



PRODUCT/PROCESS CHANGE NOTIFICATION

PCN MPA-LOG/06/2242
Notification Date 12/26/2006

TSSOP 14/16/20/24 Back-End Additional Source

LOG - ADV ANALOG/LOGIC

Table 1. Change Identification

Product Identification (Product Family/Commercial Product)	see attached
Type of change	Multiple locations change
Reason for change	To have Additional, Flexible & Continuous Back-End source
Description of the change	Nantong Fujitsu (China) shall serve as additional back-end source for assembly & testing of TSSOP 14/16/20/24 products.
Product Line(s) and/or Part Number(s)	See attached
Description of the Qualification Plan	See attached
Change Product Identification	see "GF" on package as manufacturing location
Manufacturing Location(s)	

Table 2. Change Implementation Schedule

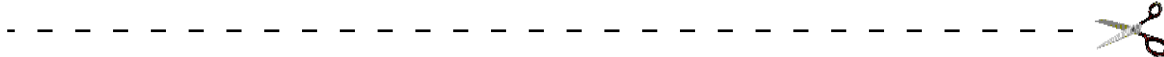
Forecasted implementation date for change	25-Mar-2007
Forecasted availability date of samples for customer	20-Dec-2006
Forecasted date for STMicroelectronics change Qualification Plan results availability	20-Dec-2006
Estimated date of changed product first shipment	25-Mar-2007

Table 3. Change Responsibility

	Name	Signature	Date
Division Product Manager	Francesco Italia		Dec.20 ,06
Division Q.A. Manager	Gianluigi Vitali		Dec.20 ,06
Division Marketing Manager	Steven Fong		Dec.20 ,06

Table 4. List of Attachments

Customer Part numbers list	
Qualification Plan results	



Customer Acknowledgement of Receipt		PCN MPA-LOG/06/2242
Please sign and return to STMicroelectronics Sales Office		Notification Date 12/26/2006
<input type="checkbox"/> Qualification Plan Denied <input type="checkbox"/> Qualification Plan Approved <input type="checkbox"/> Change Denied <input type="checkbox"/> Change Approved	Name:	
	Title:	
	Company:	
	Date:	
	Signature:	
Remark		

MPA (Micro, Power, Analog) Group
Voltage Regulator, Interface, Advanced logic & Power RF
Quality & Reliability

REL-019W06

Reliability Evaluation Plan and Results on
NANTONG FUJITSU – TSSOP Package

Test	Conditions	S.S.	Requirement	Results
PRECONDITIONING OF SMD DEVICES BEFORE TC/THB/PP	DRYNG 24H @ 125°C STORE 192H @ TA=30°C RH=60% IR 3 times @ Tmax= 260°C		Parameter deviation within spec. limits at end of preconditioning - go no go	No parameter deviation out of spec. limits at end of preconditioning
H.T.S.	TA=150°C	77x3 Lot	Parameter deviation within spec. limits at 1000h	No parameter deviation out of spec. limits at 1000 hours
T.H.B.	<i>D.U.T. PRECONDITIONED</i> TA=85°C – RH=85% Vbias	77x3 Lot	Parameter deviation within spec. limits at 1000h	No parameter deviation out of spec. limits at 1000 hours
H.T.B.	TA=125°C – Vbias	77x3 Lot	Parameter deviation within spec. limits at 1000h	No parameter deviation out of spec. limits at 1000 hours
PRESSURE POT	<i>D.U.T. PRECONDITIONED</i> TA=121°C – PA=2ATM	77x3 Lot	Parameter deviation within spec. limits at 168h	No parameter deviation out of spec. limits at 168 hours
THERMAL CYCLES AIR TO AIR	<i>D.U.T. PRECONDITIONED</i> TA=-65°C TO 150°C 1 HOUR/CYCLE	77x3 Lot	Parameter deviation within spec. limits at 500cycles	No parameter deviation out of spec. limits at 500 cycles
SMD MOISTURE INDUCED STRESS	DRYNG 24H @ 125°C STORE 192H @ TA=30°C RH=60% IR 3 times @ Tmax= 260°C	25x3 Lot	Parameter deviation within spec. limits at end of test	No parameter deviation out of spec. limits at end of test

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