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**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION # 20366**

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**Issue Date:** 21-Jan-2014

**TITLE:** Qualification of ASE Kunshan for 8Ld PDIP package Assembly

**PROPOSED FIRST SHIP DATE:** 21-Apr-2014

**AFFECTED CHANGE CATEGORY(S):** Assembly Site

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or <[alan.garlington@onsemi.com](mailto:alan.garlington@onsemi.com)>

**SAMPLES:** Contact your local ON Semiconductor Sales Office

**ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Office or <[tomas.vajter@onsemi.com](mailto:tomas.vajter@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](mailto:quality@onsemi.com)>.

**DESCRIPTION AND PURPOSE:**

This is a Final Product Change Notice to alert customers of the qualification of ASE Kunshan, China (ISO9002 / ISO14000 / SAC Level 1 certified) to assemble products in PDIP8 lead packaged devices listed in this notification. ASE will provide additional capacity to supplement ON Semiconductors' current assembly & test facility located at Unisem, Batam, Indonesia. After the expiration of this FPCN, PDIP8 parts may be sourced from either location.



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**RELIABILITY DATA SUMMARY:**

**Reliability Test Results: Qualification Vehicle – LM2574N-5G**

Test	Conditions		Results
HAST	Ta=130C; RH=85% PSIG = 18.8, with Bias	96 Hrs	0/239
AC	TA = 121C; RH = 100% PSIG = 15	96 Hrs	0/240
UHAST	TA = 121C; RH = 100% PSIG = 15; No Bias	96 Hrs	0/240
Temp Cycle	-65 to +150C	1000 Cycle	0/240
HTSL	Ta = 175C	1008 Hrs	0/240
HTOL	Ta = 100C	1008 Hrs	0/240
Bond Pull post TC	Condition C	Cpk > 1.33	

**ELECTRICAL CHARACTERISTIC SUMMARY:**

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

**CHANGED PART IDENTIFICATION:**

Devices assembled by ASE Kunshan will include the character 'AK' as the identifier in the trace code.

**List of affected General Parts:**

LM2574N-12G	LP2951ACN-3.0G	MC33078PG
LM2574N-5G	LP2951ACN-3.3G	MC34063AP1G
LM2574N-ADJG	LP2951ACNG	MC34072APG
LM258NG	LP2951CN-3.0G	MC34072PG
LM2903NG	LP2951CN-3.3G	MC34072VPG
LM2904NG	LP2951CNG	NCV3064PG
LM2904VNG	MC33063AP1G	SA5534NG
LM358NG	MC33063AVPG	TCA0372BDP1G
LM393NG	MC33072APG	TCA0372DP1G
LM833NG	MC33072PG	UAA2016PG