

---

# PRODUCT CHANGE NOTICE

## Data Sheet Specification Change for Intersil Product ZL1505\*

Refer to:  
PCN10111

Date: November 12, 2010

November 12, 2010

To: Our Valued Intersil Customers

Subject: **Data Sheet Specification Change for Intersil Product ZL1505\***

This notice is to inform you that Intersil has updated the data sheet specification for the listed ZL1505\* products. The changes to the PWM Input Logic Low ( $V_{IL}$ ) and PWM Input Logic High ( $V_{IH}$ ) limits are necessary to maintain product manufacturability in support of customer delivery requirements. The removal of the maximum limits for the Minimum PWMH On-time to Produce GH Pulse ( $t_{PWMH,ON}$ ), Minimum GH On-time Pulse ( $t_{GH,ON}$ ), and Minimum PWMH Off-time to Produce Valid GH Pulse ( $t_{PWMH,OFF}$ ) parameters align the data sheet specification with the historical test methodology. The updated data sheet is available on the Intersil web site at <http://www.intersil.com/data/fn/fn6845.pdf>.

Products affected: **ZL1505ALNNT ZL1505ALNNT1 ZL1505ALNNT6**

PWM Input Characteristics								
Parameter	Symbol	Current Limit			New Limit			Units
		Min	Typ	Max	Min	Typ	Max	
PWM Input Logic Low, $V_{IL}$	VDD = 6.5V	1.7	2	2.2	-	-	<b>1.7</b>	V
	VDD = 5.0V	1.5	1.7	1.9	-	-	<b>1.4</b>	
PWM Input Logic High, $V_{IH}$	VDD = 6.5V	2.8	3.1	3.4	<b>3.4</b>	-	-	
	VDD = 5.0V	2.2	2.5	2.7	<b>2.7</b>	-	-	
Minimum PWMH On-time to Produce GH Pulse	$t_{PWMH,ON}$	-	8.5	12	-	<b>12</b>	-	nS
Minimum GH On-time Pulse	$t_{GH,ON}$ CGH = 0	-	10	14	-	<b>14</b>	-	
	$t_{GH,ON}$ CGH = 3	-	14	20	-	<b>20</b>	-	
Minimum PWMH Off-time to Produce Valid GH Pulse	$t_{PWMH,OFF}$	-	13	17	-	<b>17</b>	-	

There will be no change in external marking of the packaged parts. Parts affected by this change are identifiable via Intersil's internal traceability system.

Intersil will take all necessary actions to conform to customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied. Customers may expect to receive product electrically screened to the revised data sheet conditions beginning *ninety* days from the date of this notification or earlier with approval.

If you have concerns with this change notice, Intersil must hear from you promptly. Please contact the nearest Intersil Sales Office or call the Intersil Corporate line at 1-888-468-3774, in the United States, or 1-321-724-7143 outside of the United States.

*Jon Brewster*

Jon Brewster  
Intersil Corporation

PCN10111

CC: J. Touvell T. Wolter M. Pandola