



DATE: 6 February, 2017

PCN #: 2257

PCN Title: Datasheet Change for High Level Gate Driver Output Voltage Minimum and Typical Values on Select Analog Parts

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. If you require samples for evaluation purposes, please make a request within 30 days as well. Otherwise, samples may not be built prior to this change. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

The changes announced in this PCN will not be implemented earlier than 90 days from the notification date stated in the attached PCN form.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team



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**PRODUCT CHANGE NOTICE****PCN-2257 REV 00**

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Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
6 February, 2017	6 May, 2017	Analog	Datasheet change	<b>2257</b>
<b>TITLE</b>				
Datasheet Change for High Level Gate Driver Output Voltage Minimum and Typical Values on Select Analog Parts				
<b>DESCRIPTION OF CHANGE</b>				
This PCN is being issued to notify customers that there will be changes to the datasheet as described in the Figures below. Please contact your local Diodes representatives for any questions or additional information.				
<b>IMPACT</b>				
Figure 1: Current Datasheet – Electrical Characteristics for ZXLD1370EST16TC Figure 2: Updated Datasheet - Electrical Characteristics for ZXLD1370EST16TC Figure 3: Current Datasheet – Electrical Conditions for ZXLD1371EST16TC Figure 4: Updated Datasheet – Electrical Conditions for ZXLD1371EST16TC  There will be no change to the Form or Fit of affected products.				
<b>PRODUCTS AFFECTED</b>				
ZXLD1370EST16TC, ZXLD1371EST16TC				
<b>WEB LINKS</b>				
<b>Manufacturer's Notice:</b>	<a href="http://www.diodes.com/pcns">http://www.diodes.com/pcns</a>			
<b>For More Information Contact:</b>	<a href="http://www.diodes.com/contacts.html">http://www.diodes.com/contacts.html</a>			
<b>Data Sheet:</b>	<a href="http://www.diodes.com/catalog">http://www.diodes.com/catalog</a>			
<b>DISCLAIMER</b>				
<b>Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.</b>				

**Figure 1: Current Datasheet – Electrical Characteristics for ZXLD1370EST16TC**

**Electrical Characteristics** (cont.) ( $V_{IN} = V_{AUX} = 12V$ ,  $T_A = +25^\circ C$ , unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Units
<b>Driver output (PIN GATE)</b>						
$V_{GATEH}$	High level output voltage	No load Sourcing 1mA (Note 14)	10	11		V

**Figure 2: Updated Datasheet - Electrical Characteristics for ZXLD1370EST16TC**

$V_{GATEH}$	High Level Output Voltage	No Load Sourcing 1mA (Note 15)	$V_{IN} = V_{AUX} = 12V$ 9.5	10.5	—	V
			$V_{IN} = V_{AUX} = 6.5V$ 4	5		

**Figure 3: Current Datasheet – Electrical Characteristics for ZXLD1371EST16TC**

**Electrical Characteristics** (cont.) (Test conditions:  $V_{IN} = V_{AUX} = 12V$ ,  $T_A = 25^\circ C$ , unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Units
<b>Driver output (PIN GATE)</b>						
$V_{GATEH}$	High level output voltage	No load Sourcing 1mA (Note 12)	10	11		V

**Figure 4: Updated Datasheet – Electrical Characteristics for ZXLD1371EST16TC**

<b>Driver output (PIN GATE)</b>						
$V_{GATEH}$	High-level output voltage	No load Sourcing 1mA (Note 14)	$V_{IN} = V_{AUX} = 12V$ 9.5	10.5	-	V