Notification Number: 20230522023.0 **Notification Date:** May 24, 2023 Title: Datasheet for BQ25150 **Customer Contact:** Notification Manager Dept: **Quality Services**

Change Type: Electrical Specification

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.



BQ25150

SLUSD04C - JULY 2018 - REVISED APRIL 2023

Changes from Revision B (February 2019) to Revision C (April 2023)	Page
Changed title description	1
Added Key Device Default Settings Table	5
Added clarification to LP pin description	6
Added clarification to ADCIN pin description	6
Changed maximum recommended PMID output current	8
Changed maximum R _{ON(BAT-PMID)} in Electrical Characteristics	9
Changed t _{HW RESET WD} test conditions and MAX value	12
Changed t _{RESET} warn and t _{HW RESET} parameters	
 Changed Input Voltage Based Dynamic Power Management (VINDPM) and Dynamic Power Path 	
Management (DPPM)section to simplify description	20
Added clarification to ADC functionality when VIN is present	23
Added clarification to ADC %ICHARGE reading	23
Added more details to the ADC Programmable Comparator description	24
Deleted incorrect reference to LS_CTRL pin and updated description	25
Added clarification on LDO voltage programmability	25
Updated Figure 9-3	26
 Changed t_{HW_RESET_WARN} to t_{RESET_WARN} and VIN presence to valid VIN presence in Section 9.3.7.2. 	27
Added clarification to TS biasing operation	32
Deleted as well from Section 9.4.1 description	
Added link to BQ25150 Setup Guide and Setup Guide Tool	40
Changed registers 0x42 to 0x4F from R/W-X to R-X and R/W to R for type	
Changed IBAT_OCP_ILIM 2b10 setting description from 1500 mA to Disabled	40
Added clarification to TS_EN bit functionality	40
Changed from TS to ground to from IMAX to ground in Section 10.2.2.3	96
Added TS Biasing Figure	
Added VINLS bypass capacitor layout guideline	

The datasheet number will be changing.

Device Family	Change From:	Change To:
BQ25150	SLUSD04B	SLUSD04C

These changes may be reviewed at the datasheet links provided. http://www.ti.com/product/BQ25150

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 notification:

None.

Product Affected:

BQ25150YFPR	BQ25150YFPT			
-------------	-------------	--	--	--

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
WW Change Management Team	PCN www admin team@list.ti.com

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property

right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.