

A telecommunication smart card supporting near field communication

Abstract

The invention populates a telecommunication smart card supporting near field communication which consists of card base, SIM module and antenna layer. NFC chip is embedded in the SIM module and SIM module is on the card base. There are two reserved contacts and six functional contacts on the SIM module. Antenna layer includes the coil part, connection part and card contact part which is pasted on the card base. The area surrounded by six functional contacts is stress area where new contacts are set. NFC chip is used to receive and send RF signal through two new contacts. Coil part, connection part and card contact part are joined to form a whole. The telecommunication smart card implements NFC function based on SIM card by adding NFC chip and new contacts in the stress area and solves the problem of reserved contacts being occupied and poor contact between antenna contacts and corresponding contacts on the SIM module.

Figure: 1