



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #20520

Generic Copy

Issue Date: 18-Jul-2014

TITLE: Qualification of JCET Chuzhou for PDIP (8-16 lead) package Assembly

PROPOSED FIRST SHIP DATE: 18-Oct-2014

AFFECTED CHANGE CATEGORY(S): Assembly Site

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Bob Sy<Bob.Sy@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Tomas Vajter<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>.

DESCRIPTION AND PURPOSE:

This is a Final Product Change Notice to alert customers of the qualification of JCET Chuzhou, China (ISO9002 / ISO14000 / SAC Level 1 certified) to assemble the affected PDIP products. JCET will provide additional capacity to supplement ON Semiconductor's current assembly & test facilities.

Upon effectivity of this FPCN, these parts may be sourced from any previously qualified manufacturing locations.



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RELIABILITY DATA SUMMARY:

Reliability Test Results: Qualification Vehicle – LM2574N-5G (PDIP8)

Test	Conditions		Results
HAST	Ta=130C; RH=85% PSIG = 18.8, with Bias	96 Hrs	0/240
UFAST	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	0/80
Bond Pull post TC	Condition C	Cpk > 1.33	

Reliability Test Results: Qualification Vehicle – SG3525ANG

Test	Conditions		Results
HAST	Ta=130C; RH=85% PSIG = 18.8, with Bias	96 Hrs	0/240
UFAST	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	0/80
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 JCET Chuzhou will include the character 'JC' as the identifier in the trace code.



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List of affected General Parts:

PDIP 8

LM2574N-12G
LM2574N-5G
LM2574N-ADJG

MC33063AP1G
MC33063AVPG

MC34063AP1G
UAA2016PG

PDIP14

LM224NG
LM239NG
LM2901NG
LM2901VNG
LM2902NG

LM2902VNG
LM324NG
LM339NG
MC33074APG
MC33074PG

MC33079PG
MC34074APG
MC34074PG
MC34074VPG

PDIP16

MC10H016PG
MC10H101PG
MC10H102PG
MC10H103PG
MC10H104PG
MC10H105PG
MC10H107PG
MC10H115PG
MC10H116PG
MC10H123PG

MC10H124PG
MC10H125PG
MC10H131PG
MC10H135PG
MC10H136PG
MC10H141PG
MC10H158PG
MC10H164PG
MC10H176PG

MC10H350PG
MC1413BPG
MC1413PG
MC33025PG
MC33067PG
MC34023PG
MC34025PG
MC34067PG
SG3525ANG