Title (en)

PLUG CONNECTOR HAVING CROSSTALK COMPENSATION

Title (de)

STECKVERBINDER MIT ÜBERSPRECHKOMPENSATION

Title (fr)

CONNECTEUR À COMPENSATION DE DIAPHONIE

Publication

EP 2979333 B1 20180912 (DE)

Application

EP 14706281 A 20140123

Priority

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Abstract (en)

[origin: WO2014154198A1] The invention relates to a plug connector that is comparatively simple to produce, e.g. by MID technology, but which nevertheless ensures good crosstalk compensation and hence a high data transfer rate. The contact support thereof consists of two bonded contact support parts. The contacts are arranged between said contact support parts. A separate electrically conductive compensation coating can be provided in each contact support part. Each of the electrically conductive compensation coatings has an attachment surface for establishing an electrically conducting connection to an associated contact. Each of the electrically conductive compensation coatings also has at least one coupling surface which is provided for specific capacitive coupling with one or more further contacts. An insulating foil or a part of an insulating foil that acts as dielectric and spacer is arranged between each coupling surface and the associated contact. Through skilful choice of the contacts to be coupled and the capacitance of the coupling, a good compensation of undesirable crosstalk can thus be achieved in a simple manner.

IPC 8 full level

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CPC (source: EP US)

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