

Title (en)

PRESS-IN CONTACT AND METHOD FOR PRODUCING SAME

Title (de)

EINPRESSKONTAKT UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

CONTACT DE PRESSION ET SON PROCÉDÉ DE PRODUCTION

Publication

EP 4222819 A1 20230809 (DE)

Application

EP 21778053 A 20210916

Priority

- DE 102020125453 A 20200929
- EP 2021075485 W 20210916

Abstract (en)

[origin: WO2022069242A1] The invention relates to a press-in contact for being pressed into a hole in a printed circuit board. This press-in contact has a press-in portion (10) which extends from a front end to a rear end and has a front portion (14), a rear portion (18) and a central portion (16) located between the front portion and the rear portion. The central portion (16) is formed by a first flange (27a) and a second flange (27b), the two flanges being separated by a slot (20) extending from a front end (21) to a rear end (22) in the longitudinal direction of the press-in portion (10). The two flanges (27a, 27b) have, on the inner face, an impressed zone (EZa, EZb) which is produced by means of deformation under pressure and in which the thickness of the press-in portion is reduced in relation to the maximum thickness (dmax). In order to avoid the formation of cracks, the impressed zones (EZa, EZb) each extend beyond the front end (21) of the slot (20), such that the impressed zones (EZa, EZb) each have a main portion (23a, 23b) extending laterally along the slot and a front end portion (24a, 24b), the thickness of the end portions (24a, 24b) being smaller than the thickness of the main portions (23a, 23b).

IPC 8 full level

H01R 12/58 (2011.01); **H01R 43/16** (2006.01)

CPC (source: EP)

H01R 12/585 (2013.01); **H01R 43/16** (2013.01)

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102020125453 A1 20220331; EP 4222819 A1 20230809; WO 2022069242 A1 20220407

DOCDB simple family (application)

DE 102020125453 A 20200929; EP 2021075485 W 20210916; EP 21778053 A 20210916