

Title (en)

ELASTIC PRESS-FIT PIN FOR THE SOLDERLESS CONNECTION OF WIRE WRAPPING POSTS OF ELECTRIC PLUG CONNECTORS WITH PLATED THROUGH-HOLES CIRCUIT BOARDS, AND METHOD FOR ITS MANUFACTURE

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Application

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Abstract (en)

[origin: US4585293A] To create an insertable elastic section for connecting contact pins into through-openings in a printed circuit board, an axially extending section of a post or pin is deformed to provide an axially extending U-shaped section. The pin is provided with a regular transverse section from which the U-shaped section is deformed. The original shape of the pin may be rectangular. The deformation is carried out in a pair of die parts. The axially extending U-shaped section is divided into a bight part or base with a pair of legs extending outwardly from the opposite sides of the base. The outside surfaces of the legs are shaped to provide linear contact with the surface of an opening through a printed circuit board with the contact being afforded at the opposite ends of the legs. Transition sections interconnect the legs to the base and are provided with a reduced wall thickness as compared to the legs for enhancing the elasticity of the legs. The elasticity of the U-shaped section accommodates the diameter differences in the openings through the printed circuit board.

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