

Product Change Notice

Issue Date: 30th December 2009

Type of Change(s):

Please be informed that Avago Technologies is making the following product changes on ChipLEDs listed below:

- 1) Introduction of an alternate manufacturing site in China for part number in Category 1 per Appendix A.
- 2) Introduction of an alternate dice source for part number in Category 2 per Appendix A.
- 3) Update of recommended reflow soldering profile in product data sheet for part number in Category 1 per Appendix A.

Parts Affected:

Please refer to Appendix A for list of relevant part numbers.

Description and Extent of Changes:

1. Alternate manufacturing site

The selected manufacturing site has undergone Avago's qualification process and is deemed suitable as alternate site for ChipLEDs.

2. Alternate dice source

The selected die source has undergone Avago's qualifications and has met Avago's quality, reliability and functionality requirements.

3. Update of recommended reflow soldering profile

New recommended reflow soldering profile is as attached in the example datasheet in Appendix C.

Reasons for Change:

1. Alternate manufacturing site

- To ensure supply continuity of the part numbers as per Appendix A.

2. Alternate die source

- To ensure supply continuity of the part numbers as per Appendix A.

3. Update of recommended reflow soldering profile

- To align with general industry trend.

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

There is no effect on fit and function as per datasheet. Qualification and characterization have been conducted to ensure both current and new manufacturing sources are comparable.

Comparison of the physical appearance between existing and alternate manufacturing sites is as shown in Appendix B.



Effective Date of Change:

The changes will be implemented starting 30th Jan 2010. There may be mixed shipments between current and new source after the effective date of change.

Qualification Data:

Qualification data has been generated. The Reliability Datasheet reflecting this change will be available upon request.

Thank you for your continuous support.

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.