

Title (en)

Assembly for connection of a backplane to the printed circuit of a subunit

Title (de)

Anordnung zur Verbindung von Rückwandleiterplatten und Baugruppenleiterplatten

Title (fr)

Dispositif de connexion de cartes de circuit imprimé sur face arrière aux cartes d'une unité de construction électrique

Publication

**EP 0690524 B1 19981202 (DE)**

Application

**EP 95109451 A 19950619**

Priority

DE 9410342 U 19940627

Abstract (en)

[origin: CA2152577A1] An arrangement for connection of wiring backplanes and module circuit boards wherein individual contact passages arranged in a housing are surrounded by electrically conductive shielding plates that are connected to contactings that carry shield potential. They are attached in the intermediate grid both at the backplane side as well as at the assembly side, and are charged with a corresponding potential. In order to create a connector arrangement for extremely high transmission frequencies and good transmission properties, terminal ends of spring elements of the sheet metal shielding compartment and terminal ends of the spring elements of shielding plates of the contact passages abut with a contacting layer of precious metal at the backplane side. Both the spring elements of the shielding plates arranged perpendicular to the wiring backplane as well as the spring elements of the shielding compartment proceeding perpendicular to the wiring backplane are corrugated. Terminal lugs are provided on the precious metal layer on the wiring backplane in the cooperating region of the terminal ends. The housing is mechanically secured to the wiring backplane at a plurality of locations.

IPC 1-7

**H01R 9/09**; **H01R 13/33**; **H01R 23/68**

IPC 8 full level

**H05K 9/00** (2006.01); **H01R 12/50** (2011.01); **H01R 13/33** (2006.01); **H05K 3/36** (2006.01); **H05K 7/14** (2006.01)

CPC (source: EP US)

**H01R 12/00** (2013.01 - US); **H01R 13/6585** (2013.01 - EP); **Y10S 174/34** (2013.01 - EP); **Y10S 439/947** (2013.01 - EP)

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DOCDB simple family (publication)

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