Notification Number: 20221130003.0 **Notification Date:** December 09, 2022 Title: Datasheet for TMS320F28003x **Customer Contact:** Notification Manager Dept: **Quality Services**

Change Type: Electrical Specification

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.



TMS320F280039C, TMS320F280039C-Q1, TMS320F280038C-Q1 TMS320F280037C, TMS320F280037C-Q1, TMS320F280037, TMS320F280034 SPRSP61B - OCTOBER 2021 - REVISED NOVEMBER 2022

•	This Revision History lists the changes from SPRSP61A to SPRSP61B.			
	Global: Changed document status from "PRODUCTION DATA" to "UNLESS OTHERWISE NOTED, this			
(document contains PRODUCTION DATA". Information on the TMS320F280039, TMS320F280039-Q1,			
-	TMS320F280038-Q1, TMS320F280037-Q1, TMS320F280036C-Q1, TMS320F280036-Q1,			
	TMS320F280034-Q1, and TMS320F280033 devices is Preview information (not Production Data)			
	Global: Information on TMS320F280037 and TMS320F280034 is now Production Data			
	Section 1, Features: Added "Functional Safety Compliant targeted" feature and "Safety-related certification"			
	feature. Added "HEV/EV battery-management system (BMS)" feature			
	Device Information table: Added "Preview information (not Production Data)" footnote			
	Table 4-1, Device Comparison: Added "Preview information (not Production Data)" footnote			
	Table 5-1, Pin Attributes: Updated table			
	Table 5-2, Analog Signals: Updated table			
	Table 5-3, Digital Signals: Updated table			
	Table 5-4, Power and Ground: Updated table			
	Table 5-5, Test, JTAG, and Reset: Updated table			
	Section 6, Specifications: Removed "Stresses beyond those listed under Absolute Maximum Ratings may			
	cause permanent damage to the device. These are stress ratings only and functional operation of the device			
	beyond the Recommended Operating Conditions is not implied. Exposure to absolute-maximum-rated			
	conditions for extended periods may affect device reliability. All voltage values are with respect to VSS,			
	unless otherwise noted" paragraph			
	Section 6.1, Absolute Maximum Ratings: Added "Operation outside the Absolute Maximum Ratings may			
	cause permanent device damage" footnote. Added "All voltage values are with respect to VSS, unless			
	otherwise noted" footnote			
	Section 6.4, Recommended Operating Conditions: Added "Device supply voltage, VDD"			
I	Power Management Module Operating Conditions table: Updated MAX value of "V _{DDIO} - V _{DD} Delay"			
	parameter			
	ADC Input Model section: Added reference to the ADC Input Circuit Evaluation for C2000 MCUs Application Report			
	Section 7.11.2, GPIO Assignments: Removed Secure LFU Flash Boot Options table			
-	Table 7-18, LFU Flash Boot Options: Changed FLASH ENTRY POINT (ADDRESS) of OPTION 3 Bank2 fro			
	Section 8, Applications, Implementation, and Layout: Added reference to Hardware Design Guide for F2800			
	C2000™ Real-Time MCU Series Application Note			

The datasheet number will be changing.

Device Family	Change From:	Change To:
TMS320F28003x	SPRSP61A	SPRSP61B

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/TMS320F280039C

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 notification:

None.

Ī	F280034SPM	F280034SPM	F280037CSPN	F280037SPM
	F280037SPMR	F280037SPN	F280037SPNR	F280038CPMQ1
	F280038CPMRQ1	F280039CPZQ1	F280039CPZRQ1	F280039CSPM
	F280039CSPN	F280039CSPZ		

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail	
WW Change Management Team	PCN www admin_team@list.ti.com	

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