

PCN Number:	20190423002.0	PCN Date:	May 2, 2019
Title:	Datasheet for bq25504 bq25505 bq25570		
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.



bq25504

SLUSAH0E – OCTOBER 2011 – REVISED MARCH 2019

Changes from Revision D (December 2018) to Revision E

Page

• Changed <i>Feature</i> From: $V_{IN} \geq 80$ mV (Typical) To: $V_{IN} \geq 130$ mV (Typical)	1
• Changed From: V_{IN} as low as 330 mV To: V_{IN} as low as 600 mV in the <i>Description</i>	1
• Changed From: "harvest energy down to $V_{IN} = 80$ mV." To: "harvest energy down to $V_{IN} = 130$ mV." in the <i>Description</i>	1
• Changed From: "330 mV typical,..." To: "600 mV typical,..." in the second paragraph of the <i>Overview</i> section	11
• Changed Figure 11	14
• Changed From: " $V_{IN}(CS) = 330$ mV typical." To: " $V_{IN}(CS) = 600$ mV typical." in the second paragraph of the <i>Cold-Start Operation</i> section	16



bq25504

SLUSAH0D – OCTOBER 2011 – REVISED DECEMBER 2018

Changes from Revision C (June 2015) to Revision D

Page

• Changed <i>Feature</i> From: Cold-Start Voltage: $V_{IN} \geq 330$ mV (Typical) To: Cold-Start Voltage: $V_{IN} \geq 600$ mV (Typical)	1
• Changed the RGT Package appearance	5
• Moved T_{stg} to the <i>Absolute Maximum Ratings</i> table.....	6
• Changed Handling Ratings To: <i>ESD Ratings</i>	6
• Increased $V_{IN}(CS)$ From: TYP = 330 mV and MAX = 450 mV To: TYP = 600 mV and MAX = 700 mV in Electrical Characteristics table	7



bq25505

SLUSBJ3F – AUGUST 2013 – REVISED MARCH 2019

Changes from Revision E (December 2018) to Revision F

Page

• Changed From: "330 mV typical,..." To: "600 mV typical,..." in the second paragraph of the <i>Overview</i> section	11
• Changed Figure 12	14
• Changed From: " $V_{IN}(CS) = 330$ mV typical." To: " $V_{IN}(CS) = 600$ mV typical." in the last paragraph of the <i>Cold-Start Operation</i> section.....	16

Changes from Revision D (February 2015) to Revision E
Page

• Changed <i>Feature</i> From: Cold-Start Voltage: $V_{IN} \geq 330$ mV (Typical) To: Cold-Start Voltage: $V_{IN} \geq 600$ mV (Typical)	1
• Changed the RGT Package appearance	4
• Increased $V_{IN(CS)}$ From: TYP = 330 mV and MAX = 450 mV To: TYP = 600 mV and MAX = 700 mV in <i>Electrical Characteristics</i> table	6

Changes from Revision E (March 2015) to Revision F
Page

• Changed Feature From: Cold-Start Voltage: $V_{IN} \geq 330$ mV (Typical) To: Cold-Start Voltage: $V_{IN} \geq 600$ mV	1
• Changed the RGR Package appearance	4
• Increased $V_{IN(CS)}$ From: TYP = 330 mV and MAX = 450 mV To: TYP = 600 mV and MAX = 700 mV in <i>Electrical Characteristics</i> table	6

Changes from Revision F (December 2018) to Revision G
Page

• Changed From: "330 mV typical,..." To: "600 mV typical,..." in the second paragraph of the <i>Overview</i> section	13
• Changed <i>Figure 21</i>	16
• Changed From: " $V_{IN(CS)} = 330$ mV typical." To: " $V_{IN(CS)} = 600$ mV typical." in the last paragraph of the <i>Cold-Start Operation</i> section	19

The datasheet number will be changing.

Device Family	Change From:	Change To:
bq25504	SLUSAH0C	SLUSAH0E
bq25505	SLUSBJ3D	SLUSBJ3F
bq25570	SLUSBH2E	SLUSBH2G

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/bq25504>

<http://www.ti.com/product/bq25505>

<http://www.ti.com/product/bq25570>

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:

BQ25504RGTR	BQ25504RGTT	BQ25505RGRR	BQ25505RGRT
BQ25570RGRR	BQ25570RGRT		

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
WW PCN Team	PCN_ww_admin_team@list.ti.com