


## Digital Subscriber Interface Circuit 160Kbps 24-Pin SSOP Tube



Images are for reference only

[Inquiry](#)

<b>Manufacturer:</b>	<a href="#">Microchip Technology, Inc</a>
<b>Package/Case:</b>	SSOP24
<b>Product Type:</b>	Communication & Networking ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active

### General Description

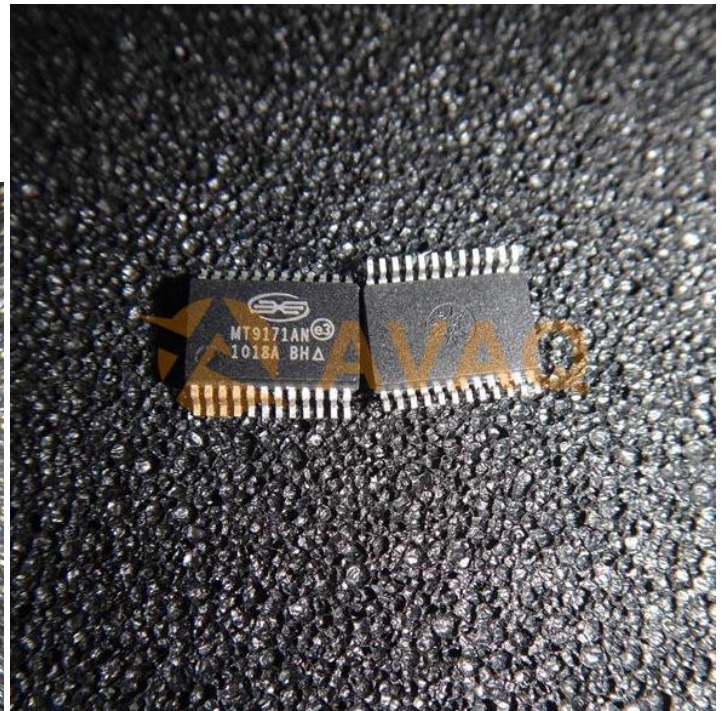
The MT9171 (DSIC) and MT9172 (DNIC) are pin for pin compatible replacements for the MT8971 and MT8972, respectively. They are multi-function devices capable of providing high speed, full duplex digital transmission up to 160 kbps over a twisted wire pair. They use adaptive echo-cancelling techniques 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

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### **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**

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### **MI88E43BSR1**

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SOP-24