

Title (en)

CONTACT PLUG FOR DIRECTLY CONTACTING A CIRCUIT BOARD

Title (de)

KONTAKTIERUNGSSTECKER ZUR DIREKTKONTAKTIERUNG EINER LEITERPLATTE

Title (fr)

CONNECTEUR ÉLECTRIQUE POUR CONNEXION DIRECTE À UN CIRCUIT IMPRIMÉ

Publication

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Application

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Abstract (en)

[origin: WO2012123197A1] The invention relates to a contact plug (40) for directly electrically contacting contact areas (3) provided on both sides of a circuit board (2) by means of two contact carriers (6) joined to each other with a hinge, which form a plug receptacle between each other for the circuit board (2) and each comprise at least one contact element (8) protruding into the plug receptacle (7) for directly electrically contacting a contact area (3), comprising a spring (9), wherein the two free spring ends (9a) of said spring contact the outside of the two contact carriers (6), respectively, and tension the two contact carriers (6) toward each other, and comprising a control channel (10), which is formed between the two contact carriers (6), and is adjacent to the side of the plug receptacle (7), wherein said control channel is bounded by two control protrusions (12) of the two contact carriers (6) opposite each other and pivots open against the action of the spring (9) when the circuit board (2) is inserted by interacting with a control wedge (11) provided on the circuit board (2). According to the invention, the spring (9) is open in the plug direction (4) of the contact plug (40) and the control protrusions (12) of the two contact carriers (6) are disposed in front of the free spring ends (9a) of the spring (9) that are contacting the contact carriers (6) in the plug direction (4) of the contact plug (40).

IPC 8 full level

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