

Product Change Notice

Issue Date: 09 NOV 2016**Change Type:**

Introduction of alternate LED die source for the PLCC.

Parts Affected:

QZML-A102-S00J1	HZMA-A101-S70J1	HSMC-A100-N00H1	QSMA-A100-P5PJ2
QZMA-A102-S00J1	QZMC-A102-R00J1	HSMC-A100-Q00J1	QSMA-A10A-Q00J1
HZMA-A101-S00J1	HZMZ-A100-R00J1	HSMC-A100-Q40J1	QSMA-A133-T2WJ1
HZMC-A100-R20J1	HSMA-A100-Q00H1	HSMC-A100-Q70J1	QSMA-A134-S3VJ1
HZMA-A100-Q00J1	HSMA-A100-Q00J1	HSMC-A100-R00J1	QSMA-A134-S3WJ1
HZMA-A100-R2WJ1	HSMA-A100-Q0PJ1	HSMC-A101-R70J1	QSMA-A136-S4WJ1
HZMA-A100-R40J1	HSMA-A100-R40J1	HSMC-A101-S00J1	QSMA-A157-S6JJ1
HZMA-A100-R45J1	HSMA-A100-R45J1	HSMC-A101-S30J1	QSMA-A161-S7WJ1
HZML-A100-Q00J1	HSMA-A100-R4WJ1	HSMC-A101-S40J1	QSMA-A162-S7WJ1
HZMC-A100-Q00J1	HSMA-A100-R6WJ1	HSMC-A101-S80J1	QSMC-A100-Q00J1
HZMC-A100-R00J1	HSMA-A100-R7NJ1	HSMC-A160-Q00J1	QSMC-A101-S00J1
HZMC-A101-S00J1	HSMA-A101-R8WJ1	HSMC-A161-S00J1	QSMC-A101-S30J1
HZMC-A101-S30J1	HSMA-A101-S00J1	HSML-A100-Q00J1	QSMC-A127-Q40J1
HZMC-A101-S40J1	HSMA-A101-S3WJ1	HSML-A100-R7YJ1	QSMC-A136-R30J1
HZMC-A101-S80J1	HSMA-A101-S70J1	HSML-A101-S00J1	QSMC-A145-S30J1
HZMU-A100-S00J1	HSMA-A101-T2WJ1	HSML-A101-S40J1	QSMC-A161-S00J1
QZMC-A100-Q00J1	HSMA-A160-Q00J1	HSML-A101-S4WJ1	QSML-A101-S00J1
QZMA-A100-P5PJ2	HSMA-A160-S7WJ1	HSML-A161-S4WJ1	QSML-A118-T00J1
QZMA-A161-S7WJ1	HSMA-A161-S00J1	HSMU-A100-R00J1	QSML-A136-S3PJ1
HZMA-A100-R7NJ1	HSMA-A161-S7WJ1	HSMU-A100-S00J1	
HZMC-A100-S30J1	HSMC-A100-K50L2	HSMZ-A100-R00J1	

Description and Extent of Change:

The selected LED die source has undergone Broadcom Limited qualification process and is deemed suitable as alternate LED die source.

Reasons for Change:

To ensure assurance of supply for the above products.

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

There is no change on package outline and product specification. Appropriate characterization and reliability tests have been performed to ensure equivalent quality and reliability performance.

Effective Date of Change:

The shipment with above change will commence on 09 May 2017. Products from the previous LED die source will not be mixed in the same reel, but they can be shipped together during same shipment.

Qualification Data:

Test Name	Reference	Test Conditions	Units Tested	Units Failed
Temperature Cycle	Avago Req.	-55°C/100°C, 15 min dwell, 5 min transfer, 100 cycles	804	0
Temperature Humidity Storage Life	JESD22-A103	T _A = 85°C, RH = 85%RH, 1000hrs	84	0
Temperature Humidity Operating Life	JESD22-A101	T _A = 85°C, RH = 85%RH, 16mA, 1000hrs	168	0
High Temperature Operating Life	JESD22-A108	T _A = 70°C, 26mA, 1000hrs	168	0
Low Temperature Operating Life	JESD22-A108	T _A = -40°C, 30mA, 1000hrs	168	0
Pulse Test	Avago Req.	T _A = 55°C, Frequency = 1kHz, 1000 hours Peak Current = 100 mA, Duty factor = 30%,	84	0

These changes have been reviewed and approved by Broadcom Limited engineers and managers per Broadcom Limited' procedure: Change Control and Customer Notification, 5962-6052-80.

Please contact your Broadcom Limited field sales for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.