

Title (en)

Zero insertion force connector for cable to board applications

Title (de)

Einfügungskraftfreier Verbinder für Anwendungen von Kabel zu Leiterplatte

Title (fr)

Connecteur à force d'insertion nulle pour des applications de câble à plaquette

Publication

EP 0603161 B1 19990922 (EN)

Application

EP 94103475 A 19900223

Priority

- EP 90103582 A 19900223
- GB 8904500 A 19890228
- GB 8904502 A 19890228

Abstract (en)

[origin: EP0385314A1] In electrical connector (2) is shown having an insulative housing (4) with a plurality of terminal receiving passages (24), the passageways extending from a lower surface (34) to a position proximate to an upper face (16). A plurality of electrical terminals (70) are disposed within the passageways (24) where posts (86) extend from the lower face (34) for contacting printed circuit board traces. The upper face (16) of the housing (4) includes a plurality of conductor receiving passageways (20) which are in alignment with conductor receiving sections (78), (82) of the electrical terminals (70). An actuator member (50) is moveable relative to the housing and relative to the upper face (16), the movement of the actuator member (50) opening the cable receiving sections (78), (82) of the electrical terminals (70), while release of the actuator member (50) causes the conductor receiving section (78), (82) to engage the exposed conductor of the multiconductor cable for electrical connection thereto.

IPC 1-7

H01R 23/68; **H01R 13/193**

IPC 8 full level

H01R 24/00 (2006.01); **H01R 12/89** (2011.01)

CPC (source: EP KR)

H01R 9/00 (2013.01 - KR); **H01R 12/89** (2013.01 - EP)

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0385314 A1 19900905; **EP 0385314 B1 19950628**; AR 242322 A1 19930331; BR 9000837 A 19911015; CN 1045314 A 19900912; DE 69020382 D1 19950803; DE 69020382 T2 19951102; DE 69033300 D1 19991028; DE 69033300 T2 20000413; EP 0603161 A2 19940622; EP 0603161 A3 19970108; EP 0603161 B1 19990922; ES 2074094 T3 19950901; JP 2965210 B2 19991018; JP H02273477 A 19901107; KR 900013673 A 19900906; MY 106680 A 19950731

DOCDB simple family (application)

EP 90103582 A 19900223; AR 31620790 A 19900220; BR 9000837 A 19900221; CN 90100980 A 19900227; DE 69020382 T 19900223; DE 69033300 T 19900223; EP 94103475 A 19900223; ES 90103582 T 19900223; JP 4603390 A 19900228; KR 900002627 A 19900228; MY PI19900250 A 19900215