



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20240626000.1
Qualification of new Mount Compound for select devices
Change Notification / Sample Request

Date: June 26, 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

20240626000.1
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
LMG3410R050RWHT	NULL
LMG3411R070RWHT	NULL
LMG3422R030RQZT	NULL
LMG3422R050RQZT	NULL
LMG3425R030RQZT	NULL
LMG3425R050RQZR	NULL
LMG3425R050RQZT	NULL
LMG3426R030RQZT	NULL
LMG3426R050RQZT	NULL

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

PCN Number:	20240626000.1			PCN Date:	June 26, 2024
Title:	Qualification of new Mount Compound for select devices				
Customer Contact:	Change Management team		Dept:	Quality Services	
Proposed 1st Ship Date:	September 24, 2024		Sample requests accepted until:	July 26, 2024	
*Sample requests received after July 26, 2024 will not be supported.					
Change Type:	<input 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 checked="" 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 Material <input type="checkbox"/> Packing/Shipping/Labeling <input type="checkbox"/> Test Process <input type="checkbox"/> Wafer Fab Process				
PCN Details					
Description of Change:					
Texas Instruments is pleased to announce the qualification of a new mold compound for the devices in the Product Affected section below as follows. Device will remain on current Assembly site.					
Current			New		
Mount Compound		Solder paste (Sn5Pb)			Ag Sinter paste (Ag)
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	
<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:					
None					
Product Affected:					
LMG3410R050RWHR	LMG3411R050RWHR	LMG3422R030RQZR	LMG3425R050RQZR		
LMG3410R050RWHT	LMG3411R050RWHT	LMG3422R030RQZT	LMG3425R050RQZT		
LMG3410R070RWHR	LMG3411R070RWHR	LMG3422R050RQZR	LMG3426R030RQZR		
LMG3410R070RWHT	LMG3411R070RWHT	LMG3422R050RQZT	LMG3426R030RQZT		
LMG3410R150RWHR	LMG3411R150RWHR	LMG3425R030RQZR	LMG3426R050RQZR		
LMG3410R150RWHT	LMG3411R150RWHT	LMG3425R030RQZT	LMG3426R050RQZT		

Qualification Report

Approve Date 19-APRIL -2024

Qualification Results

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

Type	Test Name	Condition	Duration	Qual Device: <u>LMG3422R030RQZR</u>
HAST	Biased HAST	110C/85%RH	264 Hours	3/231/0
TC	Temperature Cycle	-40C/125C	850 Cycles	3/231/0
HTSL	High Temperature Storage Life	170C	420 Hours	3/231/0
SD	PB-Free Solderability	PB-Free Solderability	PB-Free Solderability	3/66/0
MQ	Manufacturability (Assembly)	(per mfg. Site specification)	(per mfg. Site specification)	Pass

QBS: Qual By Similarity

Qual Device LMG3422R030RQZR is qualified at NOT CLASSIFIED NOT CLASSIFIED

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/>

Qualification Report

Approve Date 25-JUNE -2024

Qualification Results

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

Type	Test Name	Condition	Duration	Qual Device: <u>LMG3411R070RWHR</u>	QBS Reference: <u>LMG3422R030RQZR</u>
HAST	Biased HAST	110C/85%RH	264 Hours	-	3/231/0
TC	Temperature Cycle	-40C/125C	850 Cycles	3/231/0	3/231/0
HTSL	High Temperature Storage Life	170C	420 Hours	3/231/0	3/231/0
SD	PB-Free Solderability	PB-Free Solderability	PB-Free Solderability	3/66/0	3/66/0
MQ	Manufacturability (Assembly)	(per mfg. Site specification)	(per mfg. Site specification)	Pass	Pass

QBS: Qual By Similarity

Qual Device LMG3411R070RWHR is qualified at NOT CLASSIFIED NOT CLASSIFIED

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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