

CMOS Serial Controller Interface

Manufacturers	Renesas Technology Corp
Package/Case	DIP-20
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for 8501501XA or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The Intersil 82C52 is a high performance programmable Universal Asynchronous Receiver/Transmitter (UART) and Baud Rate Generator (BRG) on a single chip. Utilizing the Intersil advanced Scaled SAJI IV CMOS process, the 82C52 will support data rates up to 1M baud asynchronously with a 16X clock (16MHz clock frequency). The on-chip Baud Rate Generator can be programmed for any one of 72 different baud rates using a single industry standard crystal or external frequency source. A unique pre-scale divide circuit has been designed to provide standard RS-232-C baud rates when using any one of three industry standard crystals (1.8432MHz, 2.4576MHz, or 3.072MHz). A programmable buffered clock output (CO) is available and can be programmed to provide either a buffered oscillator or 16X baud rate clock for general purpose system usage.

Features

Single Chip UART/BRG

DC to 16MHz (1M Baud) Operation

Crystal or External Clock Input

On-Chip Baud Rate Generator - 72 Selectable Baud Rates

Interrupt Mode with Mask Capability

Microprocessor Bus Oriented Interface

80C86 Compatible

Single +5V Power Supply

Low Power Operation 1mA/MHz Typ

Modem Interface

Line Break Generation and Detection

Operating Temperature Range:

C82C52 0°C to +70°C

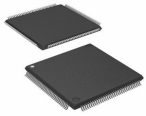
I82C52 -40°C to +85°C

M82C52 -55°C to +125°C

Pb-Free Plus Anneal Available (RoHS Compliant)



Related Products



[DF70855AD80FPV](#)

Renesas Technology Corp
144-LQFP



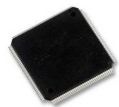
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Renesas Technology Corp
QFP80



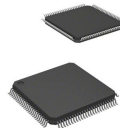
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Renesas Technology Corp
80-LQFP



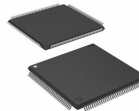
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QFP144



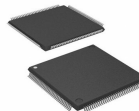
[R5F70855AD80FPV](#)

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LQFP-100



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[M30855FJGP#U5](#)

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