

Low Power T1 Analog Interface

Features

- Provides Analog T1 Line Interface
- Low Power Consumption (normally 180 mW)
- EXPERT *Pulse*™ Programmable Pulse-Shaping Line Driver
- Provides Receiver AMI-to-TTL Buffer Which Compliments Digital Gate Array Clock-Recovery Circuits
- Driver Performance Monitor
- Minimal External Components

General Description

The CS6152 combines the analog transmit and receive line interface functions for T1 system interface in one device. The T1 analog interface operates from a 5 Volt supply, and is transparent to the T1 framing format. Crystal's EXPERT *Pulse*™ circuitry shapes the transmit pulse internally, providing the appropriate pulse shape at the DSX-1 cross-connect for line lengths ranging from 0 to 655 feet. The device provides the ideal front-end to digital gate array based clock recovery circuits.

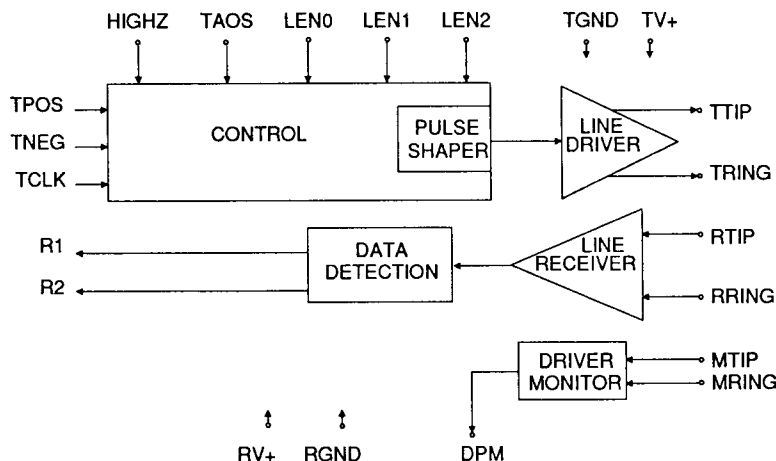
Applications

- Interfacing Network Equipment such as Multiplexors, Channel Banks and Switching Systems to a DSX-1 Cross Connect.
- Interfacing Customer Premises Equipment such as PABX's, T1 Multiplexors, Data PBX's and LAN Gateways to a Channel Service Unit or T1 modem.

ORDERING INFORMATION

CS6152A-IP - 24 Pin Plastic, 300 mil DIP
CS6152-IL - 28 Pin J-lead PLCC

Block Diagram



Preliminary Product Information

This document contains information for a new product. Crystal Semiconductor reserves the right to modify this product without notice.