

**MSL Rating Data Sheet Change
PCN1045
January 12, 2016**

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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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Beverly MA, 01915
Phone: 978-524-6700

Product Change Notification (PCN)

PCN1045 MSL Rating Data Sheet Change

January 8, 2016

Detailed Description of Change

IXYS Integrated Circuits Division has made a specification change to the data sheet of the devices listed in the "Products Affected" section of this PCN.

The moisture sensitivity level (MSL) rating for the GR and GRTR- suffix package (4-Pin surface mount) has been changed from MSL 1 to MSL 3 rating. The solder reflow profile for these devices is also specified in the data sheet which references IXYS Integrated Circuits Tech Brief TB-200 found on our web site at www.ixysic.com

This change is effective immediately and is documented in the recent revision of the product data sheets which are available online at www.ixysic.com.

The PCN number assigned to this action is **PCN1045** and should be referenced in any correspondence related to the change.

Reason for Change

Additional factory preparation due to the MSL 3 rating (bake, dry pack and seal) of these devices will protect the package from moisture ingress while in transit and during storage thereby preventing any popcorning or cracking of the device package during solder reflow.

Products Affected

- CPC1301GR
- CPC1301GRTR
- CPC1303GR
- CPC1303GRTR
- CPC1330GR
- CPC1330GRTR
- CPC1333GR
- CPC1333GRTR
- CPC1390GR
- CPC1390GRTR
- CPC1393GR
- CPC1393GRTR
- CPC1394GR
- CPC1394GRTR

Products NOT Affected

Note that the G (DIP style) and GV (DIP V-Bend style) package versions of these products will remain at the MSL 1 rating classification level.

- CPC1301G

- CPC1303G
- CPC1330G
- CPC1333G
- CPC1390G
- CPC1390GV
- CPC1393G
- CPC1393GV
- CPC1394G
- CPC1394GV

Anticipated Impact on Quality and Reliability

This change will improve the quality and reliability of the product received by the customer by eliminating the effect of uncontrolled environmental conditions once the product is shipped from IXYS Integrated Circuits Division.

Contact Information

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

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