

# DALLAS

SEMICONDUCTOR

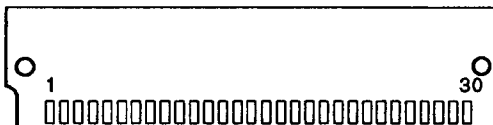
## DS2245

Soft Modem Stik

### FEATURES

- Bell 212A/103 and CCITT V.22bis/V.22/V.21
- Full-duplex operation at 2400, 1200 and 300 bps
- Familiar AT command set
- FCC Part-68 pre-certified when used w/DS2249 DAA
- Teleservicing mode allows reloading/monitoring of DS2250 Soft microcontroller Stik
- Provides remote software updates without host cooperation
- Generates and interprets DTMF tones
- Auto-answer and Originate modes
- Parallel interface connects to PC or other bus
- Reprogrammable with firmware upgrades
- +5V operation
- Low power operation consumes under 400 mW
- Extremely small form factor
- 30-pin SIMM connection scheme

### PACKAGE OUTLINE



### ORDERING INFORMATION

DS2245-12U	1200 BPS U.S. ONLY
DS2245-24	2400 BPS INT'L.

### PIN NAMES

1	CP.2	16	D7
2	CP.1	17	D6
3	OH	18	WR
4	RI	19	D5
5	SPEN	20	RD
6	CP.3	21	AIN
7	CP.0	22	NC
8	D4	23	A2
9	D3	24	A1
10	D2	25	A0
11	D1	26	OUT1
12	VCC	27	UR
13	D0	28	AOUT
14	GND	29	INT
15	CS	30	PROG

### DESCRIPTION

The DS2245 Soft Modem Stik is a data communication subsystem which forms a complete 2400/1200/300 bps modem when combined with the DS2249 DAA. The DS2245-24 supports V.22bis, V.22, V.21 as well as Bell 212A and 103. The DS2245-12U supports the latter Bell standards only. In addition to industry-standard, AT-type commands, the DS2245 provides decoding of incoming DTMF tones. This allows a host system to accept com-

mands from a remote site where a modem is not available. A unique Teleservicing mode allows a central location to dial up a remote system and examine, edit, or reload the program/data memory contents of that system. The DS2245 is designed for embedded applications that benefit from communication with the outside world, and for which a familiar AT command set is desired.