

Description

The μ PD98201GF is a communications LSI used for four-wire, full-duplex communications between digital line subscribers in a private communications network. It conforms to the ISDN standards for basic access. Two 64 kb/s voice channels (B-channels) and one 16 kb/s data channel (D-channel) are provided in this LSI to enable 2B + D transmission.

Features

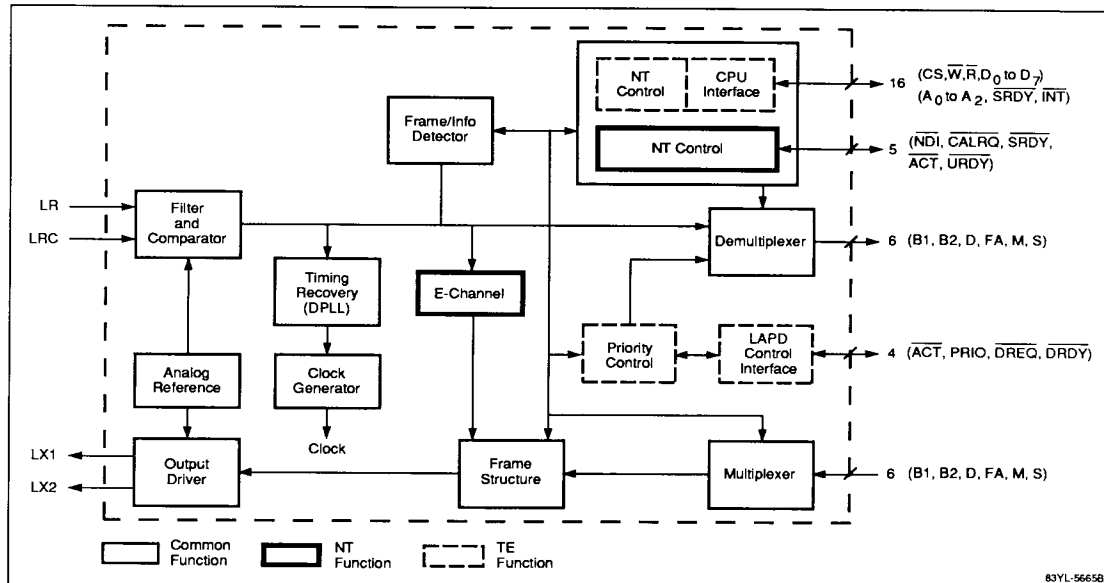
- Conforms to CCITT 1.430 (1986 version)
- Four-wire, full-duplex communications (basic access)
- Interface structure: 2B + D (B = 64 kb/s, D = 16 kb/s)
- Form of wiring and the length of wiring
 - Point-to-point: 1000 m
 - Point-to-multipoint (Up to a maximum of eight terminals)
 - Short passive bus: 100 to 200 meters
 - Extended passive bus: 500 meters

- Transmission code: AMI code
- Competitive control and priority control functions built-in
- State sequence control and indication functions
- Loopback test function
- Multi-framing capability
- Master (NT) or slave (TE) modes
- Drivers and receivers built-in
- One-chip CMOS monolithic ICs
- + 5 V single power supply

Ordering Information

Part Number	Package
μ PD98201GF	64-pin plastic QFP

Block Diagram



10