

Title (en)

Press fit connector for a printed circuit board.

Title (de)

Einpresskontaktstiftverbinder.

Title (fr)

Connecteur embrochable à force sur une carte imprimée.

Publication

**EP 0546884 B1 19940831 (FR)**

Application

**EP 92403208 A 19921127**

Priority

FR 9115295 A 19911210

Abstract (en)

[origin: EP0546884A1] An insulating body carries a series of bent-over pins (300) which, by means of one of their arms (310), can be plugged into a plated-through hole (510) of a printed-circuit board (500). <??>According to the invention, the insulating body includes: - an angle bracket (100), with a mounting flange (110) whose outer face (112) rests against the board, and - a pressure block (200), with bearing surfaces (220) bearing against the pins so as to exert, on the latter, a force (F) causing press-fitting into the plated-through holes, and bearing surfaces (230) bearing against the mounting flange. <??>The geometry of the assembly is such that, when the first bearing surfaces come to bear, without stress, on the pins, a clearance (J2) remains between the second bearing surfaces and the mounting flange, this clearance being greater than the permanent deformation of the pins and of the insulating body after press-fitting the pins and relieving the stresses, so as to keep the angle bracket perfectly pressed up against the board. <IMAGE>

IPC 1-7

**H01R 23/70**

IPC 8 full level

**H01R 12/50** (2011.01)

CPC (source: EP US)

**H01R 12/712** (2013.01 - EP US)

Cited by

EP0784359A1; EP0977314A1; EP0682387A1; FR2719949A1; US5613879A; US6264474B1; WO9742686A1; WO9713299A1

Designated contracting state (EPC)

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