



**12500 TI Boulevard, MS 8640, Dallas, Texas 75243**

**Notification# 20200825001  
Datasheet for TMS320F2802x  
Information Only**

**Date:** August 31, 2020

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 Change Management team ([PCN\\_ww\\_admin\\_team@list.ti.com](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

Change Management 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 sixty (60) months. The corresponding customer part number is also listed, if available.

| DEVICE          | CUSTOMER PART NUMBER |
|-----------------|----------------------|
| TMS320F28022PTT | 41010232             |
| TMS320F28022PTS | 41010295             |
| TMS320F28022PTS | 99053XMJ             |
| TMS320F28022PTQ | 99054TXP             |

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

|                             |                                                                                                                                               |                           |                  |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------|
| <b>Notification Number:</b> | 20200825001                                                                                                                                   | <b>Notification Date:</b> | Aug. 31, 2020    |
| <b>Title:</b>               | Datasheet for TMS320F28027, TMS320F28027F, TMS320F28026, TMS320F28026F, TMS320F28023, TMS320F28022, TMS320F28021, TMS320F28020, TMS320F280200 |                           |                  |
| <b>Customer Contact:</b>    | <a href="#">Notification Manager</a>                                                                                                          | <b>Dept:</b>              | Quality Services |

## 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.



**TMS320F28027, TMS320F28027F, TMS320F28026, TMS320F28026F, TMS320F28023  
TMS320F28022, TMS320F28021, TMS320F28020, TMS320F280200**

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| Changes from January 8, 2019 to June 24, 2020 (from M Revision (January 2019) to N Revision)                                                                                 | Page                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| • Global: Changed "emulator" to "JTAG debug probe".                                                                                                                          | <a href="#">1</a>   |
| • Section 1.2 (Applications): Updated section.                                                                                                                               | <a href="#">1</a>   |
| • Section 5.1 (Absolute Maximum Ratings): Changed "Input clamp current" condition from "Digital input (per pin), ..." to "Digital/analog input (per pin), ...".              | <a href="#">16</a>  |
| • Section 5.1: Updated footnote about continuous clamp current.                                                                                                              | <a href="#">16</a>  |
| • Section 5.1: Updated "Long-term high-temperature storage ..." footnote.                                                                                                    | <a href="#">16</a>  |
| • Section 5.3 (ESD Ratings – Commercial): Added "ANSI/ESDA/JEDEC JS-002" to Charged-device model (CDM)...                                                                    | <a href="#">17</a>  |
| • Section 5.5.1 (Reducing Current Consumption): Updated list of methods for reducing power consumption.                                                                      | <a href="#">21</a>  |
| • Figure 6-12 (CPU Watchdog Module): Added SCSR(WDOVERRIDE).                                                                                                                 | <a href="#">64</a>  |
| • Table 6-33 (SPI Master Mode External Timing (Clock Phase = 0)): Updated MIN values of Parameter 23, $t_{d(SPC)M}$ .                                                        | <a href="#">90</a>  |
| • Table 6-34 (SPI Master Mode External Timing (Clock Phase = 1)): Updated MIN values of Parameter 23, $t_{d(SPC)M}$ .                                                        | <a href="#">91</a>  |
| • Figure 6-33 (Serial Communications Interface (SCI) Module Block Diagram): Updated figure.                                                                                  | <a href="#">97</a>  |
| • Section 7.1 (TI Reference Design): Changed section title from "TI Design or Reference Design" to "TI Reference Design". Updated section.                                   | <a href="#">123</a> |
| • Section 8 (Device and Documentation Support): Removed "Getting Started" section. See the <a href="#">Applications</a> section and the <a href="#">Related Links</a> table. | <a href="#">124</a> |
| • Section 8: Changed "Community Resources" section to "Support Resources" section. Updated section.                                                                          | <a href="#">124</a> |
| • Section 8.2 (Tools and Software): Updated section.                                                                                                                         | <a href="#">125</a> |
| • Section 8.3 (Documentation Support): Updated section.                                                                                                                      | <a href="#">127</a> |
| • Section 8.4 (Related Links): Updated section.                                                                                                                              | <a href="#">128</a> |

The datasheet number will be changing.

| Device Family                                                                                                                               | Change From: | Change To: |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|
| TMS320F28027, TMS320F28027F,<br>TMS320F28026, TMS320F28026F,<br>TMS320F28023, TMS320F28022,<br>TMS320F28021, TMS320F28020,<br>TMS320F280200 | SPRS523M     | SPRS523N   |

### 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:

See page 2

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                                                                             |
|---------------------------|------------------------------------------------------------------------------------|
| USA                       | <a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a> |
| Europe                    | <a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>     |
| Asia Pacific              | <a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>         |
| WW Change Management Team | <a href="mailto:PCN_ww_admin_team@list.ti.com">PCN_ww_admin_team@list.ti.com</a>   |

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