

Title (en)
Stacking connector system.

Title (de)
Stapelverbindingssystem.

Title (fr)
Système de connecteur empilable.

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Application
EP 93303433 A 19930430

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Abstract (en)
A system is described for providing coaxial connection paths between traces on stacked circuit boards, which enables large numbers of closely spaced coaxial connections in a rugged construction. At least one stacking connector (20, Figure 2) lies between a pair of circuit boards (12, 14), the connector including a grounded electrically conductive housing (70) having multiple housing holes (72), with a dielectric device (74) fixed in each housing hole. A contact device (80) lies in each dielectric device and projects from the housing into plated-through holes (36, 56) in the circuit boards which connect to traces (32, 54) on the boards. Each contact device is fixed in one of the dielectric devices (74), so the combination of the housing, dielectric devices, and contact devices, form one or two units that can be plugged into the pin receiving holes of the circuit boards. One connector (152, Figure 6) is formed with two housing parts (166, 168) forming the housing, with a dielectric (192, 194, Figure 11) in each hole of each housing part, and with a separate contact (182, 184) in each housing part. One contact forms a socket (220) and the other forms a pin (206) for reception in the socket. The housing parts can be mated and unmated from each other to connect and disconnect the circuit boards from each other. <IMAGE>

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IPC 8 full level
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H01R 12/52 (2013.01); **H01R 13/658** (2013.01); **H01R 12/523** (2013.01); **H01R 24/50** (2013.01)

Citation (search report)
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• [A] US 4506939 A 19850326 - FAULKENBERRY WAYNE J [US], et al
• [A] US 3007121 A 19611031 - SCHLICKE HEINZ M
• [A] EP 0427563 A2 19910515 - ADVANCED INTERCONNECTIONS [US]

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