

Title (en)
PLUG CONTACT

Title (de)
STECKKONTAKT

Title (fr)
CONTACT ENFICHABLE

Publication
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Application
EP 17718540 A 20170421

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Abstract (en)
[origin: WO2017182633A1] The invention relates to a plug contact (1) for electrically contacting a printed circuit board (2) by plugging the plug contact (1) into a contact hole (3) of the printed circuit board (2), comprising two contact limbs (4, 5) which are elastic relative to each other, a terminal region (6), and a connection region (7). The connection region (7) connects the two contact limbs (4, 5) together and to the terminal region (6), and the plug contact (1) is punched out of a flat metal material and is bent. The plug contact (1) according to the invention ensures multiple plugging and pulling cycles without the inner wall (9) of the contact hole (3) being damaged in that each of the two contact limbs (4, 5) has a contacting region (4a, 5a) which contacts the contact hole (3) in the plugged-in state. The outer contour (8) of each of the two contact limbs (4, 5) has the shape of a segment of a circle in a cross-sectional view in the contacting region (4a, 5a), and the radius of the outer contour (8) is smaller than the radius of the corresponding contact hole (3) of the printed circuit board (2).

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CPC (source: EP US)
H01R 12/515 (2013.01 - EP US); **H01R 12/585** (2013.01 - EP US)

Citation (examination)
• DE 102008036090 A1 20100218 - TYCO ELECTRONICS AMP GMBH [DE]
• EP 3375048 A1 20180919 - PHOENIX CONTACT GMBH & CO [DE]

Cited by
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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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