PCN Number:		20170921003			PCN Date:	S	September 25, 2017			
Title	Title: Datasheet for DAC38RF80, DAC38RF83, DAC38RF84, DAC38RF85, DAC38RF90, DAC38RF93					DAC38RF90,				
Customer Contact: PCN Manag			<u>jer</u>			Dept:		Quality Services		
Change Type:										
Assembly Site				Design					Wafer	Bump Site
Assembly Process			\boxtimes	Data Shee	et			Wafer Bump Material		
Assembly Materials			Part numb	er change			Wafer	Bump Process		
Mechanical Specification				Test Site				Wafer	Fab Site	
Packing/Shipping/Labeling				Test Proce	ess			Wafer	Fab Materials	
	☐ 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.



DAC38RF80, DAC38RF83, DAC38RF84 DAC38RF85, DAC38RF90, DAC38RF93

SLASEA3C - DECEMBER 2016-REVISED JULY 2017

Changes from Revision B (April 2017) to Revision C Changed From; alarm out pol To; alm out pol in ALARM pin description in the Pin Functions - DAC38RF83. Changed the Description of pins A3, A4, A7, A6, A9, A10, A12, E12, F11, F7, G6, H5, H7, J6, J11 in the Pin Functions - DAC38RF83, DAC38RF93, DAC38RF85 table 8 Changed From: alarm out pol To: alm out pol in ALARM pin description in the Pin Functions - DAC38RF80, Changed the Description of pins A3, A4, A7, A6, A9, A10, A12, D8, E8, F11, F7, G6, H5, H7, J6, J11 in the Pin Functions - DAC38RF80, DAC38RF90, DAC38RF84 table 11 Changed the Isolation values in the TEST CONDITIONS, MIN, and MAX columns in the Electrical Characteristics -

• (Changed x To: √ in the JESD204B Formats for DAC38RFxx talbe				
• (Changed JESD204B frame format for LMFSHd=84		. 45		
	Changed JESD204B frame format for LMFSHd=44				
• (Changed JESD204B frame format for LMFSHd=24410 in Table 16				
• (Changed JESD204B frame format for LMFSHd=44	4210 in Table 17		. 46	
• (Changed JESD204B frame format for LMFSHd=88	8210 in Table 18		. 46	
• (Changed JESD204B frame format for LMFSHd=24410 in Table 19				
• (Changed JESD204B frame format for LMFSHd=48	8410 in Table 20		. 47	
	Changed JESD204B frame format for LMFSHd=24				
	Changed JESD204B frame format for LMFSHd=48				
• (Changed Table 33				
• (Changed register field programming values for LMFSHd=24410 and 24310 in Table 36				
• (Changed the bit positions of N_M1 register field From: 12-8 To: 4-0 in Table 37				
• (Changed the bit positions of N_M1' N_M1' (NPRIME_M1) register field From: 4-0 To: 12-8 in Table 37				
• [Deleted ISFIRCD_ENA and ISFIR_AB regsiter fields. Added ISFIR_ENA register field in Inverse Sinc Filter67				
• (Changed the description of DAC PLL alarm in Alarm Monitoring				
• (Changed from BIST_ENA to Reserved in Table 56				
• (Changed from BIST_ZERO to Reserved in Table 56				
• (Changed the description of OUTSUM_SEL field in Table 64				
• (Changed From: "dummy data generation" To: "distortion enhancement" in Table 111				
	Changed the junction temp and loop filter voltage range for PLL tuning in Figure 167 141				
The	The datasheet number will be changing.				
	Device Family Change From: Change To:				
D/	AC38RF83 DAC38RF93	SLASEA3B	SLASEA3C		

Device Family	Change From:	Change To:
DAC38RF83 DAC38RF93	SLASEA3B	SLASEA3C

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/DAC38RF83

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:

DAC38RF80IAAV	DAC38RF80IAAVR	DAC38RF83IAAV	DAC38RF83IAAVR	
DAC38RF84IAAV	DAC38RF84IAAVR	DAC38RF85IAAV	DAC38RF85IAAVR	
DAC38RF90IAAV	DAC38RF90IAAVR	DAC38RF93IAAV	DAC38RF93IAAVR	

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
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