



FINAL PRODUCT/PROCESS CHANGE NOTIFICATIONGeneric Copy

19-Dec-2005**SUBJECT: ON Semiconductor Final Product/Process Change Notification #15189****TITLE: Qualification of Hana Semiconductor for NCP4894DMR2, NCP4894DMR2G Micro-10 Assembly****EFFECTIVE DATE: 19-JAN-2006****AFFECTED CHANGE CATEGORY(S): Subcontractor Assembly Site****AFFECTED PRODUCT DIVISION(S): Analog Power Division****ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Office or Edmond Gallard <tt0015@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or Todd Manes <rp06650@onsemi.com>

NOTIFICATION TYPE:

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 60 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 your local ON Semiconductor Sales Office.

DESCRIPTION AND PURPOSE:

ON Semiconductor is pleased to announce that it has successfully completed the qualification for the Hana Semiconductor facility located in Ayutthaya, Thailand as an additional source for assembly of the NCP4894DMR2 and NCP4894DMR2G in the Micro-10 package. Hana is a fully certified ISO9002 and QS9000 supplier.

There will be no changes in the wafer/die source; therefore, device functionality will be identical to that of the existing production material. Device parameters will continue to meet all Data Book specifications, and reliability will continue to meet or exceed ON Semiconductor standards.

This change is classified as a capacity expansion since the products listed below may be assembled at either Hana or the existing qualified ON Semiconductor facility in Seremban, Malaysia.

**Final Product/Process Change Notification #15189****RELIABILITY DATA SUMMARY:****Reliability Test Results:**

The Hana Micro-10 package has been previously qualified by ON Semiconductor for devices with larger die size than that of the NCP4894. The NCP4894 is qualified by similarity.

SAT testing of MSL Level 1 Pre-Conditioned devices was performed. All devices passed.

ELECTRICAL CHARACTERISTIC SUMMARY:

Electrical characterization testing of one lot over the guaranteed temperature range (-40C to +85C) was performed. All normal production tests were evaluated. Cpk was 1.9 or better for all parameters and all temperatures.

Performance of Hana-assembled units was compared to performance of current standard production products and no significant differences were observed.

CHANGED PART IDENTIFICATION:

Devices marked with date code 0551 or later may be assembled at either qualified site (ON Semiconductor in Seremban, Malaysia or Hana Semiconductor in Ayutthaya, Thailand).

AFFECTED DEVICE LIST:**PART**

NCP4894DMR2

NCP4894DMR2G