



MOTOROLA

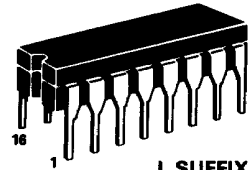
Product Preview

ADPCM Transcoder Conforms to G.721 and T1.301-1987

The MC145532 Adaptive Differential Pulse Code Modulation (ADPCM) Transcoder provides a low-cost, full-duplex, single-channel transcoder to (from) a 64 kbps PCM channel from (to) either a 16 kbps, 24 kbps, 32 kbps, or 64 kbps channel.

- Complies with CCITT Recommendation G.721 (Geneva 1986)
- Complies with the American National Standard (T1.301-1987)
- Full-Duplex, Single-Channel Operation
- μ -Law or A-Law Coding is Pin Selectable
- Synchronous or Asynchronous Operation
- Easily Interfaces with Any Member of Motorola's PCM Codec/Filter Mono-Circuit Family or Other Industry Standard Codec
- Serial PCM and ADPCM Data Transfer Rate from 64 kbps to 5.12 Mbps
- Power Down Capability for Low Current Consumption
- The Reset State, an Option Specified in the Standards, is Automatically Initiated When the RESET Pin is Released
- Simple Time Slot Assignment Timing for Transcoder Applications
- Single 5-Volt Power Supply
- 16-Pin Package

MC145532



L SUFFIX
CERAMIC
CASE 620

PIN ASSIGNMENT

MODE	1	18	V _{DD}
DDO	2	15	EDO
DOE	3	14	EDE
DDC	4	13	EDC
DDI	5	12	EDI
DIE	6	11	EIE
RESET	7	10	SPC
V _{SS}	8	9	APD

BLOCK DIAGRAM

