

Notification# 20180315005
Datasheet for TPS2373
Information Only

Date: March 19, 2018
To: Newark/Farnell PCN

Dear Customer:

This is an information-only announcement of a change to the datasheet for 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 PCN Manager (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN Team
SC Business Services

Information Only Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
TPS2373-4RGWT	null

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

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



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 <i>Electrical Characteristics</i> 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 <i>Functional Block Diagram</i> image	15
• Changed "current limit is changed to 1.8 A" to "current limit is changed to 1.85 A" in <i>Internal Pass MOSFET</i> subsection	17
• Added "The VC switch ..." sentence to <i>VC_IN, VC_OUT, UVLO_SEL, and Advanced PWM Setup</i> subsection	19
• Changed "~" to "approximately" and "1.8 A" to "1.85 A" in the <i>Advanced Startup and Converter Operation</i> subsection	26
• Added reference for guidance on how to handle PoE shutdown conditions to the <i>Advanced Startup and Converter Operation</i> subsection	27
• Changed <i>Typical Application Circuit</i>	31
• Changed "kΩ" to "kΩ" and "1.65 V" to "1.75 V" in <i>Equation 2</i>	33
• Changed "232 kΩ" to "221 kΩ" in <i>Equation 3</i>	33
• Added sentence to end of the <i>APD Pin Divider Network R_{APD1}, R_{APD2}</i> subsection	33
• Added information to end of the <i>V_C Input and Output, C_{VCIN} and C_{VCOUT}</i> subsection	34
• Changed equation 7 values in <i>Automatic MPS and MPS Duty Cycle, R_{MPS} and R_{MPS_DUTY}</i>	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