



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #20632

Generic Copy

Issue Date: 16-Sep-2014

TITLE: Material Change on Leadframe and Mold resin of SOIC8L as to DC-DC Converter LV58063MC.

PROPOSED FIRST SHIP DATE: 16-Dec-2014

AFFECTED CHANGE CATEGORY(S): Material of Leadframe and Mold resin

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or
<Hiroshi.Kojima@onsemi.com><Hidekazu.Inoue@onsemi.com>

SAMPLES:

Contact your local ON Semiconductor Sales Office or <Jun.Hasunuma@onsemi.com>

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or <Satoru.Fujinuma@onsemi.com>

NOTIFICATION TYPE:

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to implementation of the change.

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact <quality@onsemi.com>.

DESCRIPTION AND PURPOSE:

The purpose of this change is to increase the units in the Leadframe for enhancement of the manufacturing process with greater efficiency & productivity. The Mold resin is changed at the same time.

The package outline dimension has no change. And the characteristic and quality also will have no impact.

In addition, there are no changes such as the mark on the package. This change can be traced by package marking lot number.



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RELIABILITY DATA SUMMARY:

Reliability Test Results:

Test Items	Test Condition	Test Time	Results
Temperature Humidity Bias ※	Ta=85°C,RH=85%,Vcc(VDD)= Recommended	1000hrs	Pass
Temperature Cycle ※	Ta=-65°C 30min. ⇔ Ta=150°C 30min.	100Cycles	Pass
Pressure Cooker ※	Ta=121°C,RH=100%,205KPa	100hrs	Pass
High Temperature Storage 0	Ta=150°C	1000hrs	Pass

Notice) The test items with * mark are put into operation after the reflow soldering. (MSL3 Preconditioning, 3 IR @ 260 °C)

ELECTRICAL CHARACTERISTIC SUMMARY:

This package material change doesn't have the impact to electrical characteristics.

CHANGED PART IDENTIFICATION:

This change can be identified by marking lot number.

List of affected General Parts:

LV58063MC-AH