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## Multi-Channel AV Control Center IC

**PT2320**

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### DESCRIPTION

PT2320 is a Modern Multi-Channel AV Control Center IC. Eight group input selectors (seven stereo inputs & one 6-channel individual input), 4 video inputs, 6-channel master volume control, 6-channel individual volume trim control, 3-band tone control (treble, middle, and bass), recording output, selector output, mute function, 3D effect function, tone defeat function are all built into a single chip to provide a Comprehensive and Complete AV Center IC having the highest performance and reliability with the least components. Furthermore, the pin assignments and application circuit are optimized for easy PCB Layout and cost saving benefits. Housed in 100 pins, QFP Package, PT2320 is the ultimate answer to your every audio/video system needs.

### FEATURES

- Very Low Power Consumption (DC=9V)
- I<sup>2</sup>C Bus Control
- 8 Group Input Selectors (One 6-Channel Individual Input and 7 Stereo Input)
- 4 Video Input Selectors
- 6-Channel Master Volume Control: 0 to -79 dB (1 dB/step)
- 6-Channel Individual Output TRIM Volume Control: 0 to -15 dB (1dB/step)
- 3-Band Tone Control (Treble, Middle, Bass):  $\pm 14$ dB , 2dB/step
- Recording Output, Mute Function, Selector Output
- 3D Effect Function
  - Tone Defeat Function
- Low Noise
- High Channel Separation
- Low Harmonic Distortion
- Least External Components
- Easy to Use
- Available in 100-pin, QFP Package

### APPLICATIONS

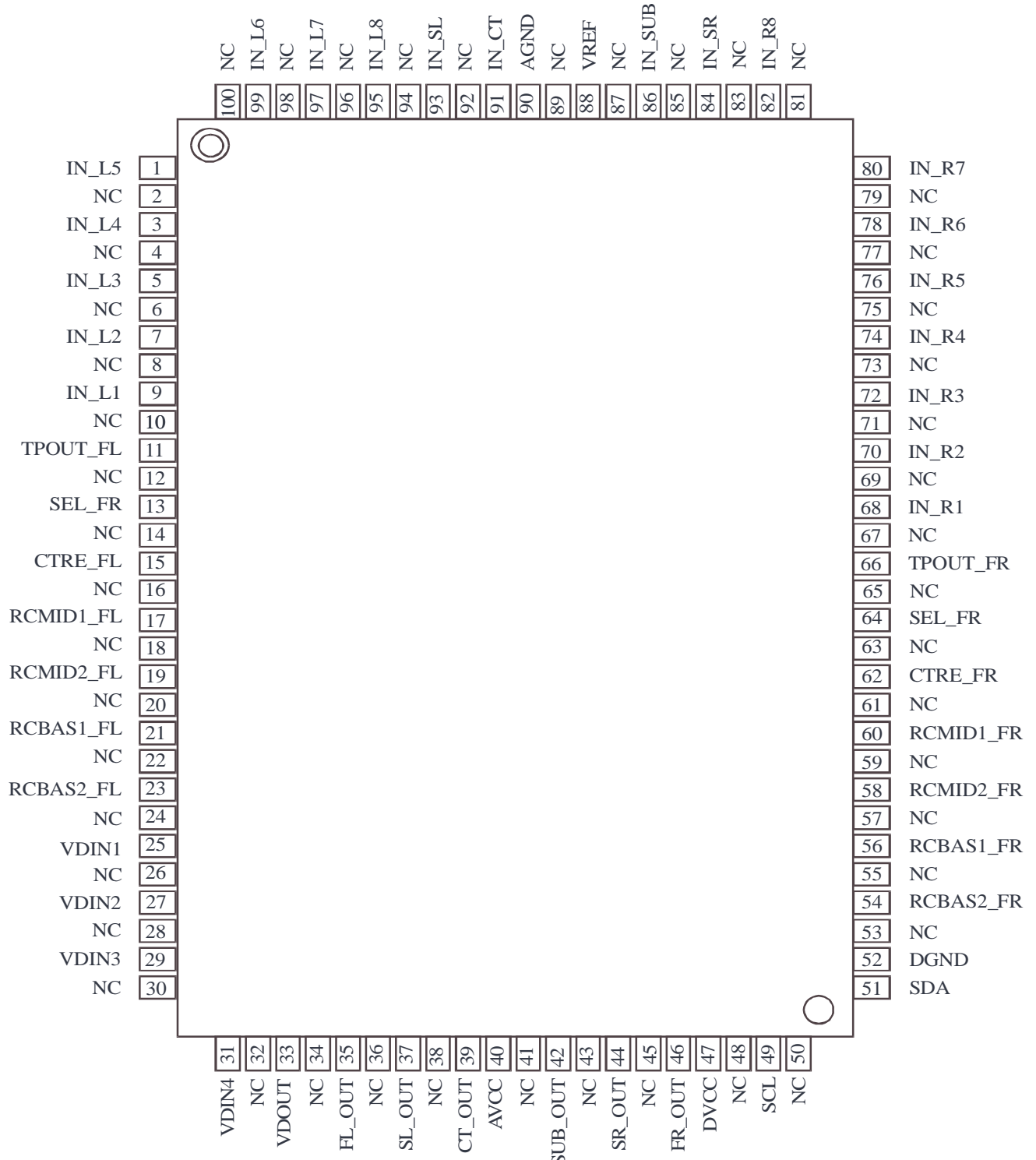
- Audio/Video System
- Multi-Media Speakers
- TV System
- PC Audio
- AC3 Amplifier System



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PIN CONFIGURATION





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APPLICATION CIRCUIT

