

## IXYS ICD Product Change Notification (PCN)

**PCN1065**

**4-Pin SOP Optical Devices Data Sheet Change**

**June 19, 2018**

### Detailed Description of Change

IXYS Integrated Circuits Division has qualified a new mold epoxy for our 4-pin SOP solid state relays that ensures these parts are now halogen-free providing an environmentally green product.

In addition, the Input Voltage Drop ( $V_F$ ) maximum specification at  $I_F=5mA$  for the LED input on these products has changed from 1.4V to 1.5V. The forward voltage ( $V_F$ ) is increased to ensure the security of supply due to high demand for these products.

The changes are effective immediately and are documented in the updated data sheets for these products, which are available online at [www.ixysic.com](http://www.ixysic.com).

The PCN number assigned to this action is **PCN1065** and should be referenced in any correspondence related to the change.

### Reason for Change

The new mold epoxy will provide an environmentally green solution to our customers.

The change in maximum LED Input Voltage Drop is for security of supply requiring specification relief.

### Products Affected

(All versions of product numbers below including tape & reel and tube)

CPC1001N / CPC1001NTR	CPC1114N / CPC1114NTR
CPC1002N / CPC1002NTR	CPC1117N / CPC1117NTR
CPC1004N / CPC1004NTR	CPC1125N / CPC1125NTR
CPC1009N / CPC1009NTR	CPC1130N / CPC1130NTR
CPC1019N / CPC1019NTR	CPC1135N / CPC1135NTR
CPC1020N / CPC1020NTR	CPC1231N / CPC1231NTR
CPC1106N / CPC1106NTR	

### Anticipated Impact on Quality and Reliability

The change will have no effect on product quality or reliability.

### Contact Information

For any questions related to the PCN notice, please contact IXYS Integrated Circuits Division's Quality Assurance Department as indicated below:

Martha Brandt, Quality Assurance Department  
IXYS Integrated Circuits Division  
78 Cherry Hill Dr. Beverly MA, 01915  
Phone: 978-524-6700

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To Our Valued Customers:

The following is to inform IXYS Integrated Circuits Division customers of an impending change on some of our products. These changes are part of our effort and commitment to continuous improvement of our processes and products. IXYS Integrated Circuits Division's quality system requires customer notification under the circumstances outlined below.

IXYS Integrated Circuits Division's notification policy states:

*IXYS Integrated Circuits Division is mindful that changes to process or product could have an adverse impact on our customers.*

*Therefore we verify, through our qualification methodology, that a change does not negatively affect product quality or reliability. We also verify that it does not impact form, fit, or function.*

*Changes to function are notified to the customer if the change could adversely affect the customer but not if the change is to enhance product performance beyond the current specification, for example, higher isolation voltage capability for Solid State Relays.*

*In cases where a planned change would impact form, fit, or would adversely affect function, quality or reliability, we notify the customer 90 days in advance.*

*We also notify our customers of planned product obsolescence.*

The following definitions apply:

*Form: the visual appearance including color, marking, and surface finish*

*Fit: the external dimensions and associated tolerances*

*Function: the electrical, mechanical, thermal, quality and reliability performance characteristics*

IXYS Integrated Circuits Division notifies customers of the changes using a Product Change Notification (PCN). Attached are the details of the pending product change.

Sincerely,

Steven Andrezyk  
Director of Marketing  
IXYS Integrated Circuits Division

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