



**Notification# 20250220002.0
Datasheet for BQ25622E and BQ25628E
Information Only**

Date: March 05, 2025
To: MOUSER 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 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 Change Management team.

Sincerely,

Change Management Team
SC Business Services

20250220002.0
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, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
BQ25628ERYKR	NULL
BQ25622ERYKR	NULL

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

PCN Number:	20250220002.0	PCN Date:	March 05, 2025
Title:	Datasheet for BQ25622E and BQ25628E		
Customer Contact:	Change Management team	Dept:	Quality Services
Change Type:	Electrical Specification		

PCN 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.



BQ25622E

SLUSFA3C – JUNE 2023 – REVISED FEBRUARY 2025

Changes from Revision B (February 2024) to Revision C (February 2025)	Page
• Removed 1.5A and 3A IBAT_PK Settings.....	8
• Changed T _{ADC_CONV} Typical values.....	8
• Deleted "The converter is in constant-voltage regulation" from Section 8.3.5.3	22
• Changed recommended values of RT1 and RT2 in Section 8.3.5.4.2	23
• Updated description of ADC behavior in HIZ Mode in Section 8.3.6	25
• Updated references to BATFET_DLY timing in Section 8.3.8.1	27
• Changed 'VBUS_OVP_STAT' to 'VBUS_FAULT_STAT' in Section 8.3.9.2.1	29
• Updated wait times related to I2C communication in Section 8.5.1	32
• Removed IBAT_PK 1.5A and 3A Settings in Register Map.....	35
• Added Notes column to Register Map.....	35



BQ25628E

SLUSFA4C – JUNE 2023 – REVISED FEBRUARY 2025

Changes from Revision B (February 2024) to Revision C (February 2025)	Page
• Removed 1.5A and 3A IBAT_PK Settings.....	8
• Changed T _{ADC_CONV} Typical values.....	8
• Removed "The converter is in constant-voltage regulation" from Section 8.3.5.3	22
• Changed recommended values of RT1 and RT2 in Section 8.3.5.4.2	23
• Updated description of ADC behavior in HIZ Mode in Section 8.3.6	25
• Updated references to BATFET_DLY timing in Section 8.3.8.1	27
• Changed 'VBUS_OVP_STAT' to 'VBUS_FAULT_STAT' in Section 8.3.9.2.1	29
• Updated wait times related to I2C communication in Section 8.5.1	32
• Removed IBAT_PK 1.5A and 3A Settings in Register Map.....	35
• Added Notes column to Register Map.....	35

The datasheet number will be changing.

Device Family	Change From:	Change To:
BQ25622E	SLUSFA3B	SLUSFA3C
BQ25628E	SLUSFA4B	SLUSFA4C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/BQ25622E>
<http://www.ti.com/product/BQ25628E>

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive /

negative):

No anticipated impact. There are no changes to the actual device.

Changes to product identification resulting from this PCN:

None.

Product Affected:

BQ25622ERYKR	BQ25628ERYKR		
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For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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