General Description

The PEB 3035 (Primary Rate Interface Signaling and Maintenance Controller) is a two channel serial communication controller designed to support signaling and maintenance functions for T1 Primary Rate Interfaces using the Extended Superframe format ESF. The device supports the DL-channel protocol for ESF format according to T1.403-1989 ANSI specification or according to AT&T specification TR 54016, September 1989. The 8-bit parallel µP-interface fits perfectly into every Siemens/Intel 8-bit or 16-bit microcontroller system. Two serial channels can be programmed in three different clock modes to function in time-slot oriented applications, in a strobe mode or as a serial interface.

Type	Package
PEB 3035-N	P-LCC-28-1 (SMD)
PEB 3035-P	P-DIP-28-1
PEF 3035-N	P-LCC-28-1 (SMD)
PEF 3035-P	P-DIP-28-1

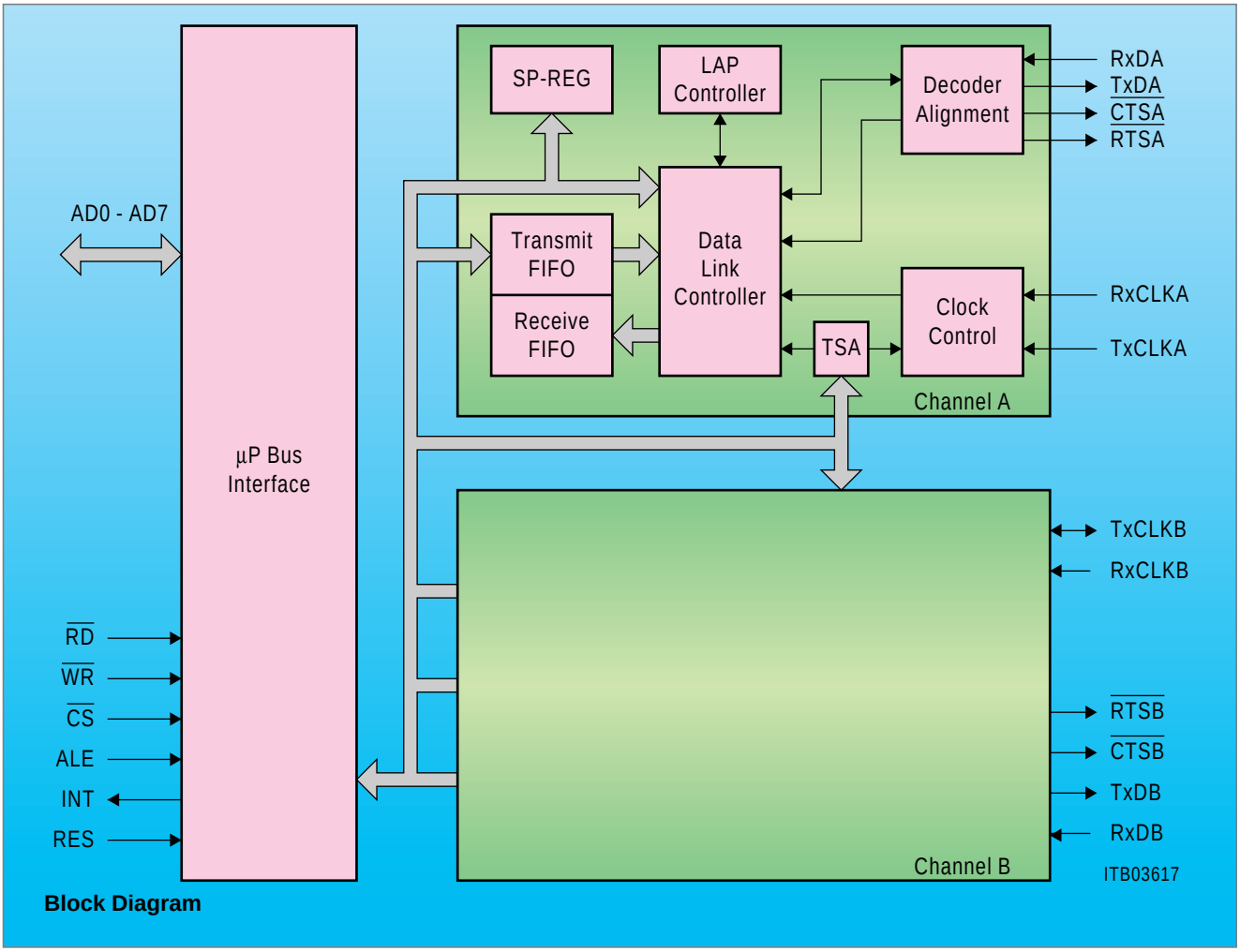
Features

Serial Interface

- Two independent signaling channels
- Programmable idle code (Flags, all ones)
- Continuous transmission of up to 32 bytes of data
- Data rate up to 4 Mbit/s

Protocol Support

- Support of ESF-DL protocol according to T1.403-1989 or according AT&T TR 54016 specifications
- Support of HDLC protocol
- Transparent mode for totally transparent data transmission and reception



Block Diagram