

PCN Number:	20231107005.1	PCN Date:	November 17, 2023
Title:	Datasheet for TPS255x		
Customer Contact:	Change Management	Dept:	Quality Services
Proposed 1st Ship Date:	Feb. 9, 2024		
Change Type:			
☐ Assembly Site	☐ Design	☐ Wafer Bump Site	
☐ Assembly Process	☒ Data Sheet	☐ Wafer Bump Material	
☐ Assembly Materials	☐ Part number change	☐ Wafer Bump Process	
☐ Mechanical Specification	☐ Test Site	☐ Wafer Fab Site	
☐ Packing/Shipping/Labeling	☐ Test Process	☐ Wafer Fab Materials	
		☐ Wafer Fab Process	

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification.
The product datasheet(s) is being updated as summarized below.



TPS2550, TPS2551
SLVS736C – FEBRUARY 2008 – REVISED OCTOBER 2023

Changes from Revision B (November 2008) to Revision C (October 2023)	Page
• Added GPN to beginning of title.....	0
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Changed the high-side MOSFET resistance to 94-mΩ.....	1
• Moved the Device Comparison table.....	1
• Added a Package Information table, and removed the General Switch Catalog table.....	1
• Changed this section title to "Device Comparison Table" and reorganized so that it follows the Revision History section.....	3
• Changed this section title to "Pin Configuration and Functions", and added a pinout drawing before the Pin Functions table.....	4
• Updated the "ESD content" and the mark message.....	5
• Added "ESD Ratings" section.....	5
• Moved topic to follow the ESD Ratings section.....	6
• Changed this section title to "Thermal Information".....	6
• Moved topic to follow the "Thermal Metrics" section.....	6
• Added "Functional Block Diagram" section.....	12
• Added "Device Functional Modes" section.....	13
• Added the "Design Requirements" section.....	15
• Added "Power Supply Recommendations" section.....	19
• Added "Layout" section.....	20

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS255x	SLVS736A B	SLVS736 B-C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TPS2550>

Reason for Change:			
To accurately reflect device characteristics.			
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):			
Electrical specification performance changes as indicated above.			
Changes to product identification resulting from this PCN:			
None.			
Product Affected:			
TPS2550DBVR	TPS2550DBVT	TPS2550DRVR	TPS2550DRVT
TPS2551DBVR	TPS2551DBVT	TPS2551DRVR	TPS2551DRVT

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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