

Enhanced ISDN Darta Access Controller PSB 7115

The ISAR 34, ISDN Data Access Controller forms an enhanced solution for ISDN applications communicating with remote ISDN as well as analog terminals. The new ISAR 34 supports modem modulation up to 33600 bit/s (V.34+), fax up to 14400 bit/s and 3 HDLC controllers. The ISAR 34 platform is upgradable to standards like modem V.PCM or audio compression G.728.

1. Potential application

- ISDN PC/Workstation Adapter
- ISDN Voice/Data Terminal
- Analog Voice/Data Modem
- Analog Videophone

2. Features:

- Modem modulation up to 33600 bit/s (V.34bis) including fallback modes
- Fax modulation up to 14400 bit/s (V.17) including fallback modes
- Bit rate adaptation according to V.110 for both B-channels (except during datamodem modulation)
- Two Channel DTMF generation and detection
- Two universal formatter supporting ASYNC (ITU-T V.14), HDLC and binary framing of data for B-channel applications
- ISDN C/I-channel and MONITOR channel handler
- IOM-2 terminal mode (1.536 MHz), line card mode (4.096 MHz)
- External memory interface to connect external program and data memory
- Supports host based (program download to external SRAM) and standalone (flash memory) applications
- Mailbox interface for host communication
- 253 byte FIFO per direction for host interface communication of B-channel data
- 3.3 V power supply
- Advanced CMOS technology

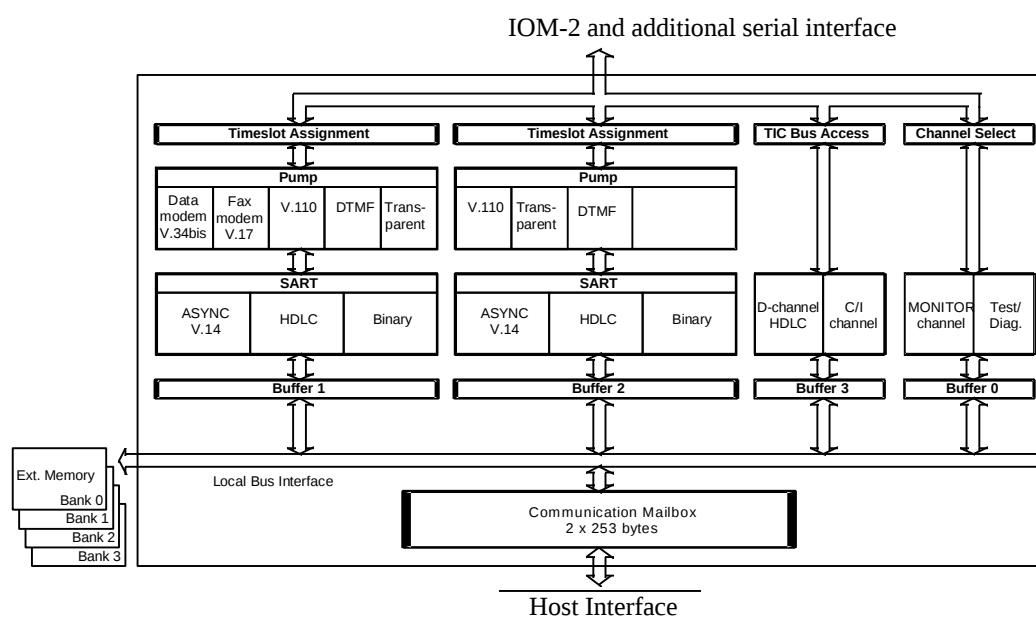
3. Packing

Type	Ordering Code	Package
PSB 7115 F V2.1	Q67101-H6749	P-TQFP-144-2

4. Product status

Product	Step	Status	Changes
PSB 7115 F	V 2.1	ES Q4/97	--

5. Diagram



6. Design-In material (Please contact our sales office for details)

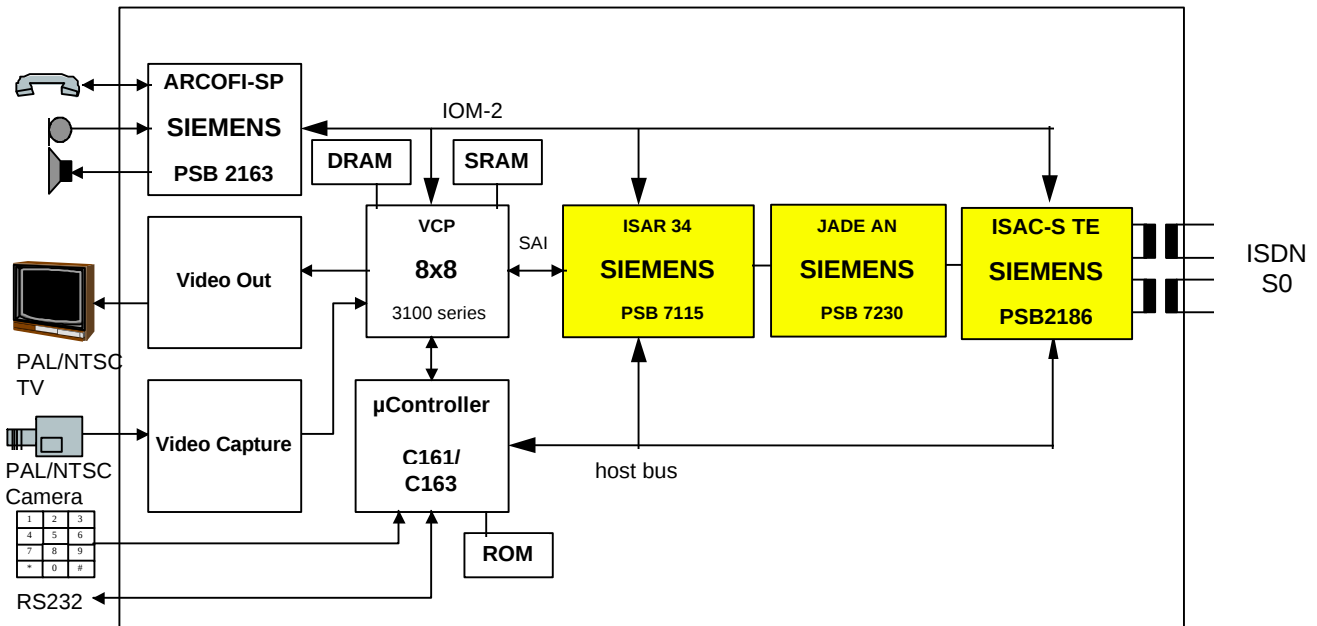
	<u>Date of issue/version</u>	<u>Type of material</u>
Product overview	7/97	Copy

7. Development Tooling

	<u>Availability</u>	<u>Ordering number</u>
SIPB7115 ISAR 34 Demo Board with S- and ALIS Interface	Q4/97	Q67220-H1053
SIPB7115 ISAR 34 Demo Board with S- and ALIS Interface, complete package	1/98 SW, β release	Q67220-H1053

8. Applications

- Standalone Videophone (H.320, H.324, compatibel)



- ISDN PC-card featuring ISDN, modem, fax

