

Title (en)

Right angled press fit connector to press in printed circuit holes

Title (de)

Abgewinkelter Einpress-Steck-verbinder zum Einpressen in Bohrungen einer Leiterplatte

Title (fr)

Connecteur d'insérage à angle droit à insérer en force dans les trous d'un circuit imprimé

Publication

EP 0793313 B1 20020717 (DE)

Application

EP 97102817 A 19970220

Priority

DE 19607548 A 19960228

Abstract (en)

[origin: EP0793313A2] The connector has contacts (3) fastened at one end in a square plastic body (1). They are guided sideways into a press part (2) in slit-type recesses (4) open towards the circuit board. The free ends of the contacts (3) have a press-in section (5) bent perpendicular to the circuit board. Each press-in section (5) has two press-in shoulders (6). The press part (2) is formed with press-in surfaces (7) parallel to the circuit board and arranged adjacent the recesses (4). On insertion, these surfaces (7) cooperate with the shoulders (6). The plug face of the connector is formed by a shield plate (8). The part (9) of this perpendicular to the circuit defines a front plate of the plug connector. The press part (2) is approx. u-shaped. The free ends (14,15) of the legs of the u-shape, together with the plastic body (1) between them, strike the front plane. The bridge of the u-shape is provided as a pressure surface (11) on insertion. A fastening pin (16) set back relative to the front plane is formed on the circuit board side of the legs of the u-shape.

IPC 1-7

H01R 12/04; **H01R 12/32**; **H01R 12/18**; **H01R 12/20**

IPC 8 full level

B60J 10/04 (2006.01); **F02B 37/00** (2006.01); **H01R 12/04** (2006.01); **H01R 12/55** (2011.01); **H01R 12/70** (2011.01); **H01R 13/60** (2006.01); **H01R 12/50** (2011.01); **H01R 12/72** (2011.01)

CPC (source: EP US)

H01R 12/7064 (2013.01 - EP US); **H01R 12/725** (2013.01 - EP US); **H01R 13/658** (2013.01 - EP US)

Cited by

DE19842708B4; CN101640351A; WO0011761A1

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

EP 0793313 A2 19970903; **EP 0793313 A3 19981209**; **EP 0793313 B1 20020717**; DE 19607548 A1 19971023; DE 19607548 C2 19980226; DE 59707699 D1 20020822; JP H1027660 A 19980127; US 5865645 A 19990202

DOCDB simple family (application)

EP 97102817 A 19970220; DE 19607548 A 19960228; DE 59707699 T 19970220; JP 5838497 A 19970226; US 80878697 A 19970228