PCN Number: 20210106000 **PCN Date:** Jan. 15, 2021 Datasheet for TMS320F280025, TMS320F280025-Q1 Title: TMS320F280025C, TMS320F280025C-Q1, TMS320F280023, TMS320F280023-Q1 TMS320F280023C, TMS320F280021, TMS320F280021-Q1 **Customer Contact:** PCN Manager Dept: **Quality Services**

Proposed 1st Ship Date: July 15, 2021

Change Type: Electrical Specification

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below.

Texas INSTRUMENTS

TMS320F280025, TMS320F280025-Q1 TM\$320F280025C, TM\$320F280025C-Q1, TM\$320F280023, TM\$320F280023-Q1 TMS320F280023C, TMS320F280021, TMS320F280021-Q1 SPRSP45B - MARCH 2020 - REVISED DECEMBER 2020

Changes from October 4, 2020 to December 31, 2020 (from Revision A (October 2020) to Revision B (December 2020))

- Global: Added TMS320F280025-Q1, TMS320F280025C-Q1, TMS320F280023-Q1, and TMS320F280021-Table 5-1 (Device Comparison): Added TMS320F280025-Q1, TMS320F280025C-Q1, TMS320F280023-Q1. and TMS320F280021-Q1. Updated table......1 Table 6-1 (Pin Attributes): Updated muxed signal names of A7. Updated DESCRIPTION of VDD: Changed Table 6-4 (Power and Ground): Updated DESCRIPTION of VDD: Changed recommended total capacitance Section 7.3 (ESD Ratings – Automotive): Updated device numbers. Added data for 64-pin PM package..... 49
- Table 7-5 (Flash Parameters): Changed "Nwec Write/Erase Cycles" to "Nwec Write/Erase Cycles per sector". Section 7.14.8 (Host Interface Controller (HIC)): Updated "The HIC module allows ..." paragraph.......149
- Section 10.4 (Tools and Software): Added LAUNCHXL-F280025C to Development Tools section.............. 182

The datasheet number will be changing.

Device Family	Change From:	Change To:
TMS320F280025, TMS320F280025-Q1,	SPRSP45A	SPRSP45B
TMS320F280025C, TMS320F280025C-Q1,		
TMS320F280023, TMS320F280023-Q1		
TMS320F280023C, TMS320F280021,		
TMS320F280021-Q1		

http://www.ti.com/product/TMS320F280025

Reason for Change:				
To accurately reflect device characteristics.				
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):				
Electrical specification performance changes as indicated above.				
Changes to product identification resulting from this PCN:				
None.				
Product Affected:				
F280021PTQR	F280023PMQR	F280023PNQR	F280023PTQR	
F280025CPMQR	F280025CPNQR	F280025CPTQR	F280025PMQR	
F280025PNOR	F280025PTOR	XF280024CPMO		

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