



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:	<input type="checkbox"/> Wafer Fab <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other <u> Datasheet </u>	
Change Sub-Category(s):	<input type="checkbox"/> Manufacturing Site Addition <input type="checkbox"/> Material Change <input checked="" type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Site Transfer <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> 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	<p>PWM DIMMING CONTROL To avoid LED light off, 75uA offset per channel for PWL duty was designed.</p> $I_{LED} = I_{LED_FULL} * 0.00375 + (I_{LED_FULL} - I_{LED_FULL} * 0.00375) * PWMDUTY$ <p>PWMDUTY: PWM pin DUTY $I_{LED_FULL} * 0.00375 \cong 75\mu A$ *This formula is applicable at PWM=10KHz. When used the higher frequency, a gap gradually occurs.</p>
The change will not impact form, fit, or function of product(s)		
List of Affected Parts:		
LV52207NXB-VH		



Appendix A: Changed Products

Product	Customer Part Number
LV52207NXB-VH	