PCN Number: 201		170125001		PCN Date:		:	Jan 27, 2017		
Title: Qualification of FF		AB as additional Fab site option for select devices							
<b>Customer Contact:</b>			PCN Manager		Dept:			Quality Services	
Proposed 1 <sup>st</sup> Ship Date:			I Anr // /III/			mated Sample ilability:		le	Date provided at sample request.
Change Type:									
Assembly Site			Assembly Process				Assembly Materials		
Design			Electrical Specification				Mechanical Specification		
Test Site		Packing/Shipping/Labeling		J		Test Process			
☐ Wafer Bump Site		☐ Wafer Bump Material				Wafer Bump Process			
		☐ Wafer Fab Materials				Wafer Fab Process			
Part				Part number chan	ge				
PCN Details									

## **Description of Change:**

Texas Instruments is pleased to announce the qualification of its FFAB fabrication facility as an additional Wafer Fab source for the selected devices listed in the "Product Affected" section.

С	urrent Fab Site	9	Additional Fab Site		
Current Fab Site	Process	Wafer Diameter	Additional Fab Site	Process	Wafer Diameter
RFAB	LBC7	300 mm	FFAB	LBC7	200 mm

Qual details are provided in the Qual Data Section.

### **Reason for Change:**

Continuity of Supply

# Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):

None

### Changes to product identification resulting from this PCN:

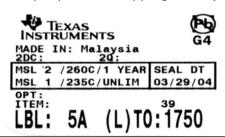
#### **Current:**

Current Chip Site	Chip Site Origin Code (20L)	Chip Site Country Code (21L)	Chip Site City
RFAB	RFB	USA	Richardson

#### **New Fab Site:**

FR-BIP-1	TID	DEÚ	Freising
New Chip Site	Chip Site Origin Code (20L)	Chip Site Country Code (21L)	Chip Site City

Sample product shipping label (not actual product label)





(1P) \$N74L\$07N\$R (Q) 2000 (D) 0336 (31T)LOT: 3959047MLA (4W) TKY(1T) 7523483\$12 (P) (2P) REV: (V) 0033317 (2P) REV: (21L) CCO:USA (22L) ASSIMLA (23L) ACO: MYS

# **Product Affected:**

TAS5754MDCA	TAS5756MDCAR	TAS5768MDCA	TAS880021DCA
TAS5754MDCAR	TAS5766MDCA	TAS5768MDCAR	TAS880021DCAR
TAS5756MDCA	TAS5766MDCAR		

### Qualification Report

# LBC7 G2TPA3127A0IN offload from RFAB to FFAB Approve Date 12-Sep-2016

#### **Product Attributes**

Attributes	Qual Device: TA \$880021DCA	QBS Product Reference: TAS880021DCA_A0	QBS Process Reference: TCA6416PW
Assembly Site	TAI	TAI	MLA
Package Family	HTSSOP	HTSSOP	TSSOP
Flammability Rating	UL 94 V-0	UL 94 V-0	UL 94 V 0
Wafer Fab Supplier	FFAB, RFAB	RFAB	FFAB
Wafer Fab Process	1833C05, LBC7	1833C05, LBC7	LBC7

- QBS: Qual By Similarity
- Qual Device TAS880021DCA is qualified at LEVEL3-260C
- Device TAS880021DCA contains multiple dies.

#### **Qualification Results**

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

Туре	Test Name / Condition	Duration	Qual Device: TA \$880021DCA	QBS Product Reference: TA \$880021DCA_A0	QBS Process Reference: TCA6416PW
AC	Autoclave 121C	96 Hours	-	1/77/0	3/231/0
CDM	ESD - CDM	1500 V	-	1/3/0	-
ED	Electrical Characterization	Per Datasheet Parameters	Pass	Pass	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	3/231/0
НВМ	ESD - HBM	2500 V	-	1/3/0	-
HTOL	Life Test, 150C	300 Hours	-	-	3/321/0
HTSL	High Temp Storage Bake 150C	1000 Hours	-	-	3/231/0
LU	Latch-up	( per JESD78 )	-	1/6/0	-
TC	Temperature Cycle, - 65/150C	500 Cycles	-	1/77/0	3/231/0
WBP	Bond Pull	Wires	1/76/0	1/76/0	-
WBS	Ball Bond Shear	Wires	1/76/0	1/76/0	-

- Preconditioning was performed for Auto dave, 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 0.7 eV: 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

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

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
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