	A1 *	7/2015	Little	H01R 13/6582 439/607.27
2016/0013591	A1 *	1/2016	Ueda	H01R 13/6581 439/607.28
2016/0013599	A1 *	1/2016	Ueda	H01R 12/724 439/607.01

(Continued)

FOREIGN PATENT DOCUMENTS

JP	2017076472	A *	4/2017	H01R 13/405
JP	2019067728	A *	4/2019	H01R 12/71

OTHER PUBLICATIONS

DX07 Series USB Type-C™ Connector, dated Sep. 10, 2016, [online], [site visited Nov. 4, 2020]. Available from Internet, URL: https://ww1.prweb.com/prfiles/2015/06/12/12787039/DX07_CTM_pdf.pdf (Year: 2016).*

Primary Examiner — Shawn T Gingrich
(74) *Attorney, Agent, or Firm* — Manabu Kanesaka

(57) **CLAIM**

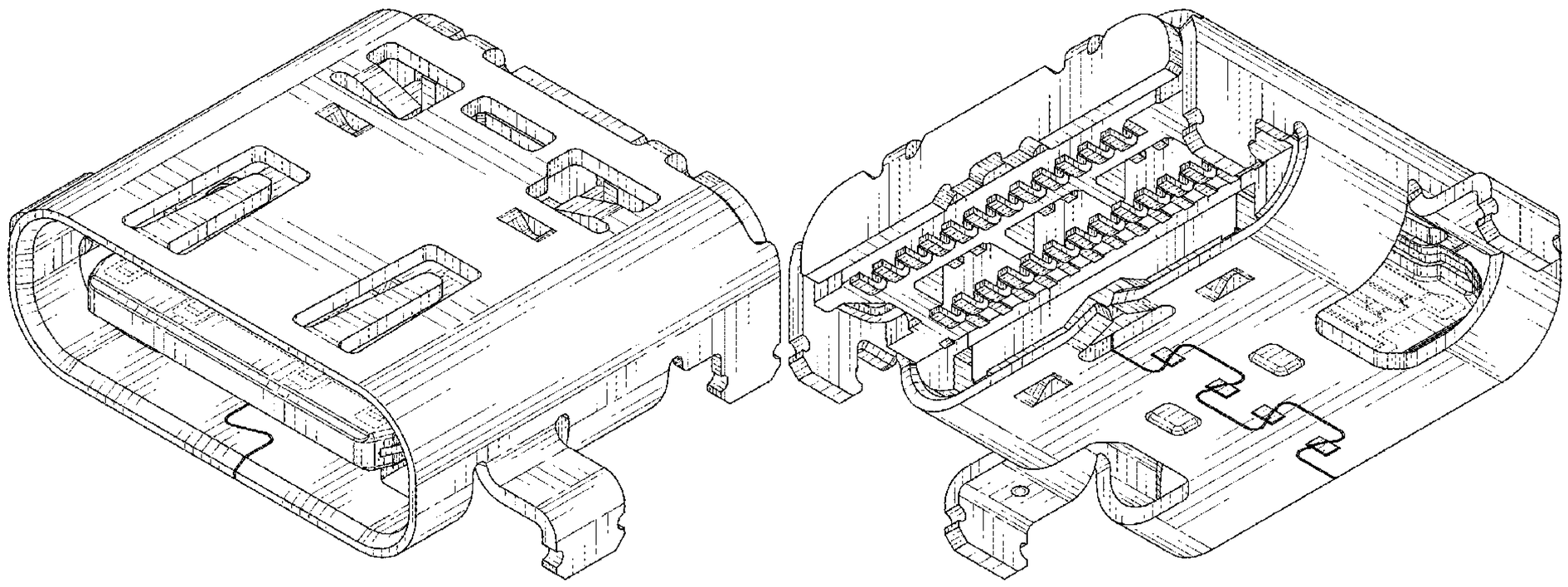
The ornamental design for a connector, as shown and described.

DESCRIPTION

FIG. **1** is a front elevational view of a connector showing my new design;
FIG. **2** is a rear elevational view thereof;
FIG. **3** is a right side elevational view thereof;
FIG. **4** is a left side elevational view thereof;
FIG. **5** is a top plan view thereof;
FIG. **6** is a bottom plan view thereof;
FIG. **7** is a perspective view showing a front, top and right side thereof;
FIG. **8** is a perspective view showing a rear, bottom and left side thereof;
FIG. **9** is a perspective view showing a front, right and bottom side thereof; and,
FIG. **10** is a perspective view showing a rear, left and top side thereof.

The broken line showing of the connector is for the purpose of illustrating portions of the article and forms no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

2016/0149349	A1*	5/2016	Kao	H01R 13/6586 439/607.05
2016/0359256	A1*	12/2016	Zhang	H01R 13/405
2016/0359274	A1*	12/2016	Zhang	H01R 43/24
2016/0380388	A1*	12/2016	Guo	H01R 24/60 439/83
2017/0141495	A1*	5/2017	Cheng	H01R 13/405
2017/0194750	A1*	7/2017	Zhao	H01R 13/6585
2017/0201046	A1*	7/2017	Zhao	H01R 13/502
2017/0250508	A1*	8/2017	Yu	H01R 13/6582
2018/0006408	A1*	1/2018	Wen	H01R 24/62
2020/0136315	A1*	4/2020	Tanaka	H01R 13/405

* cited by examiner

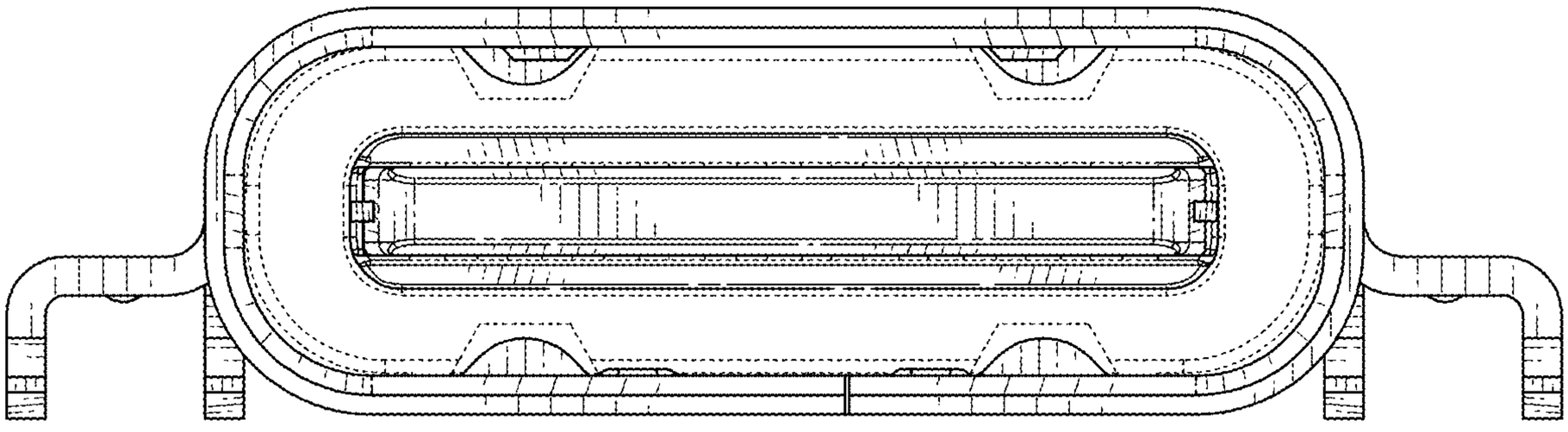


FIG. 1

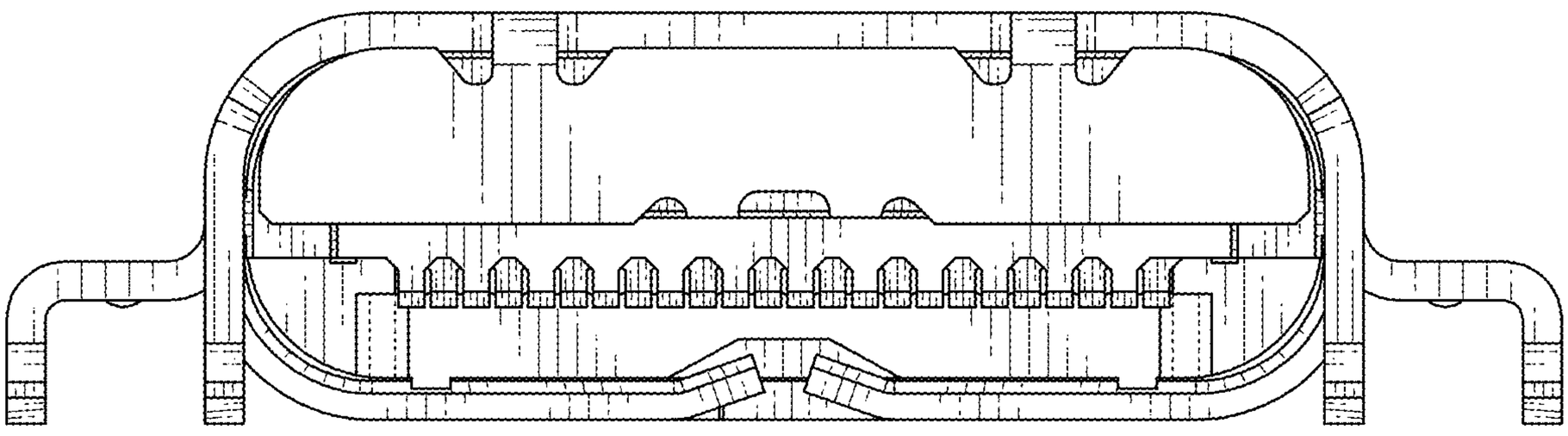


FIG. 2

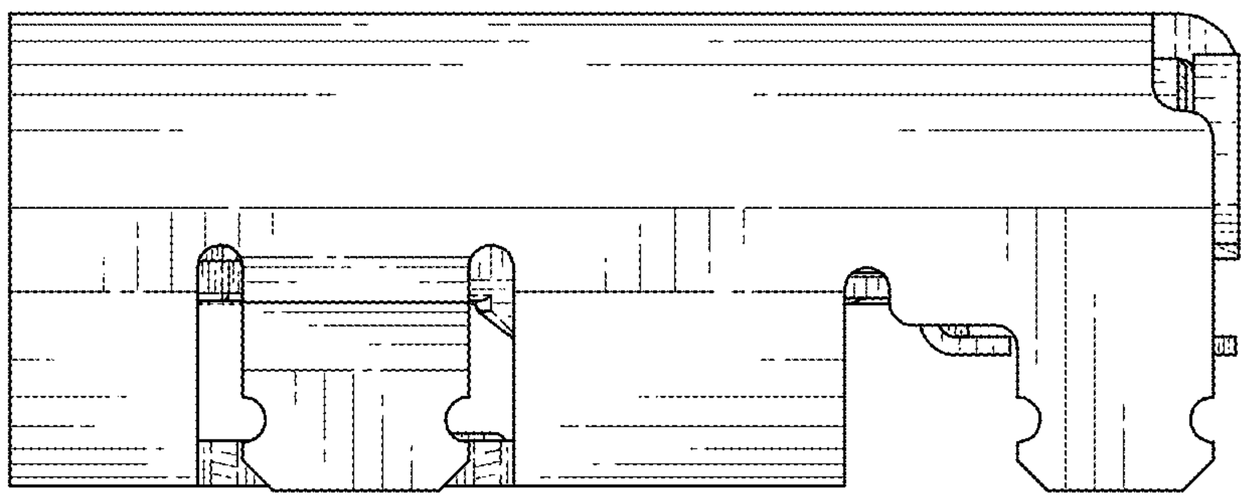


FIG. 3

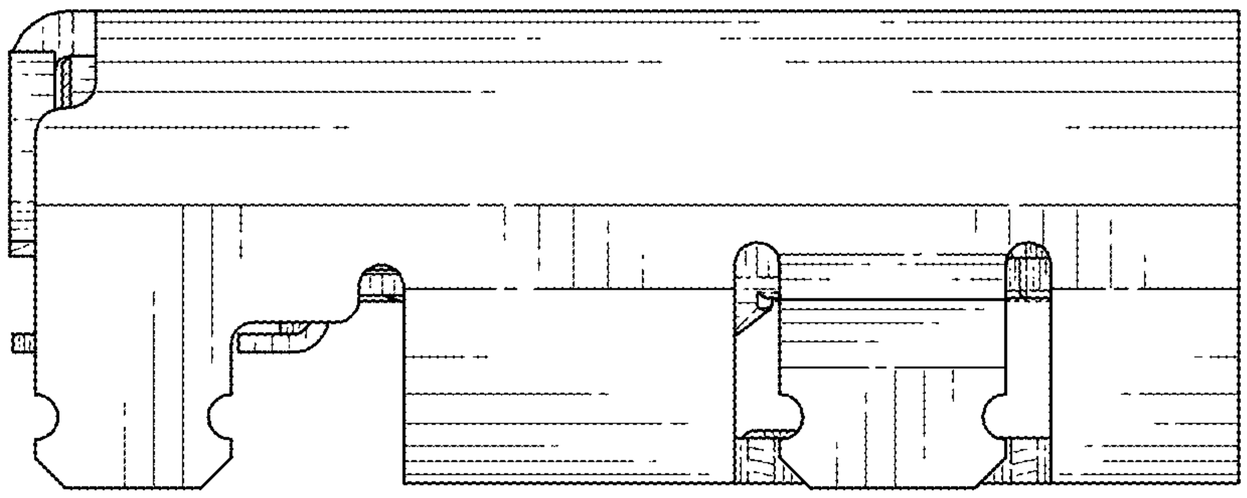


FIG. 4

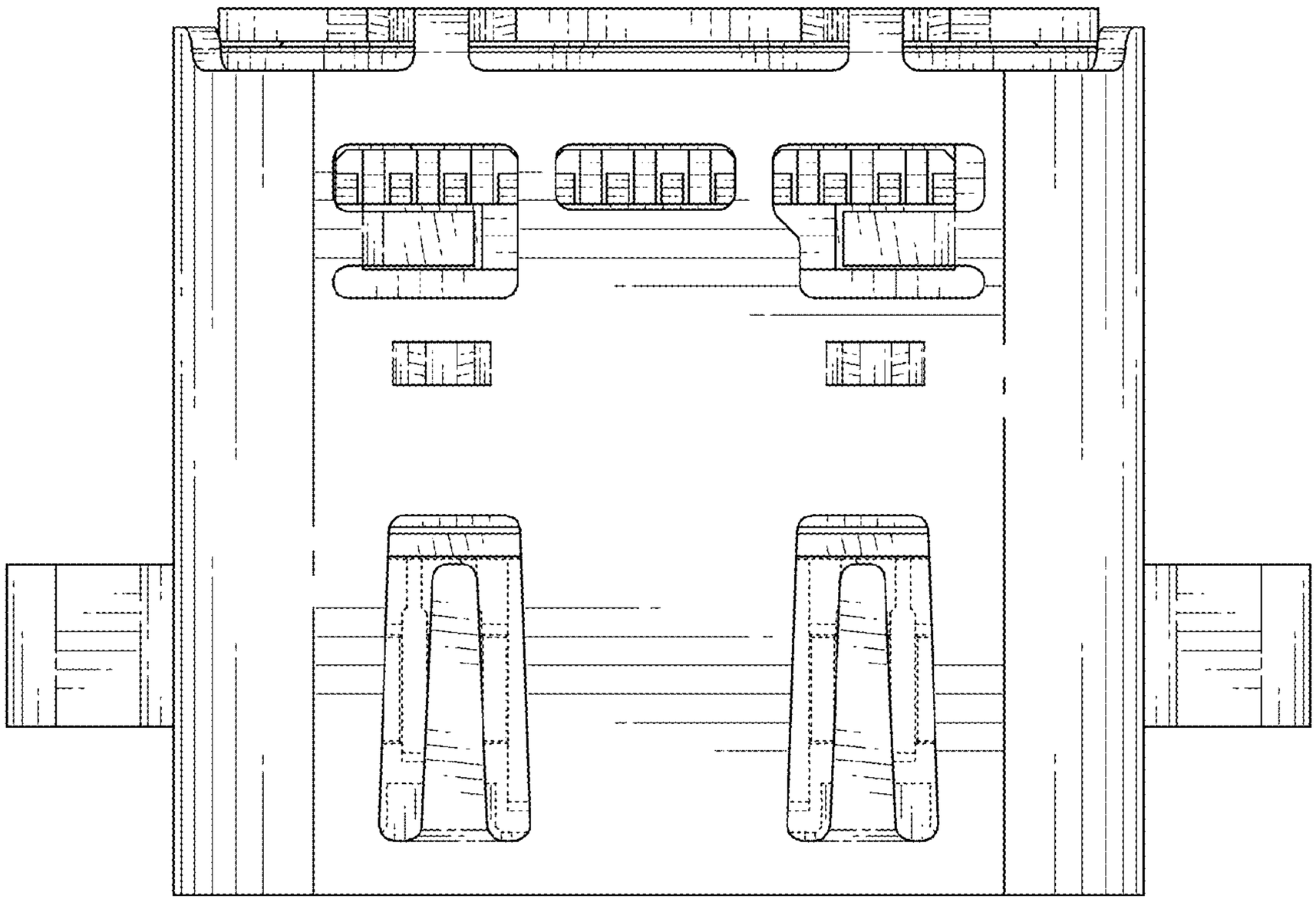


FIG. 5

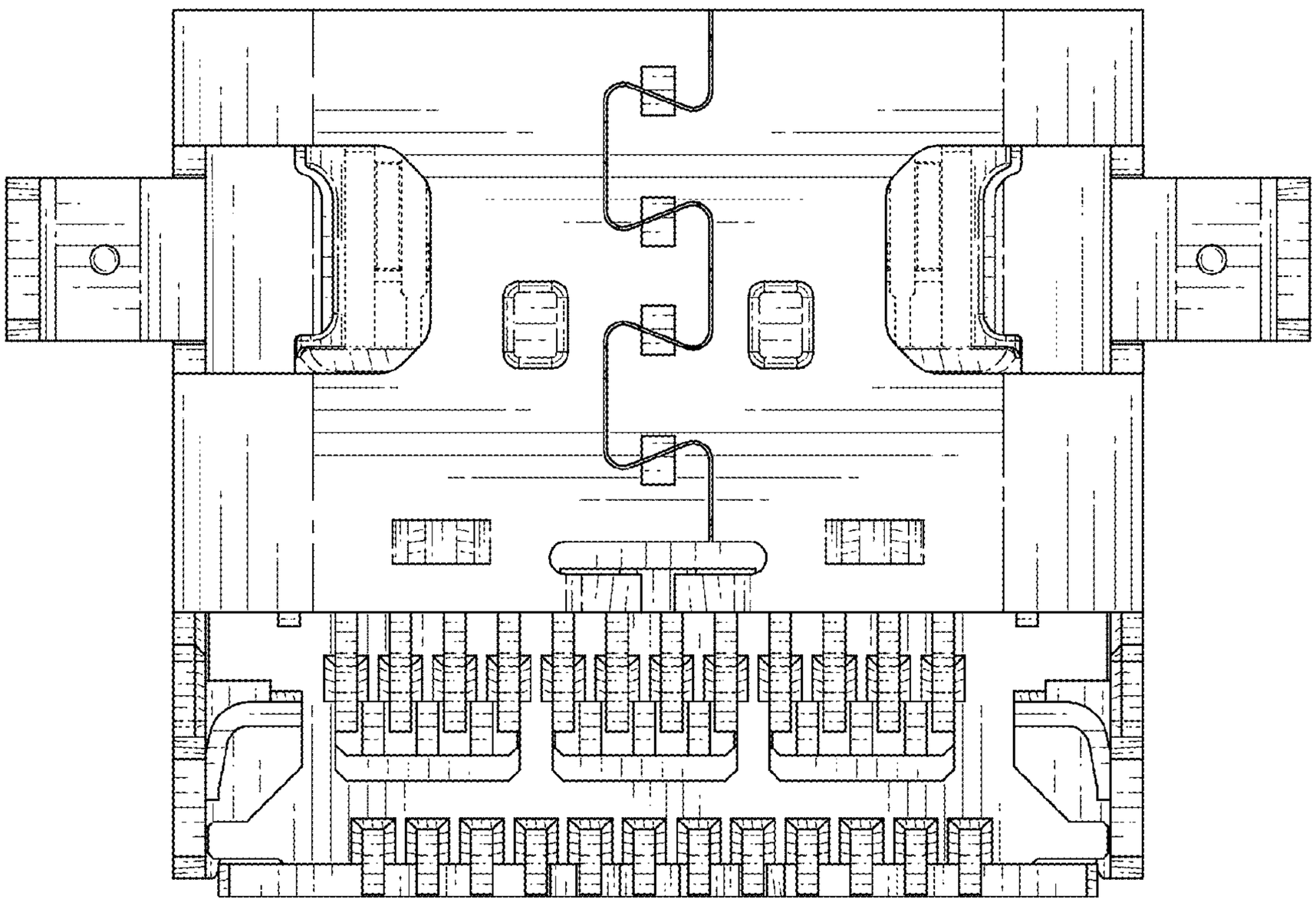


FIG. 6

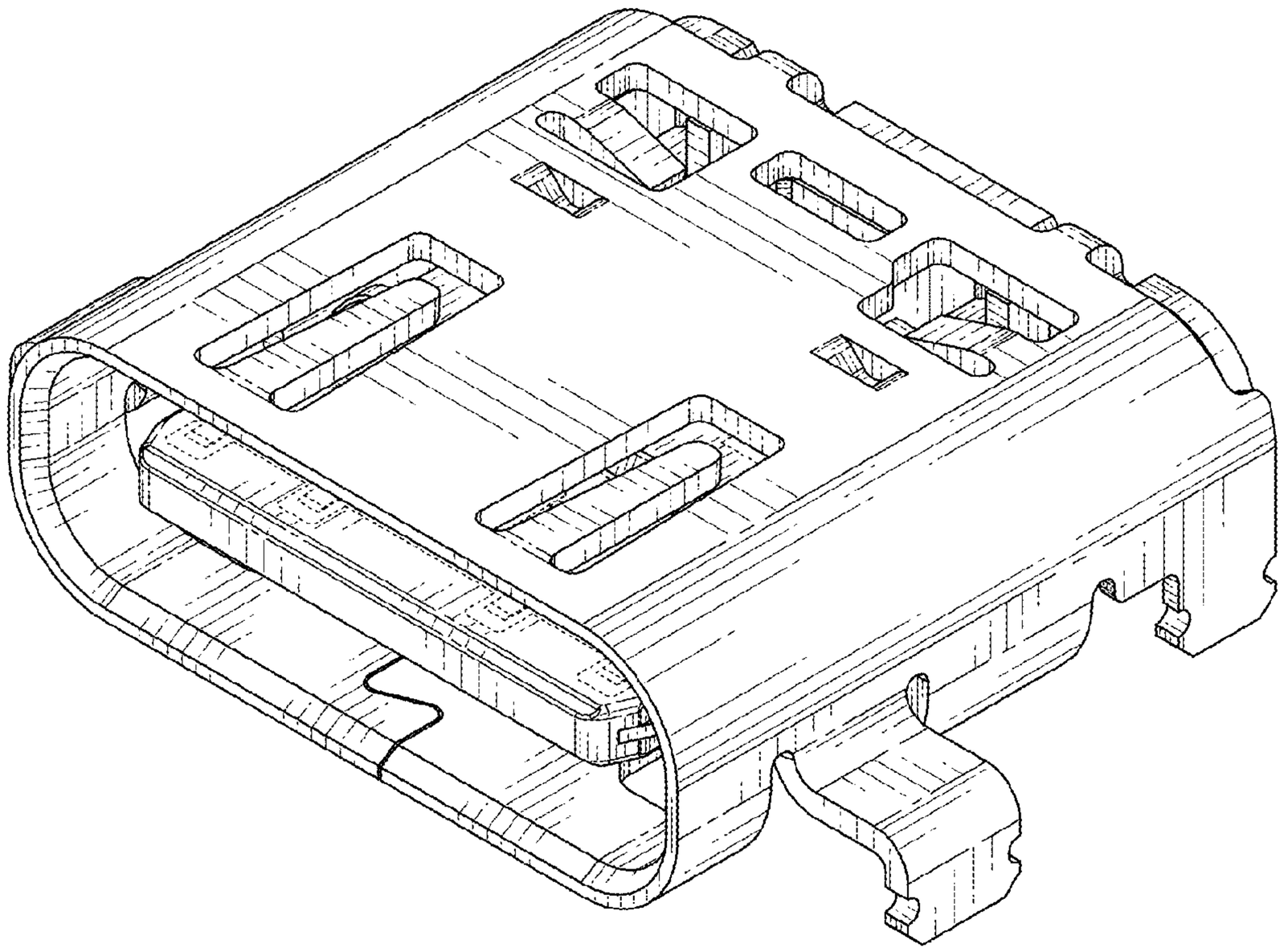


FIG. 7

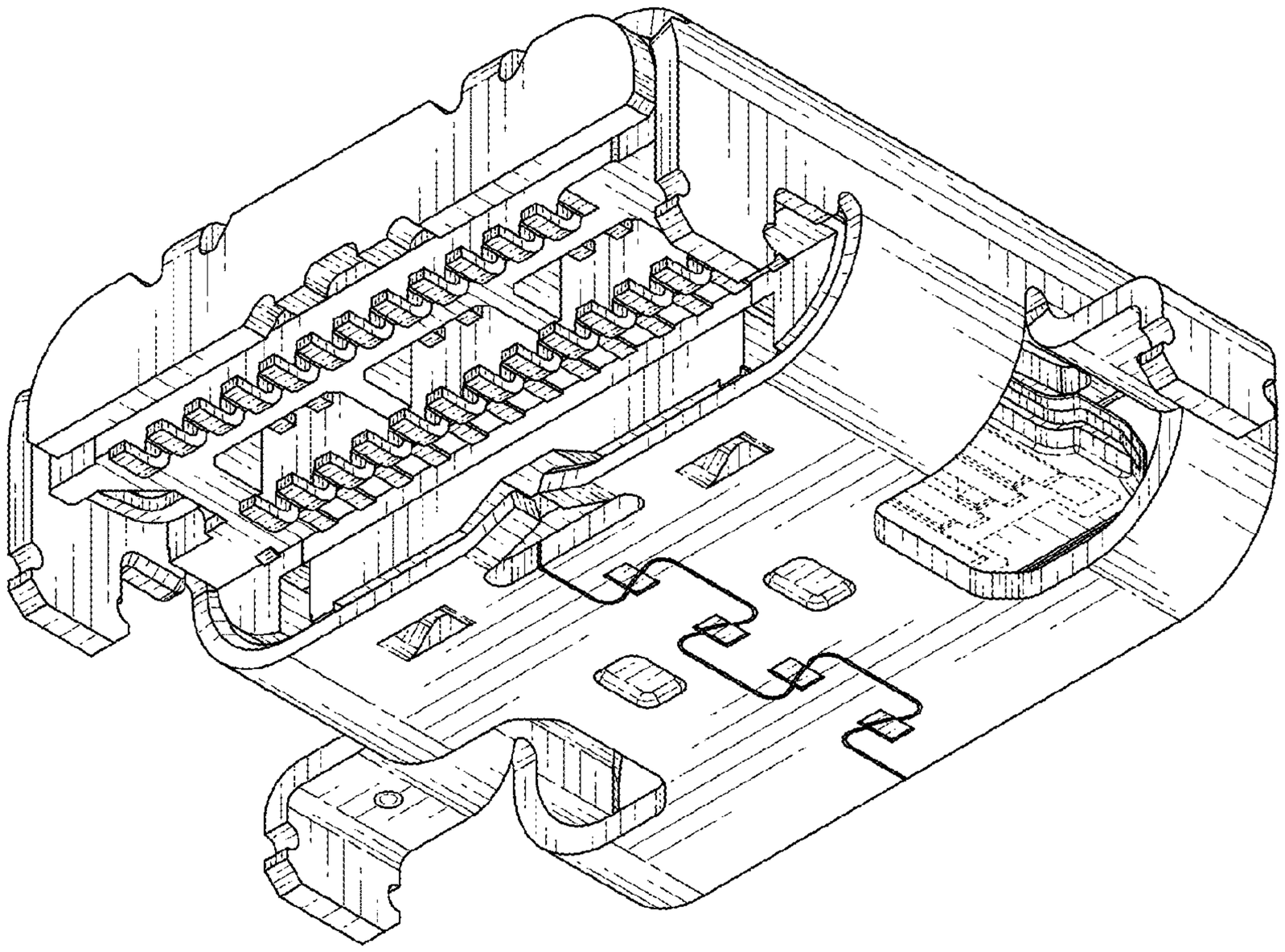


FIG. 8

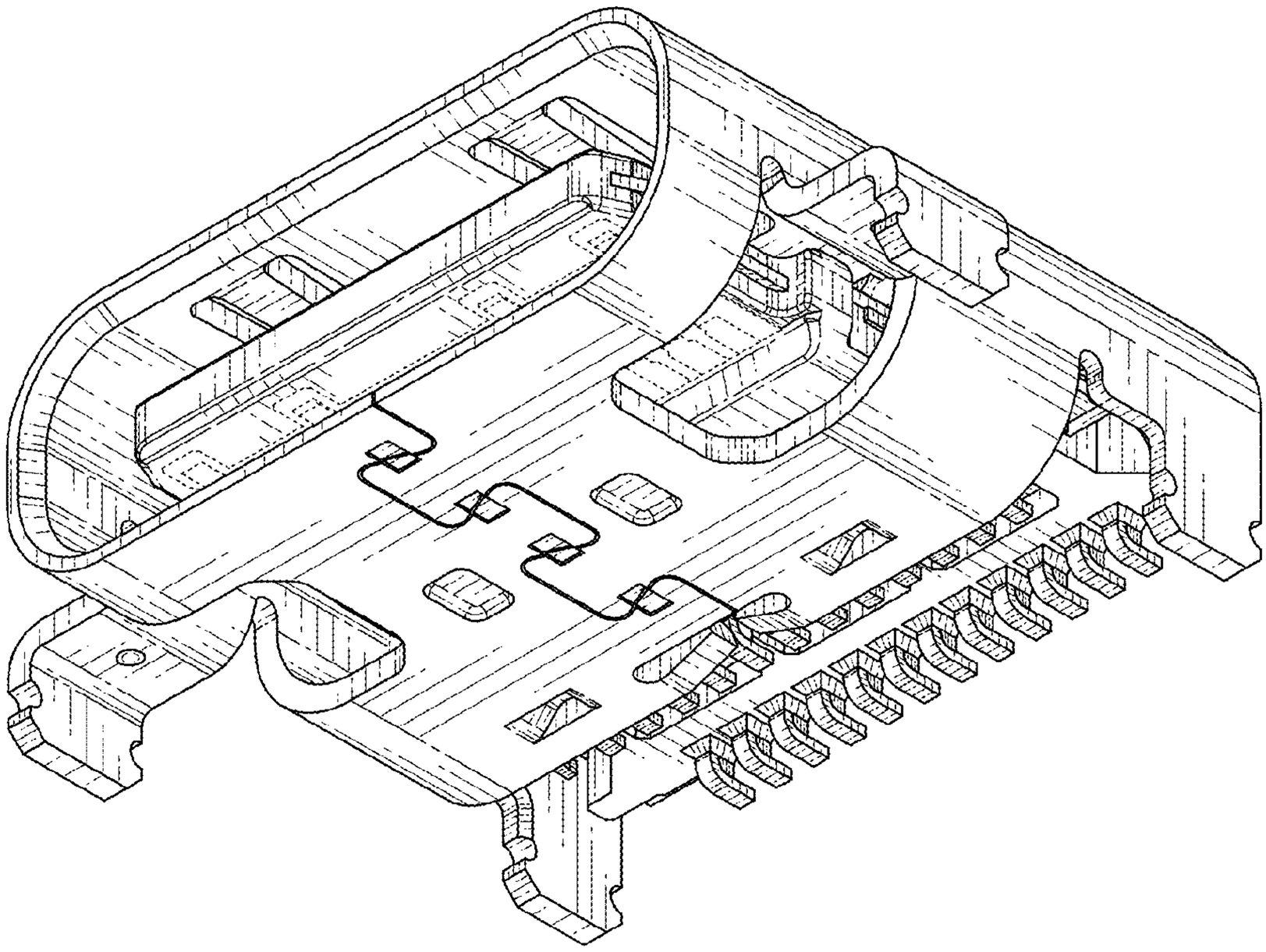


FIG. 9

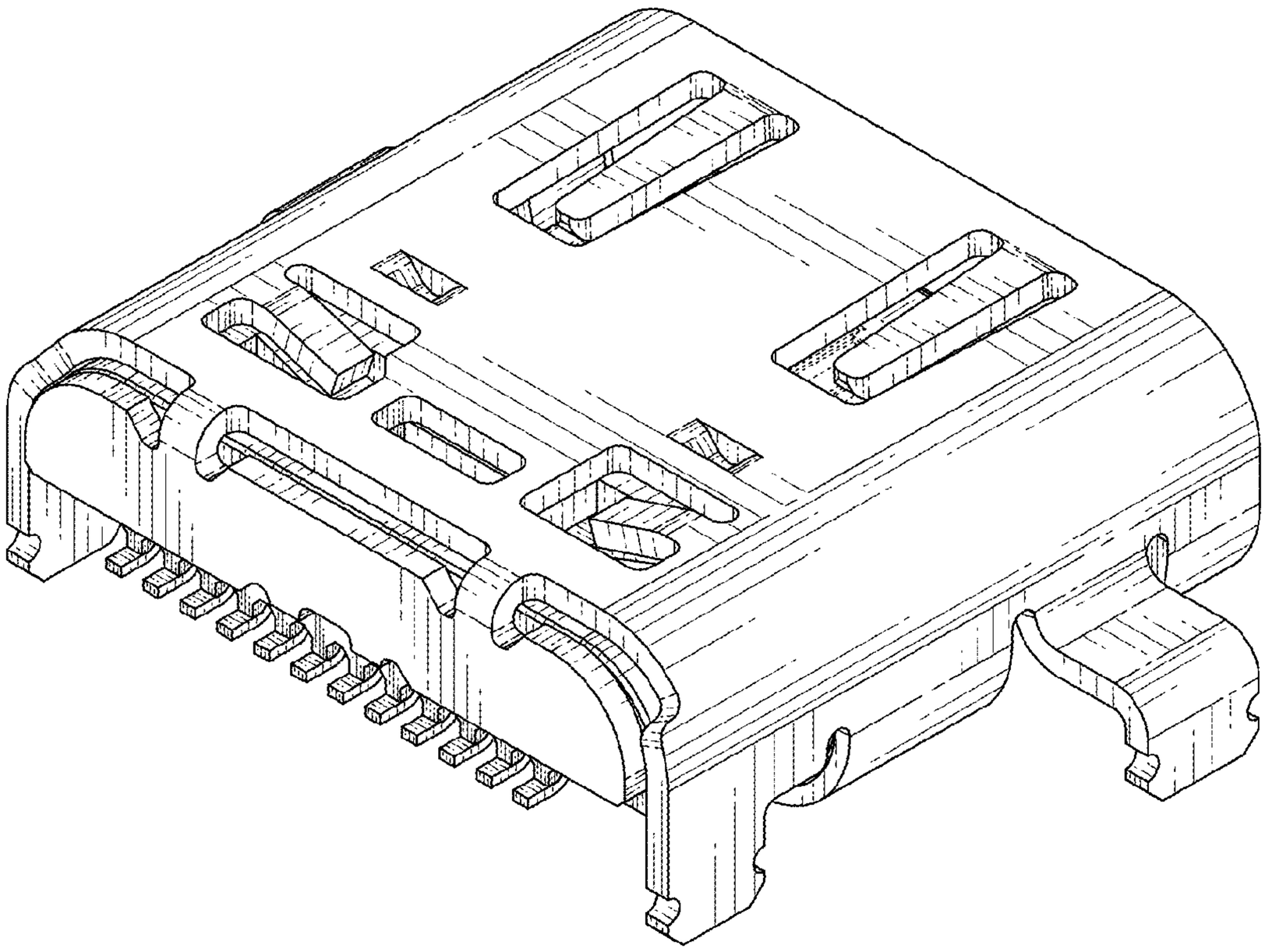


FIG. 10