

Title (en)
PLUG-IN CONNECTION FOR CIRCUIT BOARDS

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Application
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DE 3925157 A 19890728

Abstract (en)
[origin: EP0410427A1] The invention relates to a plug connector for printed-circuit boards, in particular in data technology. Since data processing installations are operated at ever higher clock frequencies, care must be taken above all to ensure that there is a defined characteristic impedance, which cannot be achieved with previous plug connections, at junction points between printed-circuit boards and plug connectors. The invention solves this problem in that a multilayer, flexible conductor film (1) has alternating planes (20) for signal conductors (10) and potential conductors (17), the conductors of the individual planes being in a fixed geometrical configuration with respect to one another for a specific characteristic impedance value which it to be achieved in each case. Laminated onto one end of the conductor film (1) are, in addition, two reinforcing plates (8, 9), resting one on top of the other, the first (8) of which contains through-plated holes into which pins (2) or solder tabs are soldered and the second (9) of which is provided with recesses for holding solder tin at the points at which the holes in the first printed-circuit board are located. The conductor tracks are additionally exposed at the other end of the film so that they can be soldered directly to a printed-circuit board. <IMAGE>

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IPC 8 full level
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