



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN# 20191119002.1**  
**Qualification of new Leadframe and Lead finish for Select Devices**  
**Change Notification / Sample Request**

**Date:** November 21, 2019  
**To:** PREMIER FARNELL PCN

Dear Customer:

This is an announcement of 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 of the change. 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.

If samples or additional data are required, requests must be received within 30 days of acknowledgement as samples are not built ahead of the change. You may contact the PCN Manager or your local Field Sales Representative to acknowledge this PCN and request samples or additional data.

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_ww_admin_team@list.ti.com)).

Sincerely,

PCN Team  
SC Business Services

**20191119002.1**  
**Attachment: 1**

**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.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
TPS562201DDCT	null
TPS562208DDCT	null
TPS563201DDCT	null
TPS563208DDCT	null

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

<b>PCN Number:</b>	20191119002.1		<b>PCN Date:</b>	Nov 21, 2019	
<b>Title:</b>	Qualification of new Leadframe and Lead finish for Select Devices				
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services		
<b>Proposed 1<sup>st</sup> Ship Date:</b>	Feb 19, 2020	<b>Estimated Sample Availability:</b>	Date Provided at Sample request		
<b>Change Type:</b>					
<input 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 checked="" 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 type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Materials
				<input type="checkbox"/>	Wafer Fab Process
<b>PCN Details</b>					
<b>Description of Change:</b>					
Texas Instruments Incorporated is announcing the qualification of a new leadframe and lead finish for Select devices as follows:					
		<b>Current</b>		<b>New</b>	
	Leadframe p/n	4223045 or 4223046		4223784 or 4223045	
	Lead finish	NiPdAu		Matte Sn	
<b>Reason for Change:</b>					
Continuity of supply					
<b>Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):</b>					
None					
<b>Anticipated impact on Material Declaration</b>					
<input type="checkbox"/>	No Impact to the Material Declaration	<input checked="" 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 from the <a href="#">TI Eco-Info website</a> . There is no impact to the material meeting current regulatory compliance requirements with this PCN change.		
<b>Changes to product identification resulting from this PCN:</b>					
None					
<b>Product Affected:</b>					
SN1708041DDCR	TPS562201DDCT	TPS563201DDCR	TPS563208DDCR		
SN1709020DDCR	TPS562208DDCR	TPS563201DDCT	TPS563208DDCT		
TPS562201DDCR	TPS562208DDCT				

**Qualification Results**

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

Type	Test Name / Condition	Duration	Qual Device: TLV62568DRLR	Qual Device: TPS562201DDCR	Qual Device: TPS562201DDCR	Qual Device: TPS563201DDCR	Qual Device: TPS563201DDCR
AC	Autoclave 121C	96hrs	3/231/0	-	-	3/231/0	3/231/0
MQ	Manufacturability	per QSS 004-403	3/Pass	2/Pass	3/Pass	3/Pass	3/Pass
PC	Preconditioning	(per the appropriate pkg level)	3/231/0	-	-	3/231/0	3/231/0
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0	-	-	3/231/0	3/231/0

- QBS: Qual By Similarity
- Qual Device TLV62568DRLR is qualified at LEVEL 1-260CG
- Qual Device TPS562201DDCR\_SYNTRONIXS is qualified at LEVEL 1-260CG
- Qual Device TPS563201DDCR\_CIRTEK is qualified at LEVEL 1-260CG
- Qual Device TPS563201DDCR\_SYNTRONIXS is qualified at LEVEL 1-260CG
- Qual Device TPS562201DDCR\_CIRTEK is qualified at LEVEL 1-260CG
- Preconditioning was performed for Autoclave and Temperature Cycle
- 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
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
WW PCN Team	<a href="mailto:PCN_ww_admin_team@list.ti.com">PCN_ww_admin_team@list.ti.com</a>

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