PCN Number: 20191211003				1003.1	3.1						PCN Date:		Jan. 14, 2020		
Title: Qualification of HFTF as an additional AT site for the TMUX1119DCKR															
Customer Contact: PCN Manager Dept: Quality Services															
Proposed 1 st Ship Date: Apr				April	il 13, 2020			Estimated S						provided at ole request	
Change Type:						Avu				Jcy :	<u> Julii</u>	510 10quest			
Assembly Site				Design				Wafe	er Bum	p Site					
Assembly Process				☐ Data Sheet						p Material					
Assembly Materials			Part number change							p Process					
Mechanical Specification				Test Site						er Fab					
	Packing/Shipping/Labeling			ing	Test Process							Materials			
													Wafe	er Fab	Process
							P	<u>CN</u>	Deta	nils					
Desc	cript	ion of C	hang	ge:											
site for the TMUX1119DCKR. Curr			Hana H			н	IFTF 0#R-27								
	Reason for Change:														
Conti	Continuity of Supply														
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 or Product Content reports are driven from production data and will be available following the production release. Upon production release the revised reports can be obtained at the site link below http://www.ti.com/quality/docs/materialcontentsearch.tsp						ing the revised								

Assembly Site	Assembly Site Origin (22L)	Assembly Country Code (23L)	Assembly City
Hana	HNT	THA	Ayutthaya
HFTF	HFT	CHN	Hefei





(1P) \$N74L\$07N\$R (Q) 2000 (D) 0336 (31T)LOT: 3959047MLA (4W) TKY(1T) 7523483812 (P) (2P) REV: (V) 0033317 (20L) CSO: SHE (21L) CCO: USA (22L) ASO: MLA (23L) ACO: MYS

Product Affected:

TMUX1119DCKR



Tl Information Selective Disclosure

Qualification Results

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

Туре	Test Name / Condition	Duration	Qual Device: TMUX1119DCK	QBS Package Reference: <u>OPA1671IDCK</u>	
AC	Autoclave 121C	96 Hours	3/231/0	-	
CDM	ESD - CDM	2000 V	1/3/0	-	
HAST	Biased HAST, 130C/85%RH	96 Hours	3/231/0	-	
HBM	ESD - HBM	6000 V	1/3/0	-	
HTOL	Life Test, 150C	300 Hours	-	3/231/0	
HTSL	High Temp Storage Bake 170C	420 Hours	3/231/0	-	
LU	Latch-up	(Per JESD78)	1/6/0	-	
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0	-	
UHAST	Unbiased HAST 130C/85%RH	96 Hours	-	-	
WBP	Bond Pull	Wires	3/228/0	-	
WBS	Wire Bond Shear	Wires	3/228/0	-	

- QBS: Qual By Similarity
- Qual Device TMUX1119DCK is qualified at LEVEL1-260C
- $Preconditioning was \ performed \ \dot{for}\ Autoclave,\ Unbiased\ HAST,\ THB/Biased\ HAST,\ Temperature\ Cycle,\ Thermal\ Shock,\ and\ HTSL,\ as\ applicable$
- 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
- $The \ following \ are \ equivalent \ HTSL \ options \ based \ on \ an \ activation \ energy \ of \ 0.7eV: 150C/1k \ Hours, \ and \ 170C/420 \ Hours$
- 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

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