Product Specifications

BOCA RESEARCH

Product Code: SE34SRS
Product Name: *SoundExpression 28.8 SRS*

VoiceView Compatible

Plug and Play!

The Plug-and-Play compatible SE34SRS provides a digital sound controller for PC sound applications as well as a CD-ROM interface and full-duplex speakerphone capability, integrated with a 28.8Kbps internal modem for high-speed data and 14.4Kbps fax communications. This unique design offers multiple functionality all in a single-board solution and is based on Rockwell's RCV288ACi(SP) chipset.

The Sound Modem also supports **SRS** (●) Sound Retrieval System. SRS is rapidly becoming the standard for 3D audio technology. It creates a three-dimensional sound image from any audio source with only two conventional stereo speakers.

SRS Sound Retrieval System!
Enjoy 16-bit Multimedia Stereo Sound for business or entertainment.

Data!
High-speed 28.8Kbps data modem with throughput up to 57.6Kbps for quick file transfers and access to on-line services.

Fax!
Convenient 14.4Kbps send and receive fax right from your desk.

Voicemail!
Answers your phone, takes messages, and enhances your business's image.

Full-Duplex Speakerphone!
"Hands-free" operation allows you to be more productive.

Summary of Features
Audio:

♦ Integrated sound controller compatible with Sound Blaster Pro, Ad Lib, and Microsoft Windows Sound System
♦ 8- or 16-bit mono and stereo sound
♦ Sample rates up to 44.1KHz
♦ Built-in sound blaster-compatible digital audio processor
♦ Software-configurable I/O address, IRQ, DMA Channel
♦ IDE CD-ROM drive interface
♦ Software enable/disable of game (joystick) port
♦ Low-cost 16-bit audio
♦ Unique 2-in-1 combination of data communications and audio applications

Modem:

♦ **Modem data rate**: 28.8K, 14.4K, 12K, 9600, 7200, 4800, 2400, 1200, or 300bps
♦ **Fax data rate**: 14.4K, 12K, 9600, 7200, 4800, or 2400bps
♦ **Audio data rate**: 11.025K, 7200 samples per second.
♦ **Full-duplex speakerphone/Echo Cancellation**
♦ **Protocol compatibility**: V.34, V.32bis, V.32; V.42/MNP2-4 and V.42bis/MNP5 support; V.22, V.22bis; Bell 212A, 103; V.17, V.29, V.27ter, V.21 channel 2, EIA-578 Service Class 1 and 2 commands.

Interfaces and Addresses

Sound Blaster:
Addresses: 220, 240
IRQ: 5, 7, 10
DMA: 0, 1, 3

Windows Sound System	**IDE CD-ROM**
Addresses: 530, E80, F40, 604	Address: 170
IRQ: 7, 9, 10, 11	IRQ: 15
DMA: 0, 1, 3	

MPU-401 Interface
Addresses: 300, 310, 320, 330; IRQ: 2/9, 5, 7

Default Configuration

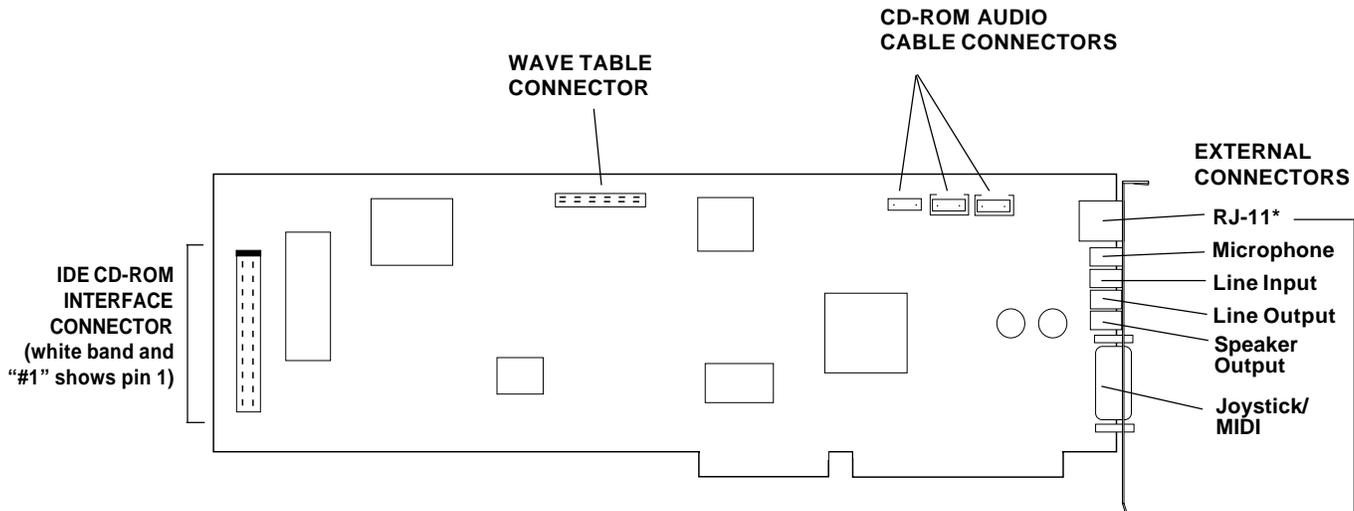|	
Mode:	Sound Blaster
Interrupt:	5
DMA Channel:	1
I/O Port Address:	220h
CD-ROM interface:	None
Modem:	COM2/IRQ3

Physical and Electrical Characteristics

♦ Dimensions: 13.4" x 4.2" (board)
♦ Weight: 3.4 lbs.
♦ Power: +5V, 1.2 watts (maximum)
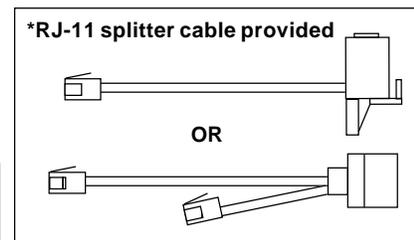   +/- 12V, 0.5 watts (maximum)

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WAVE TABLE
CONNECTOR

CD-ROM AUDIO
CABLE CONNECTORS

EXTERNAL
CONNECTORS

IDE CD-ROM
INTERFACE
CONNECTOR
**(white band and
"#1" shows pin 1)**

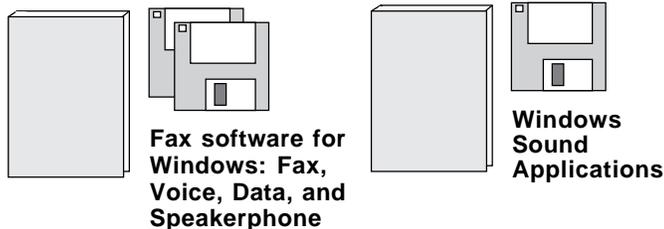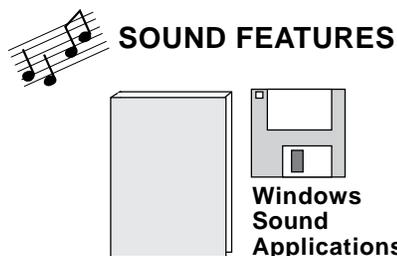RJ-11*
Microphone
Line Input
Line Output
Speaker
Output

Joystick/
MIDI

Physical and Electrical Characteristics

- Dimensions: 13.4" x 4.2"
- Power: +5V, 1.2 watts (maximum)
  +/- 12V, 0.5 watts (maximum)

*RJ-11 splitter cable provided

OR

Software and Documentation Included

Boca
Research
SE34SRS
Installation

**SE34SRS
Driver and
Utilities**

MODEM FEATURES

**Fax software for
Windows: Fax,
Voice, Data, and
Speakerphone**

SOUND FEATURES

**Windows
Sound
Applications**

**Windows
Sound
Applications**

System Requirements

- IBM-compatible computer models 386 DX/33, 486, Pentium
- 4MB RAM minimum
- VGA or SVGA display
- 15MB of free hard disk space for installing software
- Windows 3.1 (if you intend to run games and applications in Windows)
- DOS 5.0 or later
- 15-pin joystick cable or MIDI cable (if running games/MIDI)