profichip ®
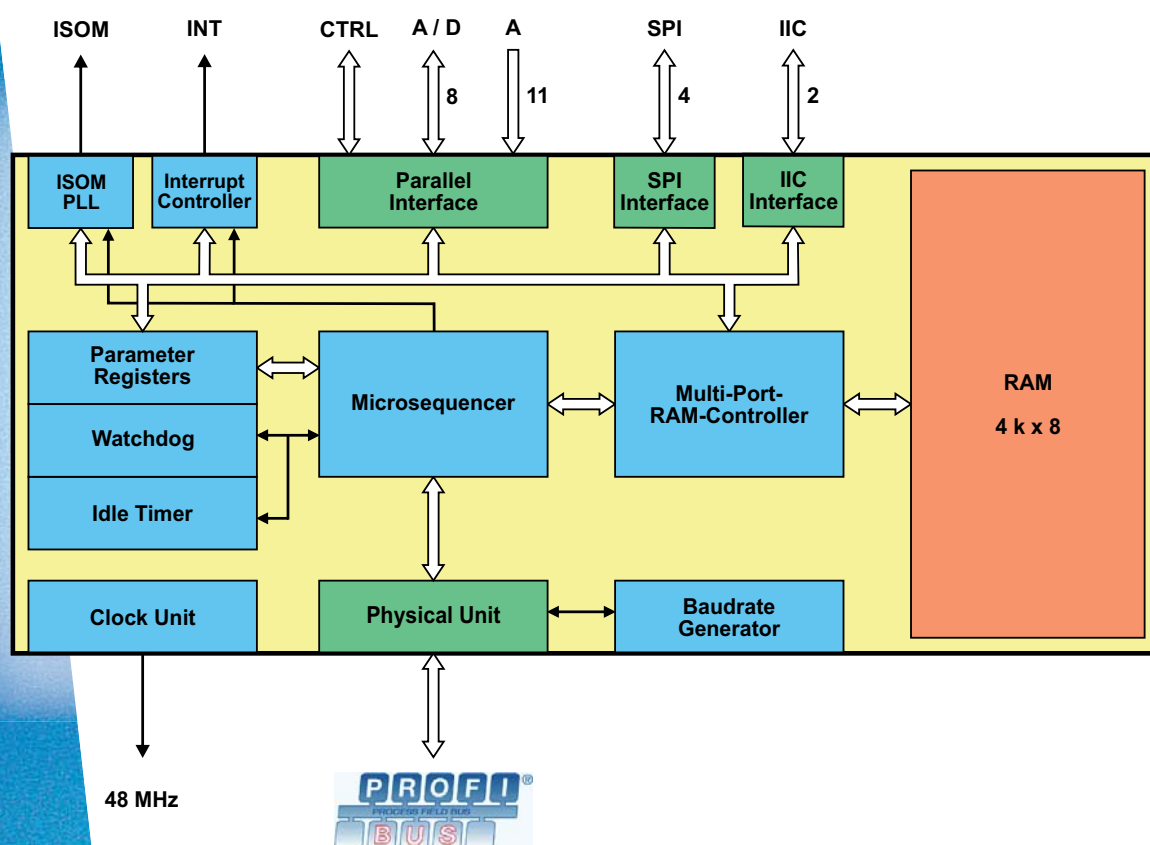## automation in silicon

WORLD´S SMALLEST

VPC3+S

PROFIBUS-DP Slave Controller
with serial Interface

- SPI, IIC, parallel-Interface
- BGA 48pin Package 6x8mm
- 4kByte communication RAM
- function and software compatible to
  VPC3+C and SPC3 from Siemens
- Supporting PROFIBUS-DP-V0,
  DP-V1 and DP-V2 protocol
- HW - PLL für DP-V2 - ISOM
- Ultra Low Power, Vcc 3.3V
- Software stack and Evaluation-Kit
- available Q2 / 2009

Profichip's VPC3+S is a communication chip with 8 Bit parallel, SPI or J²C Microprocessor interface for intelligent Profibus slave applications.

The VPC3+S handles the message and address identification, the data security sequences and the protocol processing for Profibus-DP. In addition the acyclic communication and alarm messages, described in DPV1 extension, are supported. Furthermore the slave-to-slave communication Data eXchange Broadcast (DXB) and the Isochronous Mode (IsoM), described in DPV2 extension, are also provided.

Automatic recognition and support of data transmission rates up to 12 Mbit/s, the integration of the complete Profibus-DP protocol, 4 KByte communication RAM and the flexible processor interface are features to create state-of-the-art Profibus slave applications.