

**Digital Signal Processor IC for CD-ROM Drive
(with Digital Servo, DAC,
ATAPI I/F CD-ROM Decoder, 1M-bit DRAM)**

CXD3022R

Description

The CXD3022R is a 32× speed super 1-chip digital signal processor IC for CD-ROM drives. It is equipped with digital servo, 1-bit DAC, ATAPI I/F CD-ROM decoder, and 1M-bit DRAM, in addition to CD signal processor.

Features

CD-DSP, ATAPI I/F CD-ROM decoder, and 1M-bit DRAM are integrated on a single chip. Adoption of 144-pin package enables simplification of substrate and reduction of the number of parts.

Applications

CD-ROM drives

Recommended Operating Conditions

(Preliminary)

- Supply voltage V_{DD} 3.8 to 4.0 V
- Operating temperature T_{opr} -20 to +55 °C

Block Diagram

(144-pin LQFP)

See the separate sheet

