

Title (en)  
SHIELD CONNECTION

Title (de)  
SCHIRMANBINDUNG

Title (fr)  
RACCORDEMENT D'ELEMENT DE BLINDAGE

Publication  
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Application  
**EP 04790194 A 20041008**

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Abstract (en)  
[origin: WO2005036700A1] The invention relates to a shield connection between a printed circuit board which receives electrical and/or electronic components and is arranged in a housing, and at least one connector socket that is arranged in a wall of the housing and comprises a metallic, cylindrical socket sleeve that is guided through the housing wall and comprises a receiving element, on the outer side of the wall, for receiving a plug provided with a corresponding metallic coupling element, said coupling element being electrically connected to the shield of a cable connecting to the plug. The aim of the invention is to create a shield connection, whereby the sleeve of the connector socket, that is electrically connected to the potential of the shielding of the cable to be connected, is automatically electrically coupled to the printed circuit board, by which means the shielding potential is further distributed, during the assembly of the housing. To this end, the inventive shield connection consists of a metallic, annular shield element comprising contact pins that respectively protrude from the ring plane, on one side of the ring, for mechanical and electrical connection to the printed circuit board, and spring legs protruding on the other side of the ring, to be brought into contact with the socket sleeve.

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