

Title (en)
SPRING CONNECTOR FOR PRINTED CIRCUIT BOARDS

Publication
EP 0057757 B1 19860226 (DE)

Application
EP 81108914 A 19811026

Priority
DE 3104208 A 19810206

Abstract (en)
[origin: EP0057757A2] 1. Spring plug connector, which can be arranged on a board comprising a printed circuit, which can engage at least with solder tags in apertures in the said board, which is integrally formed, which comprises spring contact arms (9, 10) and is formed substantially rectangular in cross-section in a box-type design, the box form being open at the top and forming plug openings, and which comprises the front wall (4), the rear wall (5) and the lateral walls (6, 7), characterised in that the spring plug connector is open at the bottom, two similarly shaped spring contact arms (9, 10) are connected in each case to the bottom edges (8) or upper edges (12) at a distance from the lateral edges (6, 7) and are arranged spaced apart, each spring contact arm (9, 10) being longer than the height of the connector and thus being bent over towards the inside such that the oppositely disposed spring arms (9) or (10) extend towards one another, contact in the upper third of the connector and form the contact area (11), and are bent back from the contact area (11) in the shape of an arc upwards towards the walls (4, 5), and the spring arms (9, 10) can rest against crosspieces (12) arranged on the upper edge or lower edge of the walls (4, 5).

IPC 1-7
H01R 23/72; **H01R 13/11**

IPC 8 full level
H01R 12/71 (2011.01); **H01R 4/02** (2006.01); **H01R 13/11** (2006.01); **H01R 13/15** (2006.01); **H01R 13/35** (2006.01)

CPC (source: EP)
H01R 12/718 (2013.01); **H01R 4/02** (2013.01); **H01R 12/58** (2013.01); **H01R 13/113** (2013.01); **H01R 13/35** (2013.01)

Cited by
EP3018763A1; FR2898734A1; FR2756425A1; US6089880A; FR3084557A1; EP0527243A1; EP0140615A3; US4515422A; US9634413B2; US11510332B2; WO2007118944A1; WO2020025890A1

Designated contracting state (EPC)
FR GB IT NL

DOCDB simple family (publication)
EP 0057757 A2 19820818; **EP 0057757 A3 19830622**; **EP 0057757 B1 19860226**; DE 3104208 A1 19820902; DE 3104208 C2 19861120

DOCDB simple family (application)
EP 81108914 A 19811026; DE 3104208 A 19810206