



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20190423002.0
Datasheet for bq25504 bq25505 bq25570,
Information Only**

Date: May 02, 2019
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 Team (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
BQ25505RGRT	null
BQ25504RGTT	null
BQ25570RGRR	null
BQ25570RGRT	null

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

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 <i>Electrical Characteristics</i> 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