TRF7970A EVM Operational and Technical Description

The Texas Instruments TRF7970A evaluation module (EVM) helps designers evaluate the performance of the TRF7970A multiple-protocol RFID/NFC transceiver.

The EVM is used to demonstrate the capabilities of the device (32 pin QFN) and help aid the user in the development process. The device incorporates an analog front end, protocol handling, framing, error checking, and multiple integrated voltage regulators with other features that allow the reader to be customized/configurable for the end application.

The TRF7960 EVM features include:
- Support for the ISO 15693 standard
- Support for both the ISO 14443A standard and the ISO 14443B standard (up to layer 4)
- Support for NFC operations (Peer to Peer and Card Emulation)
- Self contained – has an on-board 13.56-MHz loop antenna and interface
- Communication with host software on a Windows-based PC through a standard USB cable
- Protocol indication LEDs – (stand alone mode) required to indicate detection of a tag.