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(12) United States Design Patent

Obata

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(54) **CONNECTOR**

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

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

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(30) **Foreign Application Priority Data**

Nov. 5, 2019 (JP) 2019-024563

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

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

(58) **Field of Classification Search**
USPC D13/120, 123, 133, 146–147, 154, 184, D13/199
CPC H01R 4/028; H01R 12/716; H01R 12/707; H01R 12/57; H01R 13/04; H01R 13/502; H01R 13/629; H01R 12/7005; H01R 13/64; H01R 13/65; H01R 24/60
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

9,209,573	B1 *	12/2015	Chen	H01R 24/60
9,306,336	B2 *	4/2016	Chang	H01R 13/6471
D767,494	S *	9/2016	Tada	D13/147
D783,539	S *	4/2017	Yokoyama	D13/147
9,843,142	B2 *	12/2017	Hack	H01R 24/60
D823,257	S *	7/2018	Sato	D13/147

(Continued)

FOREIGN PATENT DOCUMENTS

JP	D1682868	*	4/2021
JP	D1689771	*	7/2021
JP	D1689797	*	7/2021

OTHER PUBLICATIONS

Japan Aviation Electronics Industry, Ltd. , dated Feb. 2021, [online], [site visited Aug. 31, 2021]. Available from internet, URL: https://www.jae.com/en/connectors/series/detail/id=92952&type_code=T1090 (Year: 2021).*

(Continued)

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Assistant Examiner — Bryan Nolan Melvin
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(57) **CLAIM**

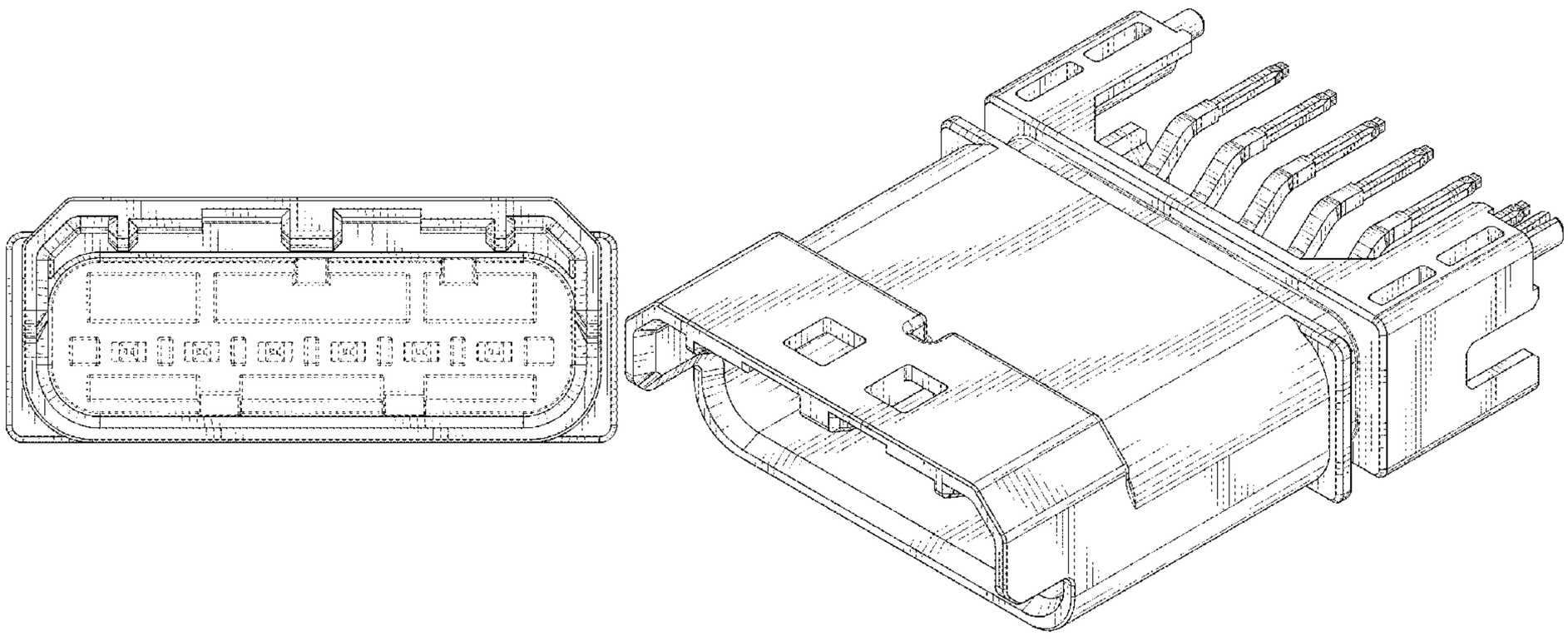
The ornamental design for a connector, as shown and described.

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, 6 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D825,473	S *	8/2018	Kurosawa	D13/147
10,148,040	B2 *	12/2018	Chien	H01R 13/6586
D867,301	S *	11/2019	Saitou	D13/147
D928,717	S *	8/2021	Tada	D13/147
2015/0244111	A1 *	8/2015	Ju	H01R 24/60 439/607.05
2016/0352050	A1 *	12/2016	Hu	H01R 13/648
2020/0313331	A1 *	10/2020	Oosaka	H01R 13/6583

OTHER PUBLICATIONS

Japan Aviation Electronics Industry, Ltd. , dated Mar. 2017, [online], [site visited Aug. 31, 2021]. Available from internet, URL: https://www.jae.com/en/connectors/series/detail/id=64174 (Year: 2017).*

* cited by examiner

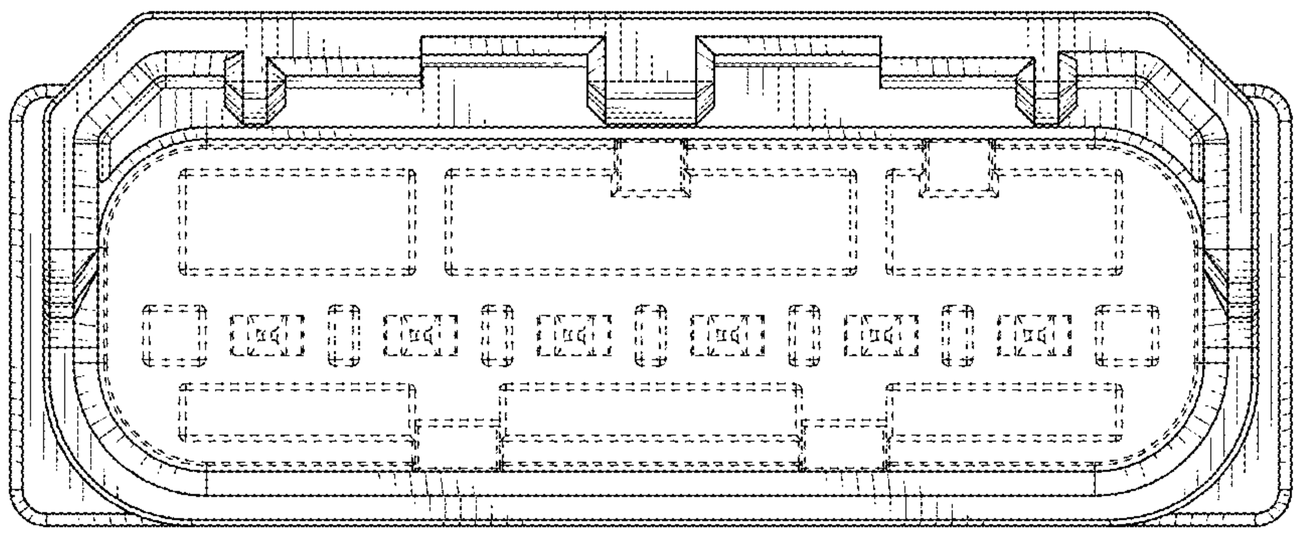


FIG. 1

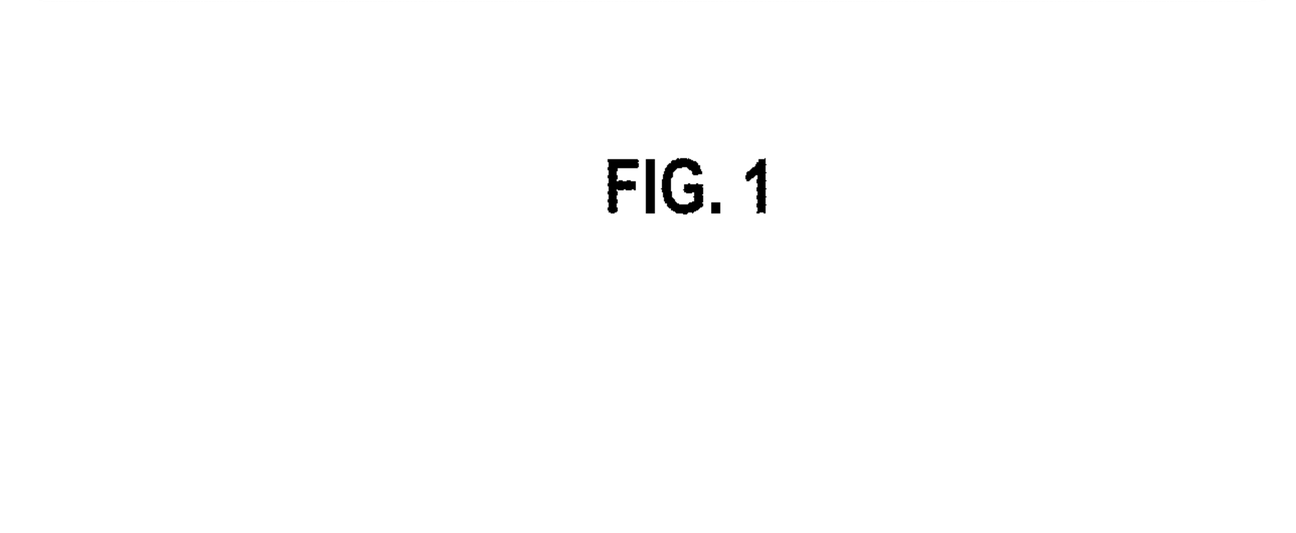


FIG. 2

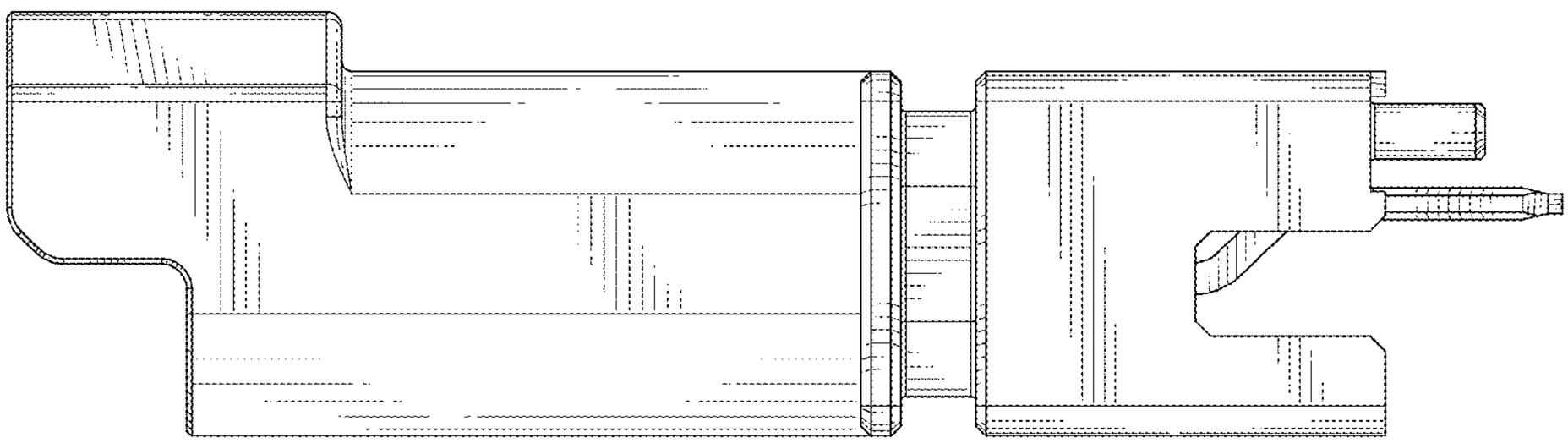


FIG. 3

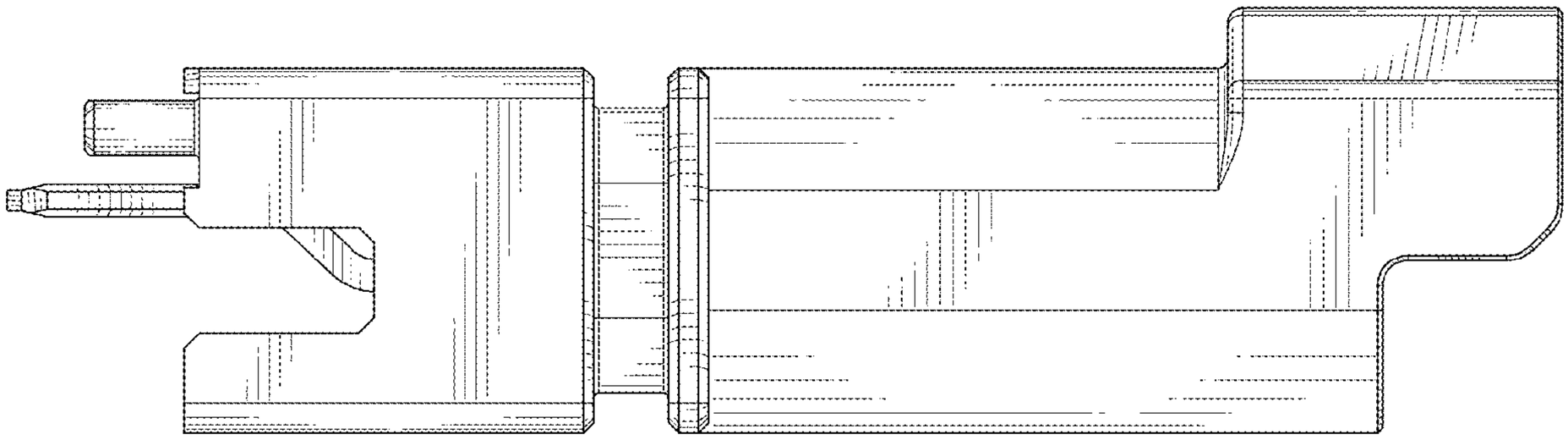


FIG. 4

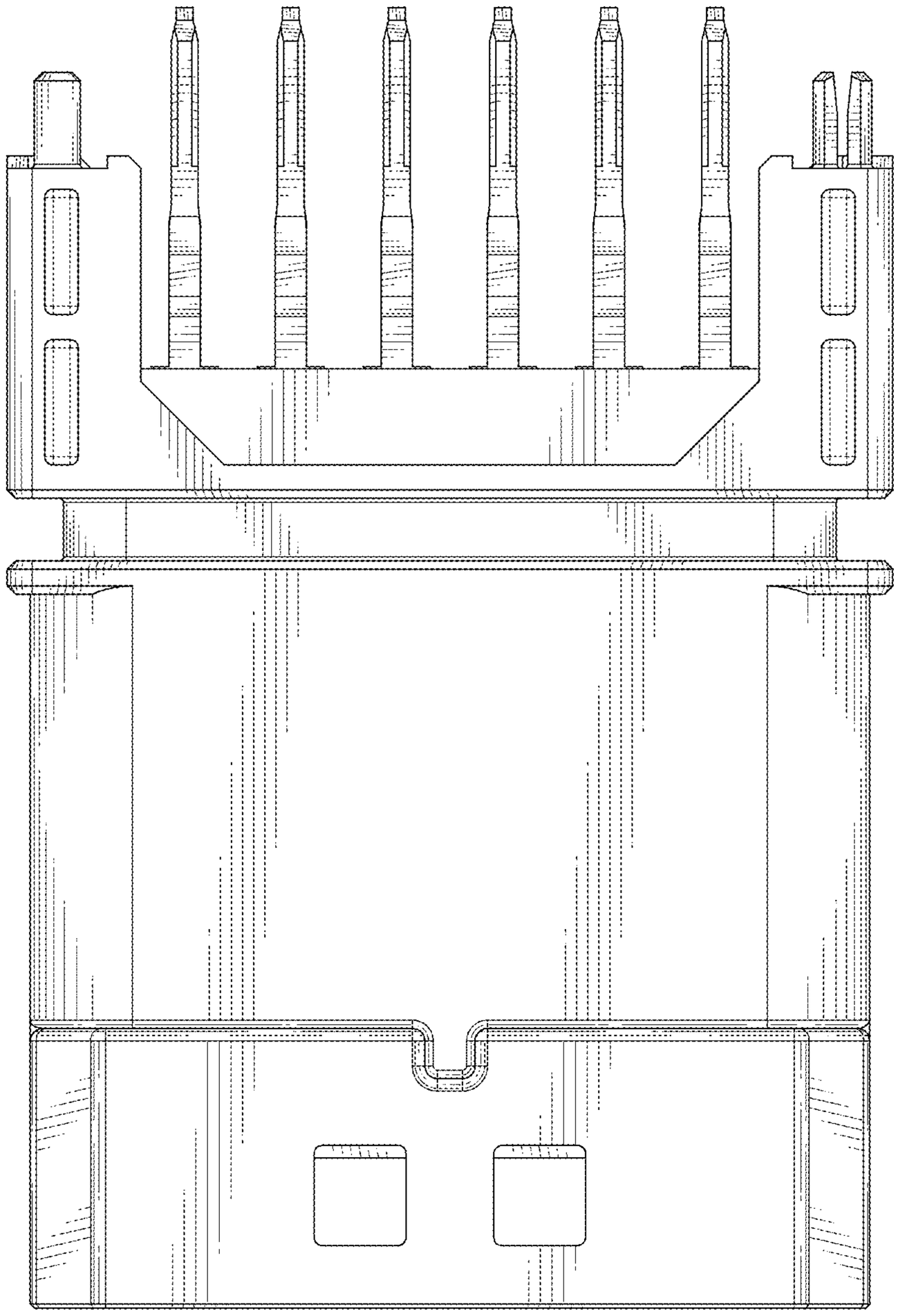


FIG. 5

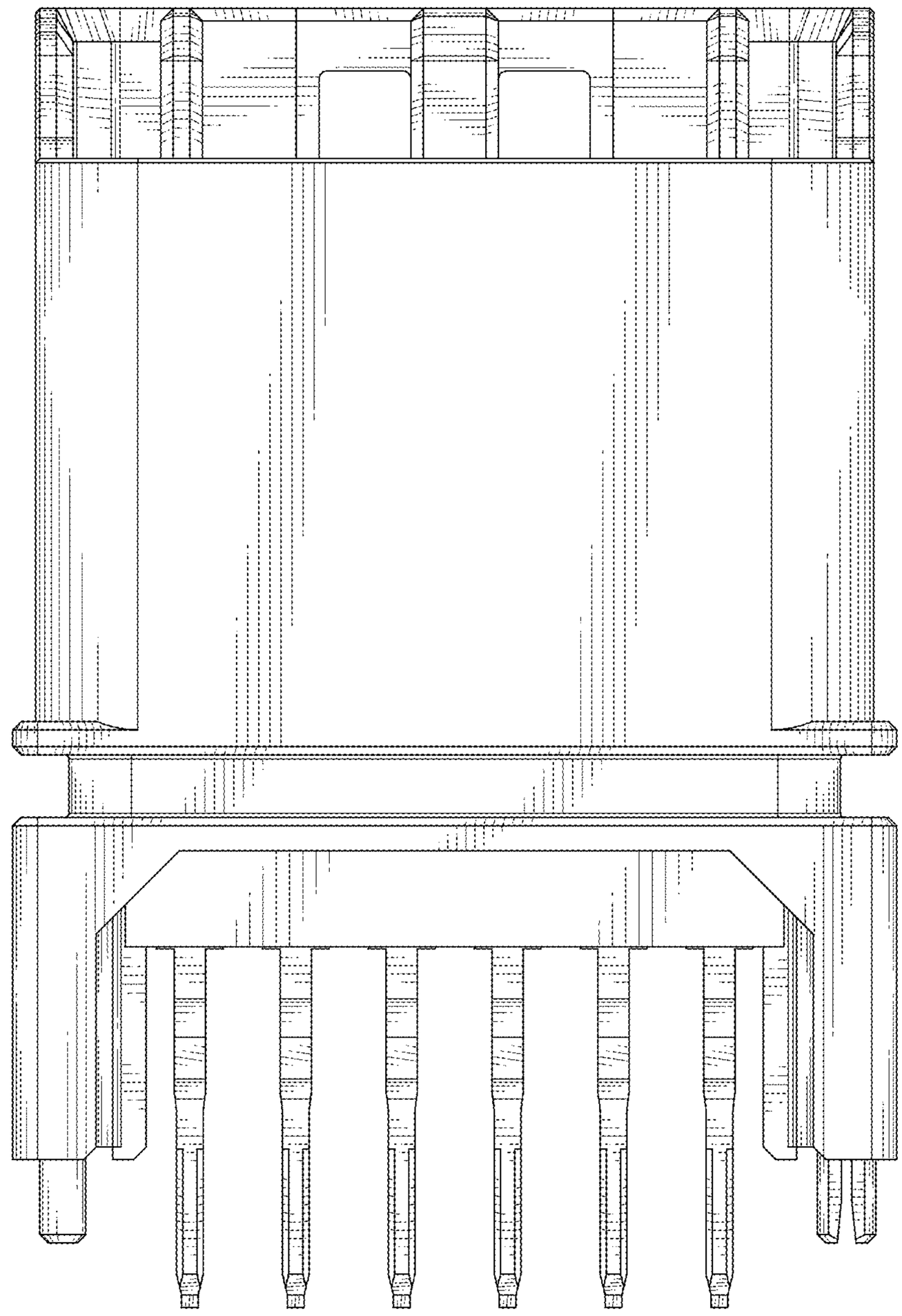


FIG. 6

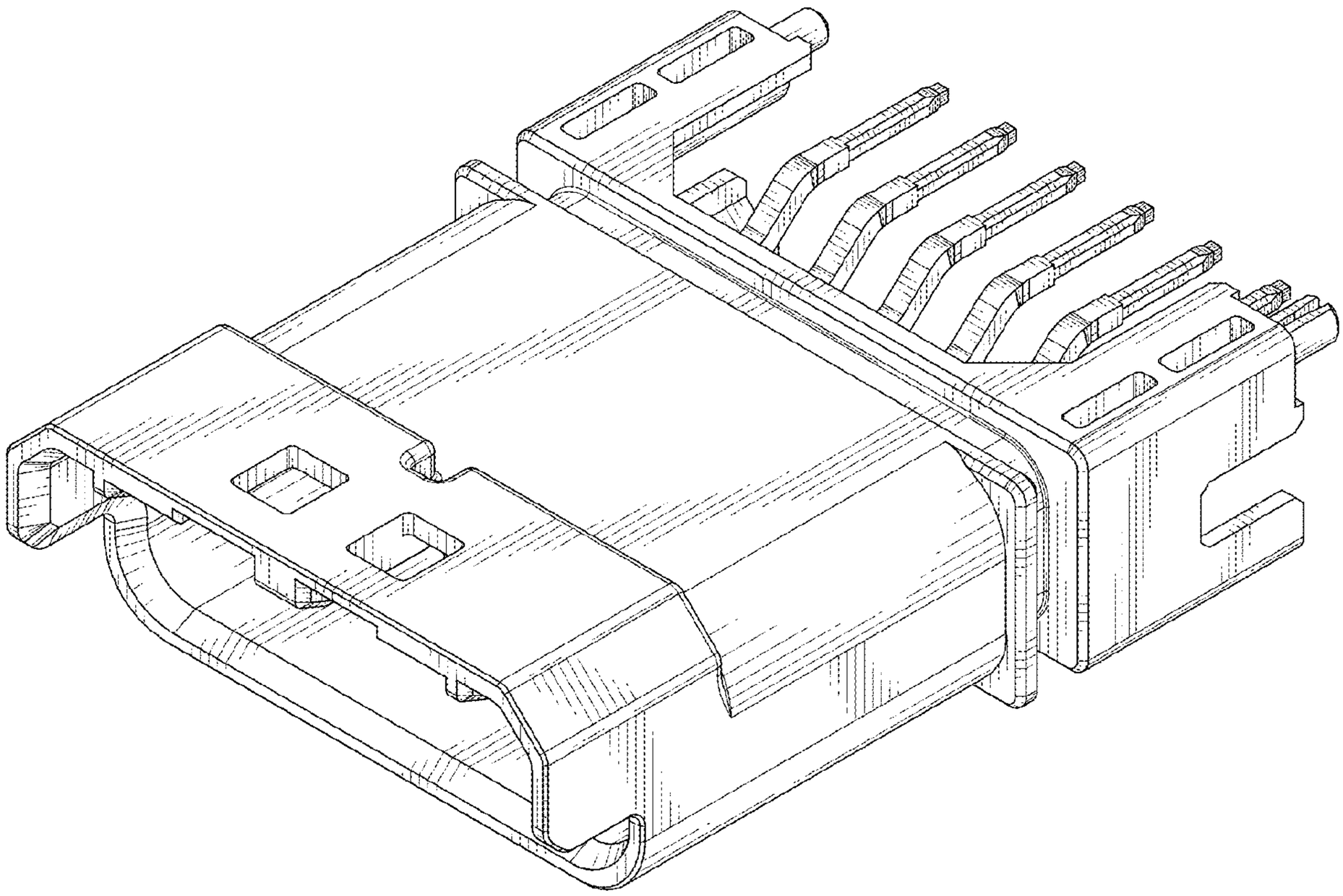


FIG. 7

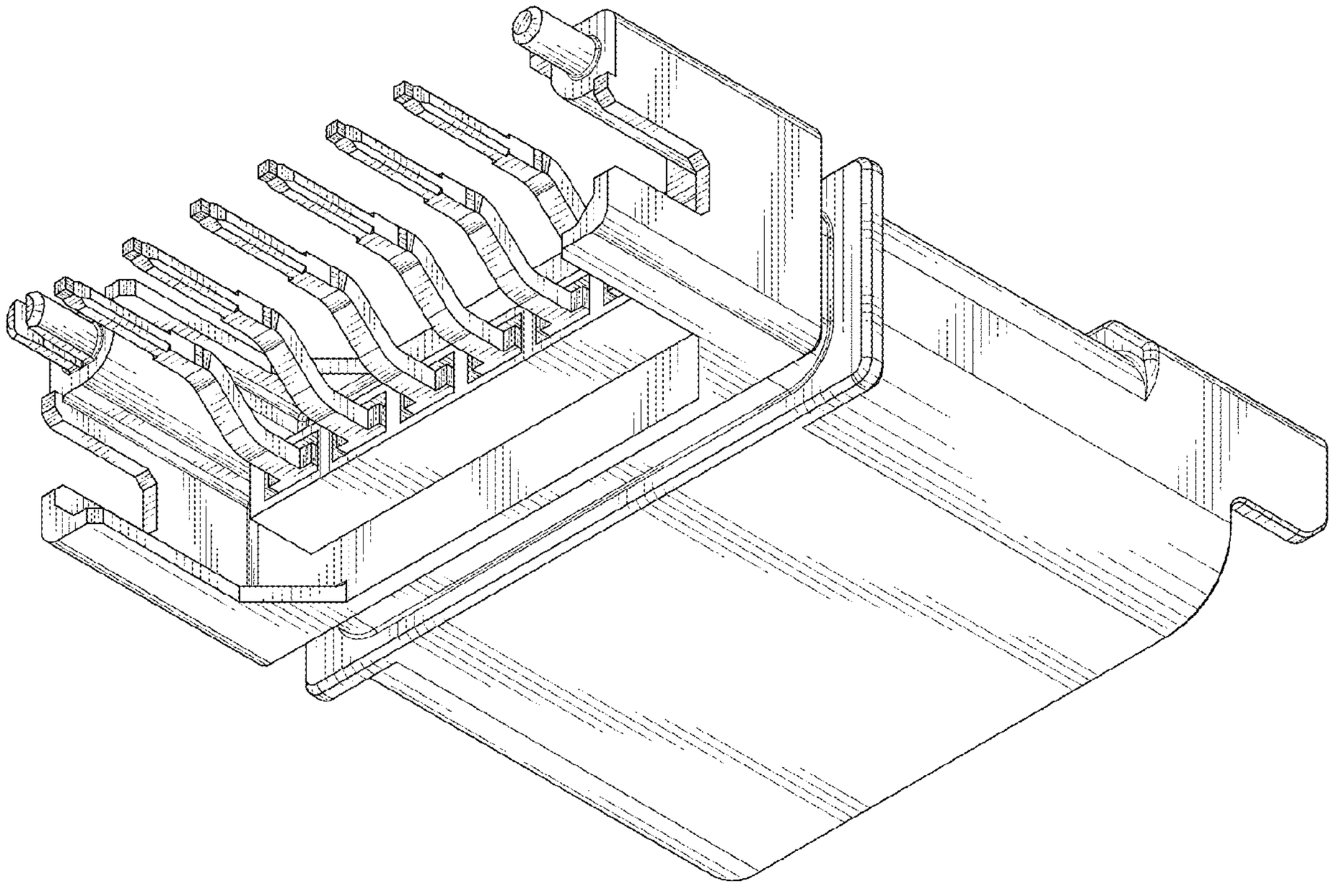


FIG. 8

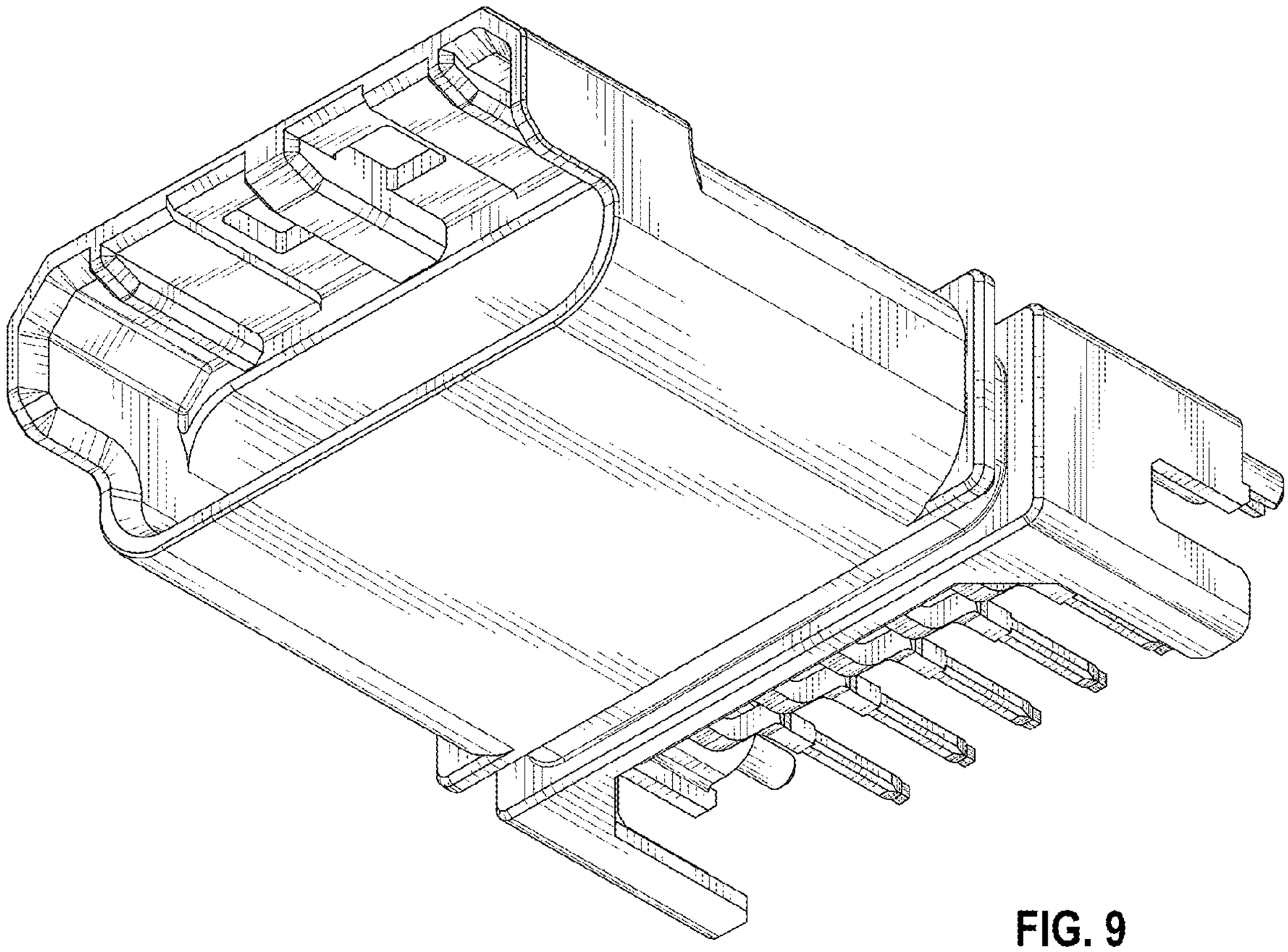


FIG. 9

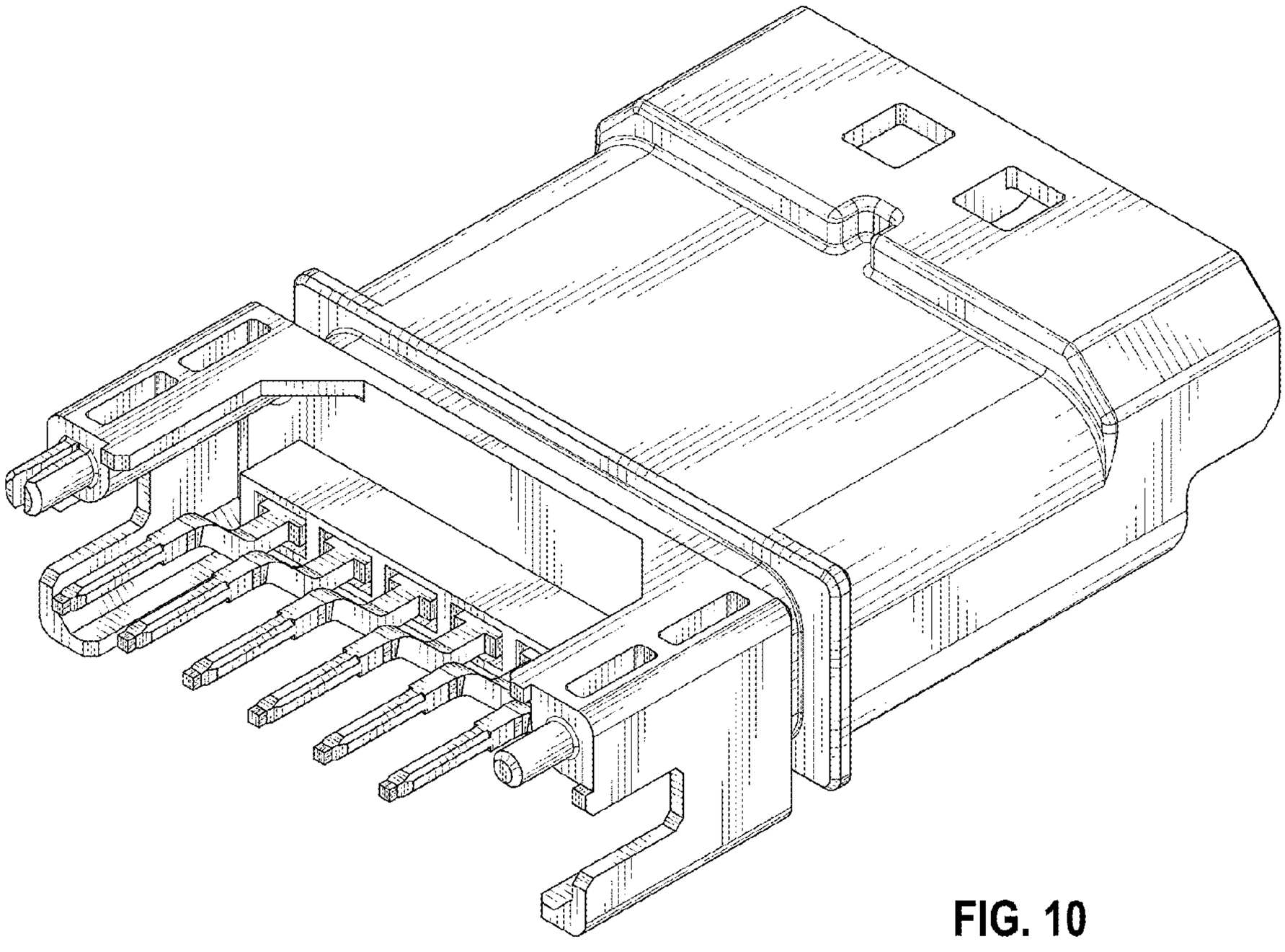


FIG. 10