

PCN Number:	20110114000C			PCN Date:	01/21/2010
Title:	ADC Specification Change to Stellaris Devices				
Customer Contact:	PCN Manager	Phone:	+1(214) 480-6037	Dept:	Quality Services
Proposed 1st Ship Date:	01/21/2011	Estimated Sample Availability:	Not Applicable		
Change Type:					
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Assembly Materials
<input type="checkbox"/>	Design	<input checked="" type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Mechanical Specification
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material	<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials	<input type="checkbox"/>	Wafer Fab Process
PCN Details					
Description of Change:					
Thorough characterization of the ADC module on Dust Devil devices indicates that not all of the currently published ADC specs can be met.					
Reason for Change:					
Not all currently published ADC specs are achievable					
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):					
Changes to LSB maximums may have some effect on your application.					
Changes to product identification resulting from this PCN:					
ADC specifications are being changed to the following to reflect recent testing and characterization:					
	Current Spec	New Spec			
Offset	1	+6			
INL	1	+/-3			
DNL	1	+/-2			
The offset error listed above is the conversion result with 0 V applied to the ADC input.					

Product Affected: All Dust Devil class Stellaris devices with ADC listed below.		
LM3S1607-IQR50-A0	LM3S3739-IQC50-A0	LM3S5762-IQR50-A0
LM3S1607-IQR50-A0T	LM3S3739-IQC50-A0T	LM3S5762-IQR50-A0T
LM3S1625-IQR50-A0	LM3S3748-IQC50-A0	
LM3S1625-IQR50-A0T	LM3S3748-IQC50-A0T	
LM3S1626-IQR50-A0	LM3S3749-IQC50-A0	
LM3S1626-IQR50-A0T	LM3S3749-IQC50-A0T	
LM3S1627-IQR50-A0	LM3S5632-IQR50-A0	
LM3S1627-IQR50-A0T	LM3S5632-IQR50-A0T	
LM3S1776-IQR50-A0	LM3S5652-IQR50-A0	
LM3S1776-IQR50-A0T	LM3S5652-IQR50-A0T	
LM3S2276-IQR50-A0	LM3S5662-IQR50-A0	
LM3S2276-IQR50-A0T	LM3S5662-IQR50-A0T	
LM3S2616-IQR50-A0	LM3S5732-IQR50-A0	
LM3S2616-IQR50-A0T	LM3S5732-IQR50-A0T	
LM3S2671-IQR50-A0	LM3S5737-IQC50-A0	
LM3S2671-IQR50-A0T	LM3S5737-IQC50-A0T	
LM3S2678-IQR50-A0	LM3S5739-IQC50-A0	
LM3S2678-IQR50-A0T	LM3S5739-IQC50-A0T	
LM3S2776-IQR50-A0	LM3S5747-IQC50-A0	
LM3S2776-IQR50-A0T	LM3S5747-IQC50-A0T	
LM3S3634-IQR50-A0	LM3S5749-IQC50-A0	
LM3S3634-IQR50-A0T	LM3S5749-IQC50-A0T	
LM3S3651-IQR50-A0	LM3S5752-IQR50-A0	
LM3S3651-IQR50-A0T	LM3S5752-IQR50-A0T	

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