CONEXANT ™

SocketModem™ Family

World Class Modem Solutions Without Confusion

Conexant's SocketModem family of pin-to-pin compatible modules allow OEMs to integrate a wide range of modem functions and speeds into any product platform — without the high-tech modem confusion.

Utilizing a variety of SocketModem modules, system designers can now easily integrate multiple data, fax, and voice modem features, within a single design. The small size of these modem engines (1" x 2.5") makes them ideally suited for use wherever users demand remote communications.

Conexant's SocketModems serve a variety of communication applications and are easy to install. Simply plug in a Conexant SocketModem to provide functionality for network servers, vending/gaming machines, telephony peripherals, television set-top boxes, remote monitoring, alarm, diagnostic, measurement or control systems, and other embedded applications.

Instant Market Access And Unlimited Flexibility

SocketModems are available in speeds ranging from 14,400 bps data modems to 56,000 bps modems supporting high-speed fax (14,400 bps), voice functions, error correction, data compression, and speakerphone features. And Conexant's SocketModems are easily upgradeable in production, or in the field.
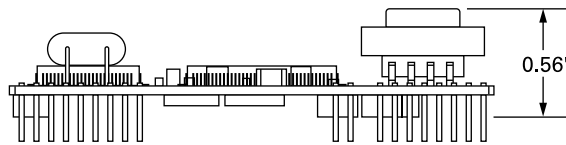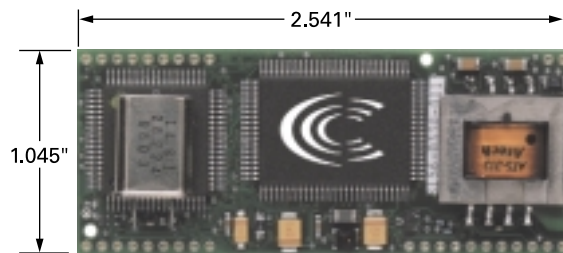

Distinguishing Features

• Complete modem solution (includes on-board DAA, controller, and memory)

• Interchangeable designs

• Compact size

• Proven component layout

• World class options
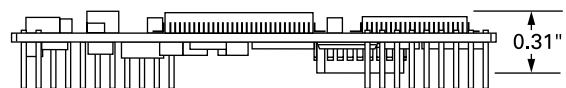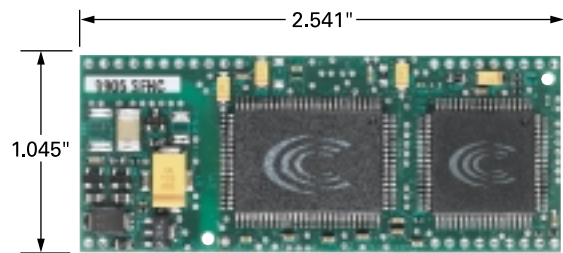
SocketModem Family

Global Connectivity

Conexant's SocketModems include all the features necessary to add a state-of-the-art modem to any system application. SocketModems are available with DAAs included for use in the USA and Canada, and in m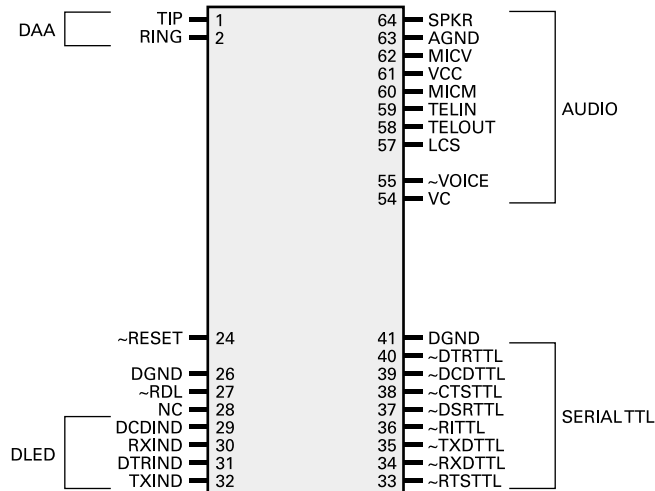ost European countries. SocketModems configured for Europe contain DAAs that have passed CTR-21/TBR-21 certification and are ready for immediate use. All SocketModems have long-term design support available from Conexant's worldwide technical support centers.

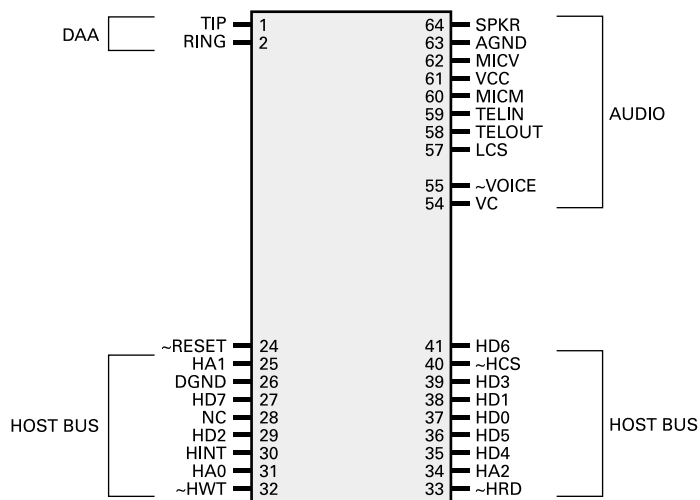**SF56D/SP, SF336D/SP, SF144D/SP SocketModem (U.S. versions)**

SF56D/SP, SF336D/SP, SF144D/SP SocketModem (world class versions)

SF56D/SP, SF336D/SP, SF144D/SP Serial TTL pinout

Notes: Pins 3-23, 25, 42-53, and 56 are not installed.

SF56D/SP, SF336D/SP, SF144D/SP Parallel pinout

Notes: Pins 3-23, 42-53, and 56 are not installed.

What is a SocketModem?

Modems incorporate analog signal acquisition and conversion, digital signal processing, and protocol elements that must adhere to strict ITU communications standards. Conexant's SocketModems are based on our most popular modem device sets and include the required circuitry to create a compact, ready-to-use design — an attractive solution for many of today's challenging communications problems. A Conexant SocketModem is a complete solution that performs all modem functions on-board, and is ready for any challenge.

Features and Benefits:

• Interchangeable
  – Speeds from 14.4 Kbps to 56 Kbps

• Complete solution
  – Just add RJ-11 and three discrete components

• Space efficient
  – Entire modem subsystem on one 1" x 2.5" module

• Proven component layout
  – No concerns about modem performance or chip-level design

• Ideal for build-to-order
  – Populate as required

• UL1950 Ed.3 and FCC Part 15 & 68 compliant (US/Canadian models)

• CTR-21/TBR-21 approved (world class models)
  – Eases international approval process

	SF144D/SP Family	SF336D/SP Family	SF56D/SP Family
Max. Data Speed Available	14,000	33,600	56,000
Max. Fax Speed Available	14,000	14,400	14,400
Voice Support	standard	standard	standard
Error Correction/			
Data Compression			
V.42 LAPM, V.42bis, MNP2-5	standard	standard	standard
MNP® 10	standard	standard	standard
MNP 10EC™	standard	standard	standard
Command Sets			
Enhanced AT	standard	standard	standard
Fax Class 1 (EIA/TIA 578)	standard	standard	standard
Fax Class 2 (defacto)	standard	standard	standard
Voice Commands	standard	standard	standard
Line Interface			
On-board DAA			
for US and Canada	standard	standard	standard
European	option	option	option
Host Interface			
TTL serial (T),			
or 16550 Parallel (P5)	T or P5	T or P5	T or P5
LED Indicator Drivers	standard	standard	standard
(serial Host Interface only)			

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What's next in communications technologies

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