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# IS82C54-10Z

Data Sheet

### Pb-Free PERIPH PRG-CNTR 5V 10MHZ 28PLCC IND HT SUSA CODE:8542390000

| Manufacturers | Renesas Technology Corp                            |
|---------------|--|
| Package/Case  | PDIP-28  |
| Product Type  | Clock/Timing - Programmable Timers and Oscillators |
| RoHS          | Rohs   |
| Lifecycle     |  |



Images are for reference only

Please submit RFQ for IS82C54-10Z or Email to us: sales@ovaga.com We will contact you in 12 hours.

<u>RFQ</u>

### **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 10µA
- 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**



### **ISL12022IBZ**

Renesas Technology Corp SOP-8



**IS82C54** Renesas Technology Corp PLCC28



### **ISL12026IBZ** Renesas Technology Corp SOIC-8



## Renesas Technology Corp DFN-20

ISL12020MIRZ



# Renesas Technology Corp

### **ISL1208IB8Z**

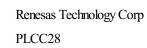
Renesas Technology Corp

### ISL12022MIBZ



Renesas Technology Corp SOIC-20

### **IS82C54-10**



## **IS82C54Z**

PLCC-28

SOIC-8

# **Ovaga Technologies Limited**