

Title (en)
Compliant pin.

Title (de)
Sich verformender Stift.

Title (fr)
Broche pouvant se déformer.

Publication
EP 0124767 A2 19841114 (EN)

Application
EP 84103700 A 19840404

Priority
• US 48091883 A 19830407
• US 52626283 A 19830825

Abstract (en)
A compliant electrical connector pin has opposed convex surfaces to grip the surfaces of a hole in a circuit board, the pin having a compliant region so that the pin compresses to reduce the cross sectional area of the pin as the pin is inserted into the hole with the pin having a transition zone proximate the compliant region with the transition zone and the compliant region sufficiently interrelated so that the transition zone partially expands the hole in the circuit board before the hole in the circuit board begins to compress the compliant region of the pin with the compliant region and the hole coacting to provide a low resistance electrical connection between mating surfaces of the hole and the pin without rupturing the material on the side walls of the hole with the compliant pin structure being able to withstand vibration without fracturing.

IPC 1-7
H01R 9/09

IPC 8 full level
H01R 12/34 (2006.01); **H01R 12/58** (2011.01)

CPC (source: EP)
H01R 12/585 (2013.01)

Cited by
EP0492017A1; US4691979A

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

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EP 0124767 A2 19841114; EP 0124767 A3 19861203

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