

**Notification# 20170919002**  
**Datasheet for TL071, TL071A, TL071BTL072, TL072A, TL072B,**  
**TL074, TL074A, TL074B, TL072M, TL074M**  
**Information Only**

**Date:** September 22, 2017

**To:** EBV PCN

Dear Customer:

This is an information-only announcement of a change to the datasheet for a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Manager ([PCN\\_ww\\_admin\\_team@list.ti.com](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

PCN Team  
SC Business Services


## Information Only Attachments

### 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>
TL071ACD	null
TL071CDR	null
TL071CP	null
TL071ID	null
TL072BCD	null
TL072BCDR	null
TL072IDR	null
TL072IP	null
TL072MJG	null
TL074ACDR	null
TL074BCDR	null
TL074CD	null
TL074CDR	null
TL074CDRG4	null
TL074CN	null
TL074CPWR	null
TL074IDR	null
TL074IN	null
TL074MJ	null
TL074MJB	null
81023062A	null
TL071ACDR	null
TL071BCD	null
TL071CD	null
TL071IDR	null
TL071IP	null
TL072ACD	null
TL072ACDR	null
TL072ACP	null
TL072BCP	null
TL072CD	null
TL072CDR	null
TL072CP	null
TL072CPWR	null
TL072ID	null
TL072MFKB	null
TL074ACD	null
TL074ACN	null
TL074BCN	null
TL074CPW	null

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

<b>PCN Number:</b>	20170919002	<b>PCN Date:</b>	September 22, 2017
<b>Title:</b>	Datasheet for TL071, TL071A, TL071B, TL072, TL072A, TL072B, TL074, TL074A, TL074B, TL072M, TL074M		
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services
<b>Change Type:</b>			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process
<b>Notification Details</b>			
<b>Description of Change:</b>			
<p>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.</p>			
		<b>TL071, TL071A, TL071B</b> <b>TL072, TL072A, TL072B, TL074, TL074A, TL074B, TL072M, TL074M</b> <small>SLOS080N – SEPTEMBER 1978 – REVISED JULY 2017</small>	
<b>Changes from Revision M (February 2014) to Revision N</b>			
			<b>Page</b>
<ul style="list-style-type: none"> <li>• Updated data sheet text to latest documentation and translation standards ..... 1</li> <li>• Added TL072M and TL074M devices to data sheet ..... 1</li> <li>• Rewrote text in <i>Description</i> section ..... 1</li> <li>• Changed TL07x 8-pin PDIP package to 8-pin CDIP package in <i>Device Information</i> table ..... 1</li> <li>• Deleted 20-pin LCCC package from <i>Device Information</i> table ..... 1</li> <li>• Added 2017 copyright statement to front page schematic ..... 1</li> <li>• Deleted TL071x FK (LCCC) pinout drawing and pinout table in <i>Pin Configurations and Functions</i> section ..... 4</li> <li>• Updated pinout diagrams and pinout tables in <i>Pin Configurations and Functions</i> section ..... 5</li> <li>• Deleted differential input voltage parameter from <i>Absolute Maximum Ratings</i> table ..... 10</li> <li>• Deleted table notes from <i>Absolute Maximum Ratings</i> table ..... 10</li> <li>• Added new table note to <i>Absolute Maximum Ratings</i> table ..... 10</li> <li>• Changed minimum supply voltage value from –18 V to –0.3 V in <i>Absolute Maximum Ratings</i> table ..... 10</li> <li>• Changed maximum supply voltage from 18 V to 36 V in <i>Absolute Maximum Ratings</i> table ..... 10</li> <li>• Changed minimum input voltage value from –15 V to <math>V_{CC-} - 0.3</math> V in <i>Absolute Maximum Ratings</i> table ..... 10</li> <li>• Changed maximum input voltage from 15 V to <math>V_{CC+} + 36</math> V in <i>Absolute Maximum Ratings</i> table ..... 10</li> <li>• Added input clamp current parameter to <i>Absolute Maximum Ratings</i> table ..... 10</li> <li>• Changed common-mode voltage maximum value from <math>V_{CC+} - 4</math> V to <math>V_{CC+}</math> in the <i>Recommended Operating Conditions</i> table ..... 10</li> <li>• Changed devices in <i>Recommended Operating Conditions</i> table from TL07xA and TL07xB to TL07xAC and TL07xBC ..... 10</li> <li>• Added TL07xl operating free-air temperature minimum value of –40°C to <i>Recommended Operating Conditions</i> table ... 10</li> <li>• Added U (CFP) package thermal values to <i>Thermal Information: TL072x (cont.)</i> table ..... 11</li> <li>• Added W (CFP) package thermal values to <i>Thermal Information: TL074x (cont.)</i> table ..... 12</li> <li>• Added <a href="#">Figure 20</a> to <a href="#">Table 1</a> ..... 20</li> <li>• Added <a href="#">Figure 20</a> to <i>Typical Characteristics</i> section ..... 24</li> <li>• Added second <i>Typical Application</i> section application curves ..... 29</li> <li>• Reformatted document references in <i>Layout Guidelines</i> section ..... 32</li> <li>• Updated formatting of document reference in <i>Related Documentation</i> section ..... 34</li> </ul>			

The datasheet number will be changing.

Device Family	Change From:	Change To:
TL071, TL071A, TL071B, TL072, TL072A, TL072B, TL074, TL074A, TL074B, TL072M, TL074M	SLOS080M	SLOS080N

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TL071>

**Reason for Change:**

To accurately reflect device characteristics.

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

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.

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

None.

**Product Affected:**

81023052A	TL071IP	TL072CPWRG4	TL074CD
8102305HA	TL071IPE4	TL072ID	TL074CDE4
8102305PA	TL072ACD	TL072IDE4	TL074CDG4
81023062A	TL072ACDE4	TL072IDG4	TL074CDR
8102306CA	TL072ACDR	TL072IDR	TL074CDRE4
8102306DA	TL072ACDRE4	TL072IDRE4	TL074CDRG4
JM38510/11905BPA	TL072ACDRG4	TL072IDRG4	TL074CN
M38510/11905BPA	TL072ACP	TL072IP	TL074CNE4
TL071ACD	TL072ACPE4	TL072IPE4	TL074CNSR
TL071ACDG4	TL072BCD	TL072MFKB	TL074CNSRG4
TL071ACDR	TL072BCDE4	TL072MJG	TL074CPW
TL071ACP	TL072BCDG4	TL072MJGB	TL074CPWG4
TL071ACPE4	TL072BCDR	TL072MUB	TL074CPWR
TL071BCD	TL072BCDRE4	TL074ACD	TL074CPWRE4
TL071BCDE4	TL072BCDRG4	TL074ACDE4	TL074CPWRG4
TL071BCDG4	TL072BCP	TL074ACDG4	TL074ID
TL071BCDR	TL072BCPE4	TL074ACDR	TL074IDE4
TL071BCP	TL072CD	TL074ACDRE4	TL074IDG4
TL071BCPE4	TL072CDE4	TL074ACDRG4	TL074IDR
TL071CD	TL072CDG4	TL074ACN	TL074IDRE4
TL071CDR	TL072CDR	TL074ACNE4	TL074IDRG4
TL071CDRE4	TL072CDRE4	TL074ACNSR	TL074IN
TL071CDRG4	TL072CDRG4	TL074BCD	TL074INE4
TL071CP	TL072CP	TL074BCDE4	TL074MFK
TL071CPE4	TL072CPE4	TL074BCDG4	TL074MFKB
TL071CPSR	TL072CPSR	TL074BCDR	TL074MJ
TL071CPSRG4	TL072CPSRE4	TL074BCDRE4	TL074MJB
TL071ID	TL072CPSRG4	TL074BCDRG4	TL074MWB
TL071IDR	TL072CPWR	TL074BCN	
TL071IDRG4	TL072CPWRE4	TL074BCNE4	

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

<b>Location</b>	<b>E-Mail</b>
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>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>