



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16855

Generic Copy

Issue Date: 11-May-2012

TITLE: VHVIC 2nd Source Qualification to Gresham FAB – Phase 3

PROPOSED FIRST SHIP DATE: 11-Aug-2012

AFFECTED CHANGE CATEGORY(S): Wafer FAB location

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or <Scott.Brow@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or <Ken.Fergus@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:

The purpose of this final PCN is to notify customers of the platform qualification of a second source for the devices listed in this FPCN at ON Semiconductor's wafer fabrication facilities in Gresham, Oregon.

This qualification is being made to increase the capacity for this technology. This technology is currently produced out of ON Semiconductor's wafer fabrication facilities in Aizu, Japan.

The VHVIC2 process is being duplicated at the Gresham wafer FAB. No die design changes have occurred. No changes to the device performance, data sheets or packaging have been made.

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16855****RELIABILITY DATA SUMMARY:****Reliability Test Results:**

NCP1002PG:

#	Test	Test Conditions	Read Points	Sample Size	Results
1	HTBB	TA=125C, 600V Bias	Test @ 1008hrs	3 lots x 80 units	0/240
2	HTOL	TA=125C, 30V Bias	Test @ 1008hrs	3 lots x 80 units	0/240
3	HTSL	TA=150C	Test @ 1008hrs	3 lots x 80 units	0/240
4	TC	-65C to +150C	Test @ 500 Cycles	3 lots x 80 units	0/240
5	AC	TA=121C, RH=100%, PSI=15	Test @ 96hrs	3 lots x 80 units	0/240
6	UHAST	TA=130C, RH=85%, PSI=18.8 no Bias	Test @ 1008hrs	3 lots x 80 units	0/240

ELECTRICAL CHARACTERISTIC SUMMARY:

There is no change in the electrical performance. Datasheet specifications remain unchanged.

CHANGED PART IDENTIFICATION:

Affected products with date code WW40-2012 and greater may be sourced from either Gresham or Aizu wafer Fabrication site.



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List of affected General Parts:

MC33363ADWG	NCP1014ST65T3G	NCP1054P100G
MC33363ADWR2G	NCP1015AP065G	NCP1054P136G
MC33363BDWG	NCP1015AP100G	NCP1054P44G
MC33363BDWR2G	NCP1015ST100T3G	NCP1054ST100T3G
NCP1010AP065G	NCP1015ST65T3G	NCP1054ST136T3G
NCP1010AP100G	NCP1027P065G	NCP1054ST44T3G
NCP1010AP130G	NCP1027P100G	NCP1055P100G
NCP1010ST100T3G	NCP1028P065G	NCP1055P136G
NCP1010ST130T3G	NCP1028P100G	NCP1055P44G
NCP1010ST65T3G	NCP1028PL065R2G	NCP1055ST100T3G
NCP1011AP065G	NCP1028PL100R2G	NCP1055ST136T3G
NCP1011AP100G	NCP1030DMR2G	NCP1055ST44T3G
NCP1011AP130G	NCP1031DR2G	NCP1308DR2G
NCP1011APL065R2G	NCP1031MNTXG	NCP1337DR2G
NCP1011APL130R2G	NCP1050P100G	NCP1337PG
NCP1011ST100T3G	NCP1050P136G	NCP1338DR2G
NCP1011ST130T3G	NCP1050P44G	NCP1351ADR2G
NCP1011ST65T3G	NCP1050ST100T3G	NCP1351APG
NCP1012AP065G	NCP1050ST136T3G	NCP1351BDR2G
NCP1012AP100G	NCP1050ST44T3G	NCP1351BPG
NCP1012AP133G	NCP1051P100G	NCP1351CDR2G
NCP1012APL065R2G	NCP1051P136G	NCP1351CPG
NCP1012APL100R2G	NCP1051P44G	NCP1351DDR2G
NCP1012APL130R2G	NCP1051ST100T3G	NCP1351DPG
NCP1012ST100T3G	NCP1051ST136T3G	NCP1381DR2G
NCP1012ST130T3G	NCP1051ST44T3G	NCP1382DR2G
NCP1012ST65T3G	NCP1052P100G	NCP1395ADR2G
NCP1013AP065G	NCP1052P136G	NCP1395APG
NCP1013AP100G	NCP1052P44G	NCP1395BDR2G
NCP1013AP133G	NCP1052ST100T3G	NCP1395BPG
NCP1013ST100T3G	NCP1052ST136T3G	NCP1605ADR2G
NCP1013ST130T3G	NCP1052ST44T3G	NCP1605DR2G
NCP1013ST65T3G	NCP1053P100G	NCP1653ADR2G
NCP1014AP065G	NCP1053P136G	NCP1653APG
NCP1014AP100G	NCP1053P44G	NCP1653DR2G
NCP1014APL065R2G	NCP1053ST100T3G	NCP1653PG
NCP1014APL100R2G	NCP1053ST136T3G	NCP5181DR2G
NCP1014ST100T3G	NCP1053ST44T3G	NCP5181PG