

## Product Change Notice

**Date: 25 May 2007**

**Change Type:**

Avago Technologies has qualified alternate GaP die for Chip LEDs.

**Parts Affected:**

HSMD-C110	HSMG-C177-00004	HSMS-C170-000TW	HSMY-C177-00004	QSMG-C174
HSMD-C120	HSMG-C190	HSMS-C170-000TW	HSMY-C190	QSMG-C188
HSMD-C150	HSMG-C190-000C1	HSMS-C177	HSMY-C190-000TW	QSMG-C189
HSMD-C170	HSMG-C190-000TW	HSMS-C177-00004	HSMY-C190-000TW	QSMG-C193
HSMD-C170-000TW	HSMG-C190-000TW	HSMS-C190	HSMY-C191	QSMG-C194
HSMD-C170-000TW	HSMG-C191	HSMS-C190-000TW	HSMY-C191-000TW	QSMG-C195
HSMD-C177	HSMG-C191-000TW	HSMS-C190-000TW	HSMY-C191-000TW	QSMG-C196
HSMD-C190	HSMG-C191-000TW	HSMS-C191	HSMY-C192	QSMG-C198
HSMD-C190-000TW	HSMG-C191-LLV00	HSMS-C191-000TW	HSMY-C197	QSMG-C199
HSMD-C190-000TW	HSMG-C192	HSMS-C191-000TW	HSMY-C280	QSMG-C199
HSMD-C191	HSMG-C197	HSMS-C197	HSMY-C660	QSMG-C19A
HSMD-C191-000TW	HSMG-C265	HSMS-C280	QSMD-C109	QSMG-C19B
HSMD-C191-000TW	HSMG-C280	HSMS-C660	QSMD-C149	QSMS-C109
HSMD-C197	HSMG-C660	HSMS-C680	QSMD-C169	QSMS-C149
HSMG-C110	HSMG-C660#S02	HSMS-C680	QSMD-C187	QSMS-C189
HSMG-C111	HSMG-C680	HSMY-C110	QSMD-C188	QSMS-C198
HSMG-C120	HSMG-C680	HSMY-C111	QSMD-C189	QSMS-C19B
HSMG-C150	HSMG-C690	HSMY-C150	QSMD-C193	QSMY-C109
HSMG-C151	HSMG-L640	HSMY-C151	QSMG-C109	QSMY-C149
HSMG-C170	HSMS-C110	HSMY-C170	QSMG-C121	QSMY-C169
HSMG-C170-000TW	HSMS-C120	HSMY-C170-000TW	QSMG-C129	QSMY-C188
HSMG-C170-000TW	HSMS-C150	HSMY-C170-000TW	QSMG-C149	QSMY-C189
HSMG-C171	HSMS-C151	HSMY-C171	QSMG-C159	QSMY-C198
HSMG-C177	HSMS-C170	HSMY-C177	QSMG-C169	

**Description and Extent of Change:**

The selected die shall be the alternate choice for Chipleds, which will serve the same functionality as the existing die.

**Reasons for Change:**

To ensure continuous supply of the above mentioned part numbers

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

There is no change of fit, form and function as per datasheet. Qualification and characterization has been conducted with the new dice to ensure the performance is acceptable. The alternate dice show its performance is comparable to the existing dice.

**Effective Date of Change:**

The shipment of alternate dice source will begin from 25 August 2007

**Qualification Data:**

Qualification data has been generated and approved. It will be available upon request.

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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.