

PCN Number:	20170310001	PCN Date:	March 24, 2017
Title:	Datasheet for MSP430FR59xx and MSP430FR58xx		
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.



MSP430FR5969, MSP430FR59691, MSP430FR5968, MSP430FR5967
MSP430FR5959, MSP430FR5958, MSP430FR5957
MSP430FR5949, MSP430FR5948, MSP430FR5947, MSP430FR59471

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Changes from March 10, 2015 to March 9, 2017

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• Removed "at Rates up to 10 Mbps" from SPI features list item	1
• Added Section 3.1, Related Products	6
• Updated the requirements for the capacitor on the $\overline{\text{RST}}/\text{NMI}$ pin in Table 4-2, Connection of Unused Pins	16
• Added second row to t_{Sample} parameter in Table 5-23, 12-Bit ADC, Timing Parameters	45
• Removed ADC12DIV from the formula for the t_{CONVERT} TYP time, because ADC12CLK is after division.....	45
• Added " $R_S < 10 \text{ k}\Omega$ " to the note that starts "Approximately 10 Tau (τ) are needed..." on Table 5-23, 12-Bit ADC, Timing Parameters	45
• Changed the note that starts "Tools that access the Spy-Bi-Wire and BSL interfaces..."	52
• Changed Updated Section 6.3, Operating Modes , and its subsections.....	54
• Changed description in Section 6.4, Interrupt Vector Table and Signatures	57
• Added Figure 6-1	57
• Changed Table 6-4, Interrupt Sources, Flags, and Vectors : removed Reserved vectors and moved Signatures to Table 6-5	58
• Added Table 6-5, Signatures , and moved contents from Table 6-4	59
• Throughout document, changed "bootstrap loader" to "bootloader".....	60
• Corrected spelling of NMIIFG in Table 6-11, System Module Interrupt Vector Registers	66
• Added AESACTL1 register in Table 6-48, AES Accelerator Registers	83
• Corrected value in "x" column for PJ.7/HFXOUT row.....	109
• Changed the requirements for the capacitor on the $\overline{\text{RST}}/\text{NMI}$ pin in Section 7.1.4, Reset	118
• Replaced former section <i>Development Tools Support</i> with Section 8.3, Tools and Software	123
• Updated Section 8.4, Documentation Support	125



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The datasheet number will be changing.

Device Family	Change From:	Change To:
MSP430FR59xx	SLAS704E	SLAS704F
MSP430FR58xx	SLASE34C	SLASE34D

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/MSP430FR5969>

<http://www.ti.com/product/MSP430FR5869>

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:

MSP430FR58471IRHAR	MSP430FR5857IRHAT	MSP430FR59471IRHAR	MSP430FR5957IRHAT
MSP430FR58471IRHAT	MSP430FR5858IDA	MSP430FR59471IRHAT	MSP430FR5958IDA
MSP430FR5847IDA	MSP430FR5858IDAR	MSP430FR5947IDA	MSP430FR5958IDAR
MSP430FR5847IDAR	MSP430FR5858IRHAR	MSP430FR5947IDAR	MSP430FR5958IRHAR
MSP430FR5847IRHAR	MSP430FR5858IRHAT	MSP430FR5947IRHAR	MSP430FR5958IRHAT
MSP430FR5847IRHAT	MSP430FR5859IDA	MSP430FR5947IRHAT	MSP430FR5959IDA
MSP430FR5848IDA	MSP430FR5859IDAR	MSP430FR5948IDA	MSP430FR5959IDAR
MSP430FR5848IDAR	MSP430FR5859IRHAR	MSP430FR5948IDAR	MSP430FR5959IRHAR
MSP430FR5848IRHAR	MSP430FR5859IRHAT	MSP430FR5948IRHAR	MSP430FR5959IRHAT
MSP430FR5848IRHAT	MSP430FR58671IRGZR	MSP430FR5948IRHAT	MSP430FR5967IRGZR
MSP430FR5849IDA	MSP430FR58671IRGZT	MSP430FR5949IDA	MSP430FR5967IRGZT

MSP430FR5849IDAR	MSP430FR5867IRGZR	MSP430FR5949IDAR	MSP430FR5968IRGZR
MSP430FR5849IRHAR	MSP430FR5867IRGZT	MSP430FR5949IRHAR	MSP430FR5968IRGZT
MSP430FR5849IRHAT	MSP430FR5868IRGZR	MSP430FR5949IRHAT	MSP430FR59691IRGZR
MSP430FR5857IDA	MSP430FR5868IRGZT	MSP430FR5957IDA	MSP430FR59691IRGZT
MSP430FR5857IDAR	MSP430FR5869IRGZR	MSP430FR5957IDAR	MSP430FR5969IRGZR
MSP430FR5857IRHAR	MSP430FR5869IRGZT	MSP430FR5957IRHAR	MSP430FR5969IRGZT

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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