



PCN# : P57QAAB
 Issue Date : Aug. 10, 2015

Information Only Notification

This is to inform you that a change is being made to the following products.

This is a minor change that has no impact on product quality, reliability, electrical or mechanical performance. Affected products will remain fully compliant to all published specifications. Notification is being made for informational purposes only and there is no approval required. Products incorporating this change may be shipped interchangeably with existing unchanged products on or after the issue date of this notification.

Please contact your local Customer Quality Engineer if you have any questions regarding this notification.

Implementation of change:

Description of Change (From) :

- 1) Page 2, Ordering Information table: VIN max for FAN53601AUC10X = 4.5V.
- 2) Page 3, Thermal properties: 1s2p board and Theta JA= 150C/W
- 3) Page 4, Electrical Characteristics Table, (see image below)
 Vo, Output voltage accuracy min and max limits for all voltages from 1.000V to 2.050V.
- 4) Page 9, Figure 23 conditions contained redundant wording in figure caption
- 5) Page 9, Figure 27 wording is referenced twice in caption
- 6) Page 11, Operation Description, Enable and Soft Start section:
 - a. first sentence states "IC draws ~50nA of current..."
 - b. third sentence states " from 0 to 1 Vout..."

Regulation							
Vo	Output Voltage Accuracy	1.000 V	I _{LOAD} = 0 to 600 mA	0.970	1.000	1.034	V
			PWM Mode	0.970	1.000	1.025	
		1.35 V	I _{LOAD} = 0 to 1 A	1.309	1.350	1.392	
			PWM mode	1.309	1.350	1.383	
		1.233 V	I _{LOAD} = 0 to 1 A	1.207	1.233	1.272	
			PWM Mode	1.207	1.233	1.259	
		1.820 V	I _{LOAD} = 0 to 600 mA	1.784	1.820	1.875	
			PWM Mode	1.784	1.820	1.856	
		1.100 V	I _{LOAD} = 0 to 1 A	1.075	1.100	1.136	
			PWM Mode	1.075	1.100	1.125	
		1.300 V	I _{LOAD} = 0 to 1 A	1.273	1.300	1.342	
			PWM Mode	1.273	1.300	1.327	
		1.150 V	I _{LOAD} = 0 to 1 A	1.104	1.150	1.196	
			PWM Mode	1.110	1.150	1.190	
		1.050 V	I _{LOAD} = 0 to 600 mA	1.003	1.050	1.097	
			PWM Mode	1.016	1.050	1.084	
		2.050 V	I _{LOAD} = 0 to 1 A	1.979	2.050	2.121	
			PWM Mode	2.004	2.050	2.096	

Description of Change (To) :

- 1)Page 2, Ordering Information table : VIN max for FAN53601AUC10X = 5.5V
- 2)Page 3, Thermal properties: 2s2p board and Theta JA= 125C/W
- 4)Page 4, Electrical Characteristics Table (see image below)
 Vo, Output voltage accuracy min and max limits updated for all voltages from 1.0V to 2.05V.
- 5)Page 9, Figure 23 conditions update to remove redundant items in Figure caption
- 6)Page 9, Figure 27 only listed once. Removed the redundant reference in caption.
- 7)Page 11, Operation Description, Enable and Soft Start section:
 - a. first sentence to state: "IC draws ~250nA of current..."
 - b. third sentence to state: "from Vout = 0V to 1V..."
- 8) Adding two Products: FAN53611AUC205X and FAN53611AUC123X

Regulation							
Vo	Output Voltage Accuracy	1.000 V	I _{LOAD} = 0 to 600 mA	0.953	1.000	1.048	V
			PWMMode	0.967	1.000	1.034	
		1.35 V	I _{LOAD} = 0 to 1 A	1.297	1.350	1.403	
			PWMmode	1.309	1.350	1.391	
		1.233 V	I _{LOAD} = 0 to 1 A	1.184	1.233	1.282	
			PWMMode	1.192	1.233	1.274	
		1.820 V	I _{LOAD} = 0 to 600 mA	1.755	1.820	1.885	
			PWMMode	1.781	1.820	1.859	
		1.100 V	I _{LOAD} = 0 to 1 A	1.054	1.100	1.147	
			PWMMode	1.061	1.100	1.140	
		1.300 V	I _{LOAD} = 0 to 1 A	1.249	1.300	1.351	
			PWMMode	1.259	1.300	1.341	
		1.150 V	I _{LOAD} = 0 to 1 A	1.104	1.150	1.196	
			PWMMode	1.110	1.150	1.190	
		1.050 V	I _{LOAD} = 0 to 600 mA	1.003	1.050	1.097	
			PWMMode	1.016	1.050	1.084	
2.050 V	I _{LOAD} = 0 to 1 A, V _{IN} = 2.7 V to 5.5 V	1.973	2.050	2.127			
	PWMMode, V _{IN} = 2.7 V to 5.5 V	2.004	2.050	2.096			

Reason for Change:

This is a datasheet change only:

After reviewing the datasheet and current data, VIN max of FAN53601AUC10X, Thermal properties of Theta-JA, and Output voltage min and max specifications were updated.

Affected Product(s): Please refer to the list of affected products in the addendum attached in the PCN email you received. This list is based on an analysis of your companys procurement history.

Appendix A: Changed Products

DIGI-KEY: DIGI-KEY

PCN Number : P57QAAB

Customer Name : DIGI-KEY

Product	Customer Part Number	BBB	Drawing
FAN53601UC182X		Y	N
FAN53611AUC115X		Y	N
FAN53611AUC11X		Y	N
FAN53611AUC135X		Y	N
FAN53611UC123X		Y	N