



**12500 TI Boulevard, MS 8640, Dallas, Texas 75243**

**PCN# 20240408003.2  
Datasheet for DLPC23x-Q1 and DLPC23xS-Q1**

**Date:** April 12, 2024  
**To:** MOUSER PCN

Dear Customer:

This is a notice of change to a product data sheet for 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 and approval of this change. If samples or additional data are required, requests must be received within **30 days** of this notification.

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 Change Management team.

Sincerely,  
Change Management Team  
SC Business Services

## **Data Sheet Change 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.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
DLPC230TZDQQ1	NULL
DLPC230TZDQRQ1	NULL

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

<b>PCN Number:</b>	20240408003.2	<b>PCN Date:</b>	April 12, 2024
<b>Title:</b>	Datasheet for DLPC23x-Q1 and DLPC23xS-Q1		
<b>Customer Contact:</b>	Change Management	<b>Dept:</b>	Quality Services
<b>Proposed 1<sup>st</sup> Ship Date:</b>	October 09, 2024		
<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 checked="" 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 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

## Notification Details

### Description of Change:

Texas Instruments Incorporated is announcing an information only notification.

The product datasheet(s) is being updated as summarized below.



**DLPC230-Q1, DLPC231-Q1**

DLPS054H – DECEMBER 2015 – REVISED MARCH 2024

### Changes from Revision G (September 2023) to Revision H (March 2024)

	Page
• Updated section for inclusive terminology; Added note to <a href="#">Table 4-10</a> .....	3
• Changed <i>ESD Ratings</i> table to the automotive format; added <i>ESD Ratingsspec</i> for ZEK package.....	15
• Removed "Advanced Information" comment; Updated footnote 2 example.....	16
• Updated Max current values for VCC1.1 and VCC1.8 total and each supply input.....	17
• Updated Package - Maximum Power.....	21
• Updated <a href="#">Section 5.20</a> for inclusive terminology.....	31
• Updated <a href="#">Section 5.21</a> section for inclusive terminology.....	32
• Updated <a href="#">Section 7.3.9</a> for inclusive terminology.....	48
• Updated <a href="#">Section 7.3.10</a> for inclusive terminology.....	48
• Added Layout examples.....	65
• Added DLPC231 Device Markings.....	66
• Updated ZDQ0324A package outline to show alternate mold dimension; Added ZEK0324A package outline drawing to support DLPC231-Q1 and DLPC231S-Q1.....	70



**DLPC230S-Q1, DLPC231S-Q1**

DLPS201D – AUGUST 2020 – REVISED MARCH 2024

<b>Changes from Revision C (September 2023) to Revision D (March 2024)</b>	<b>Page</b>
• Updated section for inclusive terminology; Added note to Table 4-10.....	3
• Changed <i>ESD Ratings</i> table to the automotive format; added <i>ESD Ratingsspec</i> for ZEK package.....	15
• Removed "Advanced Information" comment; Updated footnote 2 example.....	16
• Updated Max current values for VCC1.1 and VCC1.8 total and each supply input.....	17
• Updated Package - Maximum Power.....	21
• Updated <b>Section 5.20</b> for inclusive terminology.....	31
• Updated <b>Section 5.21</b> for inclusive terminology.....	32
• Updated <b>Section 7.3.9</b> for inclusive terminology.....	48
• Updated <b>Section 7.3.10</b> for inclusive terminology.....	48
• Added DLPC231 Device Markings.....	64
• Updated ZDQ0324A package outline to show alternate mold dimension.; Added ZEK0324A package outline drawing to support DLPC231-Q1 and DLPC231S-Q1.....	67

The datasheet number will be changing.

Device Family	Change From:	Change To:
DLPC23x-Q1	DLPS054G	<b>DLPS054H</b>
DLPC23xS-Q1	DLPS201C	<b>DLPS201D</b>

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/DLPC230TZDQQ1>

<http://www.ti.com/product/DLPC230STZDQQ1>

#### **Reason for Change:**

To accurately reflect device characteristics.

#### **Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):**

Electrical specification performance changes as indicated above.

#### **Changes to product identification resulting from this PCN:**

None.

#### **Product Affected:**

DLPC230TZDQQ1	DLPC230TZDQRQ1	DLPC231ZEKQ1	DLPC231ZEKRQ1
DLPC230STZDQQ1	DLPC231SZEKQ1	DLPC231SZEKRQ1	DLPC231STZDQRQ1

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

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