

PCN Number:	20171010002	PCN Date:	Dec 18, 2017
Title:	Datasheet for TPS65140-Q1		
Customer Contact:	PCN Manager	Dept:	Quality Services
Proposed 1st Ship Date:	June 18, 2018		
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:

The product datasheet(s) is being updated as summarized below. The following change history provides further details.

The datasheet number will be changing.



TPS65140-Q1
TPS65145-Q1

SGLS277B – NOVEMBER 2004 – REVISED SEPTEMBER 2017

Changes from Revision A (April 2008) to Revision B

Page

• Added Device Information table, Pin Configuration and Functions section, Specifications section, Feature Description section, Device Functional Modes section, Application and Implementation section, Power Supply Recommendations section, Layout section, Device and Documentation Support section, and Mechanical, Packaging, and Orderable Information section	1
• Deleted Dissipation Ratings table and added Thermal Information and ESD Ratings tables.....	4
• Changed from T _A to T _J in the Conditions statement of Electrical Characteristics and changed temperature from 85°C to 125°C.....	5
• Changed Changed the MAIN BOOST CONVERTER V _{REF} spec from 1.205 MIN to 1.198, and MAX from 1.219 to 1.230	5
• Changed Changed V _{FB} spec from 1.136 MIN to 1.126, and MAX from 1.154 to 1.161.....	5
• Changed Changed Γ _{DS(ON)} for V _{O1} = 10 V, I _{SW} = 500 mA condition, from 290 to 325 MAX; and, for the V _{O1} = 5 V, I _{SW} = 500 mA condition, changed from 420 to 455 MAX.....	5
• Changed	5
• Changed Changed f _{SW} spec for 0°C ≤ T _A ≤ 125°C condition from 1.295 MIN to 1.195 MIN; and, changed the MIN from 1.191 to 1.091, for the –40°C ≤ T _A ≤ 125°C condition	6
• Changed Changed NEGATIVE CHARGE PUMP V _{O2} V _{ref} spec from 1.205 MIN to 1.198, and MAX from 1.219 to 1.226	6
• Changed from T _A to T _J in the Conditions statement of Electrical Characteristics and changed temperature from 85°C to 125°C.....	6
• Changed Changed V _{FB} spec from 1.136 MIN to 1.126, and MAX from 1.154 to 1.161	6
• Changed from T _A to T _J in the Conditions statement of Electrical Characteristics and changed temperature from 85°C to 125°C.....	7

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Device Family	Change From:	Change To:
TPS65140-Q1	SGLS277A	SGLS277B

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/TPS65140-Q1			
Reason for Change:			
To more 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:			
TPS65140IPWPRQ1	TPS65145IPWPRQ1		

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