



**PCN: V10-003-48475413-0B**

## Product Change Notice

**Issue Date: 5 November 2010**

**Change Type:**

Standardization of Printed Circuit Board (PCB) for Taiwan made HSMxC190 and HSMx-C191 chipled.

**Parts Affected:**

H SMA-C190	H SMH-C192	Q SMA-C198-000TW	Q SME-C194
H SMA-C190-000TW	H SML-C190	Q SMA-C199	Q SME-C195
H SMA-C191	H SML-C190-000TW	Q SMA-C19A	Q SME-C198
H SMA-C191-000TW	H SML-C191	Q SMA-C19B	Q SME-C199
H SMC-C190	H SML-C191-000TW	Q SMA-C19H	Q SME-C19A
H SMC-C190-000TW	H SML-C191-PQ000	Q SMA-C19P	Q SME-C19D
H SMC-C191	H SMS-C190	Q SMC-C184	Q SME-C19P
H SMC-C191-000TW	H SMS-C190-000TW	Q SMC-C186	Q SMG-C187
H SMD-C190	H SMS-C191	Q SMC-C192	Q SMG-C193
H SMD-C190-000TW	H SMS-C191-000TW	Q SMC-C196	Q SMG-C194
H SMD-C191	H SMY-C190	Q SMC-C198	Q SMG-C195
H SMD-C191-000TW	H SMY-C190-000TW	Q SMC-C198-000TW	Q SMG-C196
H SME-C190	H SMY-C191	Q SMC-C199	Q SMG-C198
H SME-C191	H SMY-C191-000TW	Q SMC-C199-000TW	Q SMG-C199
H SME-C191-000TW	H SMY-C192	Q SMC-C19B	Q SMG-C19A
H SMG-C190	H SMZ-C190	Q SMC-C19D	Q SMG-C19G
H SMG-C190-000C1	H SMZ-C190-RT000	Q SMC-C19F	Q SMH-C122
H SMG-C190-000TW	H SMZ-C191	Q SMC-C19P	Q SMH-C187
H SMG-C191	Q SMA-C184	Q SMD-C187	Q SMH-C194
H SMG-C191-000TW	Q SMA-C185	Q SMD-C193	Q SMH-C198
H SMG-C191-LLV00	Q SMA-C192	Q SMD-C194	Q SML-C187
H SMG-C192	Q SMA-C194	Q SME-C186	Q SML-C19D
H SMH-C190	Q SMA-C194-000TW	Q SME-C188	Q SMS-C189
H SMH-C190-000TW	Q SMA-C195	Q SME-C189	Q SMS-C198
H SMH-C191	Q SMA-C196	Q SME-C193	Q SMY-C198
H SMH-C191-000TW	Q SMA-C198	Q SME-C193-000TW	Q SMZ-C199

**Description and Extent of Change:**

The selected PCB source has been qualified and has met Avago's quality, reliability and functionality requirements. There is no difference in the outlook appearance; the slight difference is the internal circuit trace design.

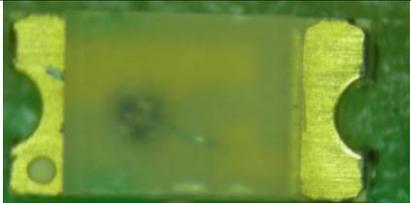
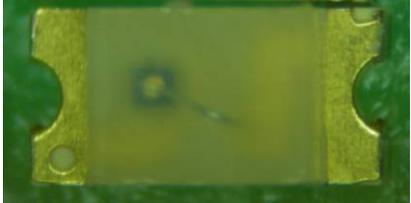
**Reasons for Change:**

- To standardize the PCB between InGaN, AlInGaP, GaP and AlGaAs dice type chipled
- To ensure supply continuity

**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 types of PCB are comparable.

Comparison of the physical appearance between existing and alternate PCB source is as shown below:

	Top View	Bottom View	Side View
New PCB			
Existing PCB			

**Effective Date of Change:**

The changes will be implemented starting 21<sup>th</sup> February 2011. There may be mixed shipments between current and new PCB after the effective date of change.

**Qualification Data:**

Qualification data has been generated and approved. It will be available upon request. Please contact your Avago field sales engineer for further details or support requirements.

Thank you for your continuous support.

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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 90 days.