



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20240520002.0
Datasheet for DACx3508
Information Only**

Date: June 20, 2024
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 notification 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 Change Management team.

Sincerely,

Change Management Team
SC Business Services

20240520002.0
Information Only Datasheet
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
DAC53508RTET	NULL

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

PCN Number:	20240520002.0	PCN Date:	June 20, 2024
Title:	Datasheet for DACx3508		
Customer Contact:	Change Management team	Dept:	Quality Services
Change Type:	Electrical Specification		

PCN 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.



DAC43508, DAC53508, DAC63508
SLASF08A – DECEMBER 2021 – REVISED MAY 2024

Changes from Revision * (December 2023) to Revision A (May 2024)	Page
• Added DAC63508 and associated content.....	1
• Deleted INL from 1st <i>Features</i> bullet.....	1
• Added exceptions for "current into any pin" in the <i>Absolute Maximum Ratings</i>	4
• Updated footnotes in the <i>Electrical characteristics</i>	5
• Added 12-bit resolution in <i>Electrical Characteristics</i>	5
• Added INL data for 12-bit resolution in <i>Electrical Characteristics</i>	5
• Updated DAC codes in the test conditions for DC output impedance in the <i>Electrical Characteristics</i>	5
• Updated the reference input impedance value in the <i>Electrical Characteristics</i>	5
• Moved plots and updated section titles to better organize all <i>Typical Characteristics</i>	8
• Changed all plots to accommodate data for 12-bit resolution in all <i>Typical Characteristics</i>	8
• Added the resolution information to the header test conditions for all <i>Typical Characteristics</i>	8
• Updated plot test conditions for Figure 5-36, <i>Glitch Impulse, Rising Edge, 4-LSB Step</i> ; Figure 5-37, <i>Glitch Impulse, Falling Edge, 4-LSB Step</i> ; Figure 5-38, <i>Full-Scale Settling Time, Rising Edge</i> ; Figure 5-39, <i>Full-Scale Settling Time, Falling Edge</i> in <i>Typical Characteristics: Dynamic Performance</i>	14
• Changed "end of SPI frame" to "24th rising-edge of the clock" in <i>DAC Register Update and LDAC Functionality</i>	19
• Changed from 12.5 kΩ to 24 kΩ in <i>Reference</i>	20
• Changed 0x1010 to 1010b in <i>Software Reset</i>	20
• Updated sentence to specify global power down current more accurately in <i>Power-Down Mode</i>	21
• Updated BRDCAST_DATA and DACn_DATA bits from B11 till B0 in the <i>Register Map</i>	22
• Changed Command Bits to Register Address in the <i>Register Map</i> table header.....	22
• Changed 1010 to 1010b in the <i>STATUS_TRIGGER Register</i>	23
• Updated B11:B0 to accommodate 12-bit resolution in the <i>DACn_DATA Register</i>	24

The datasheet number will be changing.

Device Family	Change From:	Change To:
DACx3508	SLASF08	SLASF08A

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/DAC43508>

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 PCN:

None.

Product Affected:			
DAC43508RTER	DAC53508RTER	DAC53508RTET	

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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