

PCN Number:	20180308001	PCN Date:	March 12, 2018
Title:	Datasheet for TPS791		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	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. The following change history provides further details.



TPS791

SLVS325D – MARCH 2001 – REVISED FEBRUARY 2018

Changes from Revision C (May 2002) to Revision D	Page
• Added <i>Device Information</i> table, <i>Simplified Schematic</i> figures to page 1, <i>ESD Ratings</i> table, <i>Thermal Information</i> table, <i>Pin Configuration and Functions</i> section, <i>Overview</i> section, <i>Feature Description</i> section, <i>Device Functional Modes</i> section, <i>Application and Implementation</i> section, <i>Power Supply Recommendations</i> section, <i>Layout</i> section, <i>Device and Documentation Support</i> section, and <i>Mechanical, Packaging, and Orderable Information</i> section	1
• Changed <i>TPS791xx</i> to <i>TPS791</i> throughout document	1
• Changed <i>Applications</i> section	1
• Changed <i>Description</i> section	1
• Deleted <i>Ordering Information</i> table	3
• Changed \overline{EN} pin description	3
• Added I/O data for GND pin	3
• Deleted <i>Package Dissipation Rating</i> table	3
• Changed V_I to V_{IN} , I_O to I_{OUT} , C_O to C_{OUT} , $C_{O(byp)}$ and $C_{(byp)}$ to C_{BYPASS} throughout document	3
• Changed formula in footnote 1 of <i>Recommended Operating Conditions</i> table	4
• Added V_{REF} parameter to <i>Electrical Characteristics</i> table	5
• Changed V_{CC} to V_{IN} in test conditions of <i>UVLO threshold</i> and <i>UVLO hysteresis</i> parameters	5
• Added $PSRR$ and V_{DO} symbols to <i>Power-supply ripple rejection</i> and <i>Dropout voltage</i> parameters	5
• Added conditions statement to <i>Typical Characteristics</i> section	6
• Changed I_{OUT} to C_{BYPASS} in <i>TPS79118 Output Spectral Noise Density vs Frequency</i> figure	7
• Changed I_{OUT} to C_{BYPASS} in <i>TPS79133 Output Spectral Noise Density vs Frequency</i> figure	7
• Changed third bullet in <i>Normal Operation</i> section	15
• Changed first bullet in <i>Disabled</i> section	15
• Changed V_{EN} column in <i>Device Functional Mode Comparison</i> table	15
• Added <i>active-low</i> to <i>Application Information</i> description	16

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS791	SLVS325C	SLVS325D

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TPS791>

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 PCN:

None.

Product Affected:

TPS79101DBVR	TPS79118DBVR	TPS79133DBVR	TPS79147DBVR
TPS79101DBVRG4	TPS79118DBVRG4	TPS79133DBVRG4	TPS79147DBVT
TPS79101DBVT	TPS79118DBVT	TPS79133DBVT	TPS79147DBVTG4
TPS79101DBVTG4	TPS79118DBVTG4	TPS79133DBVTG4	

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
Japan	PCNJapanContact@list.ti.com