



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20200617000
Datasheet for TMS320F280x
Information Only**

Date: July 21, 2020
To: TOKYO ELECTRON DEVICE (DSTR) PCN

Dear Customer:

This is an information-only announcement of a change to the datasheet for a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the PCN team (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN Team
SC Business Services

Information Only Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
TMS320F28069PZT	null
TMS320F28062PZT	null
TMS320F28065PZT	null
TMS320F28069PZPS	null
TMS320F28069PNT	null
TMS320F28066PZPS	null
TMS320F28062PZPS	null
TMS320F28062PNT	null

Technical details of this Product Change follow on the next page(s).

Notification Number:	20200617000	Notification Date:	July 20, 2020
Title:	Datasheet for TMS320F280x		
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.



**TMS320F28069, TMS320F28069F, TMS320F28069M, TMS320F28068F, TMS320F28068M
TMS320F28067, TMS320F28066, TMS320F28065, TMS320F28064
TMS320F28063, TMS320F28062, TMS320F28062F**

SPRS698H – NOVEMBER 2010 – REVISED MARCH 2020

Changes from May 18, 2018 to March 19, 2020 (from G Revision (May 2018) to H Revision)

Page

• Global: Removed TMS320F28068.	1
• Global: Removed controlSUITE. Added C2000Ware.	1
• Global: Replaced "emulator" with "debug probe".	1
• Section 1.2 (Applications): Updated section.	2
• Section 1.3 (Description): Updated section.	2
• Table 3-1 (Device Comparison): Removed 28068.	7
• Table 4-1 (Signal Descriptions): Updated DESCRIPTION of XRS.	13
• Section 5.2 (ESD Ratings – Commercial): Added ANSI/ESDA/JEDEC JS-002 to charged-device model (CDM)	23
• Section 5.5.1 (Reducing Current Consumption): Updated list of methods for reducing power consumption.	27
• Section 6.1.7 (Flash): Added F28069F, F28069M, F28068F, F28068M, and F28062F device numbers. Removed F28068 device number.	44
• Table 6-2 (Peripheral Bootload Pins): Updated GPIO pin names for SDAA and SCLA.	46
• Section 6.1.22 (Serial Port Peripherals): Updated description of USB.	51
• Table 6-10 (Device Emulation Registers): Removed PARTID for TMS320F28068PZP/PZ and TMS320F28068PFP/PN. Removed CLASSID for TMS320F28068.	65
• Figure 6-15 (CPU Watchdog Module): Added SCSR(WDOVERRIDE).	77
• Table 6-35 (SPI Master Mode External Timing (Clock Phase = 0)): Updated MIN values of Parameter 23, $t_{d(SPC)M}$	105
• Table 6-36 (SPI Master Mode External Timing (Clock Phase = 1)): Updated MIN values of Parameter 23, $t_{d(SPC)M}$	106
• Figure 6-37 (Serial Communications Interface (SCI) Module Block Diagram): Updated figure.	111
• Section 7.1 (TI Reference Design): Changed section title from "TI Design or Reference Design" to "TI Reference Design". Updated section.	159
• Section 8 (Device and Documentation Support): Removed the "Getting Started" section. See the Applications section and the Related Links table.	160
• Section 8: Changed "Community Resources" section to "Support Resources" section. Updated section.	160
• Figure 8-1 (Device Nomenclature): Added footnotes about the TMS320F2806xU, TMS320F2806xM, and TMS320F2806xF devices.	161
• Figure 8-1: Removed 28068 from DEVICE group.	161
• Section 8.2 (Tools and Software): Updated section.	161
• Section 8.3 (Documentation Support): Updated section.	163
• Table 8-1 (Related Links): Updated table.	164

The datasheet number will be changing.

Device Family	Change From:	Change To:
TMS320F28069, TMS320F28069F, TMS320F28069M, TMS320F28068F, TMS320F28068M, TMS320F28067, TMS320F28066, TMS320F28065,	SPRS698G	SPRS698H

TMS320F28064,TMS320F28063,
TMS320F28062, TMS320F28062F

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TMS320F28069>

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.

Product Affected:

<table><tr><th>Orderable Device</th></tr><tr><td>TMS320F28062FPFPQ</td></tr><tr><td>TMS320F28062FPNT</td></tr><tr><td>TMS320F28062FPZT</td></tr><tr><td>TMS320F28062PFPQ</td></tr><tr><td>TMS320F28062PFPQR</td></tr><tr><td>TMS320F28062PFPS</td></tr><tr><td>TMS320F28062PNT</td></tr><tr><td>TMS320F28062PZPQ</td></tr><tr><td>TMS320F28062PZPS</td></tr><tr><td>TMS320F28062PZT</td></tr><tr><td>TMS320F28062UPNT</td></tr><tr><td>TMS320F28062UPZT</td></tr><tr><td>TMS320F28063PNT</td></tr><tr><td>TMS320F28063PZT</td></tr><tr><td>TMS320F28064PZT</td></tr><tr><td>TMS320F28065PFPS</td></tr><tr><td>TMS320F28065PNT</td></tr></table>	Orderable Device	TMS320F28062FPFPQ	TMS320F28062FPNT	TMS320F28062FPZT	TMS320F28062PFPQ	TMS320F28062PFPQR	TMS320F28062PFPS	TMS320F28062PNT	TMS320F28062PZPQ	TMS320F28062PZPS	TMS320F28062PZT	TMS320F28062UPNT	TMS320F28062UPZT	TMS320F28063PNT	TMS320F28063PZT	TMS320F28064PZT	TMS320F28065PFPS	TMS320F28065PNT	<table><tr><th>Orderable Device</th></tr><tr><td>TMS320F28065PZPQ</td></tr><tr><td>TMS320F28065PZPS</td></tr><tr><td>TMS320F28065PZT</td></tr><tr><td>TMS320F28065UPZPS</td></tr><tr><td>TMS320F28065UPZT</td></tr><tr><td>TMS320F28066PFPQ</td></tr><tr><td>TMS320F28066PFPS</td></tr><tr><td>TMS320F28066PNT</td></tr><tr><td>TMS320F28066PZPQ</td></tr><tr><td>TMS320F28066PZPS</td></tr><tr><td>TMS320F28066PZT</td></tr><tr><td>TMS320F28067PFPS</td></tr><tr><td>TMS320F28067PNT</td></tr><tr><td>TMS320F28067PZPQ</td></tr><tr><td>TMS320F28067PZPS</td></tr><tr><td>TMS320F28067PZT</td></tr><tr><td>TMS320F28068FPNT</td></tr><tr><td>TMS320F28068FPZT</td></tr></table>	Orderable Device	TMS320F28065PZPQ	TMS320F28065PZPS	TMS320F28065PZT	TMS320F28065UPZPS	TMS320F28065UPZT	TMS320F28066PFPQ	TMS320F28066PFPS	TMS320F28066PNT	TMS320F28066PZPQ	TMS320F28066PZPS	TMS320F28066PZT	TMS320F28067PFPS	TMS320F28067PNT	TMS320F28067PZPQ	TMS320F28067PZPS	TMS320F28067PZT	TMS320F28068FPNT	TMS320F28068FPZT	<table><tr><th>Orderable Device</th></tr><tr><td>TMS320F28068MPNT</td></tr><tr><td>TMS320F28068MPZT</td></tr><tr><td>TMS320F28069FPFPQ</td></tr><tr><td>TMS320F28069FPNT</td></tr><tr><td>TMS320F28069FPZPQ</td></tr><tr><td>TMS320F28069FPZT</td></tr><tr><td>TMS320F28069FPZTR</td></tr><tr><td>TMS320F28069MPFPQ</td></tr><tr><td>TMS320F28069MPNT</td></tr><tr><td>TMS320F28069MPZPQ</td></tr><tr><td>TMS320F28069MPZT</td></tr><tr><td>TMS320F28069PFPQ</td></tr><tr><td>TMS320F28069PFPS</td></tr><tr><td>TMS320F28069PNT</td></tr><tr><td>TMS320F28069PZA</td></tr><tr><td>TMS320F28069PZPQ</td></tr><tr><td>TMS320F28069PZPS</td></tr><tr><td>TMS320F28069PZT</td></tr></table>	Orderable Device	TMS320F28068MPNT	TMS320F28068MPZT	TMS320F28069FPFPQ	TMS320F28069FPNT	TMS320F28069FPZPQ	TMS320F28069FPZT	TMS320F28069FPZTR	TMS320F28069MPFPQ	TMS320F28069MPNT	TMS320F28069MPZPQ	TMS320F28069MPZT	TMS320F28069PFPQ	TMS320F28069PFPS	TMS320F28069PNT	TMS320F28069PZA	TMS320F28069PZPQ	TMS320F28069PZPS	TMS320F28069PZT	<table><tr><th>Orderable Device</th></tr><tr><td>TMS320F28069UPFPS</td></tr><tr><td>TMS320F28069UPNT</td></tr><tr><td>TMS320F28069UPZPS</td></tr><tr><td>TMS320F28069UPZT</td></tr></table>	Orderable Device	TMS320F28069UPFPS	TMS320F28069UPNT	TMS320F28069UPZPS	TMS320F28069UPZT
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