

CMOS Universal Asynchronous Receiver Transmitter (UART)

Manufacturers [Renesas Technology Corp](#)

Package/Case CDIP40

Product Type Integrated Circuits (ICs)

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for HD1-6402B/883 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HD-6402/883 is a CMOS UART for interfacing computers or microprocessors to an asynchronous serial data channel. The receiver converts serial start, data, parity and stop bits. The transmitter converts parallel data into serial form and automatically adds start, parity and stop bits. The data word length can be 5, 6, 7 or 8 bits. Parity may be odd or even. Parity checking and generation can be inhibited. The stop bits may be one or two or one and one-half when transmitting 5-bit code. The HD-6402/883 can be used in a wide range of applications including modems, printers, peripherals and remote data acquisition systems. Utilizing the Intersil advanced scaled SAJI IV CMOS process permits operation clock frequencies up to 8.0MHz (500K Baud). Power requirements, by comparison, are reduced from 300mW to 10mW. Status logic increases flexibility and simplifies the user interface.

Features

This Circuit is Processed in Accordance to MIL-STD- 883 and is Fully Conformant Under the Provisions of Paragraph 1.2.1.

8.0MHz Operating Frequency (HD-6402/883B)

2.0MHz Operating Frequency (HD-6402/883R)

Low Power CMOS Design

Programmable Word Length, Stop Bits and Parity

Automatic Data Formatting and Status Generation

Compatible with Industry Standard UARTs

Single +5V Power Supply

CMOS/TTL Compatible Inputs



Related Products



[HD64F2368VTE34V](#)

Renesas Technology Corp
QFP120



[HD64F2638F20](#)

Renesas Technology Corp
QFP-128



[HD64F2148AFA20V](#)

Renesas Technology Corp
QFP



[HD64F3337YF16V](#)

Renesas Technology Corp
QFP80



[HD64F36109HV](#)

Renesas Technology Corp
QFP100



[HD6417729RF133BV](#)

Renesas Technology Corp
QFP208



[HD64F2128FA20V](#)

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QFP64



[HD6412340FA20V](#)

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QFP-100