

Title (en)
Electrical connector for printed circuit boards

Title (de)
Elektrischer Verbinder für gedruckte Schaltungen

Title (fr)
Connecteur électrique pour circuits imprimés

Publication
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Application
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Priority
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Abstract (en)
The object of the present invention is to provide an electrical connector which makes it possible to achieve simple ground interconnection between two printed circuit boards. Contacts (134, 136, 154, 156) for ground and signal which electrically contact each other are respectively secured in housings of a plug connector (150) and a cap connector (130), with the contacts being positioned in two rows in each connector. The cap connector (130) includes shield plates (170) attached to the side surfaces of the housing (152) of the cap connector. Said shield plates (170) being connected to the ground contact (154) of the plug connector and the ground contacts (134) are of the plug connector (130). <IMAGE>

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IPC 8 full level
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Citation (search report)
• [Y] US 5263870 A 19931123 - BILLMAN TIMOTHY B [US], et al
• [Y] EP 0627788 A1 19941207 - FRAMATOME CONNECTORS INT [FR]
• [A] US 5199884 A 19930406 - KAUFMAN JOHN W [US], et al
• [AP] EP 0678940 A2 19951025 - DU PONT [US]
• [AP] EP 0658951 A1 19950621 - MOLEX INC [US]

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WO 9624969 A1 19960815; CN 1096127 C 20021211; CN 1175322 A 19980304; DE 69509136 D1 19990520; DE 69509136 T2 19991111; DE 69523786 D1 20011213; DE 69523786 T2 20020613; EP 0808520 A1 19971126; EP 0808520 B1 19990414; EP 0863585 A1 19980909; EP 0863585 B1 20011107; KR 19980702071 A 19980715; MY 114986 A 20030331; NO 973654 D0 19970808; NO 973654 L 19970808

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