PCN Number:	20130716000	**PCN Date:**	07/31/2013
Title:	DAC3482 Data Sheet		
Customer Contact:	PCN Manager	**Phone:**	+1(214) 480-6037
Dept:	Quality Services		
Proposed 1st Ship Date:	Not Applicable	**Estimated Sample Availability:**	Not Applicable

Change Type:

☐	Assembly Site	☐	Assembly Process	☐	Assembly Materials
☐	Design	☒	Electrical Specification	☐	Mechanical Specification
☐	Test Site	☐	Packing/Shipping/Labeling	☐	Test Process
☐	Wafer Bump Site	☐	Wafer Bump Material	☐	Wafer Bump Process
☐	Wafer Fab Site	☐	Wafer Fab Materials	☐	Wafer Fab Process

PCN Details

Description of Change:

The product datasheet(s) is being updated to change the description in device synchronization and latency specifications in order to reflect accurate operation. Information regarding the on-chip phase-locked loop is also updated to describe additional production test coverage and device capabilities.

The following change history provides further details. These changes may be reviewed at the datasheet links provided.

Changes from Revision D (August 2012) to Revision E **Page**

- Changed Power Supply Specification Table under Electrical Specification. This specification depends on the enhanced production test coverage and is specific to devices with certain date code. Refer to Clarifications for DAC3482 Power Supply and Phase-Locked Loop Specification Section for details 12
- Deleted Note (5) in Power Consumption Specification to reflect the latest DAC3482 speed specification. 12
- Changed DACCLKP/N typical clock swing specification to reflect commonly used LVPECL driver 13
- Changed DACCLKP/N typical clock swing specification to reflect commonly used LVPECL driver 13
- Changed DACCLK driver requirement to reflect actual device performance under commonly used LVPECL drivers 13
- Changed Analog Output Specification Table under Electrical Specification. This specification depends on the enhanced production test coverage and is specific to devices with certain date code. Refer to Clarifications for DAC3482 Power Supply and Phase-Locked Loop Specification Section for details 16
- Changed Digital Latency Specification for QMC to reflect the actual DAC3482 parameter 16
- Changed Digital Latency Specification for Inverse Sinc to reflect the actual DAC3482 parameter 16
- Added Phase-Locked Loop Specification Table under Electrical Specification. This specification depends on the enhanced production test coverage and is specific to devices with certain date code. Refer to Clarifications for DAC3482 Power Supply and Phase-Locked Loop Specification Section for details 17
- Changed pll_vco(6:0) to pll_vco(5:0) to reflect actual bit width in the register 40
- Changed config45, bit12:1 default value to reflect the actual default register value 45
- Changed config45, bit0 description to clarify additional DAC3482 behavior 45
- Changed syncsel_fifoout(3:0) description to clarify the FIFO read pointer reset capture method and limitation 50
- Changed information to SINGLE SYNC SOURCE MODE section to clarify the latency limitation of Single Sync Source Mode 52
- Added "the effect of bypassing the FIFO" in the Bypass Mode section to clarify the operation of FIFO, LVDS FRAME, and LVDS SYNC in FIFO Bypass Mode 53
- Changed PLL Mode section with additional operating recommendations for the DAC3482 on-chip PLL 55
- Changed information to MULTI-DEVICE OPERATION: SINGLE SYNC SOURCE MODE section to clarify the latency limitation of Single Sync Source Mode 59
- Changed Figure 64 to clarify the latency limitation of Single Sync Source Mode 60
- Changed Data Pattern Checker section with additional operating recommendations 69
- Added additional requirements for Block Parity section when byte wide input data mode is selected 72
- Changed the NCO setting description in the Example Start-up Sequence Section to reflect the example register writes 75

Device Family	Change From:	Change To:
DAC3482	SLAS748D	**SLAS748E**

The updated datasheet(s) can be accessed by the following link(s):
http://www.ti.com/product/dac3482

Reason for Change:
To accurately reflect device characteristics and device capabilities.
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):
Electrical specification performance changes as indicated above.
Changes to product identification resulting from this PCN:
None
Product Affected:

DAC3482IRKD25	DAC3482IRKDT	DAC3482IZAYR
DAC3482IRKDR	DAC3482IZAY	

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