TEXAS INSTRUMENTS 12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification# 20201014001
Datasheet for TMP175, TMP75
Information Only

Date: January 12, 2021
To: Newark/Farnell PCN

Dear Customer:

This is an information-only announcement of a change to the datasheet for 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 (PCN_ww_admin_team@list.ti.com).

Sincerely,

Change Management Team
SC Business Services

Information Only
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
TMP75AIDGKT	null

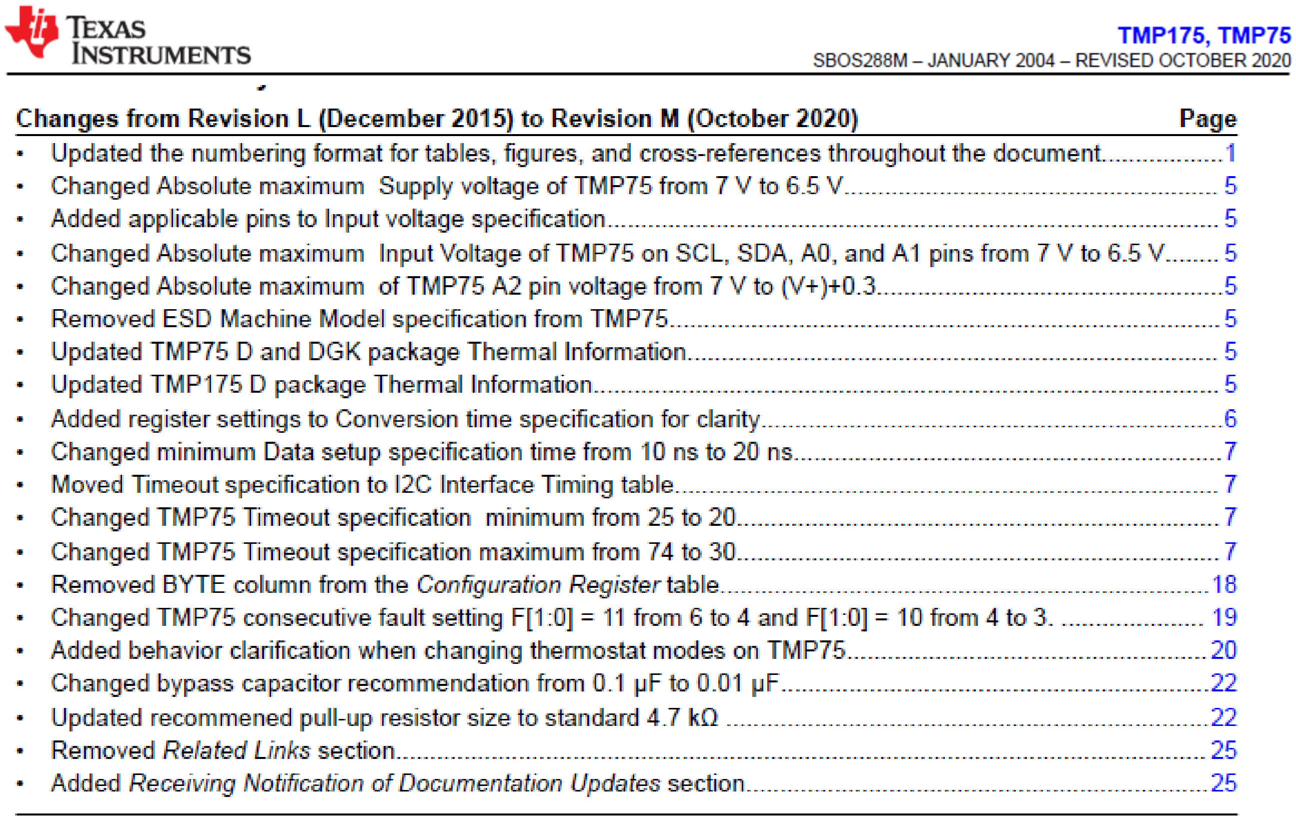
Technical details of this Product Change follow on the next page(s).

Notification Number:	20201014001	**Notification Date:**	Jan. 12, 2021
Title:	Datasheet for TMP175, TMP75		
Customer Contact:	Notification Manager	**Dept:**	Quality Services

Change Type: Electrical Specification

Description of Change:

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.



TEXAS INSTRUMENTS

TMP175, TMP75
SBOS288M – JANUARY 2004 – REVISED OCTOBER 2020

Changes from Revision L (December 2015) to Revision M (October 2020)	**Page**
• Updated the numbering format for tables, figures, and cross-references throughout the document.	1
• Changed Absolute maximum Supply voltage of TMP75 from 7 V to 6.5 V	5
• Added applicable pins to Input voltage specification	5
• Changed Absolute maximum Input Voltage of TMP75 on SCL, SDA, A0, and A1 pins from 7 V to 6.5 V	5
• Changed Absolute maximum of TMP75 A2 pin voltage from 7 V to (V+)+0.3	5
• Removed ESD Machine Model specification from TMP75	5
• Updated TMP75 D and DGK package Thermal Information	5
• Updated TMP175 D package Thermal Information	5
• Added register settings to Conversion time specification for clarity	6
• Changed minimum Data setup specification time from 10 ns to 20 ns	7
• Moved Timeout specification to I2C Interface Timing table	7
• Changed TMP75 Timeout specification minimum from 25 to 20	7
• Changed TMP75 Timeout specification maximum from 74 to 30	7
• Removed BYTE column from the *Configuration Register* table	18
• Changed TMP75 consecutive fault setting F[1:0] = 11 from 6 to 4 and F[1:0] = 10 from 4 to 3.	19
• Added behavior clarification when changing thermostat modes on TMP75	20
• Changed bypass capacitor recommendation from 0.1 µF to 0.01 µF	22
• Updated recommened pull-up resistor size to standard 4.7 kΩ	22
• Removed *Related Links* section	25
• Added *Receiving Notification of Documentation Updates* section	25

The datasheet number will be changing.

Device Family	Change From:	Change To:
TMP175, TMP75	SBOS288L	SBOS288M

These changes may be reviewed at the datasheet links provided.
http://www.ti.com/product/TMP75

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.

Changes to product identification resulting from this notification:

None.

Product Affected:

TMP75AID	TMP75AIDGKR	TMP75AIDGKT	TMP75AIDR
TMP75AIDG4	TMP75AIDGKRG4	TMP75AIDGKTG4	TMP75AIDRG4
TMP175AID	TMP175AIDGKR	TMP175AIDGKT	TMP175AIDGKTG4

TMP175AIDR			

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	**E-Mail**
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
WW Change Management Team	PCN_ww_admin_team@list.ti.com

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