



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20250403000.1
Qualify TI Mexico (FMX) as an additional Assembly site
for select package devices
Change Notification / Sample Request

Date: April 03, 2025
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 60 days of the date of this notice. Lack of acknowledgement of this notice within 60 days constitutes acceptance and approval of this change. If samples or additional data are required, requests must be received within 60 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.

TI values customer engagement and feedback related to TI changes. Customers should contact TI if there are questions or concerns regarding a change notification.

Sincerely,

Change Management Team
SC Business Services

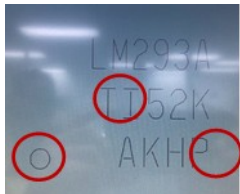
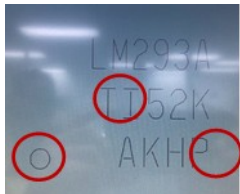
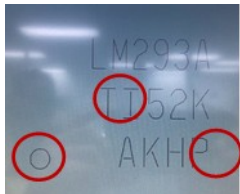
20250403000.1
Change Notification / Sample Request
Attachments

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
TCAN4420DR	NULL

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

PCN Number:	20250403000.1			PCN Date:	April 03, 2025																					
Title:	Qualify TI Mexico (FMX) as an additional Assembly site for select package devices																									
Customer Contact:	Change Management team		Dept:	Quality Services																						
Proposed 1st Ship Date:	July 02, 2025		Sample requests accepted until:	June 02, 2025																						
*Sample requests received after June 02, 2025 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 is pleased to announce the qualification of TI Mexico (FMX) as an alternate Assembly site for select devices in the SOIC package. Construction difference between the current and proposed site is shown below: <table border="1"> <thead> <tr> <th>Material</th> <th>AP1</th> <th>FMX</th> </tr> </thead> <tbody> <tr> <td>Mount compound</td> <td>SID#101375281</td> <td>4147858</td> </tr> <tr> <td>Mold compound</td> <td>SID#101379294</td> <td>4211880</td> </tr> <tr> <td>Pin 1 ID marking</td> <td>Stripe</td> <td>Dot</td> </tr> <tr> <td>TI Bug</td> <td>Include</td> <td>Replace with "TI" text</td> </tr> <tr> <td>ECAT marking</td> <td>Include value</td> <td>Remove</td> </tr> <tr> <td>Sample marking</td> <td></td> <td></td> </tr> </tbody> </table>						Material	AP1	FMX	Mount compound	SID#101375281	4147858	Mold compound	SID#101379294	4211880	Pin 1 ID marking	Stripe	Dot	TI Bug	Include	Replace with "TI" text	ECAT marking	Include value	Remove	Sample marking		
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TI Bug	Include	Replace with "TI" text																								
ECAT marking	Include value	Remove																								
Sample marking																										
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.																										
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 (21L)	Assembly City
AMKOR P1	AKR	PHL	Muntinlupa
TI Mexico	MEX	MEX	Aguascalientes

Sample product shipping label – Matte Sn Finish (not actual product label)


TEXAS INSTRUMENTS
MADE IN: Malaysia
2DC: 20:

MSL '2 /260C/1 YEAR
MSL 1 /235C/UNLIM

SEAL DT
03/29/04




(1P) SN74LS07NSR
(Q) 2000 (D) 0336
(31T) LOT: 3959047MLA
(4W) TKY (1T) 7523483SI2
(P)
(2P) REV: (V) 0033317
(20L) CS0: SHE (21L) CC0: USA
(22L) AS0: MLA (23L) ACO: MYS

OPT:
ITEM: 39
LBL: 5A (L)T0:1750

Product Affected:

TCAN4420DR

Qualification Data

Approve Date 18-March-2025

Qualification Results

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

Type	#	Test Name	Condition	Duration	Qual Device: TCAN4420DR	QBS Reference: TPS65655RSNR	QBS Reference: UCC27301AQDDARQ1	QBS Reference: TPS54360BQDDARQ1
HAST	A2	Biased HAST	130C/85%RH	96 Hours	-	-	3/231/0	-
UHA	A3	Autoclave	121C/15psig	96 Hours	-	-	3/231/0	-
TC	A4	Temperature Cycle	-65C/150C	500 Cycles	-	3/231/0	3/231/0	3/231/0
HTSL	A6	High Temperature Storage Life	150C	1000 Hours	-	2/90/0	3/135/0	-
HTOL	B1	LTOL	-10C	1000 Hours	-	3/231/0	-	-
HTOL	B1	Life Test	140C	500 Hours	-	3/231/0	-	-
HTOL	B1	Life Test	150C	300 Hours	-	-	3/231/0	-
ELFR	B2	ELFR	125C	48 Hours	-	3/3000/0	-	-
ELFR	B2	Early Life Failure Rate	150C	24 Hours	-	-	3/2400/0	-
SD	C3	PB-Free Solderability	Precondition w.155C Dry Bake (4 hrs +/- 15 minutes)	-	-	-	1/15/0	-
PD	C4	Physical Dimensions	Cpk>1.67	-	-	-	3/30/0	3/30/0
ESD	E2	ESD CDM	-	250 Volts	1/3/0	-	-	-
ESD	E2	ESD HBM	-	2000 Volts	-	-	1/3/0	-

LU	E4	LU	Per JESD78	-	-	3/18/0	-	-
LU	E4	Latch-Up	Per JESD78	-	-	-	1/6/0	-
CHAR	E5	Electrical Characterization	Per Datasheet Parameters	-	-	1/30/0	-	-
CHAR	E5	Electrical Distributions	Cpk>1.67 Room, hot, and cold	-	-	-	3/90/0	1/30/0
FTY	E6	Final Test Yield	-	-	1/1/0	1/1/0	1/1/0	3/3/0

QBS: Qual By Similarity, also known as Generic Data

Qual Device TCAN4420DR is qualified at MSL2 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/>

TI Qualification ID: R-CHG-2407-058

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

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