



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION

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30 Oct 2007

SUBJECT: ON Semiconductor Final Product/Process Change Notification #16063

TITLE: Addition of ON Semiconductor Seremban Assembly/Test Site for High Frequency, 8 Lead TSSOP Package

PROPOSED FIRST SHIP DATE: 30 Jan 2008

AFFECTED CHANGE CATEGORY(S): High Frequency Products

AFFECTED PRODUCT DIVISION(S): Advanced Logic Divisions

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Clarence Rebello<C.Rebello@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Matt Kas<Matt.Kas@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 your local ON Semiconductor Sales Office.

DESCRIPTION AND PURPOSE:

ON Semiconductor is pleased to announce the qualification of the ON Semiconductor Seremban facility located in Seremban, Malaysia to assemble and test the listed High Frequency Standard products in the 8 Lead TSSOP package (also known as Micro 8).

ON Semiconductor recommends that customers evaluate units in each associated application to ensure there are no unexpected electrical incompatibilities or mechanical issues exist.



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RELIABILITY DATA SUMMARY:

Reliability Test Results:

Test		Conditions			Results				
#	Test	Name	Test Conditions	End Point Req's	Test Results	(rej/ ss)	(rej/ ss)	(rej/ ss)	(rej/ ss)
					Read Point	Lot A	Lot B	Lot C	Ctrl
1	Prep	Sample preparation and initial part testing	various	---	Initial Electrical	done	done	done	done
	HTS	High Temp Storage Life	150°C for 1008 hours	Room	504 Hrs	0/77	0/77	0/77	0/77
					1008 Hrs	0/77	0/77	0/77	0/77
	PC	MSL 1 Preconditioning	IR @ 260 °C	Room					
	TC	Temp Cycle	-65/+150 C	Room	500 cyc	0/77	0/77	0/77	0/77
	AC	Autoclave	TA = 121 C, RH = 100%,PSIG = 15	Room	96 hrs	0/77	0/77	0/77	0/77
	SAT	Scanning Acoustic Analysis	Compare for Delamination pre and post preconditioning	Compare to existing data		No Issue	No Issue	No Issue	No Issue
	DPA	Destructive Physical Analysis	Following TC + PC	Compare to AEC Criteria		0/2	0/2	0/2	0/2

Table 1: Reliability Evaluation Results for Device NB6L16DTR2G

ELECTRICAL CHARACTERISTIC SUMMARY:

In the course of reviewing the electrical data, it has been determined that all Device parameters will meet all Data Book specifications.

CHANGED PART IDENTIFICATION:

Devices with date code of WW03, 2008 and forward may be assembled at ON Semiconductor Seremban.



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AFFECTED DEVICE LIST

PARTS

- MC100EL01DT
- MC100EL01DTG
- MC100EL01DTR2
- MC100EL01DTR2G
- MC100EL04DT
- MC100EL04DTG
- MC100EL04DTR2
- MC100EL04DTR2G
- MC100EL05DT
- MC100EL05DTG
- MC100EL05DTR2
- MC100EL05DTR2G
- MC100EL07DT
- MC100EL07DTG
- MC100EL07DTR2
- MC100EL07DTR2G
- MC100EL11DT
- MC100EL11DTG
- MC100EL11DTR2
- MC100EL11DTR2G
- MC100EL12DT
- MC100EL12DTG
- MC100EL12DTR2
- MC100EL12DTR2G
- MC100EL1648DT
- MC100EL1648DTG
- MC100EL1648DTR2
- MC100EL1648DTR2G
- MC100EL16DT
- MC100EL16DTG
- MC100EL16DTR2
- MC100EL16DTR2G
- MC100EL31DT
- MC100EL31DTG
- MC100EL31DTR2
- MC100EL31DTR2G
- MC100EL32DT
- MC100EL32DTG
- MC100EL32DTR2
- MC100EL32DTR2G
- MC100EL33DT
- MC100EL33DTG
- MC100EL33DTR2
- MC100EL33DTR2G
- MC100EL35DT
- MC100EL35DTG
- MC100EL35DTR2
- MC100EL35DTR2G
- MC100EL51DT
- MC100EL51DTG



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MC100EL51DTR2
MC100EL51DTR2G
MC100EL52DT
MC100EL52DTG
MC100EL52DTR2
MC100EL52DTR2G
MC100EL58DT
MC100EL58DTG
MC100EL58DTR2
MC100EL58DTR2G
MC100ELT20DT
MC100ELT20DTG
MC100ELT20DTR2
MC100ELT20DTR2G
MC100ELT21DT
MC100ELT21DTG
MC100ELT21DTR2
MC100ELT21DTR2G
MC100ELT22DT
MC100ELT22DTG
MC100ELT22DTR2
MC100ELT22DTR2G
MC100ELT23DT
MC100ELT23DTG
MC100ELT23DTR2
MC100ELT23DTR2G
MC100ELT24DT
MC100ELT24DTG
MC100ELT24DTR2
MC100ELT24DTR2G
MC100ELT25DT
MC100ELT25DTG
MC100ELT25DTR2
MC100ELT25DTR2G
MC100ELT28DT
MC100ELT28DTG
MC100ELT28DTR2
MC100ELT28DTR2G
MC100EP01DT
MC100EP01DTG
MC100EP01DTR2
MC100EP01DTR2G
MC100EP05DT
MC100EP05DTG
MC100EP05DTR2
MC100EP05DTR2G
MC100EP08DT
MC100EP08DTG
MC100EP08DTR2
MC100EP08DTR2G
MC100EP11DT
MC100EP11DTG
MC100EP11DTR2
MC100EP11DTR2G
MC100EP16DT
MC100EP16DTG



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MC100EP16DTR2
MC100EP16DTR2G
MC100EP16FDT
MC100EP16FDTG
MC100EP16FDTR2
MC100EP16FDTR2G
MC100EP16TDT
MC100EP16TDTG
MC100EP16TDTR2
MC100EP16TDTR2G
MC100EP16VADT
MC100EP16VADTG
MC100EP16VADTR2
MC100EP16VADTR2G
MC100EP16VBDT
MC100EP16VBDTG
MC100EP16VBDTR2
MC100EP16VBDTR2G
MC100EP16VCDT
MC100EP16VCDTG
MC100EP16VCDTR2
MC100EP16VCDTR2G
MC100EP16VSDT
MC100EP16VSDTG
MC100EP16VSDTR2
MC100EP16VSDTR2G
MC100EP16VTDT
MC100EP16VTDTG
MC100EP16VTDTR2
MC100EP16VTDTR2G
MC100EP31DT
MC100EP31DTG
MC100EP31DTR2
MC100EP31DTR2G
MC100EP32DT
MC100EP32DTG
MC100EP32DTR2
MC100EP32DTR2G
MC100EP33DT
MC100EP33DTG
MC100EP33DTR2
MC100EP33DTR2G
MC100EP35DT
MC100EP35DTG
MC100EP35DTR2
MC100EP35DTR2G
MC100EP51DT
MC100EP51DTG
MC100EP51DTR2
MC100EP51DTR2G
MC100EP52DT
MC100EP52DTG
MC100EP52DTR2
MC100EP52DTR2G
MC100EP58DT
MC100EP58DTG



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MC100EP58DTR2
MC100EP58DTR2G
MC100EPT20DT
MC100EPT20DTG
MC100EPT20DTR2
MC100EPT20DTR2G
MC100EPT21DT
MC100EPT21DTG
MC100EPT21DTR2
MC100EPT21DTR2G
MC100EPT22DT
MC100EPT22DTG
MC100EPT22DTR2
MC100EPT22DTR2G
MC100EPT23DT
MC100EPT23DTG
MC100EPT23DTR2
MC100EPT23DTR2G
MC100EPT24DT
MC100EPT24DTG
MC100EPT24DTR2
MC100EPT24DTR2G
MC100EPT25DT
MC100EPT25DTG
MC100EPT25DTR2
MC100EPT25DTR2G
MC100EPT26DT
MC100EPT26DTG
MC100EPT26DTR2
MC100EPT26DTR2G
MC100LVEL01DT
MC100LVEL01DTG
MC100LVEL01DTR2
MC100LVEL01DTR2G
MC100LVEL05DT
MC100LVEL05DTG
MC100LVEL05DTR2
MC100LVEL05DTR2G
MC100LVEL11DT
MC100LVEL11DTG
MC100LVEL11DTR2
MC100LVEL11DTR2G
MC100LVEL12DT
MC100LVEL12DTG
MC100LVEL12DTR2
MC100LVEL12DTR2G
MC100LVEL16DT
MC100LVEL16DTG
MC100LVEL16DTR2
MC100LVEL16DTR2G
MC100LVEL16TDT
MC100LVEL16TDTR2
MC100LVEL16VSDT
MC100LVEL16VSDTR
MC100LVEL31DT
MC100LVEL31DTG



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MC100LVEL31DTR2
MC100LVEL31DTR2G
MC100LVEL32DT
MC100LVEL32DTG
MC100LVEL32DTR2
MC100LVEL32DTR2G
MC100LVEL33DT
MC100LVEL33DTG
MC100LVEL33DTR2
MC100LVEL33DTR2G
MC100LVEL51DT
MC100LVEL51DTG
MC100LVEL51DTR2
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MC10EL01DTR2G
MC10EL04DT
MC10EL04DTG
MC10EL04DTR2
MC10EL04DTR2G
MC10EL05DT
MC10EL05DTG
MC10EL05DTR2
MC10EL05DTR2G
MC10EL07DT
MC10EL07DTG
MC10EL07DTR2
MC10EL07DTR2G
MC10EL11DT
MC10EL11DTG
MC10EL11DTR2
MC10EL11DTR2G



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MC10EL12DT
MC10EL12DTG
MC10EL12DTR2
MC10EL12DTR2G
MC10EL16DT
MC10EL16DTG
MC10EL16DTR2
MC10EL16DTR2G
MC10EL31DT
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MC10ELT24DTG
MC10ELT24DTR2
MC10ELT24DTR2G



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MC10ELT25DT
MC10ELT25DTG
MC10ELT25DTR2
MC10ELT25DTR2G
MC10ELT28DT
MC10ELT28DTG
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MC10ELT28DTR2G
MC10EP01DT
MC10EP01DTG
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MC10EP05DT
MC10EP05DTG
MC10EP05DTR2
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MC10EP16DTG
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MC10EP32DTG
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MC10EP35DT
MC10EP35DTG
MC10EP35DTR2
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MC10EP51DT
MC10EP51DTG
MC10EP51DTR2
MC10EP51DTR2G



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MC10EP52DT
MC10EP52DTG
MC10EP52DTR2
MC10EP52DTR2G
MC10EP58DT
MC10EP58DTG
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MC10EP58DTR2G
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MC10EPT20DTG
MC10EPT20DTR2
MC10EPT20DTR2G
MC10LVEP11DT
MC10LVEP11DTG
MC10LVEP11DTR2
MC10LVEP11DTR2G
MC10LVEP16DT
MC10LVEP16DTG
MC10LVEP16DTR2
MC10LVEP16DTR2G
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NB100ELT23LDTR2
NB100ELT23LDTR2G
NB4N11MDT
NB4N11MDTG
NB4N11MDTR2
NB4N11MDTR2G
NB4N316MDTG
NB4N316MDTR2G
NB6L11DT
NB6L11DTG
NB6L11DTR2
NB6L11DTR2G
NB6L16DT
NB6L16DTG
NB6L16DTR2
NB6L16DTR2G
NB6N11HMDTG
NB6N11HMDTR2G
PB4N316MDTG
ZMC100EPT26DT