





## CX24109 Features

- Zero-IF architecture eliminates the need for image reject filtering
- Integrated LNA
- Integrated LO with onboard VCO and synthesizer
- Single +5V supply
- Oscillator output for demodulator

## CX24109 Applications

- DBS set-top boxes
- Commercial digital video, audio and data receivers
- Digital VCRs

## CX24121 Features

- DVB/DSS/DCII-compliant
- Symbol rates 10 to 32 Msps
- 6-bit Analog-to-Digital Converters (ADCs)
- Internal PLL so that only a single low-frequency crystal or clock is required
- 4-bit soft decision
- Digital matched filtering
- Multirate decimation filter
- Automatic acquisition
- Internal carrier and bit-timing recovery
- Internal SNR and BER monitors
- DiSEqC™ Level 1.2 LNB control
- Power-down mode
- Boundary scan test function
- Carrier tracking:  $\pm 5$  MHz
- Quadrature equalization compensation:
  - 3.0 dB gain imbalance with 13-degree phase offset
- Low-power design
- Serial or parallel output data interface

## CX24121 Applications

- DVB/DSS/DCII set-top and PC receivers
- Residential gateways

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