

## Communications

### ST34C86

#### QUAD RS-422, RS-423 CMOS Differential Line Receiver

##### Features

- Pin-to-Pin Compatible with National DS34C86
- Low Power CMOS Design
- Three-State Outputs with Enable Pin
- Meets the EIA RS-422 Requirements
- Low Propagation Delays
- The ST34C86 is a High Speed CMOS quad

The ST34C86 is a CMOS quad differential line receiver designed to meet the standard RS-422, RS-423 requirements. The ST34C86 has an input sensitivity of 200mv over the common mode input voltage range of 7V. To improve noise margin and output stability for slow changing input signal, special hysteresis is built in the ST34C86 circuit.

The ST34C86 is a high speed line receiver designed to operate with MFM / RLL controllers and hard disk drives as well as RS-422 and RS-423 differential applications. ST34C86 provides TTL compatible outputs to interface with standard 74LS and CMOS design environments. ST34C86 is suitable for low power 5V operation.