

PCN Number:	20181213000.1	PCN Date:	Dec 17, 2018
Title:	Transfer of select C10 devices from ANAM-1 to DMOS5 Wafer Fab site		
Customer Contact:	PCN Manager	Dept:	Quality Services
Proposed 1st Ship Date:	Mar 17, 2019	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 checked="" 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 DMOS5 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	Fab Process	Probe Site	Wafer Diameter	New Fab Site	Fab Process	Probe Site	Wafer Diameter
ANAM-1	C10	DBUMP	200mm	DMOS5	C10	EBT	200mm

Reason for Change:

Discontinued Fab support from ANAM-1

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:

Chip Site	Chip Site Origin Code (20L)	Chip Site Country Code (21L)	Chip Site City
DP1DM5	DM5	USA	Dallas

Sample product shipping label (not actual product label)

Product Affected:

CDCVF855PW	CDCVF855PWRG4	SN65LV1224BDBR	SN65LV1224BRHBRG4
CDCVF855PWG4	SN65LV1224BDB	SN65LV1224BDBRG4	SN65LV1224BRHBT
CDCVF855PWR	SN65LV1224BDBG4	SN65LV1224BRHBR	

Qualification Report

Approve Date 24-July-2018

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: TLK1501IRCP	QBS Process Reference: TLK2500IRCP	QBS Package Reference: TLK2201BIRCP
AC	Autoclave 121C, 2atm	96 Hours	-	3/231/0	3/231/0
CDM	ESD - CDM	1000 V	1/3/0	-	-
ED	Electrical Characterization	Per Data Sheet Parameters	Pass	-	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	3/231/0	-
HBM	ESD - HBM	4000 V	1/3/0	-	-
HTOL	Life Test, 155C	240 Hours	-	3/231/0	-
HTSL	High Temp. Storage Bake, 170C	420 Hours	-	3/135/0	3/135/0
LU	Latch-up	(Per JESD78)	1/6/0	-	-
T/C	Temp Cycle -65C/150C	500 Cycles	-	-	3/231/0

- QBS: Qual By Similarity

- Qual Device TLK1501IRCP is qualified at LEVEL3-260C

- 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

Qualification Report

Approve Date 24-July-2018

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: TLK2501IRCP	QBS Process Reference: TLK2500IRCP	QBS Package Reference: TLK2201BIRCP
AC	Autoclave 121C, 2atm	96 Hours	-	3/231/0	3/231/0
CDM	ESD - CDM	1000 V	1/3/0	-	-
ED	Electrical Characterization	Per Data Sheet Parameters	Pass	-	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	3/231/0	-
HBM	ESD - HBM	4000 V	1/3/0	-	-
HTOL	Life Test, 155C	240 Hours	-	3/231/0	-
HTSL	High Temp. Storage Bake, 170C	420 Hours	-	3/135/0	3/135/0
LU	Latch-up	(Per JESD78)	1/6/0	-	-
T/C	Temp Cycle -65C/150C	500 Cycles	-	-	3/231/0

- QBS: Qual By Similarity

- Qual Device TLK2501IRCP is qualified at LEVEL3-260C

- 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, 155C/240 hours

- The following are equivalent HTSL options based on an activation energy of 0.7eV: 150C/1k hours, and 170C/420 hours

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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.

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USA	PCNAmericasContact@list.ti.com
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