

155/622 Mbps Clock & Data Recovery for Optical Fiber Communication Receiver **CXB1805AQ**

Description

The CXB1805AQ integrates the 3R functions (Re-shaping, Re-generating, Re-timing) needed for optical fiber communication receiver onto a single chip, making it suitable for SDH/SONET and ATM applications. This IC is also equipped with a signal interruption alarm output, and can discriminate whether data is input.

Features

- PLL
- Single 3.3 V power supply
- Small package: 40-pin plastic QFP

Applications

- SDH/SONET (STM-1, 4/OC-3, 12)
- ATM: 155/622 Mbps

Recommended Operating Conditions

- Supply voltage $V_{CC}-V_{EE}$ $3.3 \pm 5\%$ V
- Operating temperature T_a -40 to $+85$ °C

Block Diagram

(40-pin QFP)

