



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN#20200124000.1

**Qualification of TI Malaysia an additional Assembly and test site for Select Devices
Change Notification / Sample Request**

Date: January 31, 2020

To: TOKYO ELECTRON DEVICE (DSTR) 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 proposed first ship date is indicated on page 3 of this notification, unless customer agreement has been reached on an earlier implementation of the change.

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 Team ([PCN ww admin team@list.ti.com](mailto:PCN_admin_team@list.ti.com)). For sample requests or sample related questions, contact your field sales representative.

Sincerely,

PCN Team
SC Business Services


20200124000.1
Change Notification / Sample Request
Attachments

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.

DEVICE	CUSTOMER PART NUMBER
TCAN1042HVDR	null
TCAN1042HD	null
TCAN1042HDR	null
TCAN1051HGD	null
TCAN1051HVDR	null

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

PCN Number:	20200124000.1			PCN Date:	Jan 31 2020
Title:	Qualification of TI Malaysia as an additional Assembly and test site for Select Devices				
Customer Contact:	PCN Manager	Dept:	Quality Services		
Proposed 1st Ship Date:	Apr 30 2020	Estimated Sample Availability:	Date provided at sample request		
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 checked="" type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Site
<input 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 Malaysia as an additional assembly and test site for the list of devices below. There are no construction differences between the current and new site.					
Test coverage, insertions, conditions will remain consistent with current testing and verified with test MQ.					
Reason for Change:					
Continuity of Supply					
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):					
None					
Anticipated impact on Material Declaration					
<input checked="" type="checkbox"/>	No Impact to the Material Declaration	<input 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 at the site link below http://www.ti.com/quality/docs/materialcontentsearch.tsp		
Changes to product identification resulting from this PCN:					
Assembly Site	Assembly Site Origin (22L)	Assembly Country Code (23L)	Assembly City		
TI Mexico	MEX	MEX	Aguascalientes		
TI Malaysia	MLA	MYS	Kuala Lumpur		
Sample product shipping label (not actual product label)					
					
Product Affected:					
TCAN1042HD	TCAN1042HGVD	TCAN1051HD	TCAN1051HGVD		

TCAN1042HDR	TCAN1042HGVDR	TCAN1051HDR	TCAN1051HGVDR
TCAN1042HGD	TCAN1042HVD	TCAN1051HGD	TCAN1051HVD
TCAN1042HGDR	TCAN1042HVDR	TCAN1051HGDR	TCAN1051HVDR



TI Information
Selective Disclosure

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: TCAN1051DQ1	Qual Device: TCAN1042DQ1	Qual Device: TCAN1042HVDQ1	Qual Device: TCAN1051VDQ1
AC	Autoclave 121C	96 Hours	-	1/77/0	1/77/0	1/77/0
HAST	Biased HAST, 130C/85%RH	96 Hours	-	1/77/0	1/77/0	1/77/0
HTOL	Life Test, 150C	300 Hours	-	1/77/0	1/77/0	1/77/0
HTSL	High Temp Storage Bake 175C	500 Hours	-	1/45/0	1/45/0	1/45/0
TC	Temperature Cycle, -65/150C	500 Cycles	1/77/0	1/77/0	1/77/0	1/77/0
WBP	Bond Pull	Wires	1/30/0	1/30/0	1/30/0	1/30/0
WBS	Wire Bond Shear	Wires	1/30/0	1/30/0	1/30/0	1/30/0

- QBS: Qual By Similarity
- Qual Devices TCAN1042DQ1, TCAN1051VDQ1, TCAN1051DQ1 and TCAN1042HVDQ1 are qualified at LEVEL1-260C
- 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 contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
WW PCN Team	PCN_ww_admin_team@list.ti.com

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