

PCN Number:	20131216003			PCN Date:	12/27/2013								
Title:	Moisture Sensitivity Level Change for OPA2363AIRSVR Package Device												
Customer Contact:	PCN Manager	Phone:	+1(214)480-6037	Dept:	Quality Services								
Proposed 1st Ship Date:	03/27/2014	Estimated Sample Availability:		Date provided at sample request									
Change Type:													
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Assembly Materials								
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Mechanical Specification								
<input type="checkbox"/>	Test Site	<input checked="" type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process								
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material	<input type="checkbox"/>	Wafer Bump Process								
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials	<input type="checkbox"/>	Wafer Fab Process								
	<input type="checkbox"/>	Part number change											
PCN Details													
Description of Change:													
The Moisture Sensitivity Level of OPA2363AIRSVR Device will be changed from MSL1 to MSL2.													
<table border="1"> <thead> <tr> <th rowspan="2">Device</th> <th colspan="2">Moisture Sensitivity</th> </tr> <tr> <th>Change From:</th> <th>Change To:</th> </tr> </thead> <tbody> <tr> <td>OPA2363AIRSVR</td> <td>Level 1-260C</td> <td>Level 2-260C</td> </tr> </tbody> </table>						Device	Moisture Sensitivity		Change From:	Change To:	OPA2363AIRSVR	Level 1-260C	Level 2-260C
Device	Moisture Sensitivity												
	Change From:	Change To:											
OPA2363AIRSVR	Level 1-260C	Level 2-260C											
Reason for Change:													
RSV packages are Qualified as MSL 1 260C. Customer recommends using MSL 2 260C for this specific device until MSL 1 260C Qualification is completed.													
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):													
None													
Changes to product identification resulting from this PCN:													
Packing label on bag, box, reel will indicate: "MSL LVL:2"													
Product Affected:													
OPA2363AIRSVR													
Qualification Data													
This qualification has been developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.													
Qual Vehicle : OPA2363AIRSV (MSL 2-260C)													
Package Construction Details													
Assembly Site:	HNT	Mold Compound:	450176										
# Pins-Designator, Family:	16-RSV, QFN	Mount Compound:	400173										
Lead frame (Finish, Base):	NiPdAu, Cu	Bond Wire:	0.8Mil Au										

Qualification: <input type="checkbox"/> Plan <input checked="" type="checkbox"/> Test Results		
Reliability Test	Conditions	Sample Size/Fail
Electrical Characterization	-	Pass
**Autoclave	121C, 2atm (96hrs)	80/0
**T/C -55C/125C	-55C/+125C (1000 Cyc)	80/0
**High Temp. Storage Bake	150C (1000 hrs)	80/0
**HAST	130C, 85%RH (96 hrs)	88/0
Solderability	Steam Age	22/0
X-ray	Top	88/0
Manufacturability	(per mfg. Site specification)	Pass
Moisture Sensitivity, L2	(Level 2, 260C)	12/0
Notes **- Preconditioning sequence: Level 2-260C.		

Reference Qualification:

Qual Vehicle : TS3A44159RSV (MSL 1-260C)				
Package Construction Details				
Assembly Site:	HNT	Mold Compound:	450176	
# Pins-Designator, Family:	16-RSV, QFN	Mount Compound:	400173	
Lead frame (Finish, Base):	NiPdAu, Cu	Bond Wire:	0.8Mil Au	
Qualification: <input type="checkbox"/> Plan <input checked="" type="checkbox"/> Test Results				
Reliability Test	Conditions	Sample Size/Fail		
		Lot#1	Lot#2	Lot#3
**Steady-state Life Test	150C (300 hrs)	116/0	116/0	116/0
**Biased HAST	130C/85%RH (96 hrs)	77/0	77/0	77/0
**Autoclave	121C, 2atm (96hrs)	77/0	77/0	77/0
**T/C -65C/150C	-65C/+150C (500 Cyc)	77/0	77/0	77/0
**High Temp. Storage Bake	150C (1000 hrs)	77/0	77/0	77/0
Solderability	Steam Age	22/0	22/0	22/0
Flammability	(UL 94V-0)	5/0	5/0	5/0
Flammability	(UL-1694)	5/0	5/0	5/0
Flammability	(IEC 695-2-2)	5/0	5/0	5/0
X-ray	Top	5/0	5/0	5/0
Salt Atmosphere	24 hrs	22/0	22/0	22/0
Manufacturability	(per mfg. Site specification)	Pass	Pass	Pass
Moisture Sensitivity, L1	(Level 1, 260C)	12/0	12/0	12/0
Notes **- Preconditioning sequence: Level 1-260C.				

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com