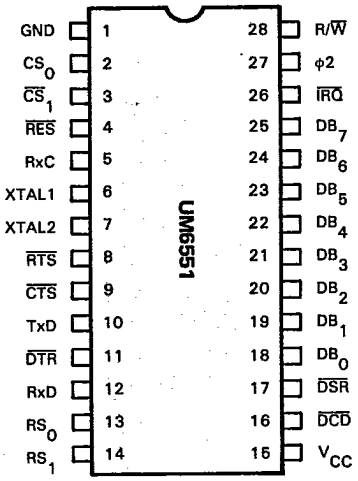
UM6551 Asynchronous Communication Interface Adapter

FEATURES

- On-chip Baud Rate Generator: 15 Programmable Baud Rates Derived from a Standard 1.8432 MHz External Crystal (50 to 19,200 Baud).
- Programmable Interrupt and Status Register to Simplify Software Design.
- Single +5 Volt Power Supply.
- Serial Echo Mode.
- False Start Bit Detection.
- 8-bit Bi-directional Data Bus for Direct Communication with the Microprocessor.
- External 16x Clock Input for Non-standard Baud Rates (up to 125 Kbaud).
- Programmable: Word Lengths; Number of Stop Bits; and Parity Bit Generation and Detection.
- Data Set and Modem Control Signals Provided.
- Parity: (Odd, Even, None, Mark, Space).
- Full-duplex or Half-duplex Operation.
- 5, 6, 7, 8 and 9 Bit Transmission.

PIN CONFIGURATION



UM68681 Dual Asynchronous Receiver/Transmitter (DUART)

FEATURES

- 68000 Bus Compatible
- Dual Full-duplex Asynchronous Receiver/Transmitter
- Quadruple Buffered Receiver Data Registers
- Programmable Data Format
- Programmable Baud Rate for Each Receiver and Transmitter Selectable
- Parity, Framing, and Overrun Error Detection
- False Start Bit Detection
- Line Break Detection and Generation
- Four Programmable Channel Modes
- Multi-function Programmable 16-bit Counter/Timer
- Multi-function 7-bit Input Port
- Multi-function 8-bit Output Port
- Maximum Data Transfer: 1X – 1MB/sec, 16X–125KB/sec
- Automatic Wake-up Mode for Multidrop Applications
- Start-end Break Interrupt/Status
- Detects Break Which Originates in the Middle of a Character
- On-chip Crystal Oscillator
- TTL Compatible
- Single +5V Power Supply

PIN CONFIGURATION