

|                          |                                 |                                     |                     |
|--------------------------|---------------------------------|-------------------------------------|---------------------|
| <b>PCN Number:</b>       | 20171017000                     | <b>PCN Date:</b>                    | Nov. 7, 2017        |
| <b>Title:</b>            | Datasheet for PGA460-Q1, PGA460 |                                     |                     |
| <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 being updated as summarized below.

The following change history provides further details.



**PGA460-Q1**

SLASEC8A – FEBRUARY 2017 – REVISED AUGUST 2017

#### Changes from Original (February 2017) to Revision A

Page

|   |     |
|---|-----|
| • Added zero padding information to the <i>CONFIGURATION/STATUS Command</i> section.....  | 31  |
| • Changed UART interface parameter text from: 1 stop bit to: 2 stop bit .....   | 33  |
| • Changed interfield wait time text from: optional to: required for 1 stop bit.....   | 33  |
| • Added sentence: The sync field (0x55) is not included as part of the checksum calculation. ....   | 36  |
| • Updated content and added tablenotes to <a href="#">Table 3</a> .....   | 37  |
| • Added sentence: The diagnostic field is included in the slave generated checksum calculation. ....  | 40  |
| • Added subsection <i>Direct Data Burst Through USART Synchronous Mode</i> .....  | 45  |
| • Added <a href="#">Equation 8</a> .....  | 50  |
| • Added sentence: This includes all threshold timing and level values. ....   | 52  |
| • Updated <i>UART and USART Communication Examples</i> content .....  | 55  |
| • Updated content in <a href="#">Table 101</a> .....  | 105 |
| • Added content to <i>Application Curves</i> .....  | 107 |
| • Added content to <i>Direct-Driven (Transformer-Less) Method</i> and changed <a href="#">Figure 141</a> such that a GND node is present at XDCR <sub>Negative</sub> and C <sub>INN</sub> ..... | 108 |
| • Changed text from: TDK EPCOS B78416A2232A03 Transformer, muRata MA40H1S-R transducer to: Fairchild FDC6506P p-channel MOSFET, muRata MA40H1S-R transducer .....                               | 109 |

**Changes from Original (April 2017) to Revision A**
**Page**

|   |     |
|---|-----|
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The datasheet number will be changing.

| Device Family | Change From: | Change To: |
|---------------|--------------|------------|
| PGA460-Q1     | SLASEC8      | SLASEC8A   |
| PGA460        | SLASEJ4      | SLASEJ4A   |

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/PGA460-Q1>

<http://www.ti.com/product/PGA460>

**Reason for Change:**

To reflect the device pin descriptions and the interconnections in the figure accurately.

**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:**

|             |              |           |            |
|-------------|--------------|-----------|------------|
| PGA460TPWQ1 | PGA460TPWRQ1 | PGA460TPW | PGA460TPWR |
|-------------|--------------|-----------|------------|

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

| Location     | E-Mail   |
|--------------|--|
| 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>       |