

**Features**

- CCITT I.430 and ANSI T1.605 S/T interface
- Full-duplex 2B+D, 192 kbit/s transmission
- Link activation/deactivation
- D-channel access contention resolution
- Point-to-point, point-to-multipoint and star configurations
- Master (NT)/Slave (TE) modes of operation
- Exceeds loop length requirements
- Complete loopback testing capabilities
- On chip HDLC D-channel protocoller
- 8 bit Motorola/Intel microprocessor interface
- Controllerless or microprocessor-controlled operation
- Mitel ST-BUS interface
- Low power CMOS technology
- Single 5 volt power supply

ISSUE 2

August 1993

**Ordering Information**

|                       |                    |
|-----------------------|--------------------|
| MT8930BC              | 28 Pin Ceramic DIP |
| MT8930BE              | 28 Pin Plastic DIP |
| MT8930BP              | 44 Pin PLCC        |
| <b>-40°C to +85°C</b> |                    |

**Description**

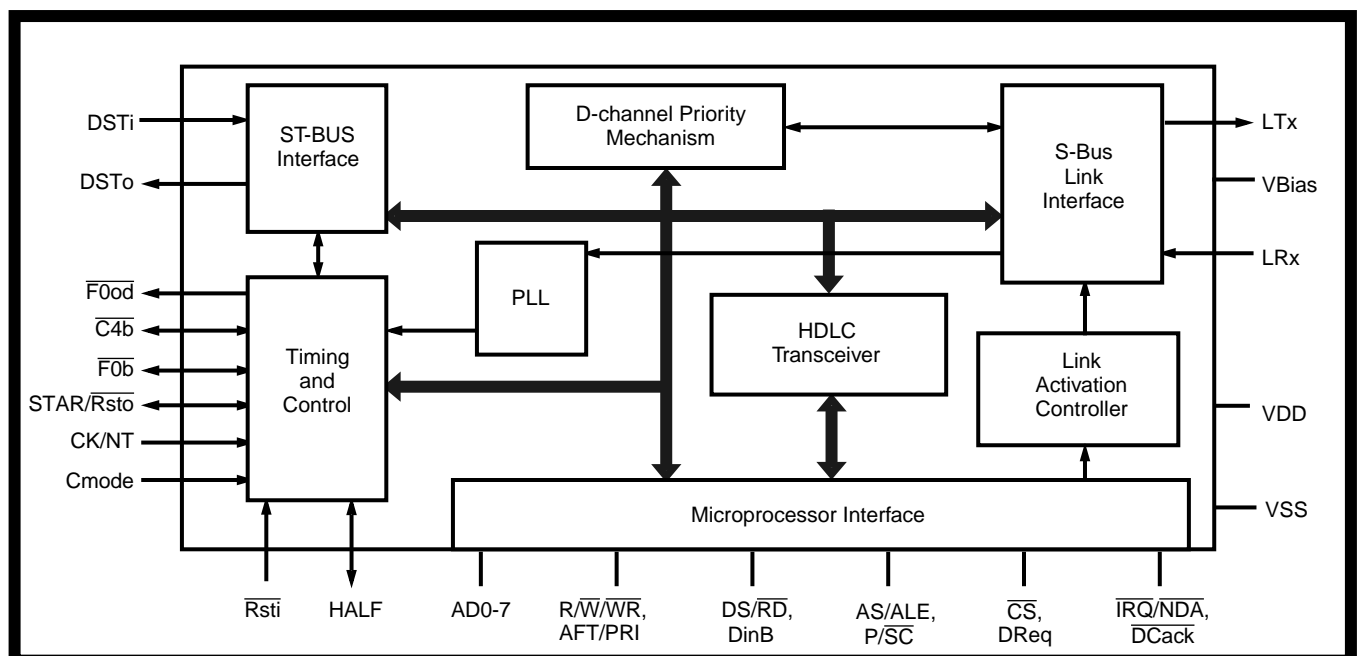
The MT8930B Subscriber Network Interface Circuit (SNIC) implements the CCITT I.430 and ANSI T1.605 Recommendations for the ISDN S and T reference points. Providing point-to-point and point-to-multipoint digital transmission, the SNIC may be used at either end of the subscriber line (NT or TE).

An HDLC D-channel protocoller is included and controlled through a Motorola/Intel microprocessor port. A controllerless mode allows the SNIC to operate without a microprocessor.

**Applications**

- ISDN NT1
- ISDN S or T interface
- ISDN Terminal Adaptor (TA)
- Digital sets (TE1) - 4 wire ISDN interface
- Digital PABXs, Digital Line Cards (NT2)

The MT8930B is fabricated in Mitel's CMOS process.


**Figure 1 - Functional Block Diagram**

Notes:



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