

## Real Time Clock Serial 2byte Clock/Calendar/Alarm/Battery Backup Automotive 8-Pin SOIC T/R

<b>Manufacturer:</b>	<a href="#">Renesas Technology Corp</a>	<input type="text" value="ISL1208IB8Z-TK Image"/>
<b>Package/Case:</b>	SOP8	Images are for reference only
<b>Product Type:</b>	Clock & Timer ICs	<input type="button" value="Inquiry"/>
<b>RoHS:</b>	RoHS Compliant/Lead free 	
<b>Lifecycle:</b>	Active	

### General Description

The ISL1208 device is a low power real time clock with timing and crystal compensation, clock/calendar, power fail indicator, periodic or polled alarm, intelligent battery backup switching and battery-backed user SRAM. The oscillator uses an external, low-cost 32.768kHz crystal. 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

Real Time Clock/Calendar

Tracks Time in Hours, Minutes, and Seconds

Day of the Week, Day, Month, and Year

15 Selectable Frequency Outputs

Single Alarm

Settable to the Second, Minute, Hour, Day of the Week, Day, or Month

Single Event or Pulse Interrupt Mode

Automatic Backup to Battery or Super Capacitor

Power Failure Detection

On-Chip Oscillator Compensation

2 Bytes Battery-Backed User SRAM

I<sup>2</sup>C Interface

400kHz Data Transfer Rate

400nA Battery Supply Current

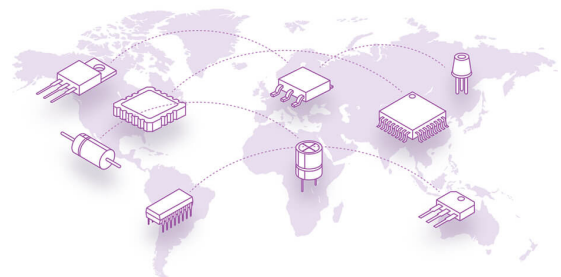
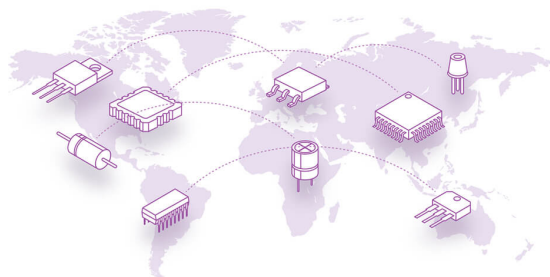
Same Pin Out as ST M41Txx and Maxim DS13xx Devices

Small Package Options

8 Ld MSOP and SOIC Packages

8 Ld TDFN Package

Pb-Free Available (RoHS Compliant)



## Recommended For You

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### **ISL12026IBZ-T**

Renesas Technology Corp  
SOP8

### **ISL1208IU8Z-TK**

Renesas Technology Corp  
MSOP8

### **ISL1208IB8**

Renesas Technology Corp  
SOP-8

### **ISL12022MIBZ-T**

Renesas Technology Corp  
SOP20

### **ISL12057IBZ-T**

Renesas Technology Corp  
SOP8

### **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**

Renesas Technology Corp  
MSOP8

### **ISL1208IU8Z-T7A**

Renesas Technology Corp  
MSOP8

### **ISL1220IUZ-T**

Renesas Technology Corp  
MSOP10

### **ISL12028IV27Z-T**

Renesas Technology Corp  
TSOP