

Title (en)

Electrical contact pin for printed circuit board.

Title (de)

Elektrischer Kontaktstift für gedruckte Schaltungsplatten.

Title (fr)

Broch électrique de contact pour cartes à circuits imprimés.

Publication

**EP 0522613 B1 19950906 (EN)**

Application

**EP 92201646 A 19920605**

Priority

NL 9101236 A 19910712

Abstract (en)

[origin: EP0522613A1] Electrical contact pin for mounting in a through hole in a printed circuit board, which contact pin has a pointed part and a longitudinal contact part which interacts with the hole when mounted therein, and the cross-section of which in general has an H-shape formed through four fins which project parallel to the longitudinal axis of the pin and are connected over the longitudinal distance of the contact part by a central cross rib and define two longitudinal recesses situated on either side of the cross rib. Each longitudinal recess has an essentially V-shaped floor. The contact part is made slightly curved at its short sides, each of which comprises two fins merging into each other over the entire longitudinal distance. The fins are also curved inwards more strongly by their fin ends starting from the pointed part over an appreciable part of the said longitudinal distance, the curvature of the fin ends gradually first increasing starting from the pointed part, and then decreasing. Process for making such a contact pin, in which the longitudinal recesses of the contact part with the V-shaped floors are formed at both sides of the cross rib by means of two corresponding knife-shaped dies. The contact part is enclosed by two opposite semi-cylindrical pressure elements over the longitudinal distance and is curved at the short sides by pressure. The above-mentioned appreciable part can be curved more greatly here, due to the fact that the two cylindrical pressure elements in the appreciable part have a semi-cylindrical piece with a smaller diameter and a semi-conical piece merging into a remaining semi-cylindrical piece with greater diameter. <IMAGE>

IPC 1-7

**H01R 9/09**; **H01R 43/16**

IPC 8 full level

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CPC (source: EP)

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