PCN Number:		20190626005.0		PCN Date:		July 22, 2019					
Title: Datasheet for			TMS320F2810, TMS320F2811, TMS320F2812								
Customer Contact:			PCN	PCN Manager					De	pt:	Quality Services
Cha	nge 1	Гуре:									
Assembly Site			Design			Wafer Bump Site					
Assembly Process			□ Data Sheet			Wafer	Bump Material				
Assembly Materials				Part number change			Wafer	Bump Process			
Mechanical Specification				Test Site				Wafer	Fab Site		
Packing/Shipping/Labeling			ng	g 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	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"						
•	 Table 5-42 (ADC Electrical Characteristics Over Recommended Operating Conditions (Unless Otherwise 						
	Noted)—DC Specifications): Changed table title from "DC Specifications" to "ADC Electrical Characteristics Over Recommended Operating Conditions (Unless Otherwise Noted)—DC Specifications"						
•	Table 5-42: Removed C28	31x data	iromente (CLIVOTO – 40b. CLIVV		1		
•			irements (CLKSTP = 10b, CLKX				
	Table 5-50 (McBSP as SPI Master or Slave Switching Characteristics (CLKSTP = 10b, CLKXP = 0)): Updated						
•	footnote. 8 Table 5-51 (McBSP as SPI Master or Slave Timing Requirements (CLKSTP = 11b, CLKXP = 0)): Updated footnotes. 8						
•	Table 5-52 (McBSP as SPI Master or Slave Switching Characteristics (CLKSTP = 11b, CLKXP = 0)): Updated						
•	• 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 Parameters at 150-MHz SYSCLKOUT): Updated "Typical parameters as seen at room temperature" footnote. 86						
	Table 5-63 (Flash Data Re	etention Duration): Added table		8	7		
•	• Section 6 (Detailed Description): Changed section title from "Functional Overview" to "Detailed Description"						
•			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						
	Figure 6-22 (Watchdog Module): Updated figure						
			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. http://www.ti.com/product/TMS320F2810							
	Reason 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		

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