



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

20-Feb-2009

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #16222

TITLE: CARSEM to Seremban D2PAK and TO220 Assembly Transfer

PROPOSED FIRST SHIP DATE: 20-Jun-2009

AFFECTED CHANGE CATEGORY: Manufacturing Transfer (assembly)

AFFECTED PRODUCT DIVISION: APRG

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact Sales Office or Bill Fontes <bill.fontes@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:

Transfer of device packaging operation from CARSEM to ON Semiconductor, Seremban.
Purpose of the transfer is to consolidate manufacturing operations.



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QUALIFICATION PLAN:

AC/PC 121C, 15psig, 100%RH 96hrs
TC/PC -65/150C 500cycles
HAST/PC 130C, 85%RH 96hrs
SAT/PC Check for delamination
HTSL 175C 500hrs
HTOL 125C 1008hrs
WBS Wire Bond Shear Test : Cpk>1.33
WBP Wire Bond Pull: Cpk>1.33
SD Solderability 245C, 8hrs
PD Physical Dimension Cpk>1.33
ED Electrical Distribution: Test@ R/H/C

**Initial Product/Process Change Notification #16222****AFFECTED DEVICE LIST:**

CS41109DPR3G
CS44116T7G
CS44116TVA7G
CS5253B-1GDPR5G
CS5253B-8GDP5G
CS5253B-8GDPR5G
CS8126-1YDPSR7G
CS8182YDPS5G
CS8182YDPSR5G
CS8361YDPS7G
CS8361YDPSR7G
CS8363YDPS7G
CS8363YDPSR7G
NCP1086D2T-33R4
NCP1086D2T-33R4G
NCP1086D2TADJR4G
NCP1086T-033G
NCP1086T-ADJG
NCV8141D2TG
NCV8141D2TR4G
NCV8505D2T25G
NCV8505D2T25R4G
NCV8505D2T33G
NCV8505D2T33R4G
NCV8505D2T50G
NCV8505D2T50R4G
NCV8505D2TADJG
NCV8505D2TADJR4G
NCV8506D2T25G
NCV8506D2T25R4G
NCV8506D2T33G
NCV8506D2T33R4G
NCV8506D2T50G
NCV8506D2T50R4G
NCV8506D2TADJG
NCV8506D2TADJR4G
NCV8508D2T50G
NCV8508D2T50R4G
SCV8182DSR4G