

ABSTRACT

Plug Connector, Receptacle Connector And Connector Assembly

A plug connector, a receptacle connector and a connector assembly are disclosed. The plug connector includes a board and at least one ground shielding cover. The board has a board mating portion, a surface of the board mating portion is provided with multiple pairs of signal conductive pads and multiple ground conductive pads which are respectively provided at two sides of each pair of signal conductive pads. The at least one ground shielding cover is mounted the surface of the board, the ground shielding cover and the board together encircle at least parts of the multiple pairs of signal conductive pads. The receptacle connector includes multiple pairs of signal terminals and multiple ground terminals. When the plug connector and the receptacle connector mate with each other, the multiple ground terminals of the receptacle connector are electrically connected with the ground shielding cover, each pair of signal terminals of the receptacle connector are electrically connected the corresponding pair of signal conductive pads, wherein the ground shielding cover covers and shields free ends of the multiple pairs of signal terminals.

Fig. 2