

Title (en)

PIN CONTACT ELEMENT FOR CONNECTION TO A PRINTED CIRCUIT BOARD

Title (de)

STIFTKONTAKTELEMENT ZUR ANBINDUNG AN EINE LEITERPLATTE

Title (fr)

ÉLÉMENT À BROCHES DE CONTACT, DESTINÉ À ÊTRE FIXÉ SUR UNE CARTE À CIRCUIT IMPRIMÉ

Publication

EP 2865053 A1 20150429 (DE)

Application

EP 13730582 A 20130624

Priority

- DE 102012105508 A 20120625
- EP 2013063124 W 20130624

Abstract (en)

[origin: WO2014001250A1] The invention describes a pin contact element (1) having a contact support (2) which is composed of insulating material and having at least two pin contacts (3a, 3b, 3c, 3d) which are installed in the contact support (2). The pin contact element (1) is intended to be installed in an electronics device housing (13) and to be connected to a printed circuit board. The pin contacts (3a, 3b, 3c, 3d) project from a platform (5) of the contact support (2) in order to receive a spring-force plug connector (19) by way of a straight contact section (4). The contact sections (4) of the pin contacts (3a, 3b, 3c, 3d) are surrounded in a fixing region (6) of the platform (5) by the contact support (2) and the pin contacts (3a, 3b, 3c, 3d) are secured in the contact support (2) in the fixing region. At least one of the pin contacts (3a, 3b, 3c, 3d) is routed past at least one further pin contact (3a, 3b, 3c, 3d) of the same pin contact element (1) such that it adjoins the straight contact section (4) by way of at least two angled portions (8). At least two pin contacts (3a, 3b, 3c, 3d) are arranged with their straight contact sections (4) in a row next to one another. The opposite free ends (7a, 7b, 7c, 7d) of these pin contacts (3a, 3b, 3c, 3d), which free ends are intended to be connected to a printed circuit board, extend parallel to the direction (R) in which the straight contact sections (4) are lined up next to one another in at least one row, and project laterally out of the contact support (2).

IPC 8 full level

H01R 12/75 (2011.01); **H01R 9/26** (2006.01); **H01R 12/51** (2011.01)

CPC (source: CN EP US)

H01R 9/2608 (2013.01 - US); **H01R 9/2625** (2013.01 - CN EP US); **H01R 12/71** (2013.01 - US); **H01R 12/75** (2013.01 - CN EP US); **H01R 12/515** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2014001250A1

Citation (examination)

- WO 02095878 A1 20021128 - MOLEX INC [US], et al
- EP 2088842 A2 20090812 - WEIDMUELLER INTERFACE [DE]
- DE 102009035716 A1 20110203 - WAGO VERWALTUNGS GMBH [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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