



**12500 TI Boulevard, MS 8640, Dallas, Texas 75243**

**Notification# 20240730004.0  
Datasheet for TMP102  
Information Only**

**Date:** August 05, 2024  
**To:** MOUSER PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the Change Management team.

Sincerely,

Change Management Team  
SC Business Services


**20240730004.0**  
**Information Only Datasheet**  
**Attachments**

**Products Affected:**

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
TMP102AIDRLR	NULL

Technical details of this Product Change follow on the next page(s).

<b>PCN Number:</b>	20240730004.0		<b>PCN Date:</b>	August 05, 2024						
<b>Title:</b>	Datasheet for TMP102									
<b>Customer Contact:</b>	Change Management team	<b>Dept:</b>	Quality Services							
<b>Change Type:</b>	Electrical Specification									
<b>PCN Details</b>										
<b>Description of Change:</b>										
<p>Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.</p>										
		<b>TMP102</b> <small>SBOS397I – AUGUST 2007 – REVISED JUNE 2024</small>								
<b>Changes from Revision H (December 2018) to Revision I (June 2024)</b>				<b>Page</b>						
<ul style="list-style-type: none"> <li>Updated the numbering format for tables, figures, and cross-references throughout the document ..... 1</li> <li>Changed all instances of legacy terminology to controller and target where I<sup>2</sup>C is mentioned ..... 1</li> <li>Changed the "Conversion time" throughout the document..... 1</li> <li>Changed the active, shutdown, average, and delay quiescent current throughout the document..... 1</li> <li>Changed the SCL pin description in <i>Pin Functions</i> table..... 3</li> <li>Removed machine model (MM) from <i>ESD Ratings</i> section..... 4</li> <li>Changed DRL package Thermal Information section..... 4</li> <li>Changed "Conversion time" in Electrical Characteristics table..... 5</li> <li>Added Average quiescent current at 1Hz conversion mode in Electrical Characteristics table..... 5</li> <li>Changed Average quiescent current at 4Hz conversion mode in Electrical Characteristics table..... 5</li> </ul>										
<ul style="list-style-type: none"> <li>Changed Average quiescent current when serial bus active, SCL frequency = 400 kHz in Electrical Characteristics table..... 5</li> <li>Changed Average quiescent current when serial bus active, SCL frequency = 2.85MHz in Electrical Characteristics table..... 5</li> <li>Changed the frequency from 3.4 to 2.85 MHz in the POWER SUPPLY section of the <i>Electrical Characteristics</i> table..... 5</li> <li>Changed shutdown current for both serial bus inactive and active, SCL frequency = 400 kHz in Electrical Characteristics table..... 5</li> <li>Changed shutdown current when serial bus active, SCL frequency = 2.85 MHz in Electrical Characteristics table..... 5</li> <li>Changed Average Quiescent Current vs Temperature, Shutdown Current vs Temperature, Conversion Time vs Temperature, and Quiescent Current vs Bus Frequency graphs in the <i>Typical Characteristics</i> section..... 7</li> <li>Changed the <i>Interrupt Mode (TM=1)</i> section..... 16</li> </ul>										
<p>The datasheet number will be changing.</p> <table border="1" style="width: 100%;"> <tr> <td>Device Family</td> <td>Change From:</td> <td>Change To:</td> </tr> <tr> <td>TMP102</td> <td>SBOS397H</td> <td><b>SBOS397I</b></td> </tr> </table>					Device Family	Change From:	Change To:	TMP102	SBOS397H	<b>SBOS397I</b>
Device Family	Change From:	Change To:								
TMP102	SBOS397H	<b>SBOS397I</b>								
<p>These changes may be reviewed at the datasheet links provided.  <a href="http://www.ti.com/product/TMP102">http://www.ti.com/product/TMP102</a></p>										
<b>Reason for Change:</b>										
Datasheet update driven by changes announced in PCN 20240508001										
<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>										
No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.										

<b>Changes to product identification resulting from this PCN:</b>
None.
<b>Product Affected:</b>
TMP102AIDRLR

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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