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PCN# : P253A
Issue Date : May. 15, 2012

DESIGN/PROCESS CHANGE NOTIFICATION

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

Unless otherwise indicated in the details of this notification, the identified change will have no impact on product quality, reliability, electrical, visual or mechanical performance and affected products will remain fully compliant to all published specifications. Products incorporating this change may be shipped interchangeably with existing unchanged products.

This change is planned to take effect in 90 calendar days from the date of this notification. Please work with your local Fairchild Sales Representative to manage your inventory of unchanged product if your evaluation of this change will require more than 90 calendar days.

Please contact your local Customer Quality Engineer within 30 days of receipt of this notification if you require any additional data or samples. Alternatively, you may send an email request for data, samples or other information to PCNSupport@fairchildsemi.com.

Implementation of change:

Expected First Shipment Date for Changed Product : Aug. 13, 2012

Expected First Date Code of Changed Product :1223

Description of Change (From) :
Datasheet electrical values of IDD (Supply Current) of 0.70 mA (typical) and 0.95 mA (maximum).

Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
Supply						
V_{DD}	Operating Range		4.5		18.0	V
I_{DD}	Supply Current, Inputs / EN Not Connected	All except FAN3225C		0.70	0.95	mA
		FAN3225C[8]		0.21	0.35	mA

Description of Change (To) :
Datasheet electrical values of IDD (Supply Current) of 0.80 mA (typical) and 1.10 mA (maximum).

Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
Supply						
V_{DD}	Operating Range		4.5		18.0	V
I_{DD}	Supply Current, Inputs / EN Not Connected	FAN3223T		0.80	1.10	mA
		FAN3223C, FAN3224C, FAN3224T, FAN3225T		0.70	0.95	mA
		FAN3225C[8]		0.21	0.35	mA

Reason for Change:
To better align the FAN3223T IDD datasheet limits with the actual product performance based on design differences between FAN3223T and the other products in the family (FAN3223C, FAN3224C, FAN3224T, and FAN3225T). No IC re-design has been done. This is the same IC version as the current production IC.

Affected Product(s):

FAN3223TMPX	FAN3223TMX	

Qualification Plan	Device	Package	Process	No. of Lots
Q20070106A	FAN3225C	SO-8	FS35	3

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260°C, 3 cycles	JESD22-A113		0 / 828
Bond Pull		JESD22-C100		0 / 15
Bond Shear		AEC-Q100-001		0 / 15
Die Shear		MIL-STD-883-2019		0 / 15
High Temperature Op Life Test	125°C	JESD22-A108	1000 hrs	0 / 228
Highly Accelerated Stress Test	130°C, 85% RH	JESD22-A110	96 hrs	0 / 135
Temp Cycle (Temperature Cycle)	-60°C, 150°C	JESD22-A104	1000 hrs	0 / 77