PCN Number:	20180315005	**PCN Date:**	March 19, 2018
Title:	Datasheet for TPS2373		
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

TPS2373

SLUSCD1B – JUNE 2017 – REVISED MARCH 2018

Changes from Revision A (October 2017) to Revision B	Page
• Changed TPS2373-3 typical current limit to 1.85 A	1
• Deleted the V_{APD} typical value	6
• Changed minimum, typical, and maximum values of V_{APD} rising threshold	6
• Added minimum and maximum values of V_{APDH} in the *Electrical Characteristics* table	6
• Changed current limit nominal value to 1.85 and maximum value to 2.2	6
• Changed minimum value of inrush termination to 65%	6
• Changed typical shutdown temperature to 158°C	9
• Added TPS2373-4 to the title of Figure 11	11
• Changed *Functional Block Diagram* image	15
• Changed "current limit is changed to 1.8 A" to "current limit is changed to 1.85 A" in *Internal Pass MOSFET* subsection	17
• Added "The VC switch ..." sentence to *VC_IN, VC_OUT, UVLO_SEL, and Advanced PWM Setup* subsection	19
• Changed "~" to "approximately" and "1.8 A" to "1.85 A" in the *Advanced Startup and Converter Operation* subsection	26
• Added reference for guidance on how to handle PoE shutdown conditions to the *Advanced Startup and Converter Operation* subsection	27
• Changed *Typical Application Circuit*	31
• Changed "KΩ" to "kΩ" and "1.65 V" to "1.75 V" in *Equation 2*	33
• Changed "232 kΩ" to "221 kΩ" in *Equation 3*	33
• Added sentence to end of the *APD Pin Divider Network R_{APD1}, R_{APD2} subsection*	33
• Added information to end of the *V_C Input and Output, C_{VCIN} and C_{VCOUT} subsection*	34
• Changed equation 7 values in *Automatic MPS and MPS Duty Cycle, R_{MPS} and R_{MPS_DUTY}*	34
• Changed TPS2373-3 to ACTIVE	38

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS2373	SLUSCD1A	SLUSCD1B

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/TPS2373

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:			
TPS2373-3RGWR	TPS2373-3RGWT	TPS2373-4RGWR	TPS2373-4RGWT

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