

12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Date: August 07, 2019

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 www 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
TMS320F28335PGFA	null
TMS320F28234PGFA	null
TMS320F28334PGFA	null
TMS320F28335ZHHA	null

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

PCN Number: 20190715001.0 PCN Date: Aug. 7, 2019					
Title: Datasheet for TMS320F28335, TMS320F28334, TMS320F28333, TMS320F28332 TMS320F28235, TMS320F28234, TMS320F28232					
Customer Contact: PCN Manager		ept:	Quality Services		
Change Type:		_			
Assembly Site	Design	Wafe	r Bump Site		
Assembly Process	Data Sheet	Wafe	r Bump Material		
	Part number change		r Bump Process		
	Test Site	_	r Fab Site		
Packing/Shipping/Labeling	Test Process		Wafer Fab Materials		
No	 tification Details	Wafe	r Fab Process		
Description of Change:	uncation Details				
Texas Instruments Incorporated is anno	uncing an information only	notificati	ion		
The product datasheet(s) is being updat The following change history provides fu	ed as summarized below.	notineat	on.		
TEXAS TMS320F28335, TMS320F28334, TMS320F28333, TMS320F28332 TMS320F28235, TMS320F28234, TMS320F28232 TMS320F28235, TMS320F28234, TMS320F28232 SPRS4390 – JUNE 2007 – REVISED APRIL 2019					
Changes from October 18, 2016 to April 22, 2019					
 Section 1.1 (Features): Updated "Package C Section 1.2 (Applications): Updated section. 					
 Section 1.3 (Description): Updated section 			3		
 Section 3.1 (Related Products): Updated sec 					
 Table 4-1 (Signal Descriptions): Updated DE Table 5-4 (Clocking and Nomenclature (150- 					
peripheral clock prescaler register" value					
Section 5.9.2.1 (Power Management and Su					
Section 5.9.4.5.1 (Master Mode Timing): Upo					
 Table 5-31 (SPI Master Mode External Timir BRR ODD) for Parameter 23, t_{d(SPC)M} 					
 Table 5-32 (SPI Master Mode External Timir 	ng (Clock Phase = 1)): Updated MIN v	alue (for bo	th BRR EVEN and		
	BRR ODD) for Parameter 23, t _{d(SPC)M}				
 Section 5.9.4.5.2 (Slave Mode Timing): Upda Section 5.9.6.2 (Synchronous Mode (USER) 					
 Section 5.9.6.2 (Synchronous Mode (USEREADY = 1, READYMODE = 0)): Updated "XTIMING register configuration restrictions" table by changing XRDACTIVE value from "≥ 1" to "≥ 2" and XWRACTIVE value from 					
"≥ 1" to "≥ 2"					
 Section 5.9.6.2 (Synchronous Mode (USEREADY = 1, READYMODE = 0)): Updated "Examples of valid and invalid timing" table by changing Valid XRDACTIVE value from "1" to "2" and Valid XWRACTIVE value from "1" 					
to "2"					
 Section 5.9.6.3 (Asynchronous Mode (USEREADY = 1, READYMODE = 1)): Updated "Examples of valid and 					
invalid timing" table (X2TIMING = 1 row) by changing Valid XRDACTIVE value from "1" to "2" and Valid					
XWRACTIVE value from "1" to "2". Table 5-61 (Flash Parameters at 150-MHz SYSCLKOUT): Added MAX Program Time values and MAX Erase					
Time values. Added footnote about program time. Added footnote about maximum flash parameter					
Section 6.2.7 (Analog-to-Digital Converter (ADC) Module): Updated equations by which the digital value of the					
input analog voltage is derived					
Table 6-32 (PIE Peripheral Interrupts): Added footnote about ADCINT					
Section 8.3 (Tools and Software): Updated section. 180					
Section 8.4 (Documentation Support): Updated section.					
Section 9.1 (Packaging Information): Added link to Packaging information website					
The datasheet number will be changing.					
Device Family	Change From:	Chang	ge To:		
TMS320F28x	SPRS439N	SPRS	4390		

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/TMS320F28335

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 PCN:

None.

Product Affected:

TMS320F28232PGFA	TMS320F28234ZJZA	TMS320F28235ZJZS	TMS320F28334ZJZS
TMS320F28232PTPQ	TMS320F28234ZJZQ	TMS320F28332PGFA	TMS320F28335PGFA
TMS320F28232PTPS	TMS320F28234ZJZS	TMS320F28332PTPS	TMS320F28335PTPQ
TMS320F28232ZHHA	TMS320F28235PGFA	TMS320F28333PGFA	TMS320F28335PTPS
TMS320F28232ZJZA	TMS320F28235PTPQ	TMS320F28334PGFA	TMS320F28335ZHHA
TMS320F28234PGFA	TMS320F28235PTPS	TMS320F28334PTPS	TMS320F28335ZJZA
TMS320F28234PTPQ	TMS320F28235ZJZA	TMS320F28334ZHHA	TMS320F28335ZJZQ
TMS320F28234PTPS	TMS320F28235ZJZQ	TMS320F28334ZJZA	TMS320F28335ZJZQR
TMS320F28234ZHHA	TMS320F28235ZJZQR	TMS320F28334ZJZQ	TMS320F28335ZJZS

For questions regarding this notice, e-mails can be sent to the 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
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