

Title (en)

high-frequency coupler for connecting a coaxial plug to a high-frequency transmission line on a printed circuit board

Title (de)

hf-kuppler zum verbinden eines koaxialsteckers mit einer hf-übertragungsleitung auf einer leiterplatte

Title (fr)

coupleur hf destiné à connecter une fiche coaxiale à une ligne de transmission hf sur une plaquette

Publication

**EP 1645018 A1 20060412 (DE)**

Application

**EP 04763118 A 20040707**

Priority

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Abstract (en)

[origin: US7318728B2] A high-frequency coupler connects a coaxial plug to a high-frequency transmission line on a printed circuit board. The coupler comprises a first pair of spring lamellae, for electrically contacting a middle conductor of the coaxial plug, and having a second pair of spring lamellae, for electrically contacting an outer conductor of the coaxial plug. A spring lamella of the first pair has, at an end facing away from coaxial plug, a contact surface that electrically connects the coupler to the transmission line on the printed circuit board and is mechanically connected to the printed circuit board. One spring lamella of the second pair has, at an end facing away from the coaxial plug, a contact surface that electrically connects the coupler to a printed circuit board ground contact and is mechanically connected to the printed circuit board.

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