

Two/Four channel Codec Filter for Terminal Applications SICOFI -2/4 TE PSB/PSF 2132/4

The SICOFI 2/4 TE for terminal applications is a special derivative of the Siemens programmable codec-filter-IC family designed for terminal applications featuring two or four POTS interfaces. It can be directly connected to the IOM-2 interface in terminal mode running at 1.536 Mhz clock rate

1. Potential application

- Terminal Adapter
- Intelligent NT
- Small PBX

2. Features:

Single chip programmable CODEC and FILTER to handle up to two/four POTS interfaces

- IOM-2 compatible interface (1.536 MHz DCL, 768 kHz Bit clock)
- Internal communication between POTS interfaces
- Programmable I/O lines for signaling information per channel
- Programmable ring generator output
- Two programmable tone generators per channel
- Serial microcontroller interface
- Digital signal processing technique
- High analog driving capability (300 Ω) for direct driving of transformers
- Programmable digital filters to adapt the transmission behaviour especially for
 - AC impedance matching
 - transhybrid balancing
 - frequency response
 - gain
 - A/ μ -law conversion
- Single 5 V power supply
- Advanced test capabilities

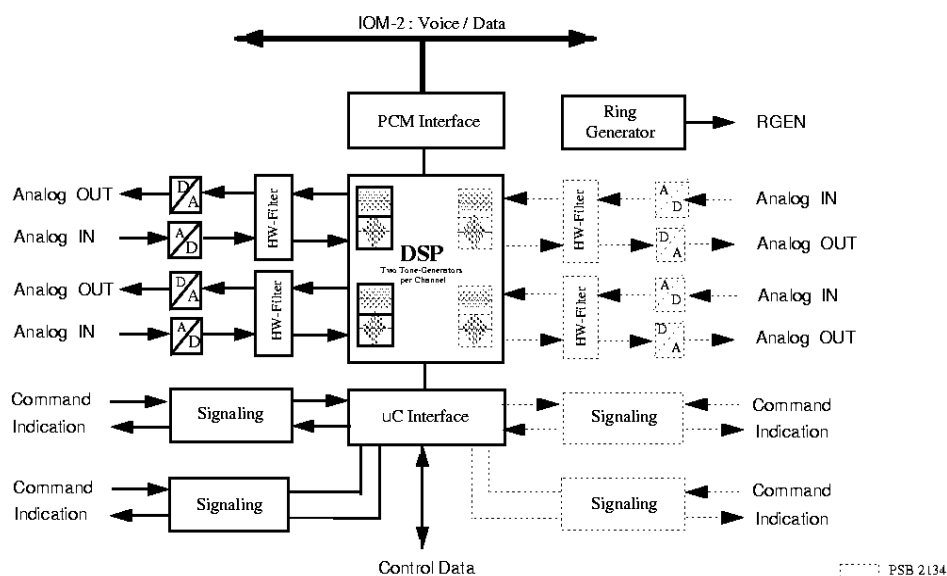
3. Packaging

Type	Ordering Code	Package
PSB 2132 H V1.2	Q67223-H1007	P-MQFP-64
PSB 2134 H V1.2	Q67227-H1006	P-MQFP-64

4. Product status

Product	Step	Status	Changes
PSB/PSF 2132/2134 H	V1.1	Prod., Delivery Release	

5. Diagram



6. Documentation (Please contact our sales office for details)

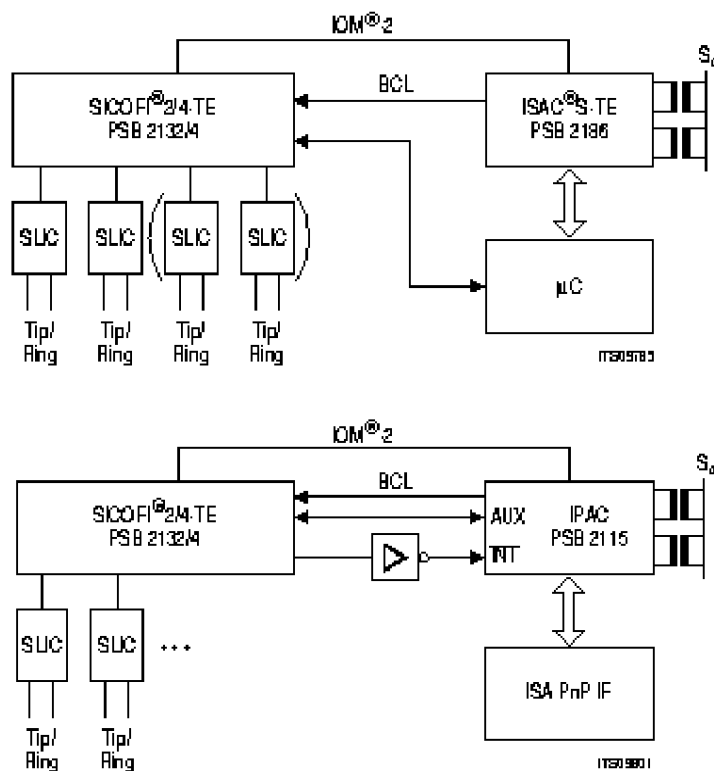
	<u>Date of issue/version</u>	<u>Type of material</u>
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7. Development and support tools

	<u>Availability</u>	<u>Ordering number</u>
SIPB 8191-SR	1Q98	
SIPB 8191-SS	1Q98	
SIPB 8191-8P	available	on request
SIPB 8191-16P	1Q98	

8. Applications

- S/T-interface applications



- U-interface and NT-applications

