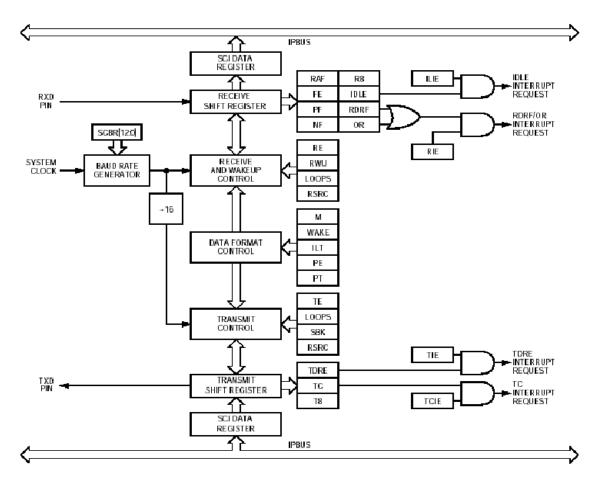
# SCI Serial Communications Interface Module

## **Summary**

The serial communications interface (SCI) allows asynchronous serial communications with peripheral devices and other microcontroller units (MCU).



**SCI Block Diagram** 

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#### Features

- Full-duplex operation
- Standard mark/space non-return-to-zero (NRZ) format
- 13-bit baud rate selection
- Programmable 8-bit or 9-bit data format
- > Separately enabled transmitter and receiver
- Separate receiver and transmitter CPU interrupt requests
- Two receiver wakeup methods
- Interrupt-driven operation with eight flags
- Receiver framing error detection
- Hardware parity checking
- $\blacktriangleright$  1/16 bit-time noise detection
- General-purpose I/O capability

#### **Performance and Characteristics**

- ► Frequency (WCS): 100 MHz
- Die Size: 0.029 mm2
- ➢ Process: 0.18µm (WCS, 1.62V, 120°)

#### **Application Examples**

Communication with PC or other MCU

### Availability

➢ Q2, 2003

To obtain more information about the SCI or other  $C^*Core^{TM}$  products, please contact the  $C^*Core$  Technology Co., Ltd. by phone: 0512-68091377, email: <u>support@china-core.com</u> or web: <u>http://www.china-core.com</u>.  $C^*Core^{TM}$  is a trade mark of  $C^*Core$  Co., Ltd.