

Notification Number:	20210506001	Notification Date:	May 12, 2021
Title:	Datasheet for PGA411-Q1		
Customer Contact:	Notification Manager	Dept:	Quality Services

Change Type: Electrical Specification

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.



Changes from Revision E (May 2017) to Revision F (April 2021)	Page
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Added Functional Safety-Compliant bullets to the data sheet.....	1
• Changed device visibility status from public to selective disclosure.....	1
• Changed key graphic.....	1
• Changed the <i>Exciter to SIN and COS phase adjustment range</i> parameter.....	10
• Added <i>EEPROM Characteristics</i> table.....	13
• Changed V_{VIO} typical test condition from: $V_{VIO} = 3.3\text{ V to }5\text{ V}$ to: $V_{VIO} = 3.3\text{ V}$	13
• Changed the <i>Rise and fall times of emulated encoder outputs</i> parameter.....	14
• Added power-up sequence note to the <i>Overview</i> section.....	18
• Changed EXTOUT settings in Table 7-1	22
• Changed <i>Auto Mode</i> section.....	30
• Added note to <i>Diagnostics Monitor</i> section.....	32
• Added content to the <i>Differential Output Undervoltage and Overvoltage</i> section.....	36
• Changed <i>Single-ended exciter overvoltage/Single-ended exciter overvoltage</i> fault pin state in Table 7-4 from: Hi-Z / High to: Low.....	45
• Added content to the <i>EEPROM Memory</i> section.....	50
• Added '05 14 00' to 192-bit register value example: 8F C0 00 C0 AA AA 07 F2 1C 00 03 8F 05 14 00 05 14 00 00 02 00 00 00 00	54
• Changed nBOOST_FF bit description in Table 7-17	60
• Added the PGA411-Q1 correction range (-89.9 to -20 deg or 20 to 89.9 deg) to the <i>AFE External-Component Value Selection</i> section.....	94
• Added Figure 9-1	102

The datasheet number will be changing.

Device Family	Change From:	Change To:
PGA411-Q1	SLASE76E	SLASE76F

The datasheet is considered "custom", for that reason; the document is not available on the TI website. Please contact the TI Customer Quality Engineer (CQE) for a copy of the datasheet.

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 notification:

None.

Product Affected:

PGA411QPAPRQ1			
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For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

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