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**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION**  
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**31-JAN-2005**

**SUBJECT: ON Semiconductor Final Product/Process Change Notification #13898**

**TITLE: Final PCN for Qualification of VHVIC 7 and 8 Lead P dip Devices at AIT**

**EFFECTIVE DATE: 01-Apr-2005**

**AFFECTED CHANGE CATEGORY: Subcontractor Assembly 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  
Scott Brow <FFTGCB@onsemi.com>

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**  
Contact Sales Representative or Scott Brow <FFTGCB@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 (follow up to IPCN 13312) to make customers aware that Advanced Interconnect Technologies (AIT), located in Batam, Indonesia, is being qualified as a supplemental manufacturing source for capacity expansion of ON Semiconductor's VHVIC 8 and 7 lead PDIP products. These products are currently processed at ASE in Penang, Malaysia. The devices listed may be processed at either location upon expiration of this PCN.

Devices parameters will continue to meet all DataSheet specifications, and reliability will continue to meet or exceed ON Semiconductor standards.

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AIT is QS9000 and ISO9002 certified, and has been a qualified subcontractor for ON Semiconductor devices since 1990.

**RELIABILITY DATA SUMMARY:**

2 lots of NCP1002P, 1 lot of NCP1053P136

Test	Condition	Interval	SS	Result
HTBB	600V, 125C	504 hrs	3x80	0/240
TC	-65C to 150C	500 cyc	3x80	0/240
HAST	131C, 18.8 psig, 85% RH	96 hrs	3x80	0/240
UHAST	131C, 18.8 psig, 85% RH	96 hrs	3x80	0/240

**ELECTRICAL CHARACTERISTIC SUMMARY:**

Datasheet specifications remain unchanged.

**CHANGED PART IDENTIFICATION:**

Parts marked with date code after 0511 may be sourced from either site.

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

NCP1000P  
NCP1001P  
NCP1001PG  
NCP1002P  
NCP1002PG  
NCP1010AP065  
NCP1010AP065G  
NCP1010AP100  
NCP1010AP130  
NCP1011AP065  
NCP1011AP100  
NCP1011AP100G  
NCP1011AP130  
NCP1011AP130G  
NCP1012AP065  
NCP1012AP100  
NCP1012AP133  
NCP1013AP065  
NCP1013AP065G  
NCP1013AP100  
NCP1013AP133



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NCP1014AP065  
NCP1014AP065G  
NCP1014AP100  
NCP1014AP100G  
NCP1050P100  
NCP1050P136  
NCP1050P44  
NCP1051P100  
NCP1051P136  
NCP1051P44  
NCP1052P100  
NCP1052P136  
NCP1052P44  
NCP1053P100  
NCP1053P136  
NCP1053P136G  
NCP1053P44  
NCP1053XP136  
NCP1054P100  
NCP1054P136  
NCP1054P44  
NCP1055P100  
NCP1055P100G  
NCP1055P136  
NCP1055P44