



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

13-May-2004

SUBJECT: ON Semiconductor Final Product/Process Change Notification #13467

TITLE: Final PCN for Qualification of VHVIC 8 LEAD PDIP Products at AIT

EFFECTIVE DATE: 13-Jul-2004

AFFECTED CHANGE CATEGORY:

Subcontractor Assembly/Test Site

AFFECTED PRODUCT DIVISION: Analog Products

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Representative or Ken Fergus <RRST50@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Representative or Jack Cartwright <RWL070@onsemi.com>

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact Sales Representative or Jack Cartwright <RWL070@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:

This is a Final Product Change Notice to make customers aware that Advanced Interconnect Technology (AIT), located in Batam, Indonesia is being qualified as a supplemental manufacturing source for ON Semiconductor's VHVIC 8 lead PDIP products. AIT is QS9000 and ISO9002 certified, and has been a qualified subcontractor for ON Semiconductor devices since 1990. AIT is the primary supplier to ON Semiconductor for Analog 8/14/16 lead PDIP and VHVIC 16 lead PDIP products. The VHVIC 8 lead PDIP package will be qualified to run specific devices that are currently processed at ASE's Penang, Malaysia location. This is not a transfer but a capacity expansion.

Device parameters will continue to meet all Data Book specifications, and reliability will continue to meet or exceed ON Semiconductor standards.

Samples are available upon request. At the expiration of this PCN, the devices listed below may be processed at either manufacturing location depending on capacity and demand requirements.

**Final Product/Process Change Notification #13467****RELIABILITY DATA SUMMARY:****RELIABILITY Plan: Package = 8 Lead PDIP, Devices = MC44608P40, NCP1200P60**

| Test | Conditions | Interval | SS | results |
|------------|------------------------------------|----------|----------|---------|
| A/clave | Ta=121degC, P=15 psig, RH = 100% | 96 hrs | 2x80, 80 | 0/240 |
| HAST | Ta=130degC, P=18.8 psig, RH = 85%, | 96 hrs | 2x80, 80 | 0/240 |
| UHAST | Ta=130degC, P=18.8 psig, RH = 85%, | 96 hrs | 2x80, 80 | 0/240 |
| Temp Cycle | Ta=-65 to +150degC | 500 cyc | 2x80, 80 | 0/240 |
| BPS | Bond Pull Strength | | 3x10 | 0/30 |
| BS | Bond Shear Test | | 3x10 | 0/30 |
| DSS | Die Shear Strength | | 3x10 | 0/30 |

ELECTRICAL CHARACTERISTIC SUMMARY:

Datasheet specifications will remain unchanged.

Parts will continue to meet Jedec Standard Package Specifications.

CHANGED PART IDENTIFICATION:

Parts marked with Date Code 0423.

AFFECTED DEVICE LIST(WITHOUT SPECIALS):**PART**

MC33260P
 MC44608P100
 MC44608P40
 MC44608P75
 NCP1200AP100
 NCP1200AP100G
 NCP1200AP40
 NCP1200AP40G
 NCP1200AP60
 NCP1200P100
 NCP1200P100G
 NCP1200P40
 NCP1200P40G
 NCP1200P60
 NCP1200P60G
 NCP1201P100
 NCP1201P60
 NCP1203P100
 NCP1203P40
 NCP1203P60
 NCP1205P
 NCP1205PG
 NCP1207P
 NCP1212P
 NCP1216P100
 NCP1216P133
 NCP1216P65
 NCP1217P100
 NCP1217P133



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NCP1217P65
NCP1230AP100
NCP1230AP133
NCP1230AP65
NCP1230P100
NCP1230P133
NCP1230P65
NCP1231P100
NCP1231P133
NCP1231P65
NCP1377BP
NCP1377P
NCP1378P
NCP1390P
NCP1601P
NCP1653P