

PCN Number:	20200206001	PCN Date:	Feb 18, 2020
Title:	Datasheet for MSP430FR4133, MSP430FR4132, MSP430FR4131		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<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.



MSP430FR4133, MSP430FR4132, MSP430FR4131

SLAS865E –OCTOBER 2014–REVISED DECEMBER 2019

Changes from January 22, 2019 to December 9, 2019

Page

- Changed the note that begins "Supply voltage changes faster than 0.2 V/μs can trigger a BOR reset..." in [Section 5.3, Recommended Operating Conditions](#) [15](#)
- Added the note that begins "TI recommends that power to the DVCC pin must not exceed the limits..." in [Section 5.3, Recommended Operating Conditions](#) [15](#)
- Changed the note that begins "A capacitor tolerance of ±20% or better is required..." in [Section 5.3, Recommended Operating Conditions](#) [15](#)
- Added the note "See [MSP430 32-kHz Crystal Oscillators](#) for details on crystal section, layout, and testing" to [Table 5-3, XT1 Crystal Oscillator \(Low Frequency\)](#) [23](#)
- Changed the note that begins "Requires external capacitors at both terminals..." in [Table 5-3, XT1 Crystal Oscillator \(Low Frequency\)](#) [23](#)
- Added the $t_{(int)}$ parameter in [Table 5-8, Digital Inputs](#) [26](#)
- Added the $t_{TA, cap}$ parameter in [Table 5-10, Timer_A](#) [27](#)
- Corrected the test conditions for the $R_{I, MUX}$ parameter in [Table 5-17, ADC, Power Supply and Input Range Conditions](#) [33](#)
- Added the note that begins " $t_{Sample} = \ln(2^{n+1}) \times \tau$..." in [Table 5-18, ADC, 10-Bit Timing Parameters](#)..... [33](#)

The datasheet number will be changing.

Device Family	Change From:	Change To:
MSP430FR4133, MSP430FR4132, MSP430FR4131	SLAS865D	SLAS865E

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/MSP430FR4131>

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:

MSP430FR4131IG48	MSP430FR4131IG48R	MSP430FR4131IG56	MSP430FR4131IG56R
MSP430FR4131IPMR	MSP430FR4132IG48	MSP430FR4132IG48R	MSP430FR4132IG56
MSP430FR4132IG56R	MSP430FR4132IPMR	MSP430FR4133IG48	MSP430FR4133IG48R
MSP430FR4133IG56	MSP430FR4133IG56R	MSP430FR4133IPM	MSP430FR4133IPMR

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