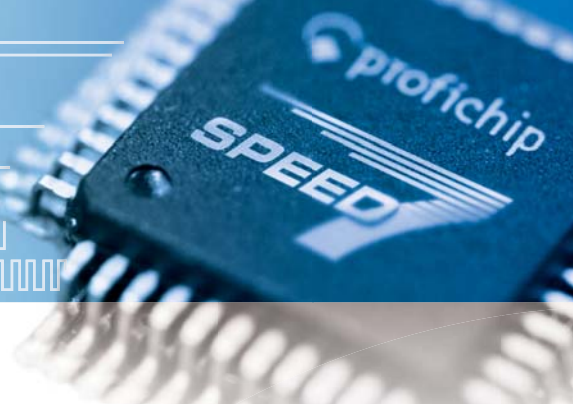




PROFIBUS-DP Slave Controller with serial Interface

VPC3+S

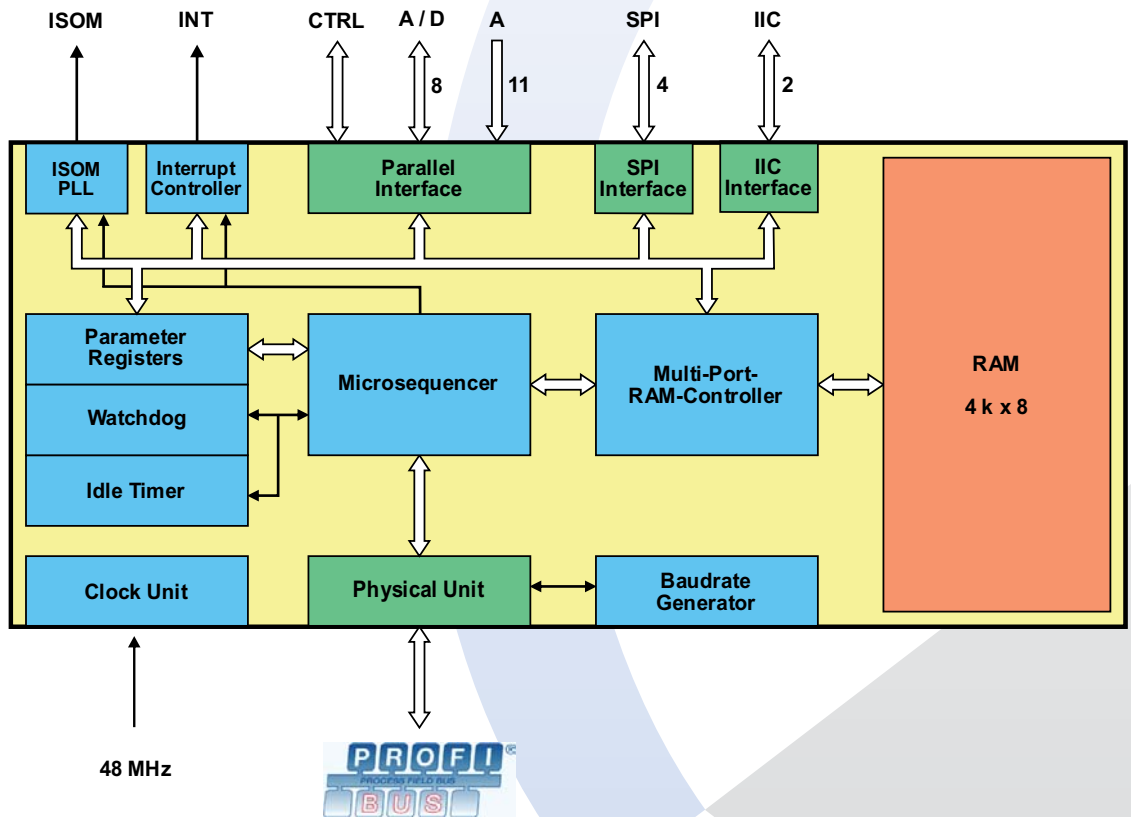
- SPI, IIC, parallel-Interface
- BGA 48pin Package 6x8mm
- 4kByte communication RAM
- Function and software compatible to VPC3+C and SPC3 from Siemens
- Supporting PROFIBUS-DP-V0, DP-V1 and DP-V2 protocol
- HW - PLL für DP-V2 - ISOM
- Ultra Low Power, Vcc 3.3V
- Software stack and Evaluation-Kit



Profichip's VPC3+S is a communication chip with 8 Bit parallel, SPI or I2C 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), Clock Synchronization 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.



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