New Product Announcement

PT7C4563BQ
PT7C4363BQ

Automotive-Compliant Real-Time Clocks for System Time-Keeping

The PT7C4563BQ and PT7C4363BQ are automotive-compliant real-time clocks that are qualified to AEC-Q100 Grade 1, are PPAP capable, and are manufactured in IATF16949:2016 certified facilities.

Both devices provide accurate time, calendar, and alarms for automotive systems. In addition, the PT7C4363BQ has a programmable timer to create flexible system wake-up schedules.

Standard features include automatic adjustments for leap years and for months with fewer than 31 days.

Both devices minimize power consumption with very low standby current (400nA), enabling the systems to meet current requirements.

The PT7C4563BQ and PT7C4363BQ are available in SO-8 package.

The Diodes Advantage

- **Qualified to AEC-Q100 Grade 1**
  Automotive-compliant with reliable performance across -40°C to +125°C

- **Provides Calendar and Time with Automatic End-of-Month Adjustments**
  Maintains accurate date and time even for months <31 days

- **Low Power (400nA) in Standby**
  Minimizes battery drain and helps systems meet quiescent current requirements

- **Programmable Alarm and Timer**
  Flexible wake-up schedule

- **I²C Interface**
  Simple interface to microcontroller

Applications

- Infotainment
- T-Box
- Dashboard Display
Announcement

New Product

PT7C4563BQ
PT7C4363BQ

January 2020

MPN Time Display Operating Temp Interface Alarm Timer Package
PT7C4563BQ 24Hr -40°C ~ +125°C I2C Yes No SO-8
PT7C4363BQ 24Hr -40°C ~ +125°C I2C Yes Yes SO-8

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Package Code</th>
<th>Package</th>
<th>Tape Width</th>
<th>Quantity per Reel</th>
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<tr>
<td>PT7C4563BQ1WEX</td>
<td>W</td>
<td>SO-8</td>
<td>12mm</td>
<td>2500</td>
</tr>
<tr>
<td>PT7C4363BQ1WEX</td>
<td>W</td>
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</table>

To find out more information: [https://www.diodes.com/products/connectivity-and-timing/clock-ics/real-time-clock/](https://www.diodes.com/products/connectivity-and-timing/clock-ics/real-time-clock/)