PCN# 20150123000
Datasheet update for BQ24196
Information Only Datasheet

Date: 1/28/2015
To: Newark/Farnell PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this PCN 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

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
BQ24196RGET	null

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

PCN Number:	20150123000		PCN Date:	01/28/2015
Title:	Datasheet update for BQ24196			
Customer Contact:	PCN Manager	**Dept:**	Quality Services	
Change Type:				

☐	Assembly Site	☐	Design	☐	Wafer Bump Site
☐	Assembly Process	☒	Data Sheet	☐	Wafer Bump Material
☐	Assembly Materials	☐	Part number change	☐	Wafer Bump Process
☐	Mechanical Specification	☐	Test Site	☐	Wafer Fab Site
☐	Packing/Shipping/Labeling	☐	Test Process	☐	Wafer Fab Materials
				☐	Wafer Fab Process

PCN Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification.

The product datasheet(s) is being updated as summarize below.

The following change history provides further details

TEXAS INSTRUMENTS

bq24196

SLUSB98A – OCTOBER 2012 – REVISED DECEMBER 2014   www.ti.com

Changes from Original (October 2012) to Revision A   **Page**

- Added Handling Rating table, Feature Description section, Device Functional Modes, Application and Implementation section, Power Supply Recommendations section, Layout section, Device and Documentation Support section, and Mechanical, Packaging, and Orderable Information section. 1
- Changed BOOT to BTST in Figure 36 1
- Changed V_{SLEEPZ}, $V_{BAT\_DPL\_HY}$, V_{BATGD}, I_{CHG_20pct}, V_{SHORT}, I_{ADPT_DPM}, K_{ILIM}, $V_{BTST\_REFRESH}$ in Electrical Characteristics.......... 6
- Added –40°C to 85° to I_{BAT} Test Condition.. 6
- Added REG00[6:3] = 0110 (4.36 V) or 1011 (4.76 V) to $V_{INDPM\_REG\_ACC}$ Test Conditions.................... 8
- Added a MIN value of 435 to K_{ILIM}.. 8
- Deleted $T_{Junction\_REG}$ MIN and MAX 8
- Changed V_{OTG_ILIM} to I_{OTG_ILIM} and V_{OTG_HSZCP} to I_{OTG_HSZCP} 8
- Deleted V_{REGN}, V_{VBUS} = 5 V, I_{REGN} = 20 mA MAX value... 9
- Changed Functional Block Diagram 12
- Changed REG09[5:4] to REG08[5:4] in Charging Termination section 20
- Changed Charging Safety Timer description... 20
- Changed Host Mode and Default Mode description... 25
- Changed Charge Current Control Register REG02 Bit 0 description and note 29
- Changed Charge Voltage Limit from Default: 4.304 V (110010) to Default: 4.208 V (101100)............. 30
- Changed BOOT to BTST in Figure 36 34
- Changed BOOT to BTST in Figure 37 35

The datasheet number will be changing.

Device Family	Change From:	Change To:
BQ24196	SLUSB98	**SLUSB98A**

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/sitesearch/docs/universalsearch.tsp?searchTerm=BQ24196#linkId=1&src=top

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:	
BQ24196RGER	BQ24196RGET

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