

Title (en)

CONTACT-MAKING PLUG FOR MAKING DIRECT CONTACT WITH A PRINTED CIRCUIT BOARD

Title (de)

KONTAKTIERUNGSSTECKER ZUR DIREKTKONTAKTIERUNG EINER LEITERPLATTE

Title (fr)

CONNECTEUR DE CONTACT POUR MISE EN CONTACT DIRECTE D'UNE CARTE DE CIRCUITS IMPRIMÉS

Publication

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Application

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Abstract (en)

[origin: WO2012123222A1] In a contact-making plug (30) for making direct electrical contact with contact areas (3), which are provided on either side of a printed circuit board (2), having two contact supports (6) which are connected to one another in an articulated manner, which between them form a plug receptacle (7) for the printed circuit board (2) and which each have at least one contact element (8), which projects into the plug receptacle (7), for making direct electrical contact with a contact area (3), having a spring (31) which bears against the outside of the two contact supports (6) in each case by way of two spring limbs (32) and prestresses the two contact supports (6) in the direction toward one another, and having a control channel (10) which is formed between the two contact supports (6) and laterally next to the plug receptacle (7) and which is constricted by two control projections (12), which are situated opposite one another, of the two contact supports (6) and, together with a control wedge (11) which is provided on the printed circuit board (2), pivots open the two contact supports (6) when the printed circuit board (2) is inserted, provision is made, according to the invention, for the spring limbs (32) to extend in the plugging direction (4) of the contact-making plug (30) and for the spring (31) to be able to be moved between an end position and a preliminary latching position by way of its two spring limbs (32) on the contact supports (6), wherein force is introduced by the two spring limbs (32) onto the contact supports (6) in the end position at a greater distance (L1) from the rotation axis (36) of the two contact supports (6) than in the preliminary latching position.

IPC 8 full level

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