

## Product Change Notice

Issue Date: 20 July 2007

### Change Type:

Introduction of new source of lead frame for 30° PLCC4.

### Parts Affected:

HSMA-A430-W90M1
HSMA-A431-X90M1
HSMA-A431-Y00M1
HSMA-A431-Z5WM1
HSMC-A430-W50M1
HSMC-A431-X90M1
HSMJ-A430-W50M1
HSMJ-A431-X90M1
HSML-A431-X90M1
HSMM-A430-W90M2
HSMN-A430-U50M2
HSMN-A431-T50M2
HSMV-A430-Y90M1

### Description and Extent of Change:

In order to assure the supportability and delivery to customers, Avago has qualified a new source of lead frame.

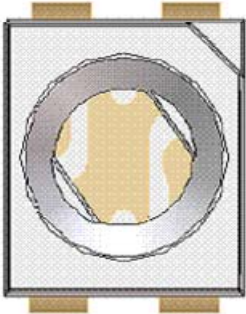
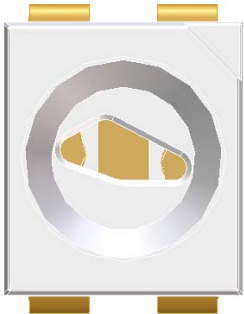
### Reasons for Change:

This change is to ensure consistency of supply and on-time delivery to customer.

### Effect of Change on Fit, Form, Function, Quality, or Reliability:

There is no change of fit, function, reliability and external form.

However, the internal layout has slight differences as shown below:

	Existing Lead Frame	New Lead Frame
Lead frame layout		

\*Note that device shown is after removal of lens.

**Effective Date of Change:**

The shipment of products with new lead frame source will begin on 20 August 2007.

There will be no mix of old and new lead frame source within the same reel. During the first 90 days of PCN issue date; there will be no mix of old and new lead frame source within the same shipment. After which, different source can be shipped in the same shipment and this can be identified from the baby label on the reel and mother label on the MBB.

**Qualification Data:**

Qualification data has been generated and approved as follows:

Item	Test Type	Stress Condition	Result
1	Room temperature operating life test	Ta = 25°C	Passed
2	High temperature operating life test 3	Ta = 100°C	Passed
3	Low temperature operating life test	Ta = -40°C	Passed
4	High temp. & high humidity life test	Ta = 85°C, RH = 85%	Passed
5	High temperature storage life test	Ta = 100°C	Passed
6	Low temperature storage life test	Ta = -40°C	Passed
7	High temp. & high humidity storage test	Ta = 85°C, RH = 85%	Passed
8	Temperature cycling test	-55°C to 100°C, 15 5 15 min	Passed

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These changes have been reviewed and approved by Avago Technologies engineers and managers per Avago Technologies procedure: Change Control and Customer Notification, A-5962-6052-80.

Please contact your Avago Technologies field sales engineer or Contact Center (<http://www.avagotech.com/contact/>) for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.