

Notification Number:	20220325000.0.	Notification Date:	April 01, 2022
Title:	Datasheet for LMR436x0-Q1		
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.



LMR43620-Q1, LMR43610-Q1
SNVSBE0D – OCTOBER 2020 – REVISED MARCH 2022

Changes from Revision C (December 2021) to Revision D (March 2022)

Page

• Added functional safety bullet in the Features section.....	1
• Changed title to reflect less than 2.5- μ A I_Q	1
• Updated efficiency graph on front page, and replaced mention of pseudorandom spread spectrum with dual random spread spectrum.	1
• Updated Section 5 and included links to Device Nomenclature legend.....	4
• Updated BOOT nomenclature in Absolute Maximum Ratings.....	6
• Combined Electrical Characteristics table, Timing, and Switching characteristics tables. Included 5-V fixed output device information and included 1-A device current limit specifications. Added spread spectrum specification.....	6
• Updated BOOT nomenclature in the Electrical Characteristics table.....	6
• Changed pseudorandom to dual random spread spectrum.....	11
• Updated enable behavior and start-up images as well as $V_{EN-WAKE}$ from 0.4 V to 0.5 V.....	13
• Corrected PGOOD nomenclature.....	16
• Corrected VCC rail voltage and clarified information.....	17
• Updated BOOT nomenclature.....	18
• Corrected type of spread spectrum used by device.....	19
• Corrected current limit nomenclature.....	21
• Corrected information in Section 8.3.12	22
• Corrected the enable wake-up threshold voltage from 0.4 V to 0.7 V.....	23
• Removed information regarding VCC UVLO levels to remain consistent with information provided in the Electrical Characteristics.....	23
• Updated the nomenclature of the minimum input voltage from V_{IN_R} to V_{INMIN} to align with the Electrical Characteristics.....	23
• Changed $I_{PEAK-MIN}$ to $I_{PEAKMIN}$ to align with Electrical Characteristics nomenclature.....	24
• Changed FB to VOUT/FB to align with pin nomenclature.....	25
• Updated Figure 9-1 to reflect RT pin.....	30
• Changed 'pin 8' to 'VOUT/FB' in Section 9.2.2.2	31
• Changed I_{LIMIT} and I_{SC} to I_{VALMAX}	32
• Included maximum C_{FF} limit.....	33
• Added 5-V fixed in Section 9.2.3	36
• Included Section 12.1.2	45

The datasheet number will be changing.

Device Family	Change From:	Change To:
LMR436x0-Q1	SNVSBE0C	SNVSBE0D

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/LMR43620-Q1>

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:			
LMR43610MSC3RPERQ1	LMR43620MSC3RPERQ1	PMR43620MSC3RPERQ1	

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_ww_admin_team@list.ti.com

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