

CMOS 16-Bit Microprocessor; Temperature Range: 0°C to 70°C; Package: 40-CerDIP

Manufacturers	Renesas Technology Corp
Package/Case	DIP40
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MD80C86-2/B or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The Intersil 80C86 high performance 16-bit CMOS CPU is manufactured using a self-aligned silicon gate CMOS process (Scaled SAJI IV). Two modes of operation, minimum for small systems and maximum for larger applications such as multiprocessing, allow user configuration to achieve the highest performance level. Full TTL compatibility (with the exception of CLOCK) and industry standard operation allow use of existing NMOS 8086 hardware and software designs.

Features

Compatible with NMOS 8086

Completely Static CMOS Design

DC 8MHz (80C86-2)

Low Power Operation

ICCSB 500mA Max

ICCOP 10mA/MHz Typ

1MByte of Direct Memory Addressing Capability

24 Operand Addressing Modes

Bit, Byte, Word and Block Move Operations

8-Bit and 16-Bit Signed/Unsigned Arithmetic

Binary, or Decimal

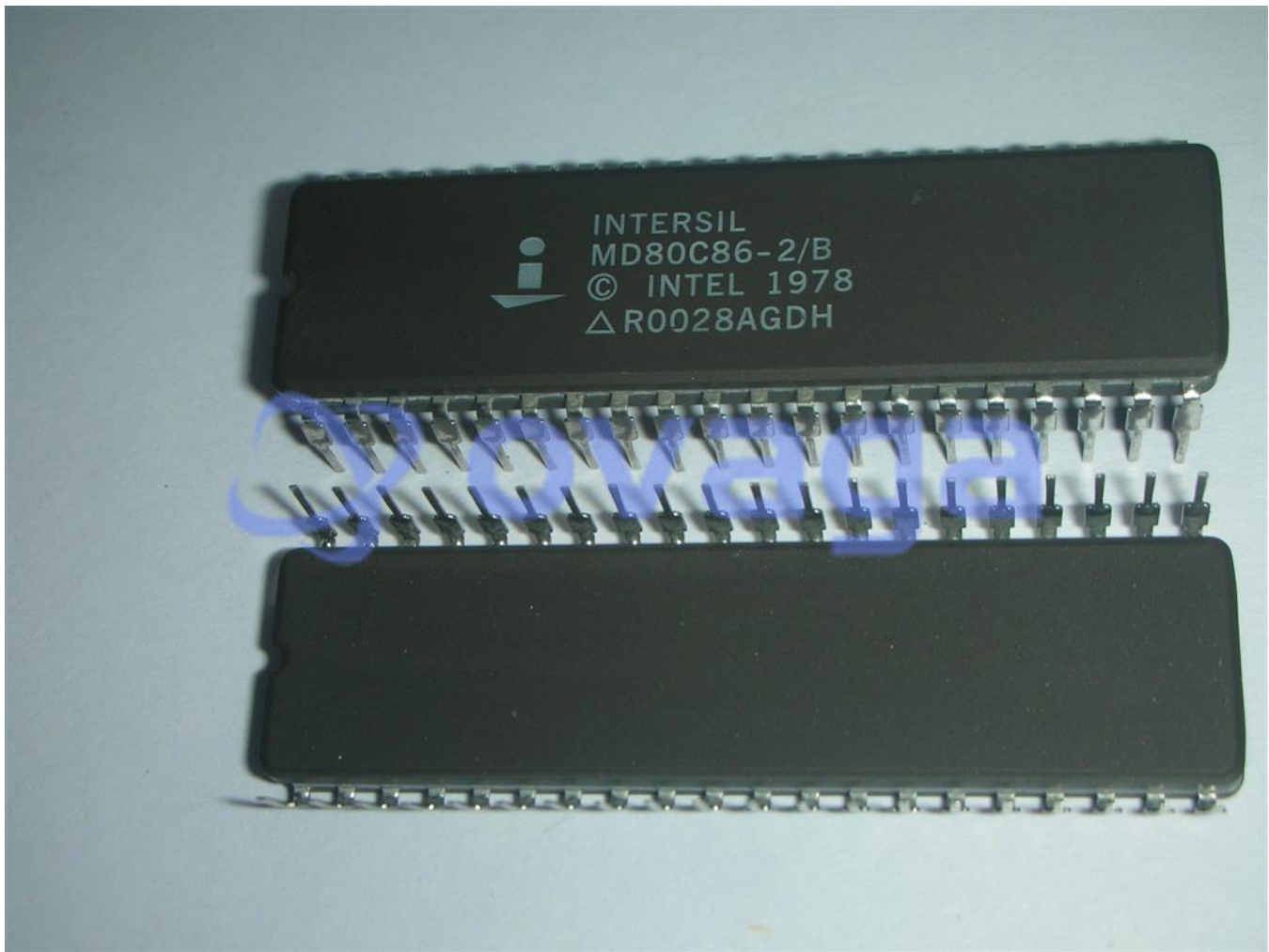
Multiply and Divide

Wide Operating Temperature Range

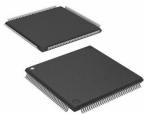
C80C86 0°C to +70°C

M80C86 -55°C to +125°C

Pb-Free Available (RoHS Compliant)

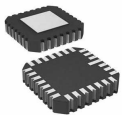


Related Products



[R5F572MDHDFB#30](#)

Renesas Technology Corp
144-LQFP (20x20)



[MD82C52/B](#)

Renesas Technology Corp
28pin-CERDIP
28pin-CLCC
28pin-PDIP
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[MD82C37A/B](#)

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DIP-40