

<b>PCN Number:</b>	20220331002.1	<b>PCN Date:</b>	April 04, 2022
<b>Title:</b>	Datasheet for MSP430FG43x		
<b>Customer Contact:</b>	<a href="#">Notification Manager</a>	<b>Dept:</b>	Quality Services
<b>Proposed 1<sup>st</sup> Ship Date:</b>	July 4, 2022		
<b>Change Type:</b>	Electrical Specification		

### PCN Details

#### Description of Change:

Texas Instruments Incorporated is announcing a change. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



**MSP430FG439, MSP430FG438, MSP430FG437**  
SLAS380F – APRIL 2004 – REVISED MARCH 2022

#### Changes from June 18, 2021 to March 31, 2022

**Page**

- Changed the  $t_{CONVERT}$  MIN value to 1.86  $\mu$ s and removed ADC12DIV from the formula for the TYP value (because ADC12CLK is after this division) in [Section 8.25 12-Bit ADC, Timing Parameters](#) ..... 30
- Changed the  $R_{i(VREF+)}$ ,  $R_{i(VeREF+)}$  reference input resistance MAX value to 150k $\Omega$  for *DAC12\_0 IR=1*, *DAC12\_1 IR=0* in [Section 8.31 12-Bit DAC, Reference Input Specifications](#) ..... 35
- Changed the  $R_{i(VREF+)}$ ,  $R_{i(VeREF+)}$  reference input resistance MAX value to 150k $\Omega$  for *DAC12\_0 IR=0*, *DAC12\_1 IR=1* in [Section 8.31 12-Bit DAC, Reference Input Specifications](#) ..... 35
- Changed the  $R_{i(VREF+)}$ ,  $R_{i(VeREF+)}$  reference input resistance MAX value to 75k $\Omega$  for *DAC12\_0 IR=DAC12\_1 IR=1* in [Section 8.31 12-Bit DAC, Reference Input Specifications](#) ..... 35
- Updated [Section 10.3, Support Resources](#) ..... 80

The datasheet number will be changing.

Device Family	Change From:	Change To:
MSP430FG43x	SLAS380E	SLAS380F

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/MSP430FG439>

#### Reason for Change:

To accurately reflect device characteristics.

#### Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. Electrical specification performance changes as indicated above.

#### Changes to product identification resulting from this notification:

None.

#### Product Affected:

MSP430FG437IPN	MSP430FG437IPNR	MSP430FG437IZCAR	MSP430FG437IZCAT
MSP430FG438IPN	MSP430FG438IPNR	MSP430FG438IZCAR	MSP430FG438IZCAT
MSP430FG439IPN	MSP430FG439IPNR	MSP430FG439IZCAR	MSP430FG439IZCAT
MSP430V156IPN	MSP430V248IPNR		

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>
WW Change Management Team	<a href="mailto:PCN_ww_admin_team@list.ti.com">PCN_ww_admin_team@list.ti.com</a>

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