

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

# Notification# 20190626005.0 Datasheet for TMS320F2810, TMS320F2811, TMS320F2812

## **Information Only**

**Date:** July 22, 2019

To: PREMIER FARNELL 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 Manager (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	<b>CUSTOMER PART NUMBER</b>
TMS320F2812GHHS	null
TMS320F2810PBKA	null
TMS320F2811PBKA	null
TMS320F2812PGFA	null
TMS320F2812PGFQ	null
TMS320F2812GHHA	null
TMS320F2812PGFS	null

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

PCN Number: 20		2019	20190626005.0		<b>PCN Date:</b>		July 22, 2019		9		
Title	<b>Title:</b> Datasheet for TMS320F2810, TMS320F2811, TMS320F2812										
Customer Contact: PCN Manag			anager			Dept:		Quality Services			
Change Type:											
	Asser	mbly Site				Design				Wafer	Bump Site
Assembly Process			□ Data Sheet			Wafer	Bump Material				
	Asser	mbly Material	S			Part numb	per change			Wafer	Bump Process
Mechanical Specification			Test Site				Wafer	Fab Site			
Packing/Shipping/Labeling			ng Test Process				Wafer	Fab Materials			
								Wafer	Fab Process		
	Notification Details										
Des	Description of Change:										
Texa	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.											
TEXAS INSTRUMENTS				TMS320F2810, TMS320F2811, TMS320F2812 SPRS174U – APRIL 2001 – REVISED JULY 2019							

•			nended Operating Conditions (Ui				
	Noted)—AC Specifications): Changed table title from "AC Specifications" to "ADC Electrical Characteristics Over						
	Recommended Operating Conditions (Unless Otherwise Noted)—AC Specifications"						
•	<ul> <li>Table 5-42 (ADC Electrical Characteristics Over Recommended Operating Conditions (Unless Otherwise</li> </ul>						
			C Specifications" to "ADC Electric				
			rwise Noted)—DC Specifications				
•	Table 5-42: Removed C28	31x data	iromonto (CLIVOTO – 40b. CLIVV		1		
•			irements (CLKSTP = 10b, CLKX				
	footnotes. 80  Table 5-50 (McBSP as SPI Master or Slave Switching Characteristics (CLKSTP = 10b, CLKXP = 0)): Updated footnote. 80						
•	Table 5-51 (McBSP as SF	PI Master or Slave Timing Requ	irements (CLKSTP = 11b, CLKX	(P = 0)): Updated			
•	Table 5-52 (McBSP as SF	PI Master or Slave Switching Ch	naracteristics (CLKSTP = 11b, C	LKXP = 0)): Updated			
•	footnote. 81 Table 5-53 (McBSP as SPI Master or Slave Timing Requirements (CLKSTP = 10b, CLKXP = 1)): Updated						
•	footnotes						
٠	Table 5-55 (McBSP as SF	PI Master or Slave Timing Requ	irements (CLKSTP = 11b, CLKX	(P = 1)): Updated			
٠	footnotes						
•	Table 5-61 (Flash Parame	ters at 150-MHz SYSCLKOUT	): Updated "Typical parameters a	as seen at room			
	Table 5-63 (Flash Data Re	etention Duration): Added table		8	7		
•			om "Functional Overview" to "De				
•			tion of eCAN		4		
•	Section 6.2.3 (Enhanced Analog-to-Digital Converter (ADC) Module): Updated equations by which the digital						
	value of the input analog voltage is derived						
:	Section 6.2.4 (Enhanced Controller Area Network (eCAN) Module): Updated feature about CAN 2.0B						
•	Section 6.2.7 (Serial Peripheral Interface (SPI) Module): Updated "Rising edge with phase delay" clocking scheme.  120						
			ded section				
			d title from "Development Suppo				
	Documentation Support".			<u>14</u>	8		
•	Section 8.1 (Getting Starte	ed): Updated section		<u>14</u>	8		
•	Figure 8-1 (TMS320F281)	( Device Nomenclature): Updat	ed description of Q temperature	range <u>14</u>	9		
•							
•							
•			ation): Deplement Wheelperical De		2		
•			ation): Replaced "Mechanical Dation.	15	2		
	iviectianical, Packaging, a	and Orderable information sec	uon.	<u></u>	3		
The c	latasheet number wil	l be changing.					
Do	vice Family		Change From:	Change To:			
De	vice railing						
TM	S320F2810, TMS320	F2811, TMS320F2812	SPRS174T	SPRS174U			
These changes may be reviewed at the datasheet links provided. <a href="http://www.ti.com/product/TMS320F2810">http://www.ti.com/product/TMS320F2810</a>							
	son for Change:						
To a	ccurately reflect devi	ca characteristics					
	couracory remote devi	ce characteristics.					
	couractly remote devi	ce characteristics.					
	- Contact (Contact Contact Con	ce characteristics.					
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TMS320F2810PBKQ	TMS320F2811PBKS	TMS320F2812PGFA	TMS320F2812ZHHA
TMS320F2810PBKQR	TMS320F2812GHHA	TMS320F2812PGFAG4	TMS320F2812ZHHAR
TMS320F2810PBKS	TMS320F2812GHHAR	TMS320F2812PGFQ	TMS320F2812ZHHS
TMS320F2811PBKA	TMS320F2812GHHQ		

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	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com

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