Title (en)

PIN CONTACT ELEMENT FOR ATTACHMENT IN PRINTED-CIRCUIT HOLES

Publication

EP 0327842 B1 19930407 (DE)

Application

EP 89100757 A 19890118

Priority

DE 3804041 A 19880210

Abstract (en)

[origin: JPH01232674A] PURPOSE: To weaken insertion load to completely maintain a contact characteristic by providing in an insertion range a notch which extends in the cross direction relative to a coupling web, for interrupting the coupling web in the range of shift to or the range of coupling to a lower pin end. CONSTITUTION: A tapered insertion range 4 is provided in front of a fixed block L as seen from the direction of insertion of a contact element, and is smoothly pressed into a hole in a printed board. In order to enhance the elasticity of the insertion range 4, a notch 11, i.e., an opening, is provided to interrupt a coupling web, and extends in the cross direction. The notch 11 is formed as an oblong hole and extends the overall length of the insertion range 4. The width of the oblong hole is designed so that when the insertion range is deformed during pressing-in, opposed sides can barely make contact with each other. Thereby the elasticity of the insertion range is significantly enhanced, insertion of the contact element into the hole in the printed board is made easier, and mechanical loads are significantly decreased, so that a tin layer of a hole metal cover will not be scraped off and pushed out.

IPC 1-7

H01R 9/09

IPC 8 full level

H01R 12/58 (2011.01); **H01R 13/41** (2006.01)

CPC (source: EP US)

H01R 12/585 (2013.01 - EP US)

Cited by

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