



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN#20170630000**  
**Qualification of Hana Thailand as an additional Assembly and Test Site and for**  
**UCC27324/424 Devices**

**Change Notification / Sample Request**

**Date:** June 30, 2017  
**To:** PREMIER FARNELL PCN

Dear Customer:

This is an announcement of a change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

We request you acknowledge receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance of the change. If you require samples or additional data to support your evaluation, please request within 30 days.

The changes discussed within this PCN will not take effect any earlier than **90** days from the date of this notification, unless customer agreement has been reached on an earlier implementation of the change. This notification period is per TI's standard process.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Manager ([PCN\\_ww\\_admin\\_team@list.ti.com](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

PCN Team  
SC Business Services

**20170630000**  
**Attachment: 1**

**Products Affected:**

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
UCC27324DGN	null
UCC27424DGN	null
UCC27324DGNR	null

Technical details of this Product Change follow on the next page(s).

<b>PCN Number:</b>	20170630000		<b>PCN Date:</b>	June 30 2017									
<b>Title:</b>	Qualification of Hana Thailand as an additional Assembly and Test Site and for UCC27324/424 Devices												
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services										
<b>Proposed 1<sup>st</sup> Ship Date:</b>	Sept 30 2017	<b>Estimated Sample Availability:</b>	Provided upon Request										
<b>Change Type:</b>													
<input checked="" type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Assembly Materials								
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Mechanical Specification								
<input checked="" type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process								
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material	<input type="checkbox"/>	Wafer Bump Process								
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials	<input type="checkbox"/>	Wafer Fab Process								
		<input type="checkbox"/>	Part number change										
<b>PCN Details</b>													
<b>Description of Change:</b>													
<p>Texas Instruments is pleased to announce the qualification of Hana Thailand as an additional Assembly and test site for the UCC27324/424 device family. Construction differences are as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>What</th> <th>ASESH</th> <th>Hana Thailand</th> </tr> </thead> <tbody> <tr> <td>Mount Compound</td> <td>SID#EY1000063</td> <td><b>SID#400154</b></td> </tr> <tr> <td>Mold Compound</td> <td>SID#EN2000515</td> <td><b>SID#450179</b></td> </tr> </tbody> </table> <p>Test coverage, insertions, conditions will remain consistent with current testing and verified with test MQ.</p>					What	ASESH	Hana Thailand	Mount Compound	SID#EY1000063	<b>SID#400154</b>	Mold Compound	SID#EN2000515	<b>SID#450179</b>
What	ASESH	Hana Thailand											
Mount Compound	SID#EY1000063	<b>SID#400154</b>											
Mold Compound	SID#EN2000515	<b>SID#450179</b>											
<b>Reason for Change:</b>													
Continuity of Supply													
<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>													
None													
<b>Anticipated impact on Material Declaration</b>													
<input type="checkbox"/>	No Impact to the Material Declaration	<input checked="" type="checkbox"/>	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 <a href="#">TI ECO website</a> .										

<b>Changes to product identification resulting from this PCN:</b>			
<b>Assembly Site</b>	<b>Assembly Site Origin (22L)</b>	<b>Assembly Country Code (21L)</b>	<b>Assembly City</b>
ASESH	ASH	CHN	Shanghai
<b>HNT</b>	<b>HNT</b>	<b>THA</b>	<b>Ayutthaya</b>
Sample product shipping label (not actual product label)			



MADE IN: Malaysia  
2DC: 2Q:

MSL 2 / 260C/1 YEAR	SEAL DT
MSL 1 / 235C/UNLIM	03/29/04

OPT:  
ITEM:

LBL: 5A (L)T0:1750



(1P) SN74LS07NSR  
(Q) 2000 (D) 0336  
(31T) LOT: 3959047MLA  
(4W) TKY (1T) 7523483SI2  
(P)  
(2P) REV: (V) 0033317  
(20L) CSO: SHE (21L) CCO: USA  
(22L) ASO: MLA (23L) ACO: MYS

**Topside Device marking (if included):**

Assembly site code for ASH= A

**Assembly site code for HNT = H**

**Product Affected**

UCC27324DGN	UCC27324DGNR	UCC27424DGN	UCC27424DGNR
UCC27324DGNG4	UCC27324DGNRG4	UCC27424DGNG4	UCC27424DGNRG4



TI Information  
Selective Disclosure

**Qualification Report**  
**UCC27324DGN Qual at HNT**  
Approve Date 31-May-2017

**Product Attributes**

Attributes	Qual Device: UCC27324DGN	QBS Package Reference: INA826AIDGK	QBS Package Reference: OPA2140AIDGK	QBS Package Reference: TPS7A4901DGN
Assembly Site	HANA -THAILAND	HANA -THAILAND	HANA -THAILAND	HANA -THAILAND
Package Family	HVSSOP	MSOP	MSOP	HVSSOP
Flammability Rating	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0
Wafer Fab Supplier	DL-LIN-2	FFAB	FFAB	FREISING (FFAB)
Wafer Process	LBC3S	BICOM3XH	BICOM3HV	BICOM3XH

- QBS: Qual By Similarity  
- Qual Device UCC27324DGN 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: UCC27324DGN	QBS Package Reference: INA826AIDGK	QBS Package Reference: OPA2140AIDGK	QBS Package Reference: TPS7A4901DGN
AC	Autoclave 121C	96 Hours	-	-	1/77/0	1/77/0
CDM	ESD - CDM	1000 V	1/3/0	1/3/0	1/3/0	1/3/0
ED	Electrical Characterization	Per Datasheet Parameters	-	1/30/0	1/30/0	2/35/0
HAST	Biased HAST, 130C/85%RH	96 Hours	-	1/77/0	-	1/77/0
HBM	ESD - HBM	4000 V	1/3/0	-	1/3/0	-
HTSL	High Temp. Storage Bake, 170C	420 Hours	-	-	1/69/0	-
TC	Temperature Cycle -65/150C	500 Cycles	1/77/0	1/77/0	1/77/0	1/77/0
UHAST	Unbiased HAST, 130C/85%RH	96 Hours	-	1/77/0	-	-

- 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: -65C/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.

Location	E-Mail
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>