

Analog Line Interface Solution ALIS Chipset PSB 4595/4596

*The ALIS is an innovative, cost-effective and **programmable modem front-end** to replace codec, transformer, hybrid, and the DAA in a state of the art modem. This two chip solution (ALIS-Analog and ALIS-Digital) covers all countries' standards with only one design. The digital capacitive interface enables modem designs to support new and emerging standards.*

1. Potential application

- International Modems and Fax
- Modems up to 56 kbit/s
- PCMCIA Modems
- modems on Motherboards

2. Features:

- Fully programmable DAA-one design worldwide
 - Programmable DC characteristics
 - Programmable Transhybrid Balancing
 - Programmable Impedance Matching
 - Programmable Receive / Transmit Level Adaptation
- Transformerless Isolation by capacitive interface
 - Supports PCMCIA
 - Best transmission ratio for new modem technologies (e.g. 56 kbit/s)
- Integration of :
 - Ring detection
 - Pulse dialing
 - DTMF generation
- Programmable Caller-ID receiver including Storage of CID (e.g. when PC is in sleep mode)
- Flexible digital interface for adaptation to different data pumps
- 16 bit linear codec, meets V.34bis and 56k modem requirements
- Programmable Symbol- and Datarate
- Single-ended analog input and output
- ALIS-A fully line-fed (tip/ring)
 - ⇒ Minimizes power consumption
 - ⇒ Wake-up function to support PC power management

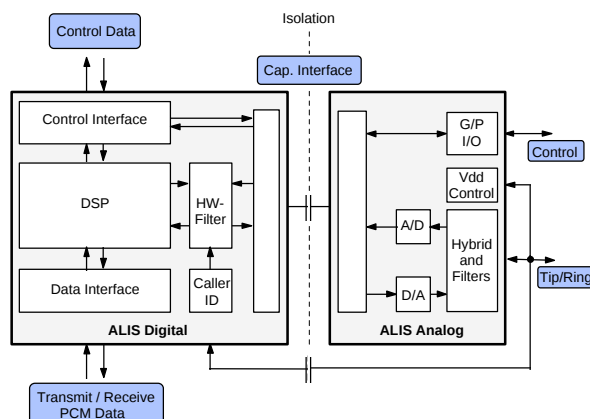
3. Packing

Type	Ordering Code	Package
PSB 4595 V2.0	Q67106-H6754	P-TSSOP-24
PSB 4596 V2.1	Q67106-H6755	P-SSOP-28

4. Product status

Product	Step	Status	Changes
PSB 4595/4596	V2.0/V2.1	ES available	--

5. Diagram

PSB 4595 (Analog)
PSB 4596 (digital)


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

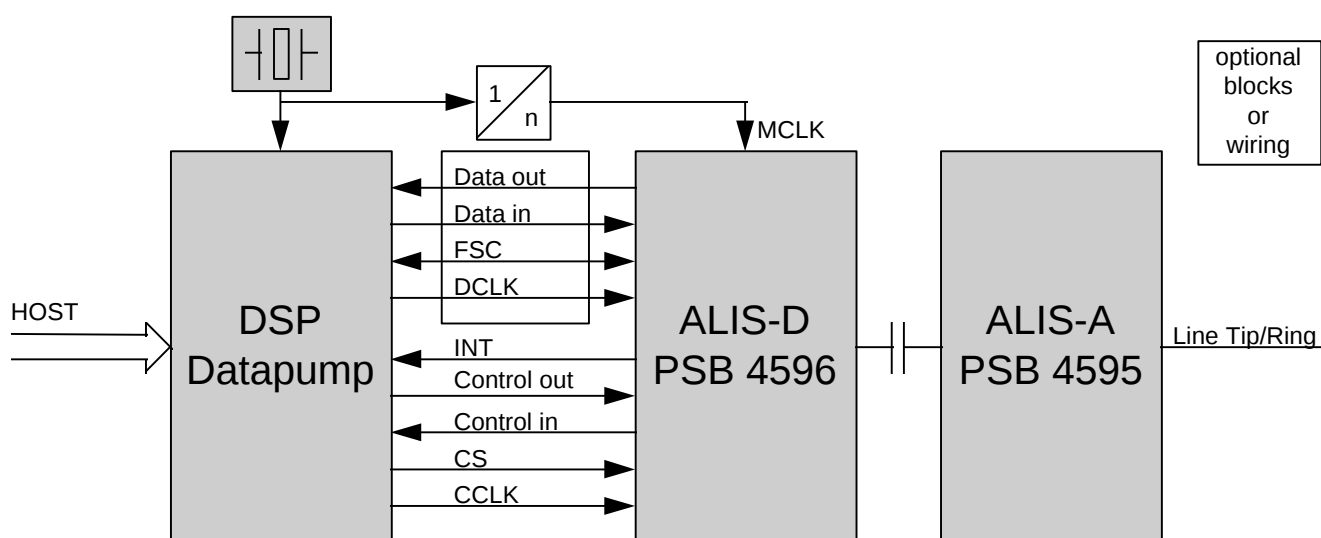
	<u>Date of issue/version</u>	<u>Type of material</u>
ALIS PSB 4595/4596 Prod. Overview	08/97	Copy, PDF File
ALIS PSB 4595/4596 User's Manual	04/97	Copy, PDF File

7. Development and support tools

	<u>Availability</u>	<u>Ordering number</u>
ALIS Reference Board SIPB 4595	available	Q67220-H1014
ALIS Evaluation Board SIPB 45900	available	Q67220-H1014
ALISCOS Software	included in Board packages	

8. Applications

• DSP-based Modem Solution



• Software-based Modem Solution

