

PCN Number:	20140611000	PCN Date:	06/25/2014
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Title:	Datasheet update for BQ27541-G1		
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Customer Contact:	PCN Manager	Phone:	+1(214) 480-6037	Dept:	Quality Services
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Change Type:					
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Materials
				<input type="checkbox"/>	Wafer Fab Process

PCN Details

Description of Change:

The product datasheet(s) is being updated to correct maximum capacity | supported

The following change history provides further details. These changes may be reviewed at the datasheet links provided



bq27541-G1

SLUSAL6D – NOVEMBER 2011 – REVISED MAY 2014

www.ti.com

Changes from Revision C (October 2012) to Revision D

Page

• Changed 32Ahr to 14,500-mAh.....	1
• Changed 32 Ahr to 14,500 mAh.....	1
• Deleted minimum and maximum values for Power-on reset hysteresis.	6
• Deleted lines for V_{DO} , $\Delta V_{(REGTEMP)}$, $\Delta V_{(REGLINE)}$ and $\Delta V_{(RELOAD)}$ from Electrical Specifications tables.	7
• Deleted $f_{(EIO)}$, $t_{(SXO)}$ from Electrical Specifications tables for both oscillators and combined oscillators in single table.....	7
• Changed typical value from 2.097 to 8.389 in Internal Clock Oscillators	7
• Deleted minimum value of 8 in ADC (Temperature and Cell Voltage) Characteristics	7
• Added typical value of 5 in ADC (Temperature and Cell Voltage) Characteristics	7
• Changed MQ to kΩ in ADC (Temperature and Cell Voltage) Characteristics	7
• Added $t_{(TRND)}$ line to Electrical Specifications tables	8
• Added (20 typical) to T Rise value when Design Energy Scale = 1	13
• Added (2 typical) to T Rise value when Design Energy Scale = 10	13
• Changed wording in Internal Short Detection	21
• Changed description for SOC1 and SOCF to be more complete.	35
• Changed units for Avg P Last Run from mA to mW.	44

The datasheet number will be changing.

Device Family	Change From:	Change To:
BQ27541-G1	SLUSAL6C	SLUSAL6D

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/general/docs/lit/getliterature.tsp?genericPartNumber=BQ27541-G1&fileType=pdf>

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:	
BQ27541DRZR-G1	BQ27541DRZT-G1

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