

Date Created : 2009/09/18  
 Date Issued On : 2009/10/05  
 PCN# : Q3093804

DESIGN/PROCESS CHANGE NOTIFICATION -- FINAL

This is to inform you that a design and/or process change will be made to the following product(s). This notification is for your information and concurrence.

If you require data or samples to qualify this change, please contact **Fairchild Semiconductor within 30 days of receipt of this notification.**

Updated process quality documentation, such as FMEAs and Control Plans, are available for viewing upon request.

If you have any questions concerning this change, please contact:

Technical Contact:  
 Name: Rankins, Mike  
 E-mail: Mike.Rankins@notes.fairchildsemi.com  
 Phone: 719-528-2213

PCN Originator:  
 Name: Rankins, Mike  
 E-mail: Mike.Rankins@notes.fairchildsemi.com  
 Phone: 719-528-2213

Implementation of change:  
 Expected 1st Device Shipment Date: 2010/01/18

Earliest Year/Work Week of Changed Product: 1004

Change Type Description: Data Book Specifications

Description of Change (From): Over-Voltage Threshold Detect: Min 5.8V Typ 6.0V Max 6.2V

Description of Change (To): Over-Voltage Threshold Detect: Min 5.8V Typ 6.2V Max 6.5V

Reason for Change : Alignment of datasheet parameter with actual product performance.

Qual/REL Plan Numbers : Q20080016

Qualification :

Passed

**Results/Discussion for Qual Plan Number Q20080016**

Test: (Highly Accelerated Stress Test)   Conditions: 85%RH, 130C, 5V   Standard: JESD22-A110					
Lot	Device	96-HOURS	Failure Code		
Q20080016AAHAST1	FAN3989MLP8X	0/45			
Test: (Precondition)   Conditions:   Standard: JESD22-A113					
Lot	Device	Results	Failure Code		
Q20080016AAPCNL1A	FAN3989MLP8X	0/199			
Test: (Static Op Life)   Conditions: 125C, 5V   Standard: JESD22-A108					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20080016AASOPL1	FAN3989MLP8X	0/77			
			0/77		
				0/77	

Test: (Temperature Cycle)   Conditions: -65C, 150C   Standard: JESD22-A104				
Lot	Device	100-CYCLES	500-CYCLES	Failure Code
Q20080016AATMCL1	FAN3989MLP8X	0/77		
Q20080016AATMCL1	FAN3989MLP8X		0/77	

Product Id Description : USB/Charger Detection Device with Load Switch

Affected FSIDs :

FAN3989MLP8X		
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