

## Real Time Clock Serial Clock/Calendar/Alarm/Interrupt Automotive 8-Pin SOIC T/R



Images are for reference only

**Manufacturer:** [Renesas Technology Corp](#)

**Package/Case:** SOP8

**Product Type:** Clock & Timer ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

### General Description

The ISL12057 device is a low-power, real-time clock that is pin compatible and functionally equivalent to Maxim DS1337 with clock/calendar and alarm function. The oscillator uses an external, low-cost 32.768kHz crystal with 6pF load capacitance. The real-time clock tracks time with separate registers for hours, minutes, and seconds. The device has calendar registers for date, month, year, and day of the week. The calendar is accurate through 2099, with automatic leap year correction.

## Key Features

Pin Compatible to Maxim DS1337

Functionally Equivalent to Maxim DS1337

Real-Time Clock/Calendar

Tracks Time in Hours, Minutes, and Seconds

Day of the Week, Date, Month, and Year

Dual Interrupts for Frequency Output and Alarm interrupts

Four Selectable Frequency Outputs

Two Alarms

Settable to the Second, Minute, Hour, Day of the Week, and Date

I<sup>2</sup>C Interface

400kHz Data Transfer Rate

Small Package Options

8 Ld 2mmx2mm UTDFN

8 Ld MSOP

8 Ld SOIC

Pb-Free (RoHS Compliant)

## Recommended For You

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### **ISL1208IB8Z-TK**

Renesas Technology Corp

SOP8

### **ISL12026IBZ-T**

Renesas Technology Corp

SOP8

### **ISL1208IU8Z-TK**

Renesas Technology Corp

MSOP8

### **ISL1208IB8**

Renesas Technology Corp

SOP-8

### **ISL12022MIBZ-T**

Renesas Technology Corp

SOP20

### **ISL12008IB8Z**

Renesas Technology Corp

SOP8

### **ISL1208IU8Z**

Renesas Technology Corp

MSOP8

### **ISL12028IBZ-T**

Renesas Technology Corp

SOIC-14

### **IS82C85**

Renesas Technology Corp

PLCC

### **IS82C54-10Z96**

Renesas Technology Corp

PLCC-28

### **ISL12021CVZ**

Renesas Technology Corp

TSSOP-14P

### **ISL1208IU8**

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MSOP8

**ISL1208IU8Z-T7A**

Renesas Technology Corp

MSOP8

**ISL1220IUZ-T**

Renesas Technology Corp

MSOP10

**ISL12028IV27Z-T**

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TSOP