ON Semiconductor®

Product Bulletin

Document # : PB22480X
Issue Date: 2 October 2018

Title of Change:	LV52207NXB-VH datasheet change
Effective date:	2 October 2018
Contact information:	Contact your local ON Semiconductor Sales Office or Tsutomu Tanaka <Tsutomu.Tanaka@onsemi.com>, or Nobuyuki Otaka <Nobuyuki.Otaka@onsemi.com>
Type of notification:	This Product Bulletin is for notification purposes only. ON Semiconductor will proceed with implementation of this change upon publication of this Product Bulletin.
Change Category:	☐ Wafer Fab ☐ Assembly Change ☐ Test Change ☑ Other Datasheet

Change Sub-Category(s):

☐ Manufacturing Site Addition
☐ Manufacturing Site Transfer
☐ Manufacturing Process Change
☐ Material Change
☐ Product specific change
☑ Datasheet/Product Doc change
☐ Shipping/Packaging/Marking
☐ Other: _____

Sites Affected:	ON Semiconductor Sites: None	External Foundry/Subcon Sites: None

Description and Purpose:

This PB announces the following datasheet changes for LV52207NXB-VH:

	Current	New
Min. Duty% on PWM pin	0.9%	0.5%
PWM DIMMING CONTROL Explanation	None	**PWM DIMMING CONTROL** To avoid LED light off, 75uA offset per channel for PWL duty was designed. $I_{LED} = I_{LED\_FULL} * 0.00375 + (I_{LED\_FULL} - I_{LED\_FULL} * 0.00375) *$ PWMDUTY PWMDUTY: PWM pin DUTY ILED_FULL * 0.00375 ≅ $75uA$ *This formula is applicable at PWM=10KHz. When used the higher frequency, a gap gradually occurs.

The change will not impact form, fit, or function of product(s)

List of Affected Parts:

LV52207NXB-VH