



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16756Generic Copy

Issue Date: 4-Nov-2011

TITLE: Qualification of ON Semiconductor's Seremban assembly site as 2nd source for Hana Thailand for SC-88 & TSOP6 packaged devices

PROPOSED FIRST SHIP DATE: 4-Feb-2012 or earlier with customer approval

AFFECTED CHANGE CATEGORY(S): Assembly Site

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Wong Suei Huey
<SueiHuey.Wong@onsemi.com>

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

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Laura Rivers <laura.rivers@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 the 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 of the qualification of ON Semiconductor's Seremban assembly site as the 2nd source for Hana Thailand for SC-88 & TSOP-6 packaged devices.

Upon expiration or approval of the Final PCN, devices may be supplied from Seremban.

The devices have previously been manufactured at Hana Thailand. Devices are now qualified to run at Seremban for assembly and test.


FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16756
RELIABILITY DATA SUMMARY:
Package: SC88
Qual Vehicles: NUP4202W1T2G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C, 80% Rated Voltage	1008 hrs	0/240
Precondition	MSL1 @ 260C, 3 X IR at 260 C		0/960
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240
HAST+PC	Ta=130C RH=85%, psig ~18.8 bias=80% rated V or 100V Max	96 hrs	0/240
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/240
TC+PC	Ta= -65 C to 150 C	1000 cyc	0/239
HTSL	Ta=150 C	1008 hrs	0/240
RSH	Ta=260C, 10 sec dwell		0/90

Package: TSOP6
Qual Vehicles: NUP4302MR6T1G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C, 80% Rated Voltage	1008 hrs	0/240
Precondition	MSL1 @ 260C, 3 X IR at 260 C		0/960
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240
H3TRB+PC	Ta=85C RH=85%, bias=80% rated V or 100V Max	1008 hrs	0/240
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/240
TC+PC	Ta= -65 C to 150 C	1000 cyc	0/240
HTSL	Ta=150 C	1008 hrs	0/240
RSH	Ta=260C, 10 sec dwell		0/90

ELECTRICAL CHARACTERISTIC SUMMARY: Available upon request

CHANGED PART IDENTIFICATION:

Affected products from ON Semiconductor with date code **F** representing Feb, 2012 and greater may be sourced from Seremban (Malaysia) factory.

List of affected General Parts:

NUP2202W1T2G
 NUP4202W1T2G
 SRV05-4MR6T1G
 NUP2201MR6T1G
 NUP4201MR6T1G
 NUP4302MR6T1G