PCN Number:	20160607002	**PCN Date:**	6/10/2016
Title:	Qualification of new Assembly & Test site (TI Taiwan) & New material set for the UCCx895DW Device family		
Customer Contact:	PCN Manager	**Dept:**	Quality Services
Proposed 1st Ship Date:	9/10/2016	**Estimated Sample Availability:**	Provided upon Request

Change Type:

☒	Assembly Site	☒	Assembly Process	☒	Assembly Materials
☐	Design	☐	Electrical Specification	☐	Mechanical Specification
☒	Test Site	☐	Packing/Shipping/Labeling	☐	Test Process
☐	Wafer Bump Site	☐	Wafer Bump Material	☐	Wafer Bump Process
☐	Wafer Fab Site	☐	Wafer Fab Materials	☐	Wafer Fab Process
		☐	Part number change		

PCN Details

Description of Change:

Texas Instruments is pleased to announce the qualification TI Taiwan as an additional Assembly & Test site for the UCCx895DW Device family with BOM differences noted below:

What	Carsem	TI Taiwan
Mount Compound	SID#434165	**4147858**
Mold Compound	SID#438359	**4211880**
Bond Wire	Au, 1.3 mils	**Cu, 0.96 mils**
Leadframe	Standard	**Roughened**

Test coverage, insertions, conditions will remain consistent with current testing and verified with test MQ.

Reason for Change:

Continuity of Supply

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

None

Anticipated impact on Material Declaration

☐	No Impact to the Material Declaration	☒	Material Declarations 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 from the TI ECO website.

Changes to product identification resulting from this PCN:

Assembly Site	Assembly Site Origin (22L)	Assembly Country Code (21L)	Assembly City
Carsem	CAR	MYS	Ipoh
TI Taiwan	**TAI**	**TWN**	**Chung Ho, New Taipei City**

Sample product shipping label (not actual product label)

Topside Device marking (if included):
Assembly site code for CAR= V
Assembly site code for TAI = T

Product Affected

UCC2895DW	UCC2895DWTR	UCC3895DW	UCC3895DWTR
UCC2895DWG4	UCC2895DWTRG4	UCC3895DWG4	UCC3895DWTRG4

TEXAS INSTRUMENTS

TI Information
Selective Disclosure

Qualification Report
UCC3895DWTR Assembly and Test Offload to TITL with Copper Wire

Product Attributes

Attributes	Qual Device: UCC3895DWTR	QBS Package Reference: ADS820U_QMI505MT_CU_SSTN	QBS Package Reference: ADS8504IBDW_QMI505MT_CU_STD	QBS Package Reference: TPS2101D	QBS Package Reference: TSS721AD	QBS Package Reference: ULQ2003AQDRQ1_STDLF
Assembly Site	TAI	TAI	TAI	TAI	TAI	FMX
Package Family	SOIC WIDE	SOIC	SOIC	SOIC	SOIC	SOIC
Flammability Rating	-	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0
Wafer Fab Supplier	SFAB	TSMC WF2	DMOS5	DFAB	SFAB	SFAB
Wafer Fab Process	IMP-PWR2	0.60UM-TSMC	50HPA07	LBC3S	JI1	JI1-SLM

- QBS: Qual By Similarity
- Qual Device UCC3895DWTR is qualified at LEVEL2-260C

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

Type	Test Name / Condition	Duration	Qual Device: UCC3895DWTR	QBS Package Reference: ADS820U_QMI505MT_CU_SSTN	QBS Package Reference: ADS8504IBDW_QMI505MT_CU_STD	QBS Package Reference: TPS2101D	QBS Package Reference: TSS721AD	QBS Package Reference: ULQ2003AQDRQ1_STDLF
AC	Autoclave 121C	96 Hours	-	-	1/77/0	-	-	3/231/0
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	-	-	-	3/231/0
HTOL	Life Test, 150C	408 Hours	-	-	-	-	-	3/231/0
HTSL	High Temp Storage Bake 150C	1000 Hours	-	-	-	-	-	1/45/0
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	1/77/0	-	-	-
TC	Temperature Cycle, -65/150C	500 Cycles	-	3/231/0	1/77/0	3/231/0	3/231/0	3/231/0
WBP	Bond Pull	Wires	Pass	-	-	-	-	-
WBS	Ball Bond Shear	Wires	Pass	-	-	-	-	-

- 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 your local Field Sales Representative.

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USA	PCNAmericasContact@list.ti.com
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