DATE: 9 February, 2017

PCN #: 2248

PCN Title: Lead Frame Supplier Change and Datasheet Change for High Level Gate Driver Output Voltage Minimum and Typical Values on Select Analog Automotive 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
PRODUCT CHANGE NOTICE

PCN-2248 REV 00

<table>
<thead>
<tr>
<th>Notification Date:</th>
<th>Implementation Date:</th>
<th>Product Family:</th>
<th>Change Type:</th>
<th>PCN #:</th>
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<tbody>
<tr>
<td>9 February, 2017</td>
<td>9 May, 2017</td>
<td>Analog - Automotive</td>
<td>Lead Frame Supplier and Datasheet change</td>
<td>2248</td>
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TITLE

Lead Frame Supplier Change and Datasheet Change for High Level Gate Driver Output Voltage Minimum and Typical Values on Select Analog Automotive Parts

DESCRIPTION OF CHANGE

This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes has qualified lead frames from supplier ASM for below listed products. The current supplier of lead frames will cease production. The base material, dimensions and plating of the lead frame are not changing.

Additionally a change will be made to the ZXLD1371QESTTC datasheet as follows: Change of VGateH min limit from 10V to 9.5V @ 12V Vin. See Figures 1 & 2 on the following page.

Figure 1: Current Datasheet – Electrical Conditions for ZXLD1371QESTTC
Figure 2: Updated Datasheet – Electrical Conditions for ZXLD1371QESTTC

Full electrical characterization and high reliability testing has been completed on representative part numbers using lead frames from ASM.

There will be no change to the Form or Fit of affected products.

IMPACT

Part Numbers Affected:
ZXLD1370QESTTC – Lead Frame Supplier Change
ZXLD1371QESTTC - Lead Frame Supplier Change and Datasheet Change

PRODUCTS AFFECTED

ZXLD1370QESTTC, ZXLD1371QESTTC

WEB LINKS

Manufacturer’s Notice:  http://www.diodes.com/pcns
For More Information Contact:  http://www.diodes.com/contacts.html
Data Sheet:  http://www.diodes.com/catalog

DISCLAIMER

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

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Parameter</th>
<th>Conditions</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
<th>Units</th>
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<tbody>
<tr>
<td>$V_{GATE_H}$</td>
<td>High level output voltage</td>
<td>No load Sourcing 1mA (Note 12)</td>
<td>10</td>
<td>11</td>
<td></td>
<td>V</td>
</tr>
</tbody>
</table>

### Figure 2: Updated Datasheet – Electrical Characteristics for ZXLD1371QESTTC

| $V_{GATE_H}$ | High level output voltage | $V_{in} = V_{aux} = 12V$ | 9.5 | 10.5 | —   | V     |