FULL DATA SHEET AVAILABLE - CALL 214-450-3836

DALLAS
SEMICONDUCTOR

DS2264
DS2268
ADPCM Stik

FEATURES

- Provides four channels (DS2264) or eight channels (DS2268) of parallel full-duplex ADPCM processing in a pre-fabricated, snap-in module

- Based on the DS2167Q or DS2165Q ADPCM Processor Chip which implements the T1.301 and CCITT G.721 recommendations

- Occupies only 2 square inches of board space

- Conforms to popular JEDEC standard 35 position single in-line connector

- Easily cascadable up to 64 full-duplex channels in multiples of four or eight

- Both A-law and U-law compatible

- Utilizes serial interface port for microprocessor control of timeslot assignments

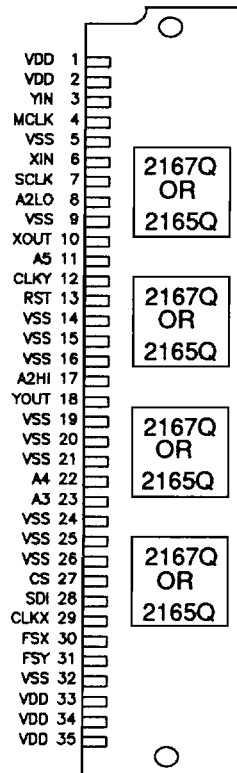- Includes onboard buffers for all critical signals

PIN DESCRIPTION

(actual size)

ORDERING INFORMATION

4 channels with DS2167Q	DS2264
8 channels with DS2167Q	DS2268
4 channels with DS2165Q	DS2264 - EXP
8 channels with DS2165Q	DS2268 - EXP

DESCRIPTION

The DS2264 and DS2268 ADPCM Stiks are complete, pre-fabricated cards that perform either four or eight channels of full-duplex ADPCM processing. The ADPCM algorithm compresses 64Kbps voice data to either 32Kbps, 24Kbps, or 16Kbps. The DS2264 is only populated on one side and offers four channels while the DS2268 is populated on both sides of the Stik and offers

eight channels. Control of the Stiks is handled by an external microcontroller via a serial port. Both Stiks are based on the DS2167Q or DS2165Q ADPCM Processor Chips. Specific details on the DS2167Q and DS2165Q can be found in their respective data sheets.

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