

PLUG CONNECTOR, RECEPTACLE CONNECTOR, AND
ELECTRICAL CONNECTOR ASSEMBLY

ABSTRACT OF THE DISCLOSURE

5 An electrical connector comprises a plug connector and a receptacle
connector. The receptacle connector comprises a receptacle housing, a first
receptacle terminal disposed within the receptacle housing and a pair of
second receptacle terminals disposed on opposite sides of the first
receptacle terminal and arranged parallel thereto. The first receptacle
terminal is configured to be coupled to a radio frequency contact pad for
10 transmission of radio frequency signals and the second receptacle terminals
are configured to be connected to ground. The plug connector comprises a
support plate, a first plug terminal having a first plug contact portion
disposed on the support plate, and a pair of second plug terminals each
having a second plug contact portion disposed on the support plate. The
15 first plug contact portion is configured for operatively coupling to the first
receptacle terminal, and the pair of second plug contact portions, disposed
on the opposite sides of the first plug contact portion, are configured for
operatively coupling to the respective second receptacle terminals.

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Figure 2