

ABSTRACT OF THE DISCLOSURE

IMPEDANCE TUNED CONNECTOR

An impedance tuned connector includes an insulating housing and a plurality of signal terminals located on the insulating housing each has a contact portion and a pin portion. A pit portion is further disposed between every adjacent two contact portions of signal terminals, so as to space one signal terminal from the adjacent signal terminals by air, which inherently provides a smaller dielectric constant as opposed to that of plastics. Thereby, the capacitance between two signal terminals is lowered down, but the impedance therebetween goes the other way. Another embodiment shows that a bending portion is formed in each pin portion, thereby increasing the inductance between two signal terminals and the impedance as well. Consequently, the impedance between two signal terminals is increased appropriately, so as to comply with the standard and reduce the rate of defection of this impedance tuned connector.

Fig. 4



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