

General Description

The PSB 2161 ARCOFI-BA provides the Design Engineer with a cost-optimized audio, ringing, codec, filter processor solution for simple digital terminals. It offers the minimum functions necessary to develop a low-cost telephone and thus with the high flexibility by the DSP technics.

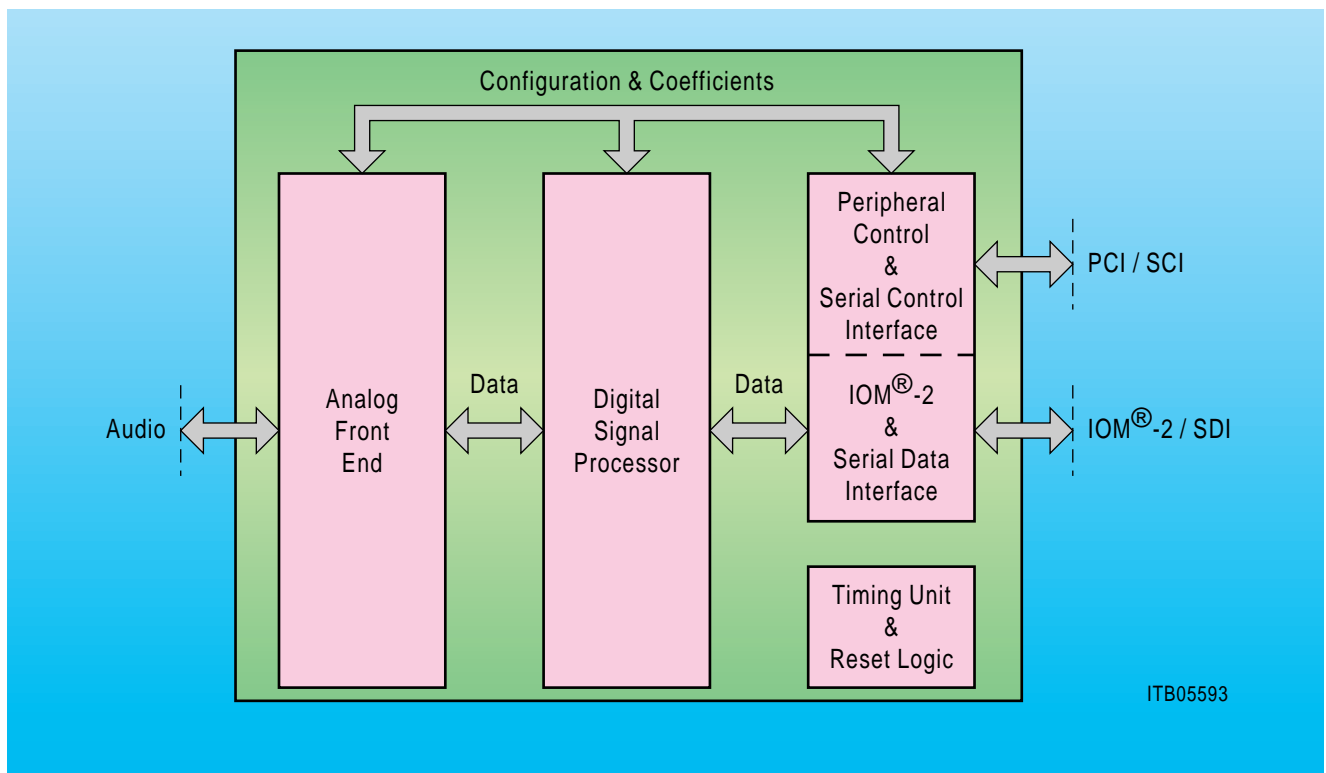
Applications

- Low-Cost Voice Terminals and Voice/Data Terminals
- Telephones with PC Interface
- Voice featured PC Cards
- Video Conference Terminals
- Fax Machines and a/b Terminal Adapter

Type	Package
PSB 2161	P-DSO-28-1 (SMD)

Features

- Programmable Analog Front End (AFE), enables direct connection of microphones, earpiece and loudspeaker
- Digital signal processing performs all CODEC functions
- Fully compatible to the G. 714 CCITT and ETSI (NET33) specification
- PCM A-Law/ μ -Law (G. 711 CCITT) and 16-bit linear data
- IOM-2 interface (TE- and non-TE-mode), Serial Control Interface (SCI) and Serial Data Interface (SDI)
- Three analog inputs: two differential, high performance inputs for microphones plus a single-ended auxiliary input
- Two differential outputs for a handset earpiece (200 Ω) and a loudspeaker (50 Ω)
- 100-mW sine wave and 200-mW square wave loudspeaker driver capability
- Separate digital output for a piezo ringer
- Flexible Peripheral Control Interface (PCI) in IOM-2 TE-mode
- Flexible DTMF, tone and ringing generator
- Single 5-V power supply
- Low power consumption: standby < 1 mW



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