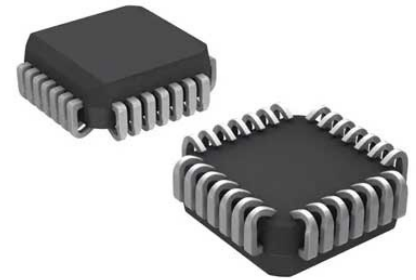


Programmable Timer Single 0°C 70°C 28-Pin PLCC Tube

Manufacturer:	Renesas Technology Corp
Package/Case:	PLCC
Product Type:	Discrete Semiconductor Modules
Lifecycle:	Obsolete



Images are for reference only

[Inquiry](#)

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.

Key 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)

Recommended For You

CS82C54Z

Renesas Technology Corp

PLCC-28

CS82C54-10Z96

Renesas Technology Corp

PLCC28

CS82C85

Renesas Technology Corp

PLCC

CSPI855PGGI

Renesas Technology Corp

TSSOP28

CSPI857CPA

Renesas Technology Corp

TSSOP

CS82C5496

Renesas Technology Corp

PLCC

CS82C54Z96

Renesas Technology Corp

PLCC

CS82C54-12Z96

Renesas Technology Corp

TQFP32

CS82C54-1096

Renesas Technology Corp

PLCC-28

ICM7555CBA

Renesas Technology Corp

SOP-8

8535AGI-31LF

Renesas Technology Corp

TSSOP20

ICM7555CBAZ-T

Renesas Technology Corp

SOP

ICM7555IPAZ

Renesas Technology Corp

DIP8

ISL1208IB8Z-TK

Renesas Technology Corp

SOP8

ISL12026IBZ-T

Renesas Technology Corp

SOP8