



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION # 20603

Generic Copy

Issue Date: 23-Oct-2014**TITLE:** Trim/ Dambar Cut Prior MF Process Flow - Pilot SOIC8L 256**PROPOSED FIRST SHIP DATE:** 31-Jan-2015 or sooner upon customer approval**AFFECTED CHANGE CATEGORY(S):** Process Flow change**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**Contact your local ON Semiconductor Sales Office or <Peter.Neumann@onsemi.com>**SAMPLES:** Contact your local ON Semiconductor Sales Office**ADDITIONAL RELIABILITY DATA:**

Contact your local ON Semiconductor Sales Office

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:**

Trim/ Dambar Cut Prior MF Process Flow For all SOIC8L 256 Devices.

Purpose is to reduce foreign material defect occurrence in SOIC8L (256) HDLF.

Before/Present:

MF → Trim Dambar Cut →
Form/ Singulation

After/Proposed:

Trim Dambar Cut → MF →
Form/ Singulation

For Materials/Tooling

- There is no change in material type and dimensional clearances except process Flow.



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MANUFACTURABILITY AND RELIABILITY VALIDATION RESULTS:

Test	Sample Size	Failures Observed	Failures Allowed	Ramarks
V/M Inspection (after Dambar cut)	100%	0	0	Passed
Plating thickness	6 readings	0	0	Passed
V/M Inspection (after Singulation)	100%	0	0	Passed
Solderability Testing	10 units	0	0	Passed
SAM Test	120 units	0	0	Passed

List of affected General Parts:

MPN	Package Type
LM833DR2G	SOIC 8 CPBF H
MC33272ADR2G	SOIC 8 CPBF H
NCV2903DR2G	SOIC 8 CPBF H
NCV2904DR2G	SOIC 8 CPBF H
NCV33063AVDR2G	SOIC 8 CPBF H
NCV4269AD150R2G	SOIC 8 EG PBFH
NCV5171EDR2G	SOIC 8 EG PBFH
NCV8501D50R2G	SOIC 8 EG PBFH
NCV431BVDR2G	SOIC 8 CPBF H
TL431BVDR2G	SOIC 8 CPBF H