

General Description

The ET4555 is a level shifter analog circuit designed to translate the voltages between a SIM Card and an external microcontroller or MPU. A built-in LDO-type DC-DC converter makes the ET4555 useable to drive 1.8 V & 3.0V SIM card. The device fulfills the ISO7816-3 smart card interface standard as well as GSM 11.11 and related (11.12 and 11.18) and 3G mobile requirements (IMT-2000/3G TS 31.101). With the pin a low current shutdown mode can be activated making the battery life longer. The Card power supply voltage (SIM_VCC) is selected using a single pin (MOD_VCC).

Features

- Supports 1.8V or 3.0V Operating SIM Card
- The LDO is able to Supply More than 50mA under 1.8V & 3.0V
- Built-in Pullup Resistor for I/O Pin in Both Directions
- All Pins are Fully ESD Protected According to ISO-7816 Specifications – ESD Protection on SIM Pins in Excess of 7 kV (Human Body Model)
- Supports up to More than 5 MHz Clock
- Package : QFN-16 (ET4555Y)

Application

- SIM Card Interface Circuit for 2G, 2.5G and 3G Mobile Phones
- Identification Module
- Smart Card Readers
- Wireless PC Cards

Pin Configuration

