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## 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
- Hose 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  $\mu$ 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