PCN Number: 20170201000							PCN Date:		Feb 3 2017
Title: Qualification of a new Die Attach Film (DAF) for Select Devices									
Customer Contact: PCN Manager Dept: Quality Services									
		3 2017		Estimated Samp Availabilit					
Change Type:									
Assembly Site				Design	Wafer Bump Site			p Site	
Assembly Process			Data Sheet			Wafe	Wafer Bump Material		
Assembly Materials			Part number change			Wafer Bump Process			
Mechanical Specification			Test Si	te		Wafer Fab Site			
Packing/Shipp	ing/Lab	eling	Test Process					Materials	
						Wafe	r Fab I	Process	
PCN Details									
Description of Ch	nange:								
This notification is to announce the qualification of a new die attach film (DAF) for the devices in the product affected section below as follows: Current Proposed									
		D#PZ0078		SID#PZ0084					
Reason for Change:									
DAF Supplier change no longer producing current material									
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):									
None									
Anticipated impact on Material Declaration									
 No Impact to the Material Declaration Material Declaration Material Declaration Material Declaration Material Declaration Material Declaration Material Declaration Production data and will be available following the production release. Upon production release the revised reports can be obtained from the <u>TI ECO website</u>. 						production			
Changes to product identification resulting from this PCN:									
Changes to prod	uct ider		n r						
Changes to prod	uct ider		n r						
			n r						



Qualification Report

Change manufacturing of DAF type and supplier from PZ0078 to PZ0084 Approve Date 14-Dec-2016

Product Attributes

Attributes	Qual Device: OPA1S2384IDRC
Assembly Site	UTAC
Package Family	VSON
Flammability Rating	UL 94 V-0
Wafer Fab Supplier	TSMC / FFAB
Wafer Fab Process	0.6UM DPDM / ASLC10

- QBS: Qual By Similarity

- Qual Device OPA1S2384IDRC is qualified at LEVEL2-260C

- Device OPA1S2384IDRC contains multiple dies.

Qualification Results Data Displayed as: Number of lots / Total sample size / Total failed

Туре	Test Name / Condition	Duration	Qual Device: OPA1S2384IDRC
AC	Autoclave 121C	96 Hours	3/231/0
DS	Die Shear	-	3/30/0
HTSL	High Temp Storage Bake 170C	420 Hours	3/231/0
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0
XRAY	X-ray	(top side only)	3/15/0

- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

- The following are equivalent HTOL options based on an activation energy of 0.7eV : 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours - The following are equivalent HTSL options based on activation energy of 0.7eV : 150C/1k Hours, and 170C/420 Hours

- The following are equivalent Temp Cycle options per JESD47 : -55C/125C/700 Cycles and -65C/150C/500 Cycles

Quality and Environmental data is available at TI's external Web site: http://www.ti.com/

Green/Pb-free Status:

Qualified Pb-Free(SMT) and Green

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