



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN# 20150619005  
Datasheet update for BQ24188  
Information Only**

**Date:** 7/1/2015  
**To:** Digi-Key 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](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

PCN Team  
SC Business Services


**20150619005  
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.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
BQ24188YFFR	null

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

<b>PCN Number:</b>	20150619005	<b>PCN Date:</b>	07/01/2015
<b>Title:</b>	Datasheet update for BQ24188		
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services
<b>Change Type:</b>			
<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"/>	Wafer Bump Site
		<input type="checkbox"/>	Wafer Bump Material
		<input type="checkbox"/>	Wafer Bump Process
		<input type="checkbox"/>	Wafer Fab Site
		<input type="checkbox"/>	Wafer Fab Materials
		<input type="checkbox"/>	Wafer Fab Process
<b>PCN Details</b>			
<b>Description of Change:</b>			
Texas Instruments Incorporated is announcing an information only notification.			
The product datasheet(s) is updated as seen in the change revision history below:			
			
<b>bq24188</b>			
SLUSC44A – DECEMBER 2014 – REVISED MAY 2015 <span style="float: right;"><a href="http://www.ti.com">www.ti.com</a></span>			
<b>Changes from Original (December 2014) to Revision A</b>			
			<b>Page</b>
•	Changed minimum capacitance for DRV pin from 1 $\mu$ F to 2.2 $\mu$ F .....		4
•	Changed absolute max voltage for DRV, SYS from 5.0 V to 5.5 V .....		5
•	Added specifications to Electrical Characteristics table pertaining to RGE package .....		6
•	Added separate lines for $I_{INLIM}$ current for YFF and RGE packages. ....		8
•	Changed $V_{DO\_DRV}$ spec MAX voltage from "500 mV" to "450 mV" .....		8
•	Added footnote to the Electrical Characteristics table for the $I_{LIM(DISCH)}$ specification: "Continuous and periodic pulse currents from BAT to SYS are limited by output current specifications in the Absolute Max Ratings table" .....		10
•	Changed the DRV bypass capacitor in the Typical Application circuit diagrams from 1 $\mu$ F to 2.2 $\mu$ F .....		36
The datasheet number will be changing.			
Device Family	Change From:	Change To:	
BQ24188	SLUSC44	SLUSC44A	
These changes may be reviewed at the datasheet links provided. <a href="http://www.ti.com/product/bq24188">http://www.ti.com/product/bq24188</a>			
<b>Reason for Change:</b>			
To more accurately reflect device characteristics.			
<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>			
No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.			
<b>Changes to product identification resulting from this PCN:</b>			
None.			
<b>Product Affected:</b>			
BQ24188YFFR	BQ24188YFFT		

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

<b>Location</b>	<b>E-Mail</b>
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>