



PRODUCT/PROCESS CHANGE NOTIFICATION

PCN APM-SLI/07/2303
Notification Date 02/06/2007

**Assembly Location Transfer from Signetics Korea to
AMKOR Philippines for Interface**

SLI - LINEAR & INTERFACE

Table 1. Change Identification

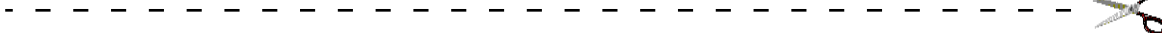
Product Identification (Product Family/Commercial Product)	Interface assembled in TSSOP20L
Type of change	Package assembly location change
Reason for change	To improve service
Description of the change	Following Divisional commitments towards a continuous improvement philosophy, it has been decided to transfer the Assembly location from Signetics Korea (S2) to AMKOR Philippines (ATP) for TSSOP 20L packages. No change in Electrical & mechanical characteristics.
Product Line(s) and/or Part Number(s)	See attached
Description of the Qualification Plan	See attached
Change Product Identification	See "7B" as Assy plant code on Tracecode
Manufacturing Location(s)	

Table 2. Change Implementation Schedule

Forecasted implementation date for change	30-Apr-2007
Forecasted availability date of samples for customer	30-Jan-2007
Forecasted date for STMicroelectronics change Qualification Plan results availability	30-Jan-2007
Estimated date of changed product first shipment	08-May-2007

Table 3. List of Attachments

Customer Part numbers list	
Qualification Plan results	



Customer Acknowledgement of Receipt		PCN APM-SLI/07/2303
Please sign and return to STMicroelectronics Sales Office		Notification Date 02/06/2007
<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		

DOCUMENT APPROVAL

Name	Function
San biagio, Marcello	Division Marketing Manager
Ruggirello, Vito	Division Product Manager
Vitali, Gian Luigi	Division Q.A. Manager

Microcontroller, Linear & Discrete Group
IPC, STD ICs & Power RF
Quality Assurance & Reliability

Rel 6337-299B-W05

Reliability Report and Results on

Package: TSSOP20 –Lead Free & Halogen Free - Amkor

Generic Data

Test	Conditions	S.S.	Requirement	Results
PRECONDITIONING OF SMD DEVICES BEFORE TC/THB/ENV.SEQ	DRYNG 24H @ 125°C STORE 168H @ TA=85°C RH=85% IR 3 times @ Tmax=260°C	231x3 Lot	Parameter deviation within spec. limits after go no go test	Parameter deviation within spec. limits after go no go test
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% Vdd=5V	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 – Vdd=7V	77x1 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 168H @ TA=85°C RH=85% 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

The aim of present Reliability Evaluation is to Qualify Amkor for TSSOP 14/16/20 Leadfree JL1

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