

Title (en)
PLUG CONNECTOR

Title (de)
STECKVERBINDER

Title (fr)
CONNECTEUR ENFICHABLE

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Abstract (en)
[origin: WO2017178118A1] The invention relates to a plug connector (2), in particular a high-frequency plug connector, comprising a first connector (4), in particular a coaxial connector, which has a first inner conductor parts (14), a first outer conductor part (28) and a first insulating part (26) for holding the first inner conductor part (14) radially inside and coaxially with respect to the first outer conductor part (28), and comprising a second connector (6), in particular a coaxial connector, designed to be plugged axially into the first connector (4) in a joining direction (F), which connector has a second inner conductor part (34), a second outer conductor part (38) and a second insulating part (36) for holding the second inner conductor part (34) radially inside and coaxially with respect to the second outer conductor part (38), wherein, when the first and second connector (4, 6) are plugged in, the first inner conductor part (14) contacts the second inner conductor part (34) electrically and mechanically, and the first outer conductor part (28) contacts the second outer conductor part (38) electrically and mechanically, wherein the first outer conductor part (28) has a first outer conductor contact section (32) for making electrical and mechanical contact with a second outer conductor contact section (40) on the second outer conductor part (38), wherein the first outer conductor part (28) has a first guide face (20) and the second outer conductor part (38) has a second guide face (18) which, when the first connector (4) is plugged into the second connector (6), are designed to slide on one another mechanically. The first guide face (20) and the first outer conductor contact section (32) of the first connector (4) are arranged to be spaced apart from one another in the axial direction with respect to a longitudinal axis (50) of the plug connector (2), and the second guide face (18) and the second outer conductor contact section (40) of the second connector (6) are arranged to be spaced apart from one another in the axial direction with respect to the longitudinal axis (50) of the plug connector (2). The first connector (4) has a further third guide face (44) for guiding the second connector (6) by interacting with a further fourth guide face (42) of the second connector (6) as the first connector (4) is joined together with the second connector (6).

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• CN 204424523 U 20150624 - JIANGSU WUTONG COMM CO LTD
• EP 1337008 A2 20030820 - RADIAL SA [FR], et al

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