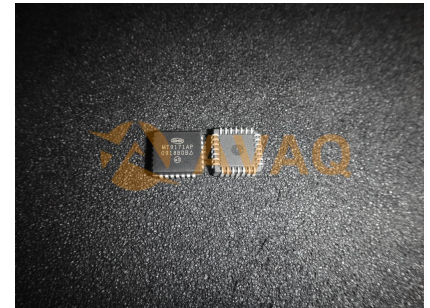



Digital Subscriber Interface Circuit 160Kbps 28-Pin PLCC Tube



Images are for reference only

[Inquiry](#)

Manufacturer:	Microchip Technology, Inc
Package/Case:	PLCC28
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

General Description

The MT9171 (DSIC) and MT9172 (DNIC) are pin for pin compatible replacements for the MT8971 and MT8972, respectively. They are multi-function devices capable of providing high speed, full duplex digital transmission up to 160 kbps over a twisted wire pair. They use adaptive echo-cancelling techniques and transfer data in (2B+D) format compatible to the ISDN basic rate. Several modes of operation allow an easy interface to digital telecommunication networks including use as a high speed limited distance modem with data rates up to 160 kbps. Both devices function identically but with the DSIC having a shorter maximum loop reach specification. The generic DNIC will be used to reference both devices unless otherwise noted. Typical Applications Digital subscriber lines High speed data transmission over twisted wires Digital PABX line cards and telephone sets 80 or 160 kbps single chip modem

Key Features

- Full duplex transmission over a single twisted pair
- Selectable 80 or 160 kbps line rate
- Adaptive echo cancellation
- Up to 3 km (9171) and 4 km (9172)
- ISDN compatible (2B+D) data format
- Transparent modem capability
- Frame synchronization and clock extraction
- ZARLINK ST-BUS compatible
- Low power (typically 50 mW), single 5 V supply

Application

- Digital subscriber lines
- High speed data transmission over twisted wires
- Digital PABX line cards and telephone sets
- 80 or 160 kbps single chip modem



Recommended For You

MI88L85AN

Microchip Technology, Inc
SSOP24

MI88L85ANI

Microchip Technology, Inc
SSOP

MI8870DS

Microchip Technology, Inc
SOP

MI3271BE

Microchip Technology, Inc
DIP8

MI8888CE

Microchip Technology, Inc
DIP20

MI8889CE

Microchip Technology, Inc
DIP

MI88L70AS1

Microchip Technology, Inc
SOP

MI88L89AS

Microchip Technology, Inc
SOP20

MI88L70AN

Microchip Technology, Inc
SSOP20

MI8870DE

Microchip Technology, Inc
DIP18

MI8888CS

Microchip Technology, Inc
SOP20

MI8888CS1

Microchip Technology, Inc
SOP20

MI3270BE

Microchip Technology, Inc
DIP8

MI8870DS1

Microchip Technology, Inc
SOP

MI88E43BSR1

Microchip Technology, Inc
SOP-24