12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20240625000.1
Qualification of TI Malaysia as additional Assembly site for select devices
Change Notification / Sample Request

Date: June 25, 2024
To: MOUSER 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.

Texas Instruments requires acknowledgement of receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance and approval of this change. If samples or additional data are required, requests must be received within **30 days** of this notification.

The changes discussed within this PCN will not take effect any earlier than the proposed first ship date 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 or to provide acknowledgement of this PCN, you may contact your local Field Sales Representative or the change management team.

For sample requests or sample related questions, contact your local Field Sales Representative.

Sincerely,

Change Management Team
SC Business Services

20240625000.1
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**,** you have recently purchased these devices**.** The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
LM83CIMQAX/NOPB	NULL

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

PCN Number:	20240625000.1	PCN Date:	June 25, 2024
Title:	Qualification of TI Malaysia as additional Assembly site for select devices		
Customer Contact:	Change Management team	Dept:	Quality Services
Proposed 1st Ship Date:	September 23, 2024	Sample requests accepted until:	July 25, 2024

***Sample requests received after** July 25, 2024 **will not be supported.**

Change Type:

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

PCN Details

Description of Change:

Texas Instruments Incorporated is announcing the qualification of TI Malaysia (MLA) as an additional Assembly site for devices listed below in the product affected section. Construction differences and current assembly site as follows:

	UNISEM	MLA
Mount Compound	SID# 47000011	4147858
Mold Compound	SID# 47160078	4211880

Reason for Change:

Supply continuity

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.

RoHS	REACH	Green Status	IEC 62474
☒ No Change	☒ No Change	☒ No Change	☒ No Change

Changes to product identification resulting from this PCN:

Assembly Site	Assembly Site Origin (22L)	Assembly Country Code (23L)	Assembly City
UNISEM	UNM	MYS	Ipoh
TI Malaysia	**MLA**	**MYS**	**Kuala Lumpur**

Sample product shipping label (not actual product label)

Product Affected:		
LM82CIMQAX/NOPB	LM83CIMQAX/NOPB	LM84BIMQAX/NOPB

Qualification Report

Approve Date 31-May-2024

Qualification Results

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

Type	#	Test Name	Condition	Duration	Qual Device: LM84BIMQAX/NOPB	Qual Device: LM83CIMQAX/NOPB	Qual Device: LM82CIMQAX/NOPB
UHAST	A3	Unbiased HAST	130C/85%RH	96 Hours	-	1/77/0	-
TC	A4	Temperature Cycle	-65C/150C	500 Cycles	-	1/77/0	-
ESD	E2	ESD CDM	-	250 Volts	-	1/3/0	-
CHAR	E5	Electrical Characterization	Per Datasheet Parameters	-	1/30/0	1/30/0	-

QBS: Qual By Similarity
Qual Device LM84BIMQAX/NOPB is qualified at MSL1 260C
Qual Device LM83CIMQAX/NOPB is qualified at MSL1 260C
Qual Device LM82CIMQAX/NOPB is qualified at MSL1 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/

For questions regarding this notice, e-mails can be sent to Change Management team or your local Field Sales Representative.

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