



PCN: V07-001-SD475420-0A

Product Change Notice

Issue Date: 22 Jun 2007

Change Type:

Conversion of tin plating for PLCC 2 LED from Avago's Taiwan source.

Parts Affected:

PLCC 2 LED from Avago's Taiwanese Source

HSMA-A100-Q00J1	HSME-A100-Q3TJ1	HSMN-A101-P30J1	QSMC-A132-K3JL2
HSMA-A100-Q30J1	HSMG-A100-H01J1	HSMN-A101-P4YJ1	QSMC-A136-R30J1
HSMA-A100-Q35J1	HSMG-A100-H41J2	HSMN-A160-P00J1	QSMC-A139-Q4JJ1
HSMA-A100-Q6WJ1	HSMG-A100-J02J1	HSMN-A161-N00J1	QSMC-A143-S40J1
HSMA-A100-Q70J1	HSMG-A100-K42J2	HSMS-A100-H70J2	QSMC-A143-S40J1
HSMA-A100-Q7WJ1	HSMG-A100-K62J2	HSMS-A100-J00J1	QSMC-A145-S30J1
HSMA-A100-Q83J1	HSMG-A100-K62J5	HSMS-A100-J80J2	QSMC-A148-Q8JJ1
HSMA-A100-R0PJ1	HSMG-A100-K72J2	HSMS-A100-K20J2	QSMC-A149-R70J1
HSMA-A100-R3PJ1	HSMG-A100-L02J1	HSMS-A100-K20J5	QSME-A132-J7TL2
HSMA-A100-R45J1	HSMG-A100-L82J1	HSMS-A100-L00J1	QSME-A149-Q3TJ1
HSMA-A100-R4WJ1	HSMH-A100-L00J1	HSMU-A100-R00J1	QSME-A190-P7LJ1
HSMA-A101-R8WJ1	HSMH-A100-M80J2	HSMU-A100-R9PJ1	QSMG-A123-K52H2
HSMA-A101-S00J1	HSMH-A100-N00J1	HSMU-A100-S00J1	QSMG-A123-K52J2
HSMA-A101-S3WJ1	HSMH-A100-P30J1	HSMU-A100-S40J1	QSMG-A149-L02J1
HSMA-A101-T2WJ1	HSMJ-A100-Q00J1	HSMU-A100-S4WJ1	QSMG-A149-N02J1
HSMA-A160-Q00J1	HSMJ-A100-R40J1	HSMU-A100-T2WJ1	QSML-A118-T00J1
HSMA-A161-Q7WJ2	HSMJ-A101-R80J1	HSMU-A160-R00J1	QSML-A125-S2NJ1
HSMA-A161-S00J1	HSMJ-A101-S00J1	HSMU-A160-S6WJ1	QSML-A136-S3PJ1
HSMA-A161-S3WJ1	HSMK-A100-S00J1	HSMU-A160-T00J1	QSML-A149-R7NJ1
HSMA-A161-S7WJ1	HSMK-A100-S8WJ1	HSMV-A100-R00J1	QSMM-A113-T8YJ1
HSMB-A100-J00J1	HSMK-A101-R00J1	HSMV-A100-S80J1	QSMM-A155-S4PJ1
HSMB-A100-K80J2	HSML-A100-Q00J1	HSMV-A100-T00J1	QSMM-A155-S8PJ1
HSMC-A100-P30J1	HSML-A100-R7PJ1	HSMW-A100-T50J1	QSMN-A113-R00J1
HSMC-A100-P70J1	HSML-A100-R7YJ1	HSMW-A100-U40J1	QSMN-A119-P4QJ1
HSMC-A100-Q00J1	HSML-A101-S00J1	HSMW-A101-R50J1	QSMN-A125-N8BJ1
HSMC-A100-Q40J1	HSML-A101-S40J1	HSMW-A101-S3YJ1	QSMN-A140-Q0JJ1
HSMC-A100-Q70J1	HSML-A101-S4WJ1	HSMY-A100-J00J1	QSMN-A154-Q0JJ1
HSMC-A100-Q80J1	HSMM-A100-S00J1	HSMY-A100-J35J2	QSMN-A155-P8QJ1
HSMC-A100-R00J1	HSMM-A100-S8PJ1	HSMY-A100-K45J2	QSMN-A158-R4WJ1

HSMC-A100-R20J1	HSMM-A100-T7YJ1	HSMY-A100-L00J1	QSMS-A123-K20H2
HSMC-A101-R70J1	HSMM-A100-U2YJ1	HSMY-A100-L4YJ1	QSMS-A123-K20J2
HSMC-A101-S00J1	HSMM-A101-Q7PJ1	HSMZ-A100-R00J1	QSMU-A146-T2WJ1
HSMC-A101-S30J1	HSMM-A101-R00H1	HSMZ-A100-S80J1	QSMU-A146-T6WJ1
HSMC-A160-Q00J1	HSMM-A101-R00J1	HSMZ-A100-T00J1	QSMU-A149-R00J1
HSMC-A161-S00J1	HSMM-A101-R00J1	HSMZ-A100-T70J1	QSMW-A139-T74J1
HSMD-A100-J00J1	HSMM-A101-R4PJ1	HSMZ-A160-T00J1	QSMW-A151-R5MJ1
HSMD-A100-K4PJ2	HSMM-A101-R7PJ1	HSMZ-A160-T60J1	QSMW-A151-T7MJ1
HSMD-A100-L00J1	HSMM-A101-R8PJ1	QSMA-A132-K7YL2	QSMW-A152-T0YJ1
HSMD-A100-L40J1	HSMM-A101-S00J1	QSMA-A134-S3WJ1	QSMW-A155-R80J1
HSME-A100-L01J1	HSMM-A160-S00J1	QSMA-A136-S4WJ1	QSMW-A1C9-M50L2
HSME-A100-L7YJ1	HSMM-A161-R00J1	QSMA-A139-R4PJ1	QSMW-A1W9-R80J1
HSME-A100-M01J1	HSMN-A100-P00J1	QSMA-A140-R3YJ1	QSMY-A123-J35H2
HSME-A100-M02J1	HSMN-A100-R00J1	QSMA-A143-S7NJ1	QSMY-A123-J35J2
HSME-A100-M0LJ1	HSMN-A100-R0YJ1	QSMA-A144-R6WH4	QSMZ-A113-U40J1
HSME-A100-M0LJ1	HSMN-A101-N00H1	QSMA-A147-R2JJ1	QSMZ-A134-T70J1
HSME-A100-M3PJ1	HSMN-A101-N00J1	QSMA-A148-R7NJ1	QSMZ-A149-R00J1
HSME-A100-M4PJ1	HSMN-A101-N8YJ1	QSMA-A157-S6JJ1	
HSME-A100-N32J1	HSMN-A101-N9YJ1	QSMA-A198-T00J1	
HSME-A100-N82J1	HSMN-A101-P00J1	QSMA-A199-T7WJ1	

Description and Extent of Change:

There will be changed of plating material from silver plating to tin plating for PLCC 2 LED external lead from Avago's Taiwan source. There will be no change from Avago's Malaysia source.


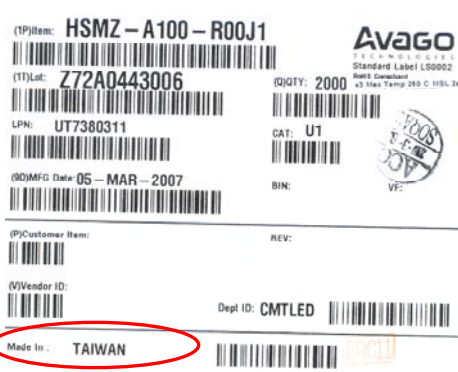
Reason for Change:

To standardize plating material for first and second source.

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

Avago has verified that the change of tin plating does not affect the quality and reliability of the product. However, customer is advised to review the soldering profile to ensure they are meeting Avago recommended application condition. (Application note 1060)

Descriptions of changes are as follows:

	Malaysian Source	Taiwanese Source
Current Plating	Tin Plating	Silver Plating
New Plating	No Change	Tin Plating
Identification	 <p>Mother label for PLCC 2 from Malaysia showing country of origin from Malaysia.</p>	 <p>Mother label for PLCC 2 from Taiwan showing country of origin from Taiwan</p>

Effective Date of Change:

The shipment of PLCC2 with tin plating will begin on 22 July 2007 (MFG Date: 22-JUL-2007). There will be no mix of old and new plating devices within the same reel. However, 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. Avago will not ship out any silver plated parts from Taiwanese source after 1 November 2007.

Qualification Data:

Qualification data has been generated and approved as follows :

No.	Reliability Stress	Industry Standard	Conditions
1.	Moisture Sensitivity Level Certification	Modified J-STD-020B	60°C/ 60% RH, 120hrs (MSL 2a)
2.	Temperature Cycling	Modified JESD22-A104	-55°C to +100°C, 1000cyc
3.	Biased Humidity	JESD22-A101	85°C, 85%RH, 1000 hrs
4.	High Temperature Exposure	Modified MIL-STD-202	85°C, 85%RH, 1000 hrs
5.	Solderability	Modified JESD22-B102	- 260°C, max 10 sec (Pb Free); - 245°C, max 5.5 sec (SnPb)

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.