



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16614

Generic Copy

Issue Date: 03-May-2011

TITLE: Final Notification for qualification of DFN packages at assembly and test site in Seremban

PROPOSED FIRST SHIP DATE: 03-Aug-2011

AFFECTED CHANGE CATEGORY(S): Assembly and Test Location

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Eben Lim <ffwfn@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office or Eben Lim <ffwfn@onsemi.com>

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or
Francis Lualhati <Francis.Lualhati@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:

ON Semiconductor is notifying customers on the qualification of ON Semiconductor Seremban as an additional assembly and test location for DFN packages. Filter and ESD Protection products on DFN platforms are represented by this Process Change Notice.

Reliability Qualification and full electrical characterization over temperature have been performed.

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16614****RELIABILITY DATA SUMMARY:****Reliability Test Results:****CM1409-08DE****WDFN16L 4.0X1.6X0.75mm**

Test:	Conditions:	Interval:	Results
Precondition	MSL1@ 260°C ,	3 X IR at 260°C	0/720
AC+PC	Ta=+121°C, RH=100%, Pressure=15psig,	96 hrs	0/240
HTSL	Ta=150°C	1008 hrs	0/240
TC+PC	Ta= -65/150°C	1000 cyc	0/240

CM1624-08DE**μDFN16L 3.3X1.35X0.5mm**

Test:	Conditions:	Interval:	Results
Precondition	MSL1@ 260°C ,	3 X IR at 260°C	0/720
AC+PC	Ta=+121°C, RH=100%, Pressure=15psig,	96 hrs	0/240
HTSL	Ta=150°C	1008 hrs	0/240
TC+PC	Ta= -65/150°C	1000 cyc	0/240

ELECTRICAL CHARACTERISTIC SUMMARY:

Datasheet specifications and product electrical performance remain unchanged.

Characterization of each qualification vehicle device has been performed to the following requirements:

- 1) Three temperature characterization on 30 units from 3 lots
- 2) ESD performance on 3 units from 1 lot

Details of the electrical characterization result are available upon request.

CHANGED PART IDENTIFICATION:

Products from ON Semiconductor with date code of 1131, representing Work Week 31, 2011 or newer may be sourced from either ON Semiconductor Seremban, or the existing subcontractor facilities.



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List of affected General Parts:

CM1409-08DE
CM1624-08DE
CM1241-04D4
CM1693-08DE
CM1641-04D4
CM1248-08DE
CM1693-04DE
CM1461-06DE