PCN Number:	20170324000	PCN Date:	April 18, 2017
Title:	Datasheet for TPS54360, TPS54340, TPS54540, and TPS54560		
Customer Contact:	PCN Manager	Dept:	Quality Services

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.
The following change history provides further details.

TEXAS INSTRUMENTS

TPS54340

SLVSBK0D – OCTOBER 2012 – REVISED MARCH 2017

Changes from Revision C (June 2016) to Revision D — **Page**

- Changed V_{IN} MIN Value From: 4.5 V To: $V_O + V_{DO}$, and added Note 1 in the *Recommended Operating Conditions* 5
- Updated text and added Equation 1 in the *Low Dropout Operation and Bootstrap Voltage (BOOT)* 13
- Deleted text: "The start and stop voltage for a typical 5 V..." and Figure: "5V Start/Stop Voltage" from the *Low Dropout Operation and Bootstrap Voltage (BOOT)* section 13
- Added new section: *Minimum V_{IN}* 29
- Deleted 2 graphs named "Low Dropout Operation" from the *Application Curves* section 32

TEXAS INSTRUMENTS

TPS54360

SLVSBB4F – AUGUST 2012 – REVISED MARCH 2017

Changes from Revision E (March 2014) to Revision F — **Page**

- Added the WEBENCH information in the *Features*, *Detailed Design Procedure*, and *Device Support* sections 1
- Changed the *Handling Ratings* table to the *ESD Ratings* table 5
- Moved the Storage temperature to the *Absolute Maximum Ratings* table 5
- Changed V_{IN} MIN Value From: 4.5 V To: $V_O + V_{DO}$, and added Note 1 in the *Recommended Operating Conditions* 5
- Updated text and added Equation 1 and Equation 2 in the *Low Dropout Operation and Bootstrap Voltage (BOOT)* 13
- Deleted text: "The start and stop voltage for a typical 5 V..." and Figure: "5V Start/Stop Voltage" from the *Low Dropout Operation and Bootstrap Voltage (BOOT)* section 14
- Changed Equation 7 and Equation 8 15
- Changed Equation 27 26
- Added new section: *Minimum V_{IN}* 31
- Deleted 2 graphs named "Low Dropout Operation" from the *Application Curves* section 34

TEXAS INSTRUMENTS

TPS54540

SLVSBX7B – MAY 2013 – REVISED MARCH 2017

Changes from Revision A (March 2014) to Revision B **Page**

- Added the WEBENCH information in the *Features*, *Detailed Design Procedure*, and *Device Support* sections 1
- Changed the *Handling Ratings* table To *ESD Ratings* table 5
- Changed V_{IN} MIN Value From: 4.5 V To: $V_O + V_{DO}$, and added Note 1 in the *Recommended Operating Conditions* 5
- Deleted last graph: "5 V Start and Stop Voltage" from the *Typical Characteristics* 10
- Updated text and added Equation 1 in the *Low Dropout Operation and Bootstrap Voltage (BOOT)* 13
- Deleted text: "The start and stop voltage for a typical 5 V..." from the *Low Dropout Operation and Bootstrap Voltage (BOOT)* section 13
- Changed Equation 7 and Equation 8. 15
- Changed Equation 27 26
- Added new section: *Minimum V_{IN}* 31
- Deleted 2 graphs named "Low Dropout Operation" from the *Application Curves* section 33

TEXAS INSTRUMENTS

TPS54560

SLVSBN0C – MARCH 2013 – REVISED MARCH 2017

Changes from Revision B (August 2016) to Revision C **Page**

- Changed the WEBENCH Feature 1
- Deleted graph: "5V Start/Stop Voltage" from the *Typical Characteristics* 10
- Updated text and added Equation 1 in the *Low Dropout Operation and Bootstrap Voltage (BOOT)* 13
- Added section: *Custom Design with WEBENCH® Tool* 25
- Added new section: *Minimum Input Voltage, V_{IN}* 30
- Deleted 2 graphs named "Low Dropout Operation" from the *Application Curves* section 33
- Added section: *Custom Design with WEBENCH® Tool* 40

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS54360	SLVSBB4E	SLVSBB4F
TPS54340	SLVSBK0C	SLVSBK0D
TPS54540	SLVSBX7A	SLVSBX7B
TPS54560	SLVSBN0B	SLVSBN0C

These changes may be reviewed at the datasheet links provided.
http://www.ti.com/product/TPS54360
http://www.ti.com/product/TPS54340
http://www.ti.com/product/TPS54540
http://www.ti.com/product/TPS54560

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:			
TPS54360DDA	TPS54340DDA	TPS54540DDA	TPS54560DDA
TPS54360DDAR	TPS54340DDAR	TPS54540DDAR	TPS54560DDAR

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
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