

PCN Number:	20220628001.1		PCN Date:	June 28, 2022												
Title:	Qualification of TI Taiwan as an additional Assembly site for select devices															
Customer Contact:	PCN Manager	Dept:	Quality Services													
Proposed 1st Ship Date:	Sept 28, 2022	Sample requests accepted until:	July 28, 2022*													
*Sample requests received after (July 28, 2022) will not be supported.																
Change Type:																
<input checked="" type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Site											
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Material											
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Bump Process											
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Site											
<input checked="" type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Materials											
		<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process											
PCN Details																
Description of Change:																
Texas Instruments is pleased to announce the qualification of TI Taiwan as additional Assembly Site for Select Devices listed in the "Product Affected" Section. No material differences between sites.																
<table border="1"> <thead> <tr> <th>Assembly Site</th> <th>Assembly Site Origin</th> <th>Assembly Country Code</th> <th>Assembly City</th> </tr> </thead> <tbody> <tr> <td>TI Malaysia</td> <td>MLA</td> <td>MYS</td> <td>Kuala Lumpur</td> </tr> <tr> <td>TI Taiwan</td> <td>TAI</td> <td>TWN</td> <td>Chung Ho, New Taipei City</td> </tr> </tbody> </table>					Assembly Site	Assembly Site Origin	Assembly Country Code	Assembly City	TI Malaysia	MLA	MYS	Kuala Lumpur	TI Taiwan	TAI	TWN	Chung Ho, New Taipei City
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TI Malaysia	MLA	MYS	Kuala Lumpur													
TI Taiwan	TAI	TWN	Chung Ho, New Taipei City													
Reason for Change:																
Continuity of supply.																
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):																
None																
Impact on Environmental Ratings																
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.																
<table border="1"> <thead> <tr> <th>RoHS</th> <th>REACH</th> <th>Green Status</th> <th>IEC 62474</th> </tr> </thead> <tbody> <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> </tbody> </table>					RoHS	REACH	Green Status	IEC 62474	<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													
Changes to product identification resulting from this PCN:																
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Assembly Site																
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TI Taiwan	Assembly Site Origin (22L)	ASO: TAI														
Sample product shipping label (not actual product label)																
Product Affected:																

Qualification Report

Approve Date 24-May-2022

Qualification Results

Type	Test Name / Condition	Duration	Qual Device: <u>DRV8848PWPR</u>	QBS Product Reference: <u>DRV8846RGER</u>	QBS Product Reference: <u>DRV8848PWP</u>	QBS Process Reference: <u>TPS62110RSA</u>	QBS Package Reference: <u>DRV8818PWP</u>
-	AT MQ	(per mfg. Site specification)	1/Pass	-	-	-	-
AC	Autoclave 121C	240 Hours	-	-	-	3/231/0	-
AC	Autoclave 121C	96 Hours	-	-	-	3/231/0	3/231/0
CDM	ESD - CDM	1500 V	-	1/3/0	1/3/0	-	-
DPA	Destructive Physical Analysis	Post 500 Temp Cycle	-	-	-	-	-
ED	Electrical Characterization	Per Datasheet Parameters	-	1/30/0	1/30/0	-	-
ELFR	Early Life Failure Rate, 140C	48 Hours	-	-	-	3/1881/0	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	-	3/231/0	3/231/0
HBM	ESD - HBM	4000 V	-	1/3/0	-	-	-
HTOL	Life Test, 140C	480 Hours	-	-	-	3/231/0	-
HTOL	Life Test, 155C	240 Hours	-	-	-	-	-
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	-	3/231/0	3/231/0
LU	Latch-up	(per JESD78)	-	1/6/0	-	-	-
TC	Temperature Cycle, -65/150C	1000 Cycles	-	1/77/0	-	3/231/0	-
TC	Temperature Cycle, -65/150C	500 Cycles	-	1/77/0	1/77/0	3/231/0	3/231/0

- QBS: Qual By Similarity

- Qual Device DRV8848XXXPWP is qualified at LEVEL3-260CG

- 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	PCN_ww_admin_team@list.ti.com

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