

Microsemi Corporation

June 2016

Product Change Notification (PCN) No: PCN 2016-008**Subject: Product Change Notification Assembly Transfer SOT-143 packages**

Description: This notification is to announce that Microsemi has approved a second source assembly partner for the SOT-143 TVS array devices. This assembly partner is an existing supplier of Microsemi components and is located in Thailand.

Reason for this PCN: Stream line product offerings to better service our customers

Date Code Implementation: 1624

Open orders: All currently scheduled orders shall be delivered per the dateds reflected in the order acknolegmeent from Microsemi

Qualification Summary data is enclosed in the Appendix section below. Further technical information is available from your local Sales office

There will be no changes in device functionality.

Products affected by this Product Change Nofiication:

<u>MSC part number</u>	<u>Device type</u>	<u>Package</u>
USB50403xxx/TR7	TVS array	SOT-143
USB50405xxx/TR7	TVS array	SOT-143
USB50412xxx/TR7	TVS array	SOT-143
USB50415xxx/TR7	TVS array	SOT-143
USB50424xxx/TR7	TVS array	SOT-143

Appendix

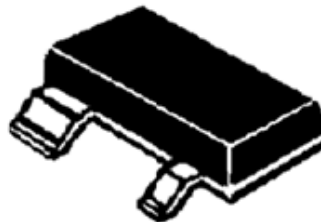
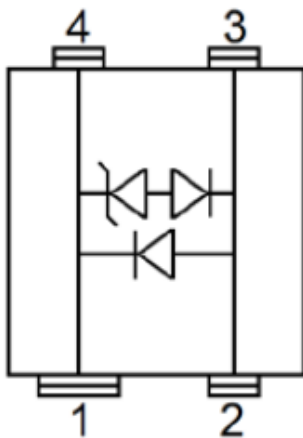
Qualification Results Summary

All tests performed on devices met the requirements.
See section *Qualification testing process* for more results

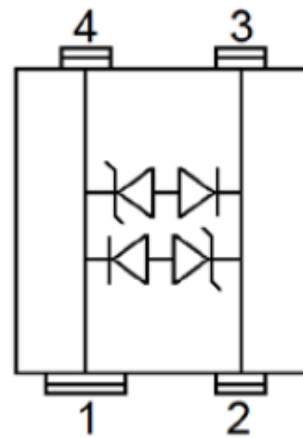
An MSL level of 1 was attained from MSL classification testing.
Therefore it is recommended to transfer assembly of these devices to UTAC

Qualification Data Summary							
Screening Level	Test Performed	Conditions	Duration or Qty	Standard / Ref	Sample size	No. Of Lots	Failures
M	External Visual	-	-	JESD22-B-101B	100	3	0
M	Autoclave	121 °C, 100 % RH, 15 psig	96 hours	JESD22-A102	77	3	0
M	H ³ TRB	85°C, 85% RH, 15psig, 80% of V _{WM}	1000 hours	JESD22-A101	77	3	0
M	Temperature cycling	-55°C, +150°C	1000cycles	JESD22-A-104	77	3	0
M	D.P.A	-	-	AEC-Q101-004 Section 4	2	3	0
M	Resistance to Solder Heat	-	-	JESD22-B106	5	3	0
M	Terminal Strength	-	-	MIL-STD-750 Method 2036	5	3	0

Unipolar



Bipolar



Contact Information:

If you have any questions concerning this change please contact your regional Microsemi Sales person: <http://www.microsemi.com/sales-contacts/0>

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Regards,

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Any projected dates in this notification are based on the most current product information at the time this PCN is being issued, but they may change due to unforeseen circumstances. For the latest schedule and any other information, please contact your local Microsemi Sales Office, the factory contact shown above, or your local distributor.

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