

ABSTRACT OF THE DISCLOSURECARD READER CONNECTOR

The card reader connector for a SIM card comprising an insulative body (2) and a cover (4) pivotably mounted on pivot pins (3) of the insulative body for movement between an open and closed position wherein contact portions (8) of terminals (6) mounted in the insulative body electrically connect with contacts of the card when the cover is in the closed position. The cover is slidably movable in a direction perpendicular to an axis of the pivot pins. A locking means is provided between the cover and the insulative body comprising an L-shaped engaging piece (16) on the insulative body and a corresponding actuating piece (25) on the cover which interengage when the cover is in its closed position to lock the cover to the insulative body. A leaf spring biases the cover in a direction away from the insulative body. The connector is characterized in that when the cover is moved to its closed position, it is slidably moved rearwardly, toward the axis of the pivot pins, to produce a spring force. Therefore, when the cover is in its closed position, it is in a fully locked position by the resilient spring force imparted by the leaf spring. The card reader connector therefore facilitates insertion and removal of the card and maintains its integrity and robustness irrespective of its small size.

Fig. 1



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