



US00D623138S

(12) **United States Design Patent**
Ngo

(10) **Patent No.:** **US D623,138 S**
(45) **Date of Patent:** **** Sep. 7, 2010**

(54) **VERTICAL ELECTRICAL CONNECTOR**
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(73) Assignee: **FCI Americas Technology LLC**,
Carson City, NV (US)
(**) Term: **14 Years**
(21) Appl. No.: **29/345,798**
(22) Filed: **Oct. 22, 2009**

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(57) **CLAIM**

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

DESCRIPTION

Related U.S. Application Data
(63) Continuation of application No. 29/331,013, filed on Jan. 16, 2009, now Pat. No. Des. 608,293.
(51) **LOC (9) Cl.** **13-03**
(52) **U.S. Cl.** **D13/147; D13/154**
(58) **Field of Classification Search** D13/147,
D13/154, 184; 439/78–79, 108, 564, 573,
439/607–610, 650, 677, 660, 668, 680, 686,
439/892, 894
See application file for complete search history.

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This application is related to U.S. Design patent application Ser. No. 29/331,017 filed on Jan. 16, 2009, now U.S. Pat. No. D610,548; U.S. patent application Ser. No. 29/330,990 filed on Jan. 16, 2009, now U.S. Pat. No. D606,496; and U.S. patent application Ser. No. 29/330,997 filed on Jan. 16, 2009, now U.S. Pat. No. D606,497, and is further related by subject matter to U.S. Design patent application Ser. Nos. 29/345,790 and 29/345,808 entitled “Vertical Electrical Connector” filed on even date herewith, and “Right-Angle Electrical Connector” filed on even date herewith.

FIG. 1 is a top, left, rear perspective view of a vertical electrical connector according to my design;

FIG. 2 is a top plan view thereof;

FIG. 3 is a bottom plan view thereof;

FIG. 4 is a rear elevation view thereof;

FIG. 5 is a front elevation view thereof;

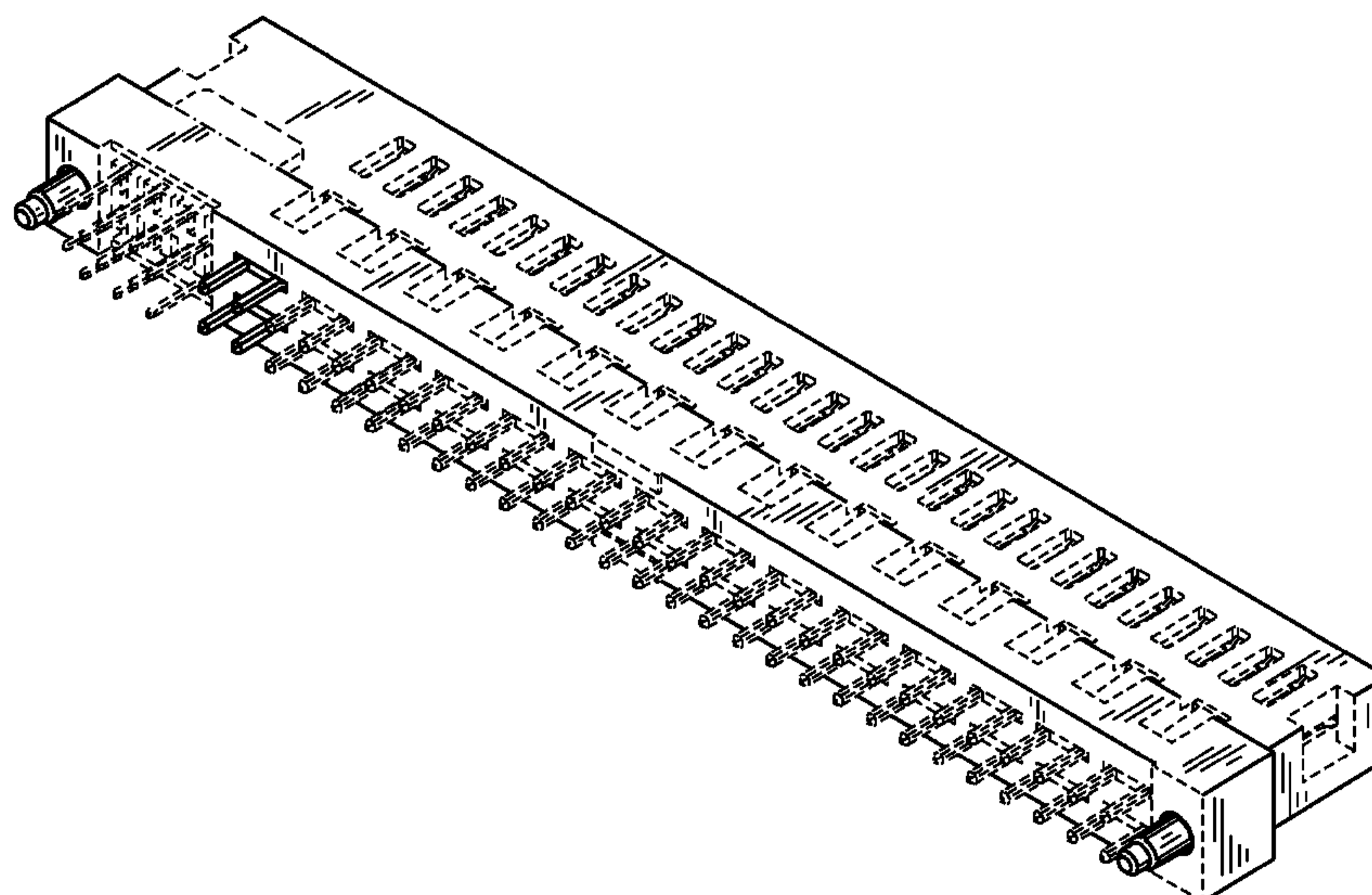
FIG. 6 is a left side elevation view thereof; and,

FIG. 7 is a right side elevation view thereof.

The broken line portion of the figure drawings is included to show unclaimed subject matter, and forms no part of the claimed design, the dash-dot line represent the boundary of the claimed design.

In a preferred embodiment, the nature of this product is a vertical electrical connector in the form of an electrical connector housing configured for retaining a plurality of electrical contacts.

1 Claim, 4 Drawing Sheets



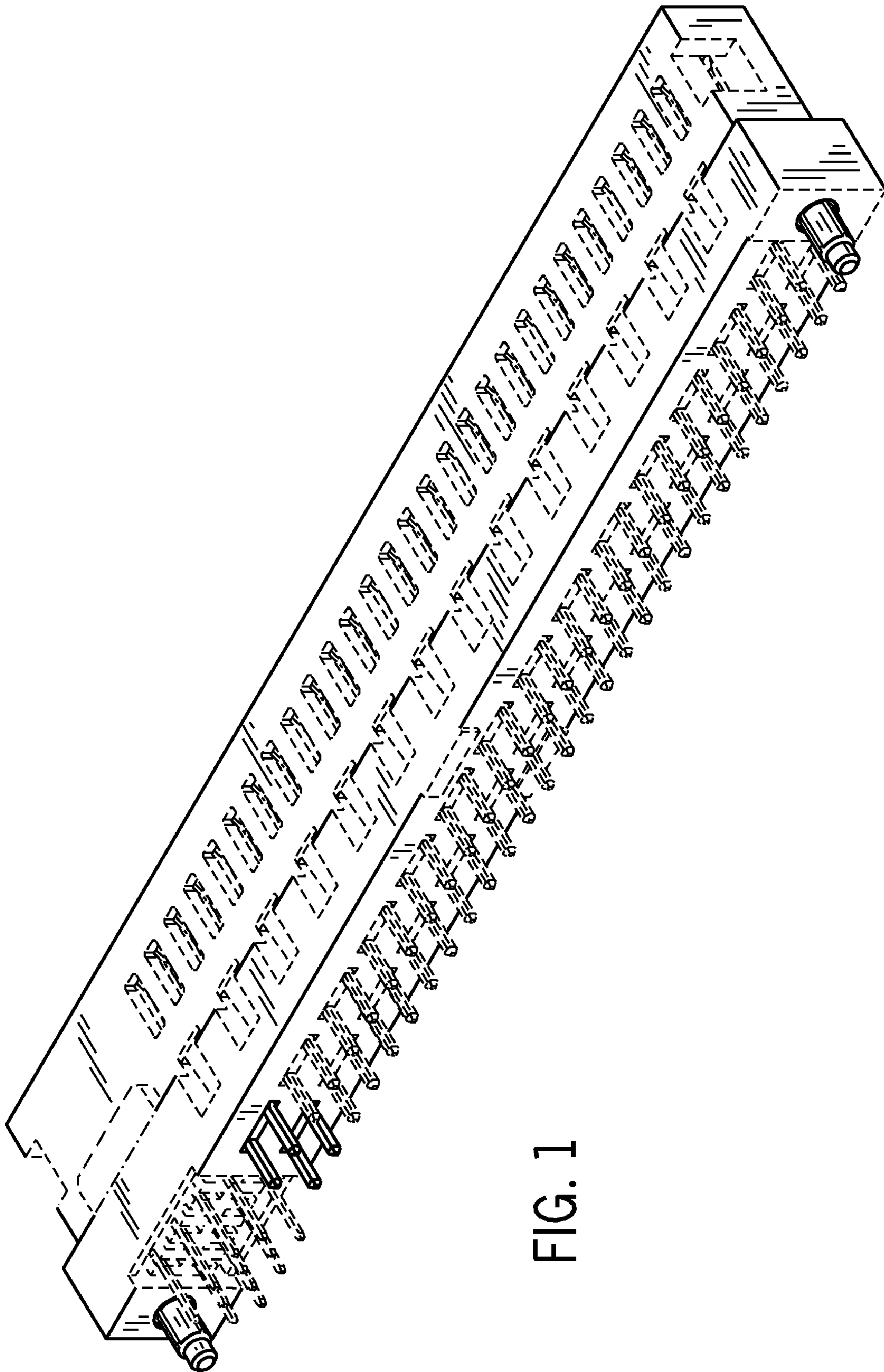
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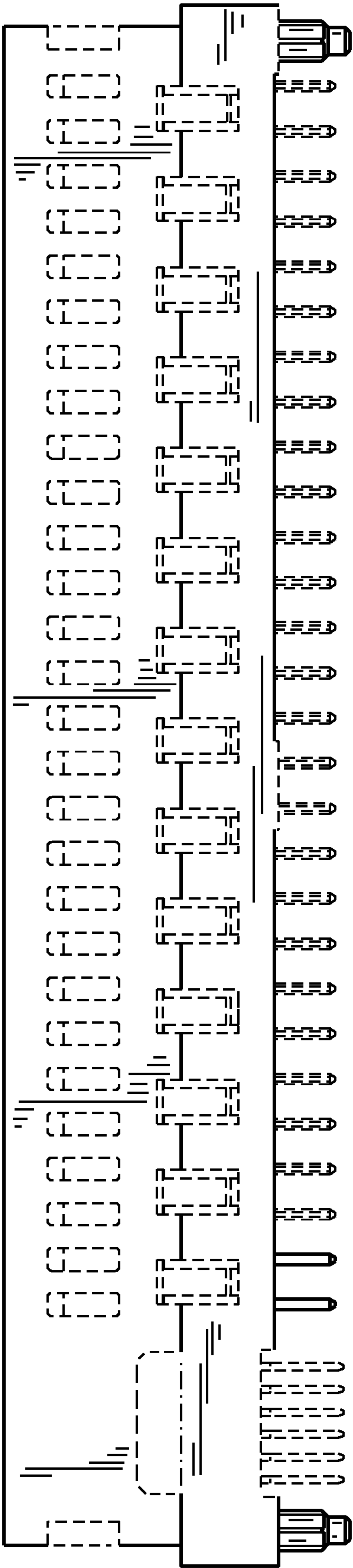


FIG. 2

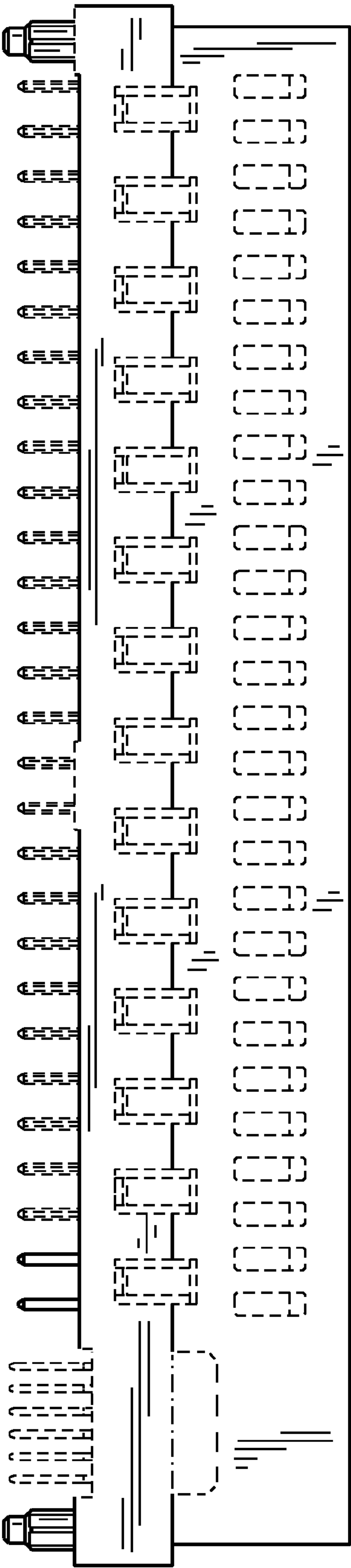


FIG. 3

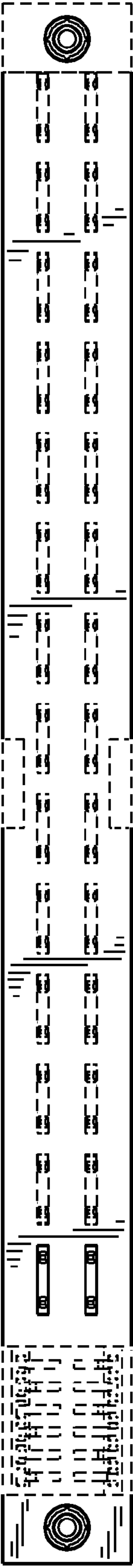


FIG. 4

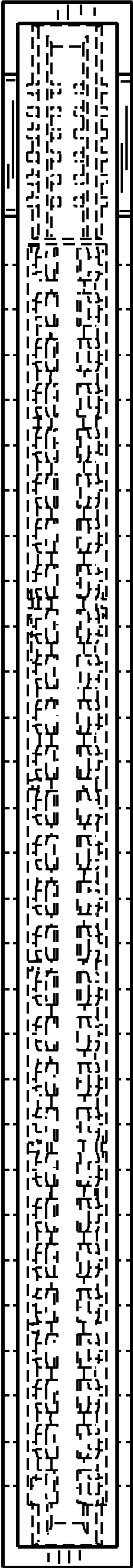


FIG. 5

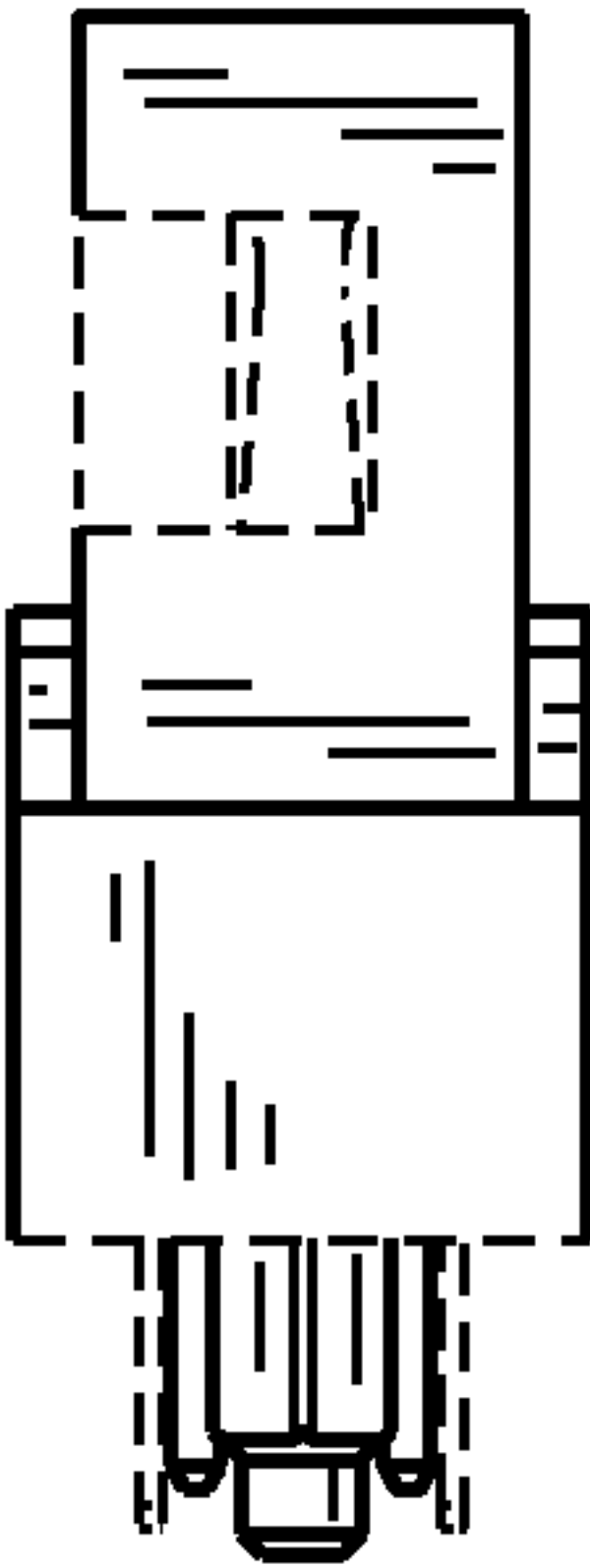


FIG. 6

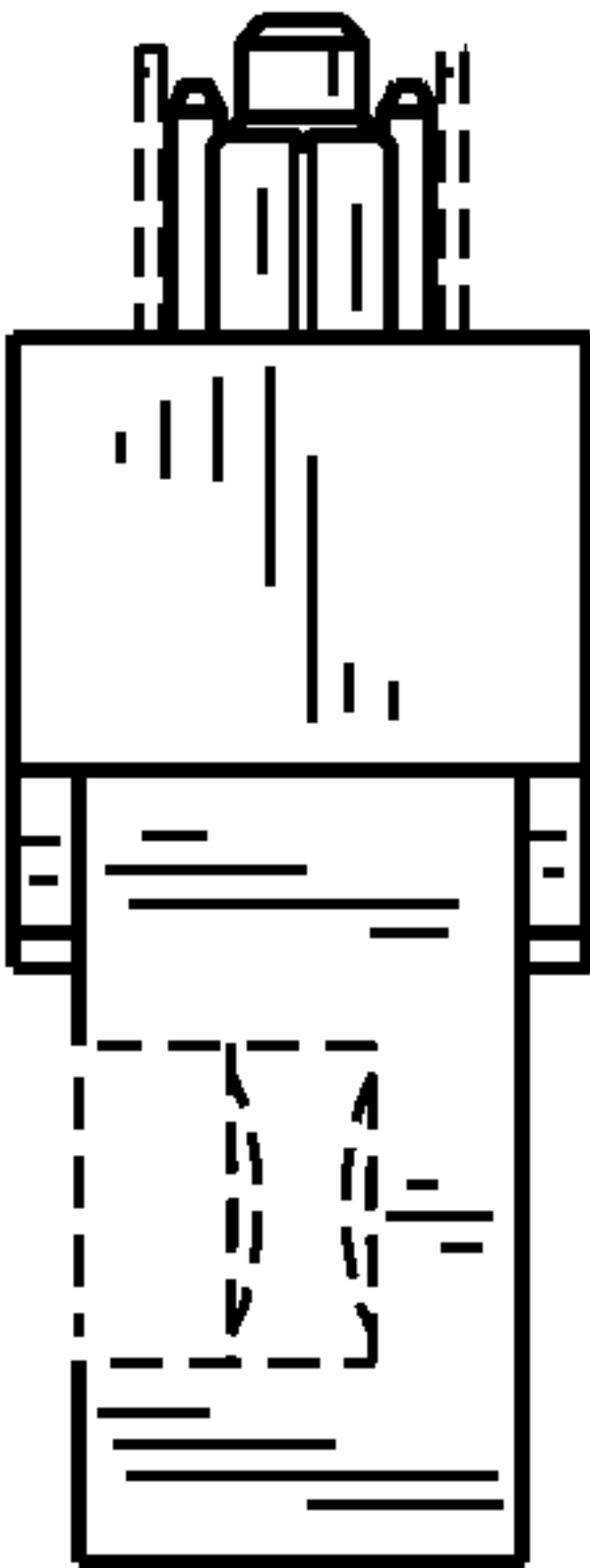


FIG. 7