

PCN Number:	20220823000.1	Notification Date:	August 23, 2022
Title:	Datasheet for BQ25792		
Customer Contact:	Notification Manager	Dept:	Quality Services
Proposed 1st Ship Date:	Nov. 23, 2022		
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.



BQ25792
SLUSDG1C – JUNE 2020 – REVISED AUGUST 2022

Changes from Revision B (March 2021) to Revision C (August 2022)	Page
• Updated Section 5 device comparison table.....	3
• Removed reference to /PG pin and IBAT pin throughout the datasheet.....	4
• Corrected common drain to common source in ACDRVx pin function in Section 7	5
• Added how to set max input current limit with ILIM_HIZ pin in Section 7	5
• Added SDRV connected to BAT when shipFET disabled as an option in Section 7	5
• Clarified /QON pull up voltage in Section 7	5
• Updated : System voltage regulation accuracy (when $V_{BAT} < V_{SYSTEMIN}$).....	9
• Updated: OTG mode voltage regulation accuracy.....	9
• Added input sensing resistor to Section 9.2	25
• Clarified buck-boost switching operation in Section 9.3.6	34
• Added explanation of no battery operation in Section 9.3.6	34
• Clarified PFM peak inductor current in Section 9.3.6.3	35
• Clarified SYSMIN charge current clamp and settings in Section 9.3.9.2	39
• Clarified trickle to precharge regulation in Section 9.3.9.2	39
• Added SDRV typical output voltage and current to Section 9.3.12	46
• Updated I2C terminology in text and figures in Section 9.3.14	49
• Clarified REG0x14 and REG0x33 regarding reporting IBAT discharge current in Section 9.5.1	53
• Changed REG0x2E to no longer recommend 12-bit ADC setting in Section 9.5.1	53
• Corrected part number and device revision in REG0x48 in Section 9.5.1	53
• Corrected voltage ADC readings as not being 2's complement in Section 9.5.1	53
• Added optional input snubber/TVS to apps diagram in Section 10.2	126

The datasheet number will be changing.

Device Family	Change From:	Change To:
BQ25792	SLUSDG1B	SLUSDG1C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/BQ25792>

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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:

BQ25792RQMR			
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For questions regarding this notice, e-mails can be sent to the regional contact shown below or your local Field Sales Representative.

Location	E-Mail
WW Change Management Team	PCN_ww_admin_team@list.ti.com

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