

PCN Number:	20170314001	PCN Date:	Mar 30, 2017
Title:	Transfer of select devices from ANAM-1 to FFAB Wafer Fab site		
Customer Contact:	PCN Manager	Dept:	Quality Services
Proposed 1st Ship Date:	Jun 30, 2017	Estimated Sample Availability:	Date provided at sample request.
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material
<input checked="" type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials
		<input type="checkbox"/>	Part number change

PCN Details

Description of Change:

This change notification is to announce the transfer of select devices from ANAM-1 to the FFAB Wafer Fab site. Fab support from ANAM-1 has been discontinued. Buffer inventory has been built to cover the notification period of this change notification.

Current (Discontinued)			New (Transfer to Location)		
Current Fab Site	Process	Wafer Diameter	New Fab Site	Process	Wafer Diameter
ANAM-1	LBC7	200mm	FFAB	LBC7	200mm

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:

Chip Site	Chip Site Origin Code (20L)	Chip Site Country Code (21L)	Chip Site City
ANAM-1	ANM	KOR	Bucheon-si

New Fab Site:

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

Sample product shipping label (not actual product label)

TEXAS INSTRUMENTS
 MADE IN: Malaysia
 2DC: 2d:
 MSL 2 /260C/1 YEAR SEAL DT
 MSL 1 /235C/UNLIM 03/29/04
 OPT: 39
 ITEM:
LBL: 5A (L)T0:1750

(1P) SN74LS07NSR
 (Q) 2000 (D) 0336
 (31T) LOT: 3959047MLA
 (4W) TKY (1T) 7523483S12
 (P)
 (2P) REV: (V) 0033317
 (20L) CS0: SHP (21L) CC0: USA
 (22L) AS0: MLA (23L) AC0: MYS

Product Affected:

TCA6507PW	TCA6507PWR	TCA6507PWT	TCA6507ZXUR
TCA6507PWG4	TCA6507PWRG4	TCA6507RUER	

Qualification Report

TCA6507RUE (Transfer Dongbu FAB to FFAB)
Approve Date 03-Mar-2017

Product Attributes

Attributes	Qual Device: TCA6507RUE	QBS Product Reference: TCA6507RUE	QBS Process Reference: TCA6416PW	QBS Package Reference: TCA6507RUE
Assembly Site	NSE	NSE	MLA	NSE
Package Family	X2QFN	-	TSSOP	-
Wafer Fab Supplier	FFAB	FFAB	FFAB	ANAM
Wafer Process	LBC7	LBC7	LBC7	3370A07S

- QBS: Qual by Similarity

- Qual Device TCA6507RUE is qualified at LEVEL1-260CG

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: TCA6507RUE	QBS Product Reference: TCA6507RUE	QBS Process Reference: TCA6416PW	QBS Package Reference: TCA6507RUE
AC	Autoclave 121C	96 Hours	-	-	3/231/0	-
ED	Electrical Characterization	Per Datasheet Parameters	1/30/0	1/30/0	3/90/0	-
ELFR	Early Life Failure Rate, 125C	48 Hours	-	3/3000/0	-	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	3/231/0	3/231/0	-
HBM	ESD - HBM	2500 V	-	3/21/0	1/3/0	-
CDM	ESD - CDM	1000 V	-	3/21/0	-	-
HTOL	Life Test, 125C	1000 Hours	-	3/231/0	-	-
HTOL	Life Test, 150C	300 Hours	-	-	3/231/0	-
HTSL	High Temp. Storage Bake, 150C	1000 Hours	-	3/165/0	3/231/0	-
LU	Latch-up	(per JESD78)	-	3/30/0	1/9/0	-
PD	Physical Dimensions	--	-	3/60/0	-	3/15/0
SD	Surface Mount Solderability	Pb Free	-	3/15/0	-	-
TC	Temperature Cycle, -65/150C	500 Cycles	-	3/231/0	3/231/0	-
UHAST	Unbiased HAST, 130C/85%RH	96 Hours	-	3/231/0	-	-
WBP	Bond Pull	Wires	-	3/15/0	-	3/228/0
WBS	Ball Bond Shear	Wires	-	3/15/0	-	3/228/0

- 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 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
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com