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CONNECTOR HAVING TERMINALS WITH
IMPROVED SOLDER TAILS

ABSTRACT OF THE DISCLOSURE

Provided is an electrical connector for
connecting a first electrical component to a circuit
member having generally oppositely facing mating and
remote surfaces and conductive regions on at least one of
5 the mating and remote surfaces, at least one of the
conductive regions being a through hole. The connector
includes a dielectric housing having a receiving area for
receiving the first electrical component therein and a
10 plurality of terminal receiving cavities extending
generally perpendicularly to at least one of the
surfaces. The connector further includes a terminal in
one of the terminal receiving cavities. The terminal has
a body portion, a contact arm extending from the body
15 portion for electrically contacting the first electrical
component, a retention portion for retaining the terminal
in the cavity, and a board contact extending from the
body portion to the through hole. The board contact is a
through hole-type tail for extending through the through
20 hole. The tail includes a full segment and an abutting
narrowed segment, each segment having edges and a
centerline generally perpendicular to the mating surface,
the centerline of the narrowed segment being offset from
the centerline of the full segment. A transition between
25 the abutting segments is positioned between the mating
and remote surfaces of the circuit member when the
connector is mounted to the circuit member.

Fig. 4



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