



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20240611002.0
TTPS53689T Firmware change
Information Only**

Date: June 11, 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

20240611002.0
Attachment: 1

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
TPS53689TRSBR	NULL
TPS536C9TRSLR	NULL

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

Notification Number:	20240611002.0		PCN Date:	June 11, 2024	
Title:	TPS53689T Firmware change				
Customer Contact:	Change Management team		Dept:	Quality Services	
Change Type:					
<input type="checkbox"/>	Assembly Site	<input checked="" type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Process
Notification Details					
Description of Change:					
<p>This notification is to communicate the Firmware change for the TPS53689T family of devices. Affected devices are listed in the Product Affected section of this document.</p> <p>The firmware was updated to include a step at controller enable to evaluate if VIN is greater than Minimum VIN. This check assures that even if VIN_ON was missed during VIN crossing minimum VIN, the controller will still wake up if at controller enable, the VIN is above minimum VIN.</p> <p>As a result, the Register revision was changed from 3.0.11.0 and 3.0.11.20, to 3.0.11.01 and 3.0.11.21.</p> <p>No hardware external changes are required to support this update.</p>					
Reason for Change:					
Improved device functionality					
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):					
None.					
Product Affected:					
SN2107070RSBR	TPS53689T48VRSBR	TPS53689TRSBR	TPS536C9T48VRSBR	TPS536C9T48VRSBR	TPS536C9T48VRSBR
TPS536C9TRSLR					

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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