

<b>PCN Number:</b>	20230807007.0	<b>PCN Date:</b>	August 14, 2023
<b>Title:</b>	Datasheet for DLPC23xS-Q1		
<b>Customer Contact:</b>	Change Management team	<b>Dept:</b>	Quality Services
<b>Change Type:</b>	Electrical Specification		

## PCN Details

### Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



**DLPC230S-Q1, DLPC231S-Q1**  
DLPS201B – AUGUST 2020 – REVISED AUGUST 2023

### Changes from Revision A (October 2020) to Revision B (August 2023)

Page

• Updated the data sheet title to DLPC23x - for DLPC230 and DLPC231 controllers .....	1
• Added AEC-Q100 features .....	1
• Added hyperlinks to other TI parts and additional information regarding DLP projector resources in the <i>Description</i> section.....	1
• Added the new nFBGA package for DLPC231.....	1
• Added the ZEK package diagram for DLPC231.....	4
• Changed Current Characteristics in <a href="#">Section 6.5</a> .....	18
• Changed $I_{OL}$ and $I_{OH}$ for 3.3-V LVCMOS (I/O type 16), 3.3-V I <sup>2</sup> C buffer (I/O type 15), and 3.3-V I <sup>2</sup> C buffer (I/O type 12) in <a href="#">Section 6.6</a> .....	19
• Deleted $T_{xLoad}$ from <a href="#">Section 6.7</a> . This is addressed in <a href="#">Section 9.4</a> .....	21
• Deleted $T_{xLoad}$ from <a href="#">Section 6.8</a> . This is addressed in <a href="#">Section 9.4</a> .....	23
• Added $t_{ramp}$ in <a href="#">Section 6.12</a> .....	25
• Deleted $t_{vhold}$ , $t_{mon}$ , and $t_{park}$ in <a href="#">Section 6.12</a> .....	25
• Changed Power Timing Diagram - <a href="#">Figure 6-2</a> .....	25
• Changed $f_{clock}$ min from 16 MHz to 20 MHz in <a href="#">Section 6.14</a> .....	27
• Added 576 × 288 resolution support in <a href="#">Section 6.15</a> .....	28
• Deleted $t_{p\_clkx}$ from <a href="#">Section 6.18</a> .....	31
• Changed $f_{clock}$ in <a href="#">Section 6.18</a> .....	31
• Deleted $t_{p\_clkx}$ from <a href="#">Section 6.19</a> .....	33
• Changed $t_{p\_wh}$ and $t_{p\_wl}$ description and $f_{clock}$ in <a href="#">Section 6.19</a> .....	33
• Changed <a href="#">Figure 6-9</a> .....	33
• Added <a href="#">Section 6.20</a> .....	35
• Added 576 × 288 resolution support in <a href="#">Section 7.2.1</a> .....	38
• Deleted SPI flash devices ISSI IS25LP128-JMLA2 and IS25LP128A-JMLA2 from <a href="#">Table 8-5</a> .....	46
• Added SPI flash devices Macronix MX25L12845GMR-10G and Winbond 25Q128FV to <a href="#">Table 8-5</a> .....	46
• Added <a href="#">Section 9.3.3</a> .....	57

The datasheet number will be changing.

Device Family	Change From:	Change To:
DLPC23xS-Q1	DLPS201A	<b>DLPS201B</b>

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/DLPC230S-Q1>

### Reason for Change:

To accurately reflect device characteristics.

<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>			
No anticipated impact. This is a specification change announcement only. There are no changes to the actual device			
<b>Changes to product identification resulting from this PCN:</b>			
None.			
<b>Product Affected:</b>			
DLPC230STZDQQ1	DLPC23STZDQRQ1		

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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