



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

**PCN# 20150304000  
Datasheet update for MSP430F5132/52/72  
Information Only**

**Date:** 3/9/2015  
**To:** MOUSER PCN

Dear Customer:

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

The changes discussed within this PCN 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

**20150304000**  
**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>
MSP430F5132IDA	null
MSP430F5132IDAR	null
MSP430F5152IDA	null
MSP430F5152IDAR	null
MSP430F5152IRSBT	null
MSP430F5172IDA	null
MSP430F5172IDAR	null
MSP430F5172IRSBT	null
MSP430F5172IYFFT	null

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

<b>PCN Number:</b>	20150304000	<b>PCN Date:</b>	03/09/2015
<b>Title:</b>	Datasheet update for MSP430F5132/52/72		
<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"/> 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	

PCN Details																			
<b>Description of Change:</b>																			
<p>Texas Instruments Incorporated is announcing an information-only product change notification.</p> <p>The product datasheet(s) is being updated as summarized below.</p> <p>The following change history provides further details:</p>																			
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: left;">  <p><b>TEXAS INSTRUMENTS</b></p> <p><a href="http://www.ti.com">www.ti.com</a></p> </div> <div style="text-align: right;"> <p><b>MSP430F5172, MSP430F5152, MSP430F5132</b>  <b>MSP430F5171, MSP430F5151, MSP430F5131</b></p> <p>SLAS619N – AUGUST 2010 – REVISED JANUARY 2015</p> </div> </div>																			
<table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Changes from Revision M (May 2014) to Revision N</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr> <td>• Moved <math>T_{stg}</math> to <a href="#">Section 5.1</a> .....</td> <td style="text-align: right;"><a href="#">12</a></td> </tr> <tr> <td>• Added <a href="#">Section 5.2</a>, <i>ESD Ratings</i>.....</td> <td style="text-align: right;"><a href="#">12</a></td> </tr> <tr> <td>• Added notes (1) through (3) to <a href="#">Section 5.35</a>, <i>USCI (SPI Master Mode)</i> .....</td> <td style="text-align: right;"><a href="#">32</a></td> </tr> <tr> <td>• Added notes (1) through (3) to <a href="#">Section 5.36</a>, <i>USCI (SPI Slave Mode)</i> .....</td> <td style="text-align: right;"><a href="#">34</a></td> </tr> <tr> <td>• Changed the MAX limit of <math>E_G</math> "Gain error, external reference, buffered" from <math>\pm 1.5</math> LSB to <math>\pm 5</math> LSB in <a href="#">Section 5.40</a> ..</td> <td style="text-align: right;"><a href="#">38</a></td> </tr> <tr> <td>• Removed specification for <math>E_T</math> "Total unadjusted error, external buffered and unbuffered reference" in <a href="#">Section 5.40</a> ..</td> <td style="text-align: right;"><a href="#">38</a></td> </tr> <tr> <td>• Moved <i>Input/Output Schematics</i> to <a href="#">Section 6.10</a> .....</td> <td style="text-align: right;"><a href="#">71</a></td> </tr> <tr> <td>• Moved <i>Device Descriptors</i> to <a href="#">Section 6.11</a> .....</td> <td style="text-align: right;"><a href="#">88</a></td> </tr> </tbody> </table>		Changes from Revision M (May 2014) to Revision N	Page	• Moved $T_{stg}$ to <a href="#">Section 5.1</a> .....	<a href="#">12</a>	• Added <a href="#">Section 5.2</a> , <i>ESD Ratings</i> .....	<a href="#">12</a>	• Added notes (1) through (3) to <a href="#">Section 5.35</a> , <i>USCI (SPI Master Mode)</i> .....	<a href="#">32</a>	• Added notes (1) through (3) to <a href="#">Section 5.36</a> , <i>USCI (SPI Slave Mode)</i> .....	<a href="#">34</a>	• Changed the MAX limit of $E_G$ "Gain error, external reference, buffered" from $\pm 1.5$ LSB to $\pm 5$ LSB in <a href="#">Section 5.40</a> ..	<a href="#">38</a>	• Removed specification for $E_T$ "Total unadjusted error, external buffered and unbuffered reference" in <a href="#">Section 5.40</a> ..	<a href="#">38</a>	• Moved <i>Input/Output Schematics</i> to <a href="#">Section 6.10</a> .....	<a href="#">71</a>	• Moved <i>Device Descriptors</i> to <a href="#">Section 6.11</a> .....	<a href="#">88</a>
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<p>These changes may be reviewed at the datasheet links provided.</p> <p><a href="http://www.ti.com/product/msp430f5172">http://www.ti.com/product/msp430f5172</a></p>																			
<b>Reason for Change:</b>																			
To more accurately reflect device characteristics.																			
<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>																			
Electrical specification performance changes as indicated above.																			
<b>Changes to product identification resulting from this PCN:</b>																			
None.																			

<b>Product Affected:</b>			
MSP430F5132IDA	MSP430F5132IYFFT	MSP430F5152IYFFR	MSP430F5172IRSBT
MSP430F5132IDAR	MSP430F5152IDA	MSP430F5152IYFFT	MSP430F5172IYFFR
MSP430F5132IRSBR	MSP430F5152IDAR	MSP430F5172IDA	MSP430F5172IYFFT
MSP430F5132IRSBT	MSP430F5152IRSBR	MSP430F5172IDAR	
MSP430F5132IYFFR	MSP430F5152IRSBT	MSP430F5172IRSBR	

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>