

Title (en)
Card edge connector assembly.

Title (de)
Leiterplatten-Randverbinder.

Title (fr)
Assemblage de connecteur de bordure de carte.

Publication
EP 0529345 A2 19930303 (EN)

Application
EP 92113141 A 19920801

Priority
US 74036591 A 19910805

Abstract (en)
A card edge connector assembly includes a printed circuit card (10) having an edge (12) and a plurality of first conductive pads (20) arranged in a pattern on one side of the card near the edge, and a plurality of second conductive pads (22) arranged in a pattern on the opposite side of the card spaced inwardly of the edge and the first conductive pads. An elongated housing (24) is provided with a card receiving slot (25) for receiving the edge of the printed circuit card. A plurality of pairs of contact elements (32a, 32b) are mounted in the housing along the length of the slot. Each pair of contact elements includes a short contact element having a spring contact portion (78) for engaging one of the first conductive pads, and a long contact element having a spring contact portion for engaging one of the second conductive pads. The contact portions of each pair of contact elements are spatially overlapped each other in a direction transversely of the slot to increase the deflection capabilities of the contact elements.

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H01R 23/70; **H05K 7/14**

IPC 8 full level
H01R 12/16 (2006.01); **H01R 12/18** (2006.01); **H01R 12/72** (2011.01); **H01R 12/82** (2011.01); **H01R 13/05** (2006.01); **H01R 13/639** (2006.01); **H01R 24/00** (2006.01); **H01R 43/16** (2006.01)

CPC (source: EP KR)
H01R 12/58 (2013.01 - KR); **H01R 12/72** (2013.01 - KR); **H01R 12/721** (2013.01 - EP); **H01R 12/82** (2013.01 - EP)

Cited by
CN109326906A; EP1094696A3; EP0627792A1; FR2705501A1; US6796831B1; EP2916392A1; US9431759B2; US9691434B2; US9196303B2; US9819129B2

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