

## SAB 83C515A-AVPC Advanced ISDN Videophone Controller



The advanced ISDN videophone controller SAB 83C515A-AVPC forms the perfect system solution with the Siemens ISDN chip set (JADE®, ISAC-S TE®, ARCOFI-SP®).

It contains firmware for the ISDN D channel protocol. It can handle the three bottom layers of the

ISO/OSI model, and meets the European EDSS1 standard. The firmware is accessed via a simple handshake mechanism.

As the D channel protocol is processed by the microcontroller, deterministic protocol response times are feasible even within multitasking systems.

- Fully software/toolset compatible to Standard 80C51/80C52 microcontrollers
- 32K Byte on-chip ROM. ROM-protected
- 256 Byte on-chip internal RAM (IRAM)
- 1024 byte on-chip extended RAM (XRAM)
- P-LCC-68
- Temperature ranges: standard 0°C to 70°C
- Complete solution for ISDN D channel signalling protocol
- Compatible with the latest ETSI recommendation (EDSS1)
- Layers 1, 2 and 3 approved by german TELEKOM (ETS 300 153, ETS 300 104)
- Automatic TEI assignment
- Windows® driver for PC applications available
- System control primitives (handshake) via easy-to-implement port interface
  - 1) D channel signalling protocol
    - user connect request/indication
    - user clear request/indication
    - keypool request
    - user bichannel indication
  - 2) Transparent ARCOFI-SP® control (speakerphone)

## SAB 83C515A-AVPC Pin Configuration

