



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
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25 Sep 2008

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #16152

TITLE: PTC Products (former ADI Parts) MSOP8_10 Carsem to Seremban Assembly transfer

PROPOSED FIRST SHIP DATE: 25 Jan 2009

AFFECTED CHANGE CATEGORY: Assembly Site

AFFECTED PRODUCT DIVISION: Power Switching Devices (PQ)

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Wyler Montoya <Wyler.Montoya@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 90 days prior to implementation of the change.

DESCRIPTION AND PURPOSE:

The purpose of this Initial PCN is to notify customers of ON Semiconductor's plan to qualify and transfer production of the Power Switching devices build on MSOP8 and 10 packages from Carsem (Malaysia) to ON Semiconductor's Assembly facility in Seremban (Malaysia).

The BOM and electrical specifications will remain identical. A full electrical characterization over temperature will be performed for each qualification vehicle to ensure device functionality and electrical specifications.



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QUALIFICATION PLAN:

Qual Vehicles

- ADP3611 – MSOP-8
- ADT7461 – MSOP-10

Reliability Tests (for each qual vehicle)

- SAT (MSL 1 & MSL 3) – 3 assembly lots, 5 units/lot, MSL assessment to define the MSL level before reliability tests – 12 days (include Pre/Post CSAM analysis)
- PC(MSL 1)-AC 96hrs, 3 assembly lots, 80 units/lot – 15 days
- PC(MSL 1)-TC 500cyacs, 3 assembly lots, 80 units/lot – 27 days
- PC(MSL 1)-HAST 96hrs, 3 assembly lots, 80 units/lot – 15 days
- If MSL 3 – deduct 5 days for each tests

Critical Path – SAT then PC-TC 500cyacs

- For MSL 1 – 12 days + 27 days = 39 days
- For MSL 3 – 7 days + 22 days = 29 days

- Tri-temp. electrical characterization – 1 lot, 30 units/lot

Assembly Related tests (for each qual vehicle)

- BPS – 1 lot, 30 bonds from 5 units
- BS – 1 lot, 30 bonds from 5 units
- RSH – 1 lot, 30 units
- PD – 1 lot, 30 units



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AFFECTED DEVICE LIST:

PART

AD51-057Z-000
AD51-057Z-0REEL
AD51-057Z-0REEL7
AD51-067ARMZ-2RL
AD51-067ARMZ-R
ADM1032ARMZ
ADM1032ARMZ-001
ADM1032ARMZ-002
ADM1032ARMZ-1RL
ADM1032ARMZ-2R
ADM1032ARMZ-2RL7
ADM1032ARMZ-R7
ADM1032ARMZ-REEL
ADT7421ARMZ-2RL
ADT7421ARMZ-2RL7
ADT7421ARMZ-REEL
ADT7421ARMZ-RL7
ADT7431 (Root Part Number)
ADT7461A0001RMZR
ADT7461A0002RMZR
ADT7461AARMZ
ADT7461AARMZ-002
ADT7461AARMZ-2RL
ADT7461AARMZ2RL7
ADT7461AARMZ-R
ADT7461AARMZ-RL7
ADT7461ARM
ADT7461ARM-REEL
ADT7461ARM-REEL7
ADT7461ARMZ
ADT7461ARMZ-002
ADT7461ARMZ-2R
ADT7461ARMZ-2RL7
ADT7461ARMZ-R7
ADT7481 (Root Part Number)
ADT7482 (Root Part Number)
ADT7484 (Root Part Number)
ADT7484A (Root Part Number)
ADT7485A (Root Part Number)
ADT7486A (Root Part Number)
ADT7488A (Root Part Number)