


<b>PCN Number:</b>	20230331001.1		<b>PCN Date:</b>	March 31, 2023												
<b>Title:</b>	Qualification of TI Philippines as an Additional Assembly Site for Select Package Devices															
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services													
<b>Proposed 1<sup>st</sup> Ship Date:</b>	June 29, 2023	<b>Sample requests accepted until:</b>	Apr 30, 2023*													
*Sample requests received after Apr 30, 2023 will not be supported.																
<b>Change Type:</b>																
<input checked="" type="checkbox"/> Assembly Site	<input type="checkbox"/> Design	<input type="checkbox"/> Wafer Bump Material														
<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Data Sheet	<input type="checkbox"/> Wafer Bump Process														
<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Part number change	<input type="checkbox"/> Wafer Fab Site														
<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Site	<input type="checkbox"/> Wafer Fab Materials														
<input checked="" type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Process	<input type="checkbox"/> Wafer Fab Process														
<b>PCN Details</b>																
<b>Description of Change:</b>																
Texas Instruments Incorporated is announcing the qualification of TI Philippines as an Additional Assembly Site for select devices listed in the "Product Affected" Section. No material differences between sites.																
<b>Reason for Change:</b>																
Continuity of supply.																
<b>Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):</b>																
None																
<b>Impact on Environmental Ratings:</b>																
<p>Checked boxes indicate the status of environmental ratings following implementation of this change. If below boxes are checked, there are no changes to the associated environmental ratings.</p> <table border="1"> <tr> <td><b>RoHS</b></td> <td><b>REACH</b></td> <td><b>Green Status</b></td> <td><b>IEC 62474</b></td> </tr> <tr> <td><input checked="" type="checkbox"/> No Change</td> <td><input checked="" type="checkbox"/> No Change</td> <td><input checked="" type="checkbox"/> No Change</td> <td><input checked="" type="checkbox"/> No Change</td> </tr> </table>					<b>RoHS</b>	<b>REACH</b>	<b>Green Status</b>	<b>IEC 62474</b>	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change				
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<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change													
<b>Changes to product identification resulting from this PCN:</b>																
<table border="1"> <tr> <td colspan="3">Assembly Site</td> </tr> <tr> <td>AMKOR K4</td> <td>Assembly Site Origin (22L)</td> <td>ASO: AMP</td> </tr> <tr> <td>STATS ChipPAC Korea</td> <td>Assembly Site Origin (22L)</td> <td>ASO: SCK</td> </tr> <tr> <td><a href="#">TI (Philippines), Inc.</a></td> <td>Assembly Site Origin (22L)</td> <td>ASO: <a href="#">PHI</a></td> </tr> </table>					Assembly Site			AMKOR K4	Assembly Site Origin (22L)	ASO: AMP	STATS ChipPAC Korea	Assembly Site Origin (22L)	ASO: SCK	<a href="#">TI (Philippines), Inc.</a>	Assembly Site Origin (22L)	ASO: <a href="#">PHI</a>
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Sample product shipping label (not actual product label)																
 <p> <b>TEXAS INSTRUMENTS</b>  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  <b>G4</b>  <b>PL</b>  <b>SN74LS07NSR</b>  <b>(Q) 2000 (D) 0336</b>  <b>(31T) LOT: 3959047MLA</b>  <b>(4W) TKY (1T) 7523483SI2</b>  <b>(P)</b>  <b>(2P) REV: (V) 0033317</b>  <b>(20L) CSO: SHE (21L) CCO:USA</b>  <b>(22L) ASO: MLA (23L) ACO: MYS</b> </p>																
<b>Product Affected:</b>																
IWR1443FQAGABL	IWR1843ABGABL	IWR6443ABGABL	IWR6843ABSABLR													
IWR1443FQAGABLR	IWR1843ABGABLR	IWR6443AQQABL	IWR6843AQQABL													
IWR1642AQQAGABL	IWR1843AQQABL	IWR6443AQQABLR	IWR6843AQQABLR													
IWR1642AQQAGABLR	IWR1843AQQABLR	IWR6843ABGABL	IWR6843AQSABL													

IWR1642AQASABL	IWR2243APBGABL	IWR6843ABGABLR	IWR6843AQSABLR
IWR1642AQASABLR	IWR2243APBGABLR	IWR6843ABSABL	

## Qualification Report

Approved Date 31-Mar-2023

### Qualification Results

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

Type	#	Test Name	Condition	Duration	Qual Device: AWR1843ABGABLQ1
HAST	A2	Temperature Humidity Bias	85C/85%RH	600 Hours (Conditional release, continuing to 1000hrs)	3/231/0
UHAST	A3	Unbiased HAST	110C/85%RH	264 Hours	3/231/0
TC	A4	Temperature Cycle	-55C/150C	1000 Cycles	3/231/0
HTSL	A6	High Temperature Storage Life	150C	500 Hours (Conditional release, continuing to 1000hrs)	3/78/0
PD	C4	Physical Dimensions	Cpk>1.67	-	3/30/0
CHAR	E5	Electrical Distributions	Cpk>1.67 Room, hot, and cold	-	3/90/0

QBS: Qual By Similarity

Qual Device AWR1843ABGABLQ1 is qualified at MSL3 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

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
WW PCN Team	<a href="mailto:PCN_ww_admin_team@list.ti.com">PCN_ww_admin_team@list.ti.com</a>

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