



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

19-Sep-2006

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #15639

TITLE: Addition of Alternate Die source for LM2576 Family

PROPOSED FIRST SHIP DATE: 19-Jan-2007

AFFECTED CHANGE CATEGORY: Wafer Die Source

AFFECTED PRODUCT DIVISION: Analog Products

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local Sales office or Alan Garlington <Alan.Garlington@onsemi.com>

FOR PRODUCT SAMPLES:

Contact your local Sales office or Ota Miklas <Ota.Miklas@onsemi.com>

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPCN)

First change notification sent to customers. IPCNs are issued at least 120 days prior to implementation of the change. An IPCN is advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan.

The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN).

This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 60 days prior to implementation of the change.

DESCRIPTION AND PURPOSE:

An alternate mask set will be qualified for the LM2576 family of devices. This new die has been fully qualified and will be used to supplement capacity requirements on the primary LM2576 die for the adjustable output voltage series only. There will be no change in the data sheet electrical parameters and all part functionalities remain the same.

At the expiration of the Final Product Change Notice, either die may be used to satisfy demands for this part family.



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QUALIFICATION PLAN:

Full Temperature Electrical Distribution data for 3 lots - Test at -40C, 25C and +125C

Reliability testing as follows:

TEST	Conditions	# Lots	Accept
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High Temperature Op Life	Tj = 150 C 504 Hrs	1 lot	0
Latch Up	Class 1 (25C) and 2 (85C)	2 lots	0
ESD - Human Body Model		2 Lots	0
ESD - Machine Model		2 lots	0
ESD - Charge Device Model		2 lots	0

AFFECTED DEVICE LIST:

PART

- LM2576D2T-ADJ
- LM2576D2T-ADJG
- LM2576D2T-ADJR4
- LM2576D2T-ADJR4G
- LM2576T-ADJ
- LM2576T-ADJG
- LM2576TV-ADJ
- LM2576TV-ADJG