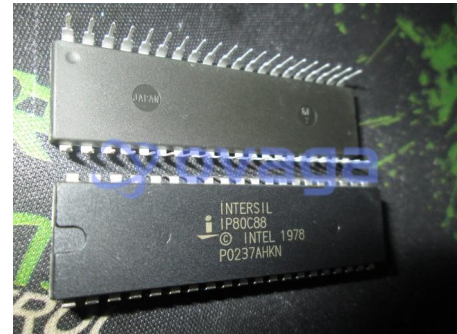


CMOS 8/16-Bit Microprocessor

Manufacturers	Renesas Technology Corp
Package/Case	PDIP-40
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for IP80C88 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The Intersil 80C88 high performance 8-/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 8088 hardware and Intersil CMOS peripherals. Complete software compatibility with the 80C86, 8086, and 8088 microprocessors allows use of existing software in new designs.

Features

Compatible with NMOS 8088

Direct software compatibility with 80C86, 8086, 8088

8-bit data bus interface; 16-bit internal architecture

Completely static CMOS design

DC 5MHz (80C88)

DC 8MHz (80C88-2)

Low power operation

ICCSB 500 μ A maximum

ICCOP 10mA/MHz maximum

1 MB of direct memory addressing capability

24 operand addressing modes

Bit, byte, word, and block move operations

8-bit and 16-bit signed/unsigned arithmetic

Bus-hold circuitry eliminates pull-up resistors

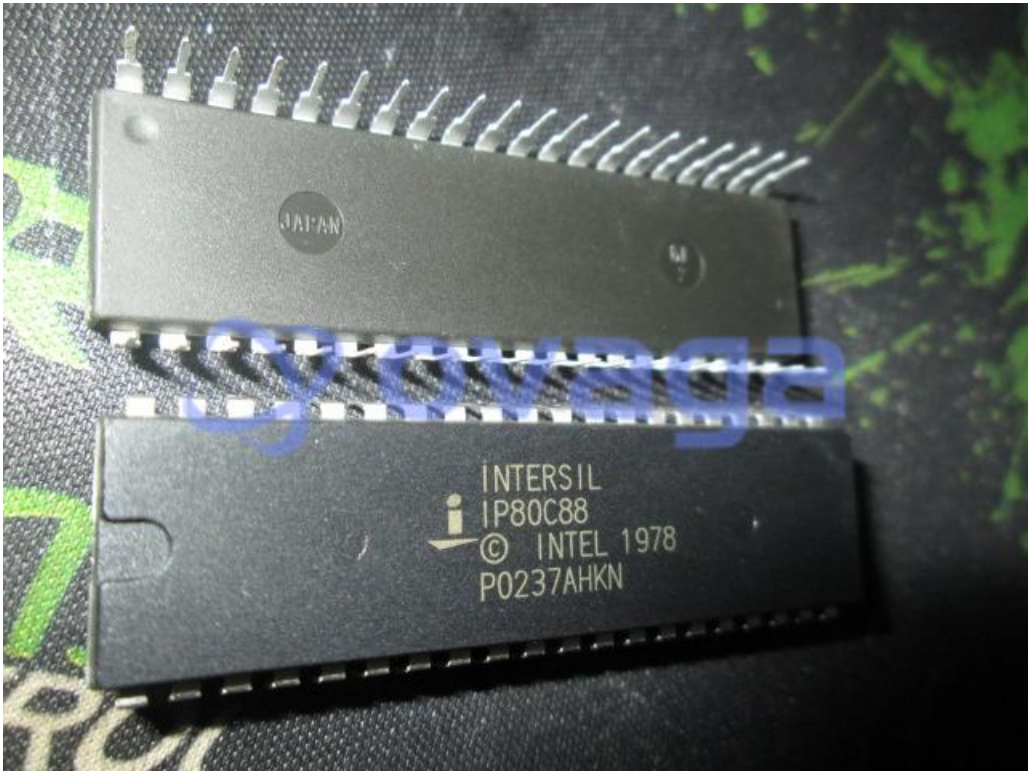
Wide operating temperature ranges

C80C88 0°C to +70°C

I80C88 -40°C to +85°C

M80C88 -55°C to +125°C

Pb-free available (RoHS compliant)



Related Products



[IP80C88-2](#)

Renesas Technology Corp
PDIP-40



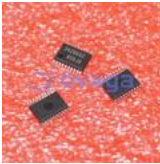
[M3062LFGPGP](#)

Renesas Technology Corp
LQFP-1



[R5F21246SNFP](#)

Renesas Technology Corp
QFP48



[M34286G2GP](#)

Renesas Technology Corp
TSSOP20



[R5F21368CNFP](#)

Renesas Technology Corp
64-LQFP



[M306N4FGTFP#UKJ](#)

Renesas Technology Corp
QFP-100



[HD64F36077GHV](#)

Renesas Technology Corp
LQFP64



[DF61663N50FPV](#)

Renesas Technology Corp
144-LQFP