



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #20184Generic Copy

Issue Date: 12-Sep-2013**TITLE:** Final PCN of change of die coating material in HIC.**PROPOSED FIRST SHIP DATE:** 12-Dec-2013**AFFECTED CHANGE CATEGORY(S):** Die coat material**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or <Ryoichi.Murofushi@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office or
<Ryoichi.Murofushi@onsemi.com>**ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Office or <Kenichi.Nigo@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 production of a currently used die coat material (LDC3140D) at the supplier will be discontinued.

SE1880 has been used for the other HICs since 2001 and this material is the most-used coating material at our company.

Propose Change	From	To
Die coat material	LDC3140D	SE1880



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RELIABILITY DATA SUMMARY:

Test items	TEST Conditions	TEST Time	Failure
Thermal Humidity Bias Test	Ta=85degC , RH=85% Vcc=Recommended	1000Hr	0/11
Temperature cycling test	Ta=-40degC↔Ta=125degC 1cycle=1Hr.	500C	0/11
Continuous operating test	Recommended	1000Hr	0/10

Notice)

Judgment Criteria : Judgment Criteria are due to the limits of the electrical characteristics in the detail specification.

ELECTRICAL CHARACTERISTIC SUMMARY:

There is no change in the electrical performance. Datasheet specifications remain unchanged.

List of affected General Parts:

STK6712AMK4-C-E
STK6712BMK4-C-E
STK6713AMK4-C-E
STK6713BMK4-C-E
STK672-040-E
STK672-050-E
STK672-081-E
STK672-081-SD-E
STK673-010-E
STK673-011-E
STK681-050-E



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Comparison Data:

1. RoHS

	LDC3140D	SE1880
RoHS	Compliance	Compliance

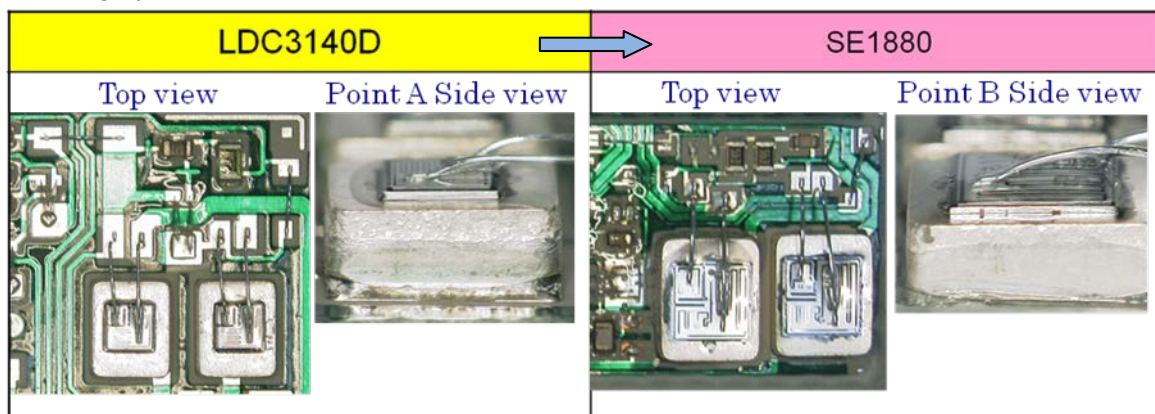
2. Main materials

	LDC3140D	
Contained material	CAS No.	Content by percent
Silicon polymer	—	94%
Silica crystalline	14808-60-7	6%



	SE1880	
Contained material	CAS No.	Content by percent
Silicon polymer	—	100%

3. Photograph of materials



4. Cross Section

