

Title (en)

Electrical connector with circuit board ejector or retention device

Title (de)

Elektrischer Verbinder mit Auswurf- oder Haltemechanismus für eine Platine

Title (fr)

Connecteur électrique avec éjecteur ou dispositif de rétention pour circuit imprimé

Publication

EP 1081794 A1 20010307 (EN)

Application

EP 99117309 A 19990903

Priority

- EP 99117309 A 19990903
- SG 1999004241 A 19990901
- TW 87214577 U 19980904

Abstract (en)

An electrical connector (10) includes insulative housing (12) with a slot (14) for receiving an auxiliary circuit card, a pair of pivotable ejectors (20) for ejecting the circuit card, and pair of fasteners (18) for mounting the connector to a primary circuit board. Each of the fasteners is anchored within the housing and includes a projecting mounting portion (34) that is insertably mountable in a mounting aperture in the primary circuit board. Each of the ejectors is pivotably mounted on an ejector retaining portion (36) of the fastener. In an embodiment, the ejector retaining portion of the fastener is formed by two resilient beams (38) arranged parallel to each other. The ejector fits between the beams. At a free end of each beam, a protrusion (46) is formed which is held in a biased manner inwardly against a cooperative detent (48) in a side of the ejector (20). The ejector (20) is held pivotably by the opposed protrusions (46) riding within the detents (48). The arrangement facilitates a slim design of the connector, occupying less space. Furthermore, the design avoids a need to form ejector mounting holes in sides of the housing wall, which undesirably weakens the housing. <IMAGE>

IPC 1-7

H01R 12/18

IPC 8 full level

H01R 13/633 (2006.01); **H01R 13/629** (2006.01)

CPC (source: EP)

H01R 12/7064 (2013.01); **H01R 13/62988** (2013.01)

Citation (search report)

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- [A] WO 9853654 A1 19981126 - WHITAKER CORP [US]
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- [A] US 4129351 A 19781212 - SUGIMOTO KAZUYASU, et al
- [A] EP 0469324 A2 19920205 - MOLEX INC [US]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

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