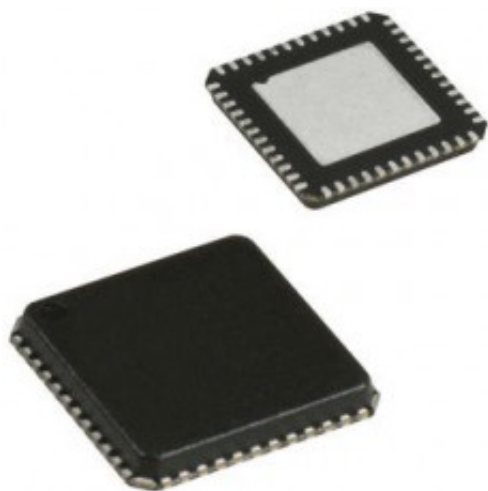


Gem Serial Lite Pro 32-pin QFN chip T&R



Brand: Gemalto
Product Code: SMASS0P32QFN

Short Description

Smart Card interface

Compliance with Standard

ISO/IEC 7816-1, 2, 3 and 4

EMV 2000

CB

Mondex, Proton, ZKA, Other

Description

■ Features

■ Smart Card interface

■ Compliance with Standard

- ISO/IEC 7816-1, 2, 3 and 4
- EMV 2000
- CB
- Mondex, Proton, ZKA, Other

■ Supported Smart Cards

- Number of Smart Card Supported: 1
- Asynchronous Cards: T=0 and T=1
- Synchronous/Memory Cards Using a Command Interpreter
- EMV or Non EMV Cards

■ Electrical Interface

- Transmission Speed: 9.6 Kbps to 115 Kbps
 - Card Power Supply: 1.8V/3V/5V
 - ESD Protection on Card pins: 4 KV - Human Body Model
 - Card Presence or Insertion Detection
 - Short Circuit Current Limitation
- Host Interface
 - Physical Layer
 - Serial Asynchronous Link
 - Programmable Transmission Speed from 1,200 bps to 115,200 bps
 - Format: 8 bits, No Parity, 1 Stop Bit
 - Adjustable Signal Voltage
 - Protocol
 - Gemplus Block Protocol (GBP)
 - GBP Interface Library Kit Source Code
- Chip Power Supply
 - Voltage: VCC- 2.85V to 5.4V
 - Consumption: 8 mA Typical, 150 mA Max - Smart Card Powered
 - Power Down Mode
 - 100 μ A Max Power Down Current
 - Power-down/Power-up by Host Command
- Additional Features
 - operating Temperature Range: 0°C to +70°C (-40°C to +85°C)
 - Package: SSOP24, QFN32
 - LED Management: The LED is On When the Card is Powered On