

Product Change Notice

Issue Date: 22nd December 2014

Change Type:

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

- 1) Introduction of an alternate LED die source
- 2) Introduction of an alternate encapsulant source
- 3) Change gold wire size from 1.2mils to 1.0mil
- 4) Change the reel orientation

Parts Affected:

Group 1

Group 1 involved all 4 changes above.
Please refer to appendix 1 for part numbers involved.

Group 2

Group 2 involved changes on item 1, 2 and 3 only.
Please refer to appendix 2 for part numbers involved.

Description and Extent of Change:

1. Alternate LED die source

The selected LED die source had undergone Avago Technologies’s qualification process and is deemed suitable as alternate LED die source.

2. Alternate LED encapsulant source

The selected LED encapsulant source had undergone Avago Technologies’s qualification process and is deemed suitable as alternate LED encapsulant source.

3. Change of wire size

The selected wire size had undergone Avago Technologies’s qualification process and is deemed suitable to replace current gold wire size.

4. Change of reel orientation



Reasons for Change:

1. Alternate LED die source

Assurance of supply

2. Alternate LED Encapsulant

Assurance of supply

3. Change of wire size

Bond pad size is getting smaller. Hence, wire size has to be reduced for good bondability control.

4. Change of reel method

To standardize taping process to prevent administration error.

Effective Date of Change:

The shipment with above changes will commence 90days upon PCN issuance date.

Qualification Data:

Test Name	MIL-STD/JEDEC Reference	Test Conditions	Units Tested	Units Failed
Temperature Cycle	Avago Req	-40°C/100°C, 30 min dwell, 5 min transfer, 1000 cycles	468	0
Temperature Cycle	Avago Req	-40°C/100°C, 15 min dwell, 5 min transfer, 1000 cycles	468	0
Temperature Humidity Storage Life	Avago Req	Ta= 85°C, RH = 85%RH, 1000hrs	168	0
Temperature Humidity Operating Life	JESD22-A101	Ta= 85°C, RH = 85%RH, 16mA, 1000hrs	168	0
High Temperature Operating Life	JESD22-A108	Ta = 70°C, 22mA, 1000hrs	168	0
High Temperature Operating Life	JESD22-A108	Ta = 55°C, 30mA, 1000hrs	168	0
High Temperature storage Life	Avago Req	Ta= 100°C, 1000hrs	168	0
Pulse test	Avago Req	Ta= 25°C, DF10%. Freq 1khz, 100mA, 1000hrs	84	0

Appendix 1

ASMT-UWB1-NX302	ASMT-UWB2-NW7H2	ASMT-UWB2-ZX3C2	QSMT-UWLM-ZX7C2
ASMT-UWB1-NX312	ASMT-UWB2-NW7J2	ASMT-UWB2-ZX3D2	QSMT-UWWM-ZX3B2
ASMT-UWB1-NX3A2	ASMT-UWB2-NX302	ASMT-UWB2-ZX3E2	QZMT-UWHS-NX3Z2
ASMT-UWB1-NX3B2	ASMT-UWB2-NX3A2	ASMT-UWB2-ZW7F2	QSMT-UWAG-ZX7B2
ASMT-UWB1-NX3C2	ASMT-UWB2-NX3B2	ASMT-UWB2-ZW7G2	QSMT-UWP1-ZX3Z2
ASMT-UWB1-NX3D2	ASMT-UWB2-NX3C2	ASMT-UWB2-ZW7H2	QSMT-UWP2-ZX3Z2
ASMT-UWB1-NX3E2	ASMT-UWB2-NX3D2	ASMT-UWB2-ZW7J2	QSMT-UWJC-ZX3B2
ASMT-UWB1-NX3F2	ASMT-UWB2-NX3E2	ASMT-UWB1-ZAAB2	QSMT-UWS1-ZX3Z2
ASMT-UWB1-NX3G2	ASMT-UWA1-ZX3C2	ASMT-UWB1-ZAAC2	QSMT-UWKB-ZX3Z2
ASMT-UWB1-NX3H2	ASMT-UWA1-ZX7C2	ASMT-UWB1-ZAAD2	QSMT-UWAE-ZX7Z2
ASMT-UWB1-NX3J2	ASMT-UWA1-ZX302	ASMT-UWB1-ZAAF2	QSMT-UWAE-ZX7C2
ASMT-UWB1-NAAB2	ASMT-UWA1-ZX702	ASMT-UWB1-ZAAH2	QSMT-UWC1-ZX3A2
ASMT-UWB1-NAAC2	ASMT-UWA1-ZX3B2	ASMT-UWB1-ZX302	QSMT-UWBB-ZX3Z2
ASMT-UWB1-NAAD2	ASMT-UWA1-ZX7B2	ASMT-UWB1-ZX312	QSMT-UWES-ZX6Z2
ASMT-UWB1-NAAF2	ASMT-UWA1-ZX6B2	ASMT-UWB1-ZX3A2	QSMT-UWT1-ZX3Z2
ASMT-UWB1-NAAH2	ASMT-UWB1-ZX702	ASMT-UWB1-ZX3B2	QSMT-UWCB-ZX3Z2
ASMT-UWB1-NX702	ASMT-UWB1-ZX7A2	ASMT-UWB1-ZX3C2	QSMT-UWCB-ZX3H2
ASMT-UWB1-NX7A2	ASMT-UWB1-ZX7B2	ASMT-UWB1-ZX3D2	QSMT-UWDM-ZX7D2
ASMT-UWB1-NX7B2	ASMT-UWB1-ZX7C2	ASMT-UWB1-ZX3E2	QSMT-UWAS-ZX7B2
ASMT-UWB1-NX7C2	ASMT-UWB1-ZX7D2	ASMT-UWB1-ZX3F2	QSMT-UWCV-ZX7Z2
ASMT-UWB1-NX7D2	ASMT-UWB1-ZX7E2	ASMT-UWB1-ZX3G2	QSMT-UWIB-ZX3F2
ASMT-UWB1-NX7E2	ASMT-UWB1-ZX7F2	ASMT-UWB1-ZX3H2	QSMT-UWOL-ZX7B2
ASMT-UWB1-NX7F2	ASMT-UWB2-ZX302	ASMT-UWB1-ZX3J2	QSMT-UWSB-ZX3B2
ASMT-UWB2-NW7F2	ASMT-UWB2-ZX3A2	QSMT-UWB1-NAAZ2	
ASMT-UWB2-NW7G2	ASMT-UWB2-ZX3B2	QSMT-UWHS-NX3Z2	

Appendix 2

ASMT-SBB5-ZU3Q3	ASMT-UBB5-ZS7Q2	ASMT-SGB5-ZW7Q3	ASMT-UGB5-ZV7Q2
ASMT-SBB5-ZU3P3	ASMT-UBB5-ZS7P2	ASMT-SGB5-ZW7P3	ASMT-UGB5-ZV7P2
ASMT-SBB5-ZU3Y3	ASMT-UBB5-ZS7Y2	ASMT-SGB5-ZW7Y3	ASMT-UGB5-ZV7Y2
ASMT-SBB5-ZT703	ASMT-UBB5-ZT3Q2	ASMT-SGB5-ZX3Q3	QSMT-UBRC-ZP4PC
ASMT-SBB5-ZT7P3	ASMT-UBB5-ZT3P2	ASMT-SGB5-ZX3P3	
ASMT-SBB5-ZT7Y3	ASMT-UBB5-ZT3Y2	ASMT-SGB5-ZX3Y3	
ASMT-UBB5-ZS8Q2	ASMT-SGB5-ZW703	ASMT-UGB5-ZV702	

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.