



Product Change Notification

ENP-PCN-2013-01
March 20, 2013

PCN Overview

PCN Original Issue Date:	March 20, 2013	
Type of Change Notification:	Product Data Sheet	
Sample Availability:	N/A	
Expected First Ship Date:	N/A	
Last Date to Buy Pre-Change Product:	N/A	
Affected Products:	EN2340QI	
Reference Documents:	EN2340QI Data Sheet JEDEC Standard JESD46C	
PCN Revision History:		
Revision Date: March 20, 2013	Revision Number: 00	Reason: initial issue

Reason Change

Product Data Sheet has been updated from Rev C to Rev D to provide a better and more accurate description for the device functional characteristics.

Customer Impact of Change and Recommended Action

Customers are requested to review the latest Data Sheet for changes. The Data Sheet is accessible on Enpirion website:

<http://www.enpirion.com/products-dcdc-converter-step-down-buck-12v-en2340qi.htm>

A board re-design may be needed for some customer applications. The Enpirion Applications Support Team will be happy to review customer schematics and board layout and recommend changes if needed.

The Applications Team can be contacted at:

TechSupport@Enpirion.com

Description of Change

Summary of Important Changes from EN2340QI Datasheet Rev C to Rev D

- Changed V_{OUT} Accuracy bullet point under Features section.....	Page 1
- Updated Simplified Applications Circuit (R_{PG} , C_{VDDB}).....	Page 1
- Updated PVIN slew rate for single supply mode.....	Page 4
- Updated Note 1.....	Page 4
- Updated Note 2.....	Page 4
- Added UVLO min and max values into Electrical Characteristics table.....	Page 5
- Increased DISABLE maximum value.....	Page 5
- Decreased ENABLE minimum value.....	Page 5

- Increased External SYNC Clock range..... Page 5
- Updated block diagram..... Page 10
- Added single and dual supply startup sequencing diagram..... Page 11
- Updated ENABLE Operation with fast slew rate recommendation..... Page 12
- Updated Frequency Synchronization description..... Page 12
- Updated Recommended RFS resistor values in Table..... Page 12
- Added RCLX selection graph..... Page 13
- Updated and expanded recommended RCLX resistor values..... Page 13
- Added Minimum ESR for Bulk Capacitance at Load Table..... Page 15
- Updated Note 7..... Page 16
- Updated thermal shutdown value..... Page 17
- Updated Figure 13..... Page 18
- Updated Figure 14..... Page 19
- Updated Figure 16..... Page 21

Customer Acknowledgement

Customers are requested to acknowledge this notification within 30 days of its issue date. Lack of response within 30 days of PCN release will constitute an acceptance of the change.

Please contact Enpirion at customerservice@enpirion.com, your manufacturers’ representative, or distributor if you have any issues with this PCN or require additional information.

Customer: _____ Name: _____
 Title: _____ Phone: _____ Email: _____
 Customer Comments: _____
 Customer Signature: _____ Date: _____

Contact Information

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To locate your area Representative or Distributor visit the Enpirion Website: www.enpirion.com

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