



US00D824338S

(12) **United States Design Patent**
Obata et al.(10) **Patent No.:** **US D824,338 S**
(45) **Date of Patent:** ** Jul. 31, 2018(54) **ELECTRICAL CONNECTOR**(71) Applicant: **Japan Aviation Electronics Industry, Limited**, Tokyo (JP)(72) Inventors: **Yusuke Obata**, Tokyo (JP); **Yuichiro Nakamura**, Tokyo (JP); **Masakazu Kuroiwa**, Tokyo (JP)(73) Assignee: **JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED**, Tokyo (JP)(**) Term: **15 Years**(21) Appl. No.: **29/612,080**(22) Filed: **Jul. 28, 2017**(30) **Foreign Application Priority Data**Feb. 13, 2017 (JP) 2017-002612
(51) LOC (11) Cl. **13-03**

(52) U.S. Cl.

USPC **D13/147**(58) **Field of Classification Search**USPC D13/123, 133, 146, 147, 154, 184, 199
CPC H01R 12/51; H01R 12/52; H01R 12/57;
H01R 12/592; H01R 12/61; H01R 12/63;
H01R 12/7005; H01R 12/716; H01R
12/72; H01R 12/732; H01R 12/777;
H01R 12/79; H01R 12/87; H01R 12/89;
H01R 13/213; H01R 13/2464; H01R
13/2492; H01R 13/26; H01R 13/28;
H01R 13/428; H01R 13/434; H01R
13/4362; H01R 13/4534; H01R 13/506;
H01R 13/508; H01R 13/5804; H01R
13/5816; H01R 13/585; H01R 13/6271;
H01R 13/635

See application file for complete search history.

(56)

References Cited**U.S. PATENT DOCUMENTS**

D602,870	S	*	10/2009	Wu	D13/147
D705,172	S	*	5/2014	Nomura	D13/147
D706,221	S	*	6/2014	Grant	D13/147
D709,036	S	*	7/2014	McCartin	D13/147
8,888,532	B2	*	11/2014	Hamaoka	H01R 13/6625 439/620.24
D778,240	S	*	2/2017	Sato	D13/147
D812,568	S	*	3/2018	Kirk	D13/147
2016/0276761	A1	*	9/2016	Endo	H01R 12/716

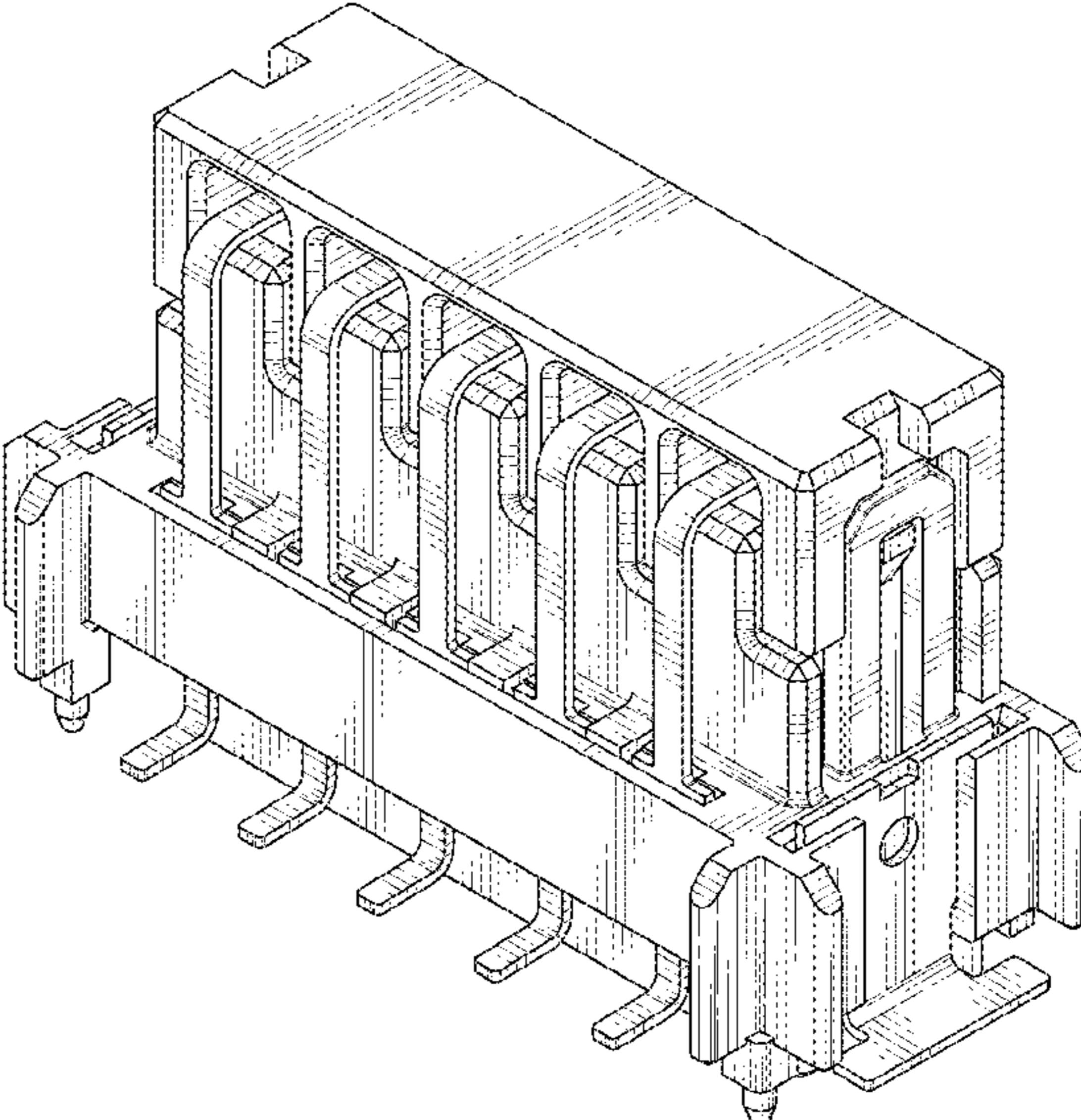
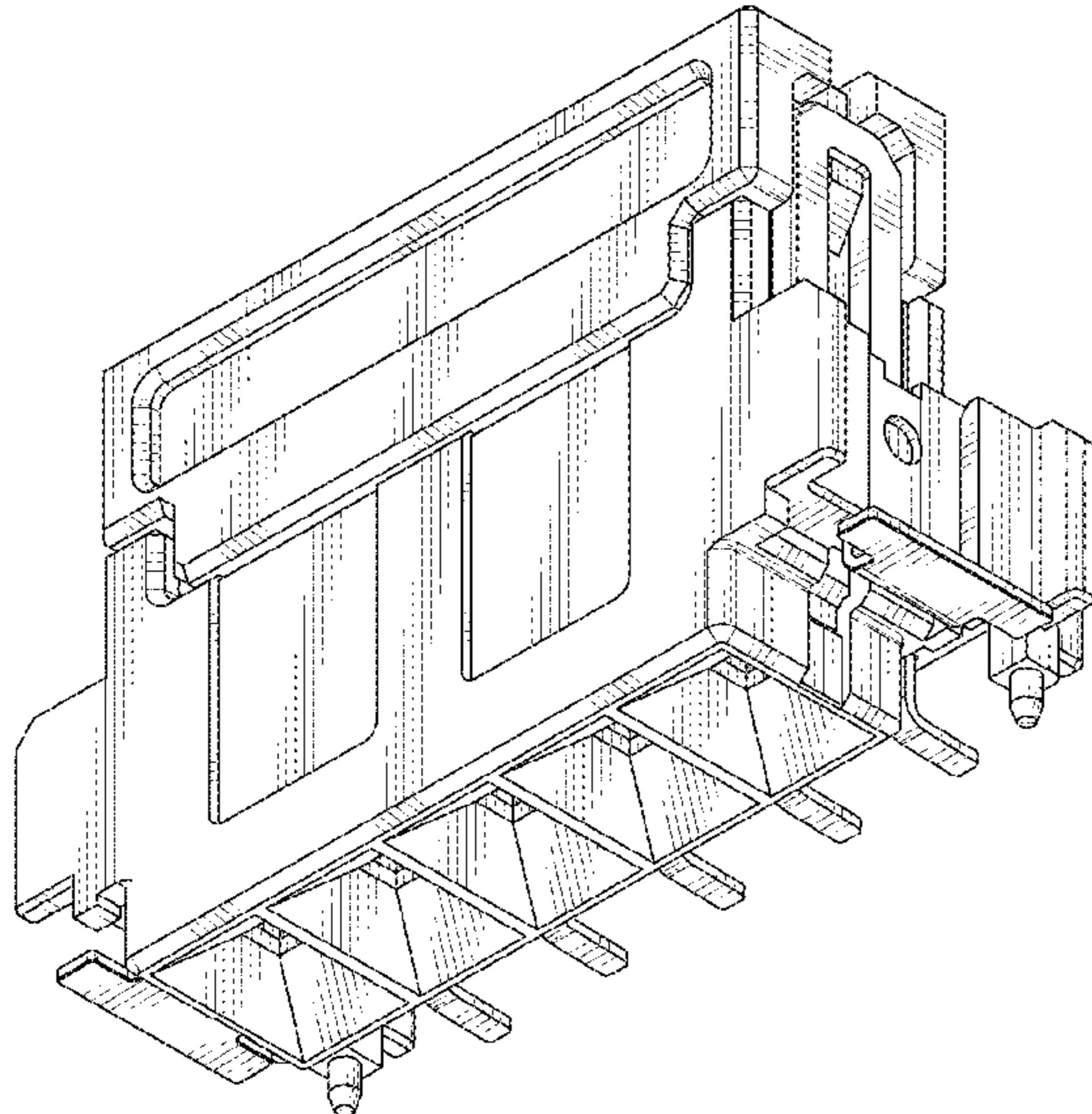
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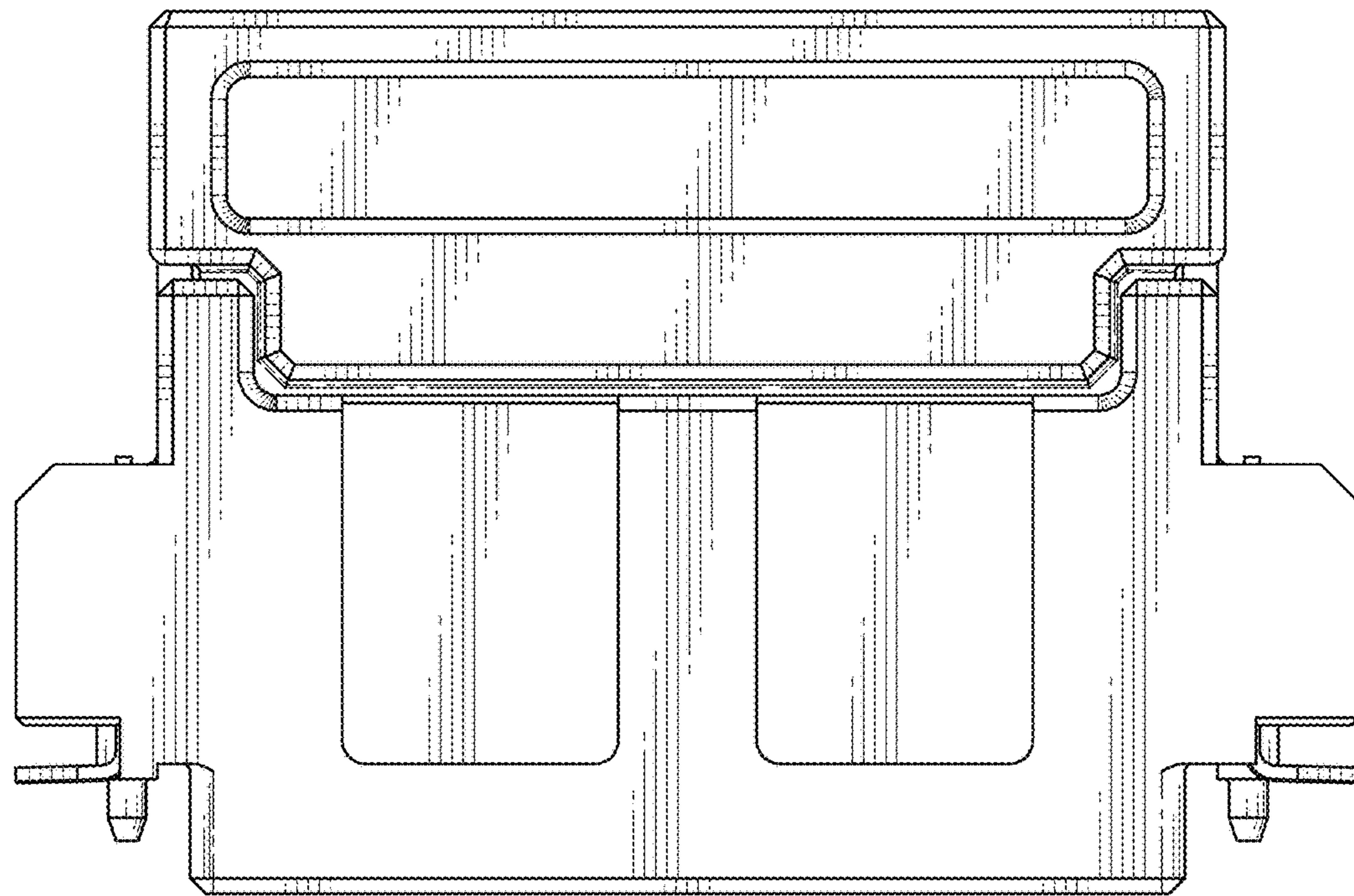
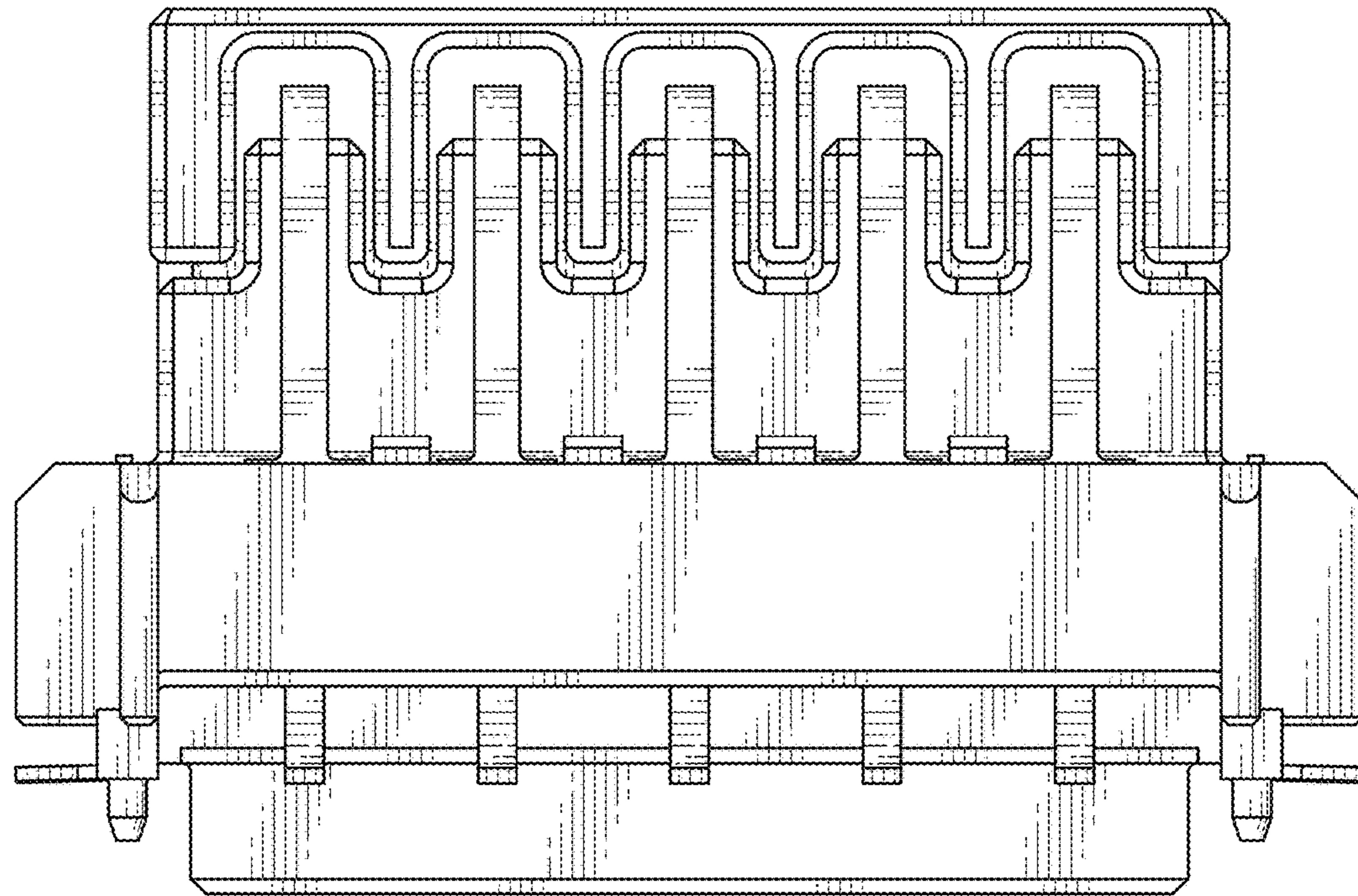
Primary Examiner — Daniel Bui*(74) Attorney, Agent, or Firm* — Manabu Kanesaka(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front elevational view of an electrical connector showing our 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 side and bottom thereof; and,
FIG. 10 is a perspective view showing a rear, left side and top thereof.

1 Claim, 7 Drawing Sheets

**FIG. 1****FIG. 2**

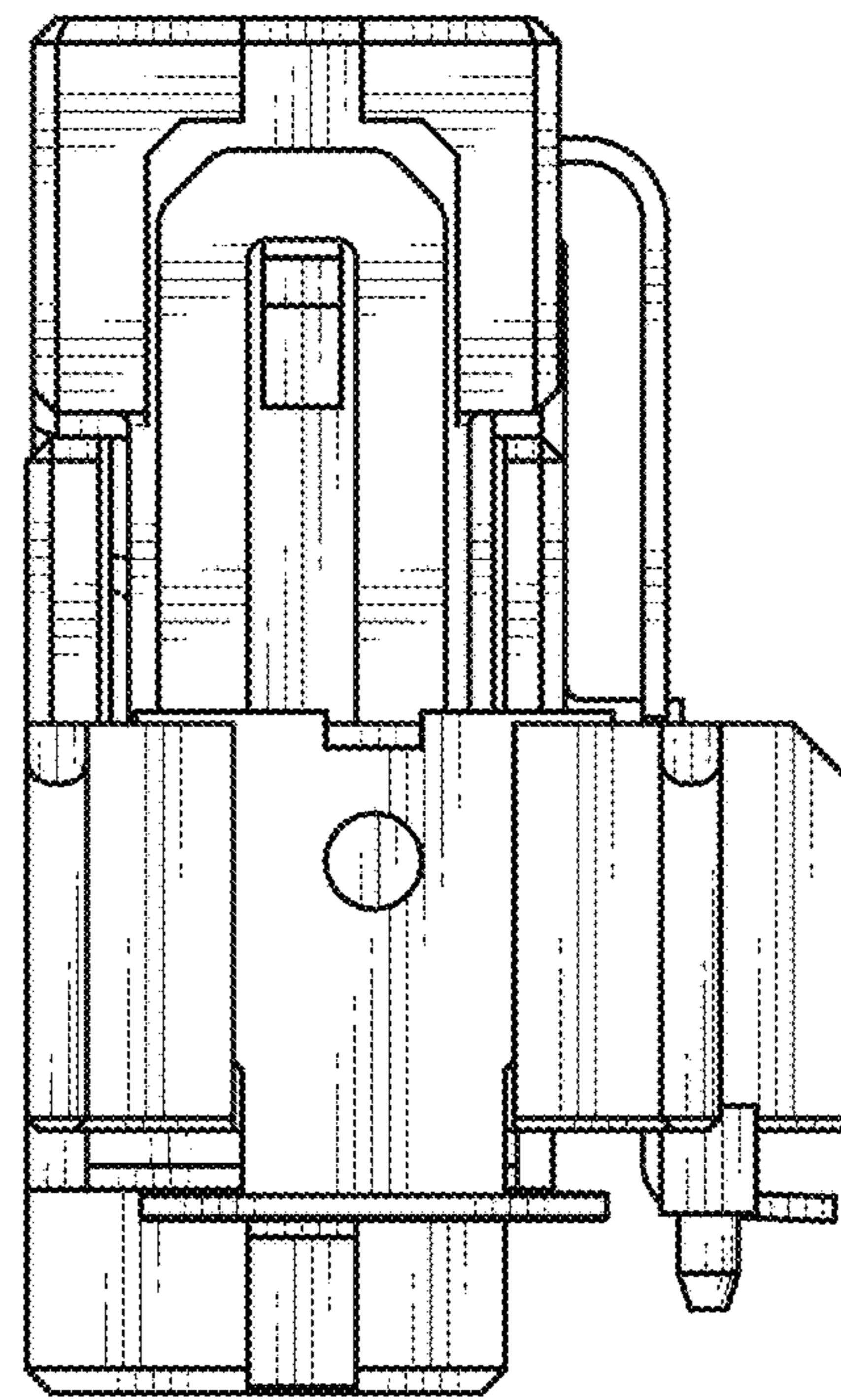


FIG. 3

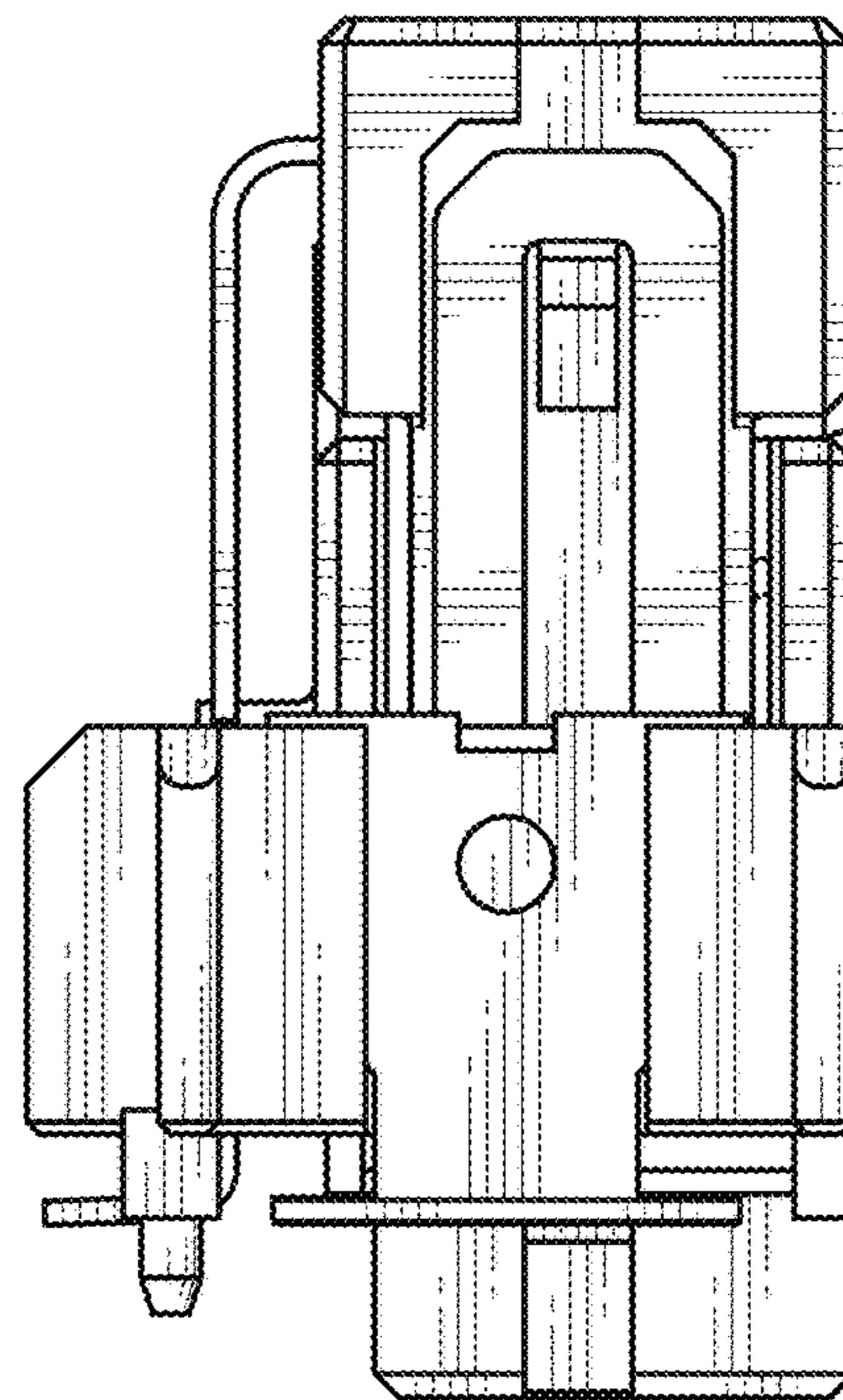
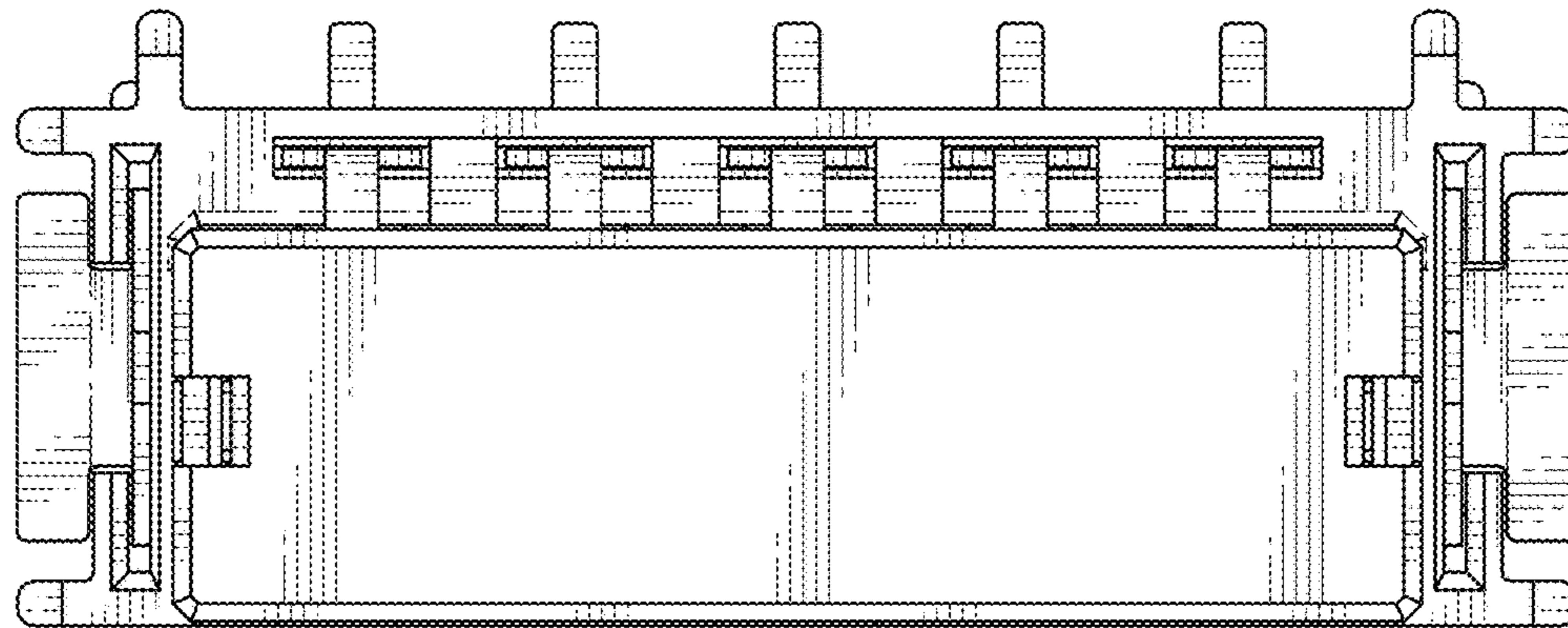
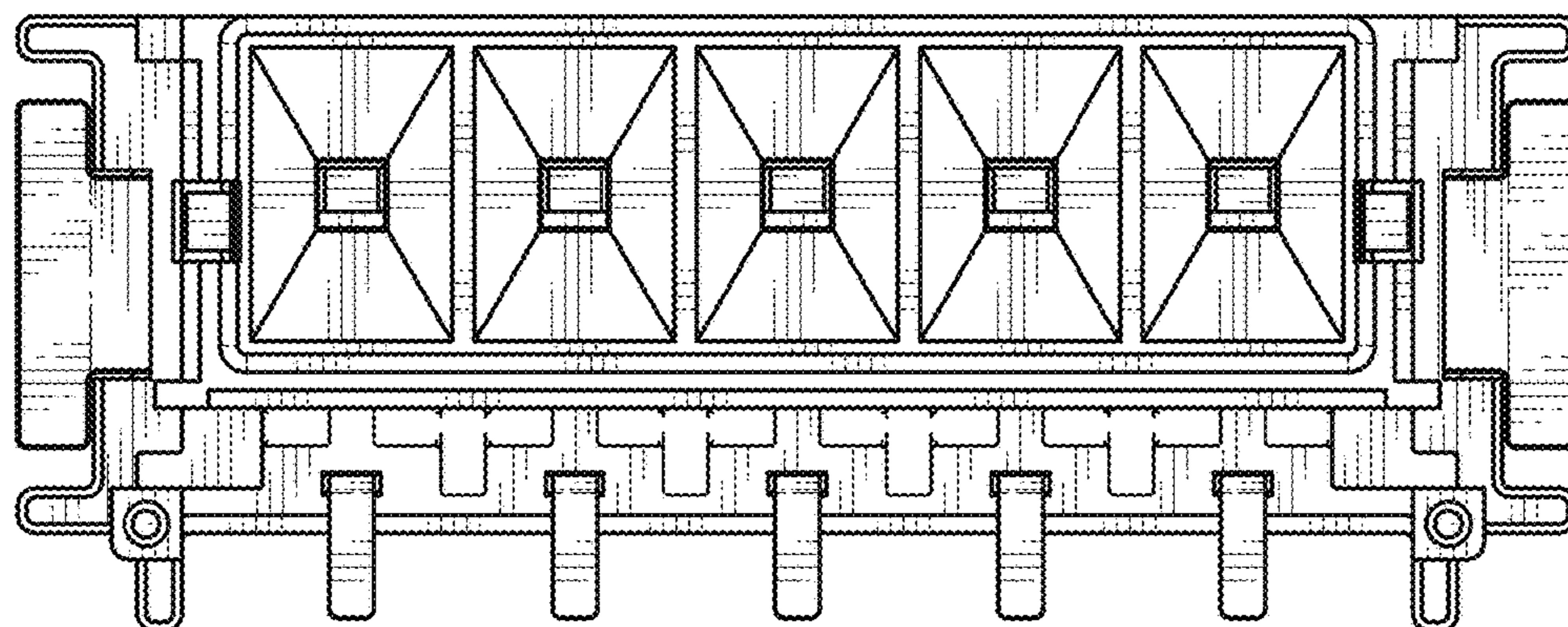


FIG. 4

**FIG. 5****FIG. 6**

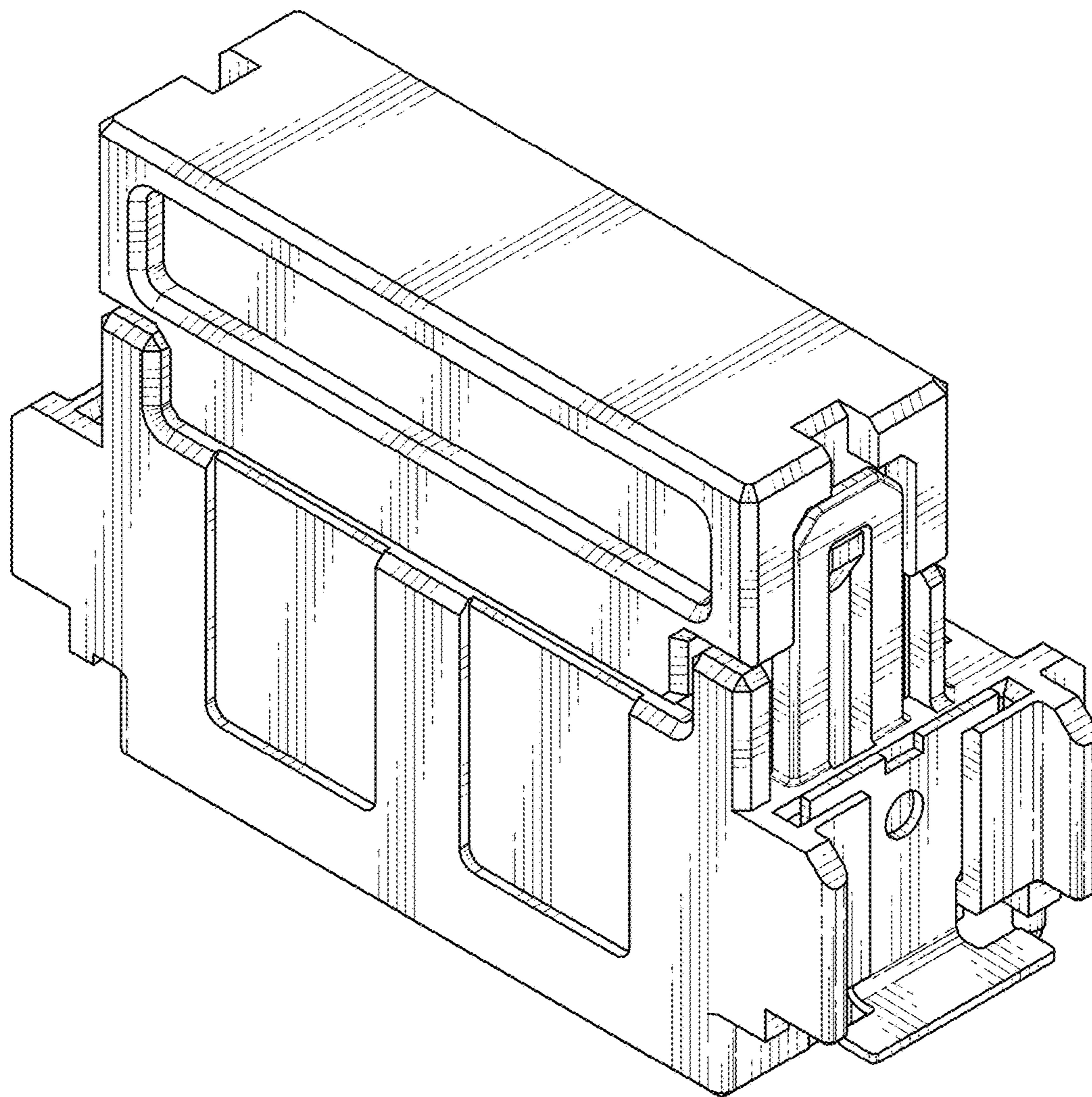


FIG. 7

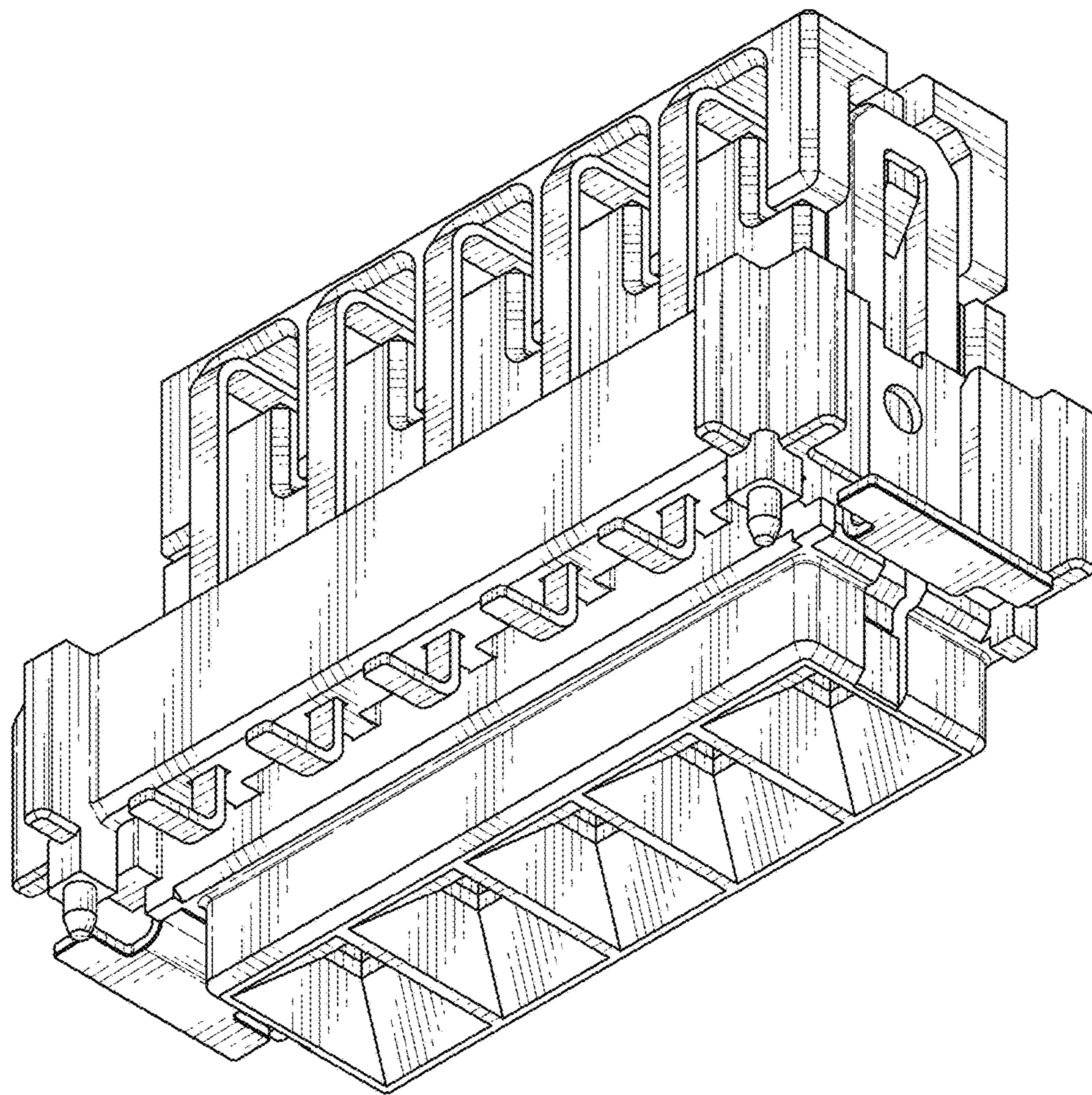


FIG. 8

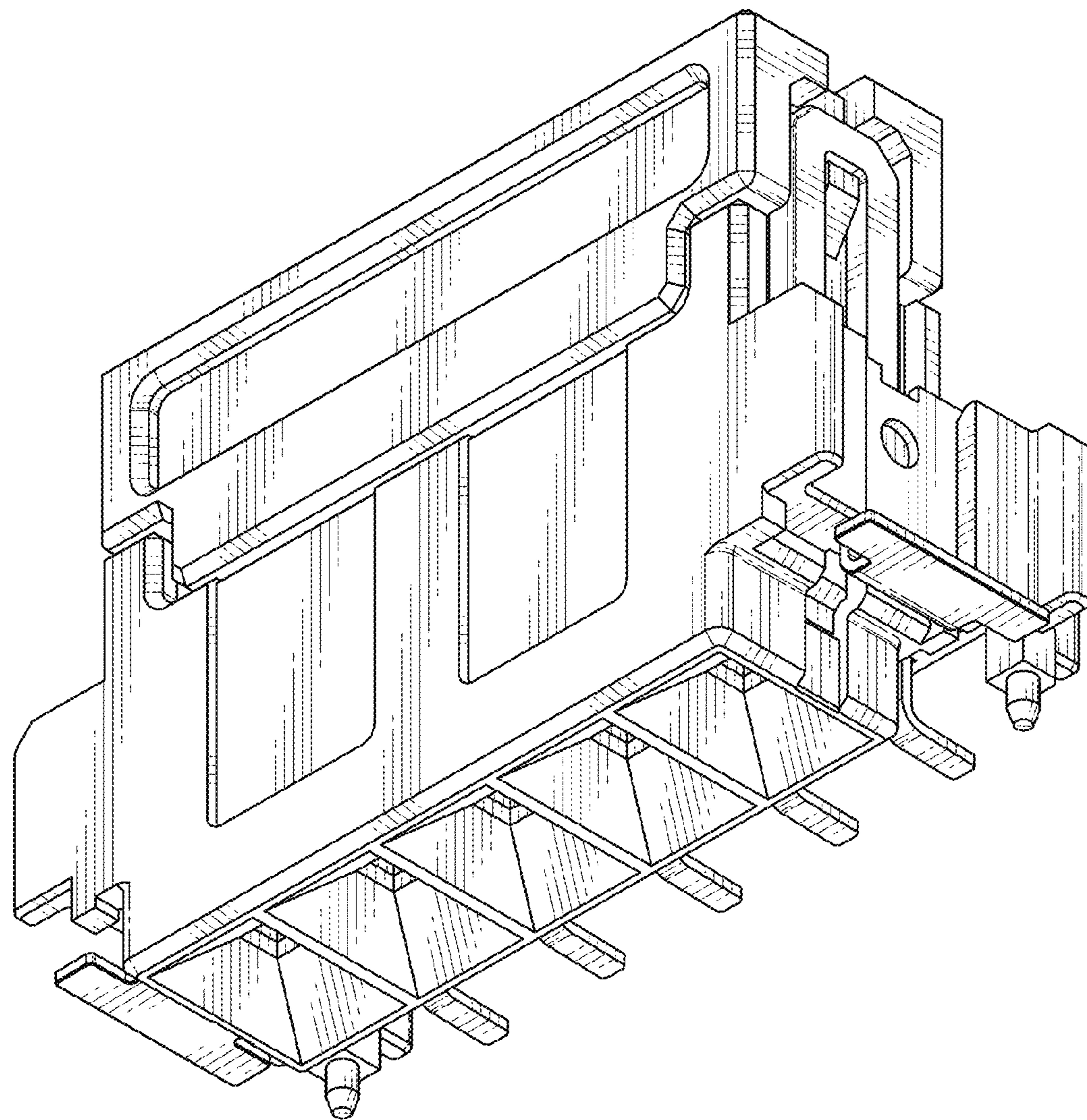


FIG. 9

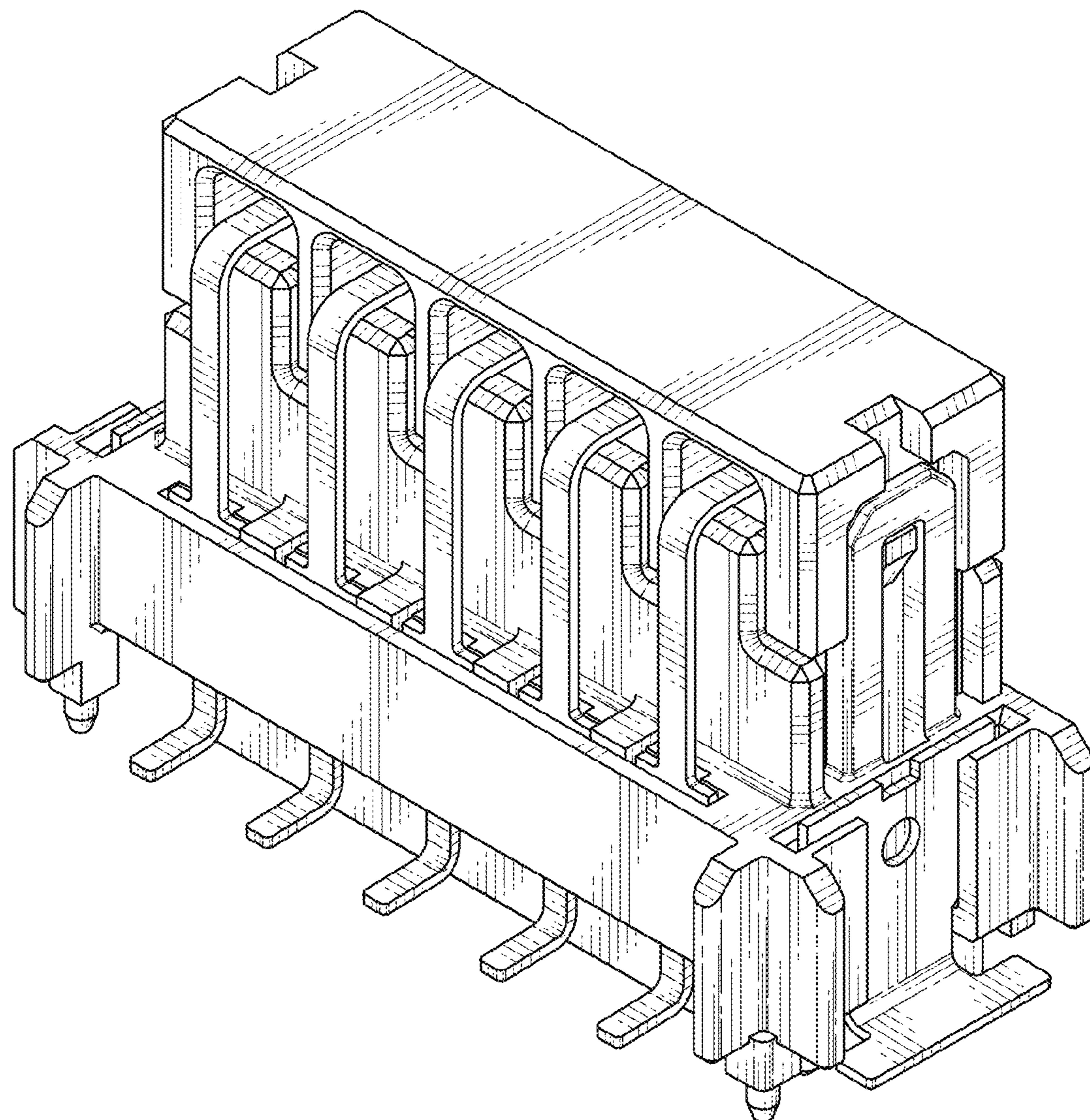


FIG. 10