

Timer, Oscillator & Pulse Generator IC, Programmable Interval Timer, 8 MHz, 4.5 V to 5.5 V, DIP-24

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|---------------|--|
| Manufacturers | Renesas Technology Corp |
| Package/Case | PDIP-24 |
| Product Type | Clock/Timing - Programmable Timers and Oscillators |
| RoHS | Rohs |
| Lifecycle | |



Images are for reference only

Please submit RFQ for CP82C54Z or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The Intersil 82C54 is a high performance CMOS Programmable Interval Timer manufactured using an advanced 2 micron CMOS process. The 82C54 has three independently programmable and functional 16-bit counters, each capable of handling clock input frequencies of up to 8MHz (82C54) or 10MHz (82C54-10) or 12MHz (82C54-12). The high speed and industry standard configuration of the 82C54 make it compatible with the Intersil 80C86, 80C88, and 80C286 CMOS microprocessors along with many other industry standard processors. Six programmable timer modes allow the 82C54 to be used as an event counter, elapsed time indicator, programmable one-shot, and many other applications. Static CMOS circuit design insures low power operation. The Intersil advanced CMOS process results in a significant reduction in power with performance equal to or greater than existing equivalent products.

Features

8MHz to 12MHz Clock Input Frequency

Compatible with NMOS 8254

Enhanced Version of NMOS 8253

Three Independent 16-Bit Counters

Six Programmable Counter Modes

Status Read Back Command

Binary or BCD Counting

Fully TTL Compatible

Single 5V Power Supply

Low Power

ICCSB 10 μ A

ICCOP 10mA at 8MHz

Operating Temperature Ranges

CX82C54 0°C to +70°C

IX82C54 -40°C to +85°C

MD82C54 -55°C to +125°C

Pb-Free Plus Anneal Available (RoHS Compliant)

Related Products



[CP82C84AZ](#)

Renesas Technology Corp
PDIP-18



[CP82C54](#)

Renesas Technology Corp
PDIP-24



[CP82C84A](#)

Renesas Technology Corp
DIP-18



[CP82C54-10Z](#)

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[CP82C54-12Z](#)

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