



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION

Generic Copy

21-Feb-2007

SUBJECT: ON Semiconductor Final Product/Process Change Notification #15732

TITLE: Final PCN for Assembly Transfer of SC88 and SC88A in SBN to Leshan.

PROPOSED FIRST SHIP DATE: 23-April-2007

AFFECTED CHANGE CATEGORY(S): ON Assemble Site

AFFECTED PRODUCT DIVISION(S): Analog Switches

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Edwin Soto <Edwin.Soto@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Laura Rivers <laura.rivers@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 the ON Semiconductor facility in Leshan, China has been qualified as a manufacturing source for the SC88 (SOT363) and SC88A (SOT353) packages. Leshan is an ISO 9001/QS9000 certified factory.



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RELIABILITY DATA SUMMARY:

NLAS4599DFT2G Reliability Report

The product was assembled in ON LPS, Leshan China, using ON Semiconductor wafers. 3 qual lot and 1 control lot from device NLAS4599DFT2G were built, to provide distinct qualification information for assembly site transfer from SBN to LPS and die bond process from Epoxy changed to Eutectic.

Reliability Test Results:

Test	Conditions	Results (Rej / SS)
HTOL	TA=+150deg.C Initial	0/84, 0/84, 0/84
	504 Hrs	0/84, 0/84, 0/84
HSTL	TA=+150deg.C Initial	0/84, 0/84, 0/84
	504 Hrs	0/84, 0/84, 0/84
	1008 Hrs	0/84, 0/84, 0/84
PC	24 hours bake@125C+ 168hr, 85C/85%RH+ 3X IR @ 260 °C	0/256, 0/256, 0/256
AC - PC	121°C/100% RH/15psig Post PC Electrical	0/84, 0/84, 0/84
	96 Hrs	0/84, 0/84, 0/84
TC – PC	Ta=-65/+150deg.C, Air to air, Dwell = 10 min. Post PC Electrical	0/84, 0/84, 0/84
	500 Cycles	0/84, 0/84, 0/84
HAST – PC	Temp=+130deg.C; RH= 85%, 18.8psig. Post PC Electrical	0/84, 0/84, 0/84
	96 Hrs	0/84, 0/84, 0/84
DPA	Post PC+TC500cys. End points	0/2, 0/2, 0/2
SAT	Check for delamination at initial and qual points.	
	Pre MSL	0/5, 0/5, 0/5
	Post MSL	0/5, 0/5, 0/5

ELECTRICAL CHARACTERISTIC SUMMARY:

All product performance meets current datasheet specifications. Data is available upon request.

CHANGED PART IDENTIFICATION:

Product with a date code of WW17 may be manufactured at Leshan.



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AFFECTED DEVICE LIST

NLAS4599DFT2
NLAS4599DFT2G
NLAST4599DFT2
NLAST4599DFT2G