



PRODUCT BULLETIN # 20235

Generic Copy

Issue Date: 04-Oct-2013

TITLE: Datasheet Change of VIN shutdown current typical values and addition of OVP threshold min-max limits for NCP81038.

PROPOSED FIRST SHIP DATE: 04-Jan-2014

AFFECTED CHANGE CATEGORY(S): Datasheet Revision

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor sales office or Mon Lingbaoan <Mon.Lingbaoan@onsemi.com>

NOTIFICATION TYPE:

ON Semiconductor considers this change approved unless specific conditions of acceptance are provided in writing. To do so, contact <quality@onsemi.com>.

DESCRIPTION AND PURPOSE:

First change is a correction on a typo on the datasheet for the typical value of the parameter VIN shutdown current. This is not a die change but only a typical value correction.

Second change is the addition of minimum and maximum limits for the OVP threshold parameter. This was previously a typical spec only.

Before:

Parameter	Test Conditions	Min	Typ	Max	Unit
Shutdown Current (Ivin_sd)	EN1, EN2, LDOEN, LDO2_EN = 0		5		uA
	EN1, EN2, LDOEN = 5 V, LDO2_EN = 5 V		100		uA
	EN1, EN2 = 0, LDOEN = 5V, LDO2_EN = 2.5 V		350		uA
	EN1, EN2 = 0, LDOEN = 5V, LDO2_EN = 0		300		uA

Parameter	Test Conditions	Min	Typ	Max	Unit
Output Overvoltage Rising Threshold	After VCC POR, with respect to VFB		110		% Vref



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After:

Parameter	Test Conditions	Min	Typ	Max	Unit
Shutdown Current (Ivin_sd)	EN1, EN2, LDOEN, LDO2_EN = 0		5		uA
	EN1, EN2, LDOEN = 5 V, LDO2_EN = 5 V		1.15		mA
	EN1, EN2 = 0, LDOEN = 5V, LDO2_EN = 2.5 V		1.57		mA
	EN1, EN2 = 0, LDOEN = 5V, LDO2_EN = 0		1.11		mA

Parameter	Test Conditions	Min	Typ	Max	Unit
Output Overvoltage Rising Threshold	After VCC POR, with respect to VFB	106	110	118	% Vref

List of affected General Parts:

NCP81038MNTWG
 NCP81038AMNTWG
 NCP5228MNTWG