

<b>Notification Number:</b>	20160714000	<b>Notification Date:</b>	07/27/2016
<b>Title:</b>	Datasheet for INA138-Q1/INA168-Q1		
<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

### Notification Details

#### Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is updated as seen in the change revision history below:



#### INA138-Q1, INA168-Q1

SGLS174H – SEPTEMBER 2003 – REVISED MAY 2016

[www.ti.com](http://www.ti.com)

#### Changes from Revision G (January 2014) to Revision H

Page

• Added Device Information, ESD Ratings, Recommended Operating Conditions, and Thermal Information tables, and Feature Description, Application and Implementation, Power Supply Recommendations, Layout, Device and Documentation Support, and Mechanical, Packaging, and Orderable Information sections .....	1
• Added new automotive qualification features bullet, and deleted old bullet .....	1
• Changed Application bullets .....	1
• Added pin names to all figures and removed all pin numbers .....	1
• Deleted Ordering Information table; information available in the Package Option Addendum at the end of this data sheet	3
• Added missing minus sign to $V_{IN-}$ pin in pin configuration figures .....	3
• Deleted thermal resistance from Absolute Maximum Ratings table; see new Thermal Information table .....	4
• Changed $R_{\theta JA}$ value for both packages .....	5
• Changed $V_S$ to $V+$ throughout data sheet for consistency .....	5
• Changed $R_{OUT}$ in Electrical Characteristics table to $R_L$ for consistency .....	5
• Changed $V_{IN}$ to $V_{SENSE}$ in Figure 4 .....	6
• Deleted $V_S$ symbol from text regarding voltage drop in Operation section .....	9
• Changed 10 $\mu A$ to 100 $\mu A$ in Operation section (typo) .....	9
• Changed Figure 9; removed incorrect pin numbers, and moved embedded table to outside of figure .....	10
• Changed Figure 10 .....	11
• Changed Figure 15 .....	15

The datasheet number will be changing.

Device Family	Change From:	Change To:
<a href="#">INA138-Q1/INA168-Q1</a>	SGLS174G	<b>SGLS174H</b>

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/lit/ds/symlink/ina138-q1.pdf>

#### Reason for Change:

To more 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 notification:

None.

<b>Product Affected:</b>			
INA138QPWRQ1	INA168QDBVRQ1	INA168QPWRG4Q1	INA168QPWRQ1

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>
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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>