PRODUCT/PROCESS CHANGE NOTIFICATION

PCN APM-SLI/07/2716
Notification Date 07/24/2007

DIE REDESIGN FOR LM317/217/117 FAMILY

SLI - LINEAR & INTERFACE

Table 1. Change Identification

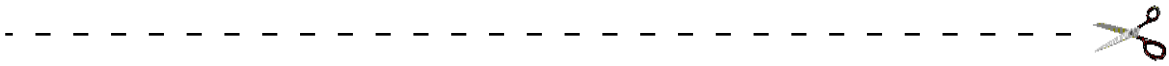
Product Identification (Product Family/Commercial Product)	See attached list
Type of change	Waferfab technology change
Reason for change	To Improve service and quality product.
Description of the change	Following Divisional commitments towards a continuous improvement philosophy, a new die for LM317/217/117 family (product line: L31701) has been introduced. Same diffusion, assembly and testing locations are maintained. No process change.
Product Line(s) and/or Part Number(s)	See attached
Description of the Qualification Plan	See attached
Change Product Identification	Traceability is ensured at lot level
Manufacturing Location(s)	

Table 2. Change Implementation Schedule

Forecasted implementation date for change	29-Sep-2007
Forecasted availabillity date of samples for customer	17-Jul-2007
Forecasted date for **STMicroelectronics** change Qualification Plan results availability	17-Jul-2007
Estimated date of changed product first shipment	23-Oct-2007

Table 3. List of Attachments

Customer Part numbers list	
Qualification Plan results	



Customer Acknowledgement of Receipt	**PCN APM-SLI/07/2716**
Please sign and return to STMicroelectronics Sales Office	**Notification Date 07/24/2007**

☐ Qualification Plan Denied	Name:
☐ Qualification Plan Approved	Title:
	Company:
☐ Change Denied	Date:
☐ Change Approved	Signature:

Remark

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DOCUMENT APPROVAL

Name	Function
San biagio, Marcello	Division Marketing Manager
Naso, Lorenzo	Division Product Manager
Lisi, Giuseppe	Division Q.A. Manager

IMS (Industrial & Multisegment Sector)
APM (Analog, Power,MEMS) Group
Voltage Regulator, Interface, Advanced logic & Power RF
Quality & Reliability

Reliability Evaluation Plan and final results on LM317T – LAAT TECHNOLOGY

REL-6043-202.07W

Line..... L317 (EW3)

Package... TO220

Test	Conditions	S.S.	Requirement	Results
H.T.S.	TA=150 °C	77 x 1 Lot	Parameter deviation within spec. limits at 1000 hours.	No parameter deviation at 1000 hours.
T.H.B.	TA=85°C - RH=85% Vbias= 24V	77 x 1 Lot	Parameter deviation within spec. limits at 1000 hours.	No parameter deviation at 1000 hours.
H.T.B.	TA=125°C - Vdd= 40V	77 x 1 Lot	Parameter deviation within spec. limits at 1000 hours.	No parameter deviation at 1000 hours.
PRESSURE POT	TA=121°C - PA=2Atm	77 x 1 Lot	Parameter deviation within spec. limits at 168 hours.	No parameter deviation at 168 hours.
THERMAL CYCLES AIR TO AIR	TA=-65°C TO 150°C 1 HOUR / CYCLE	77 x 1 Lot	Parameter deviation within spec. limits at 500 cycles.	No parameter deviation at 500 cy

Comments: The reliability tests results are positive

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