

Date Created : 2009/02/19  
Date Issued On : 2009/07/15  
PCN# : Q1090803

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:

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Implementation of change:  
Expected 1st Device Shipment Date: 2009/10/13

Earliest Year/Work Week of Changed Product: 0942

Change Type Description: Manufacturing Location, Wafer Diameter

Description of Change (From): Selected Intellimax products currently manufactured using the 6-inch line at Fairchild Semiconductor, South Portland, Maine. The affected products currently have their bumping done at Unitive Electronics Inc., North Carolina and are manufactured with backmetal at Fairchild Semiconductor in Cebu, Philippines.

Description of Change (To): Selected Intellimax products will also be manufactured using the 8-inch line at Fairchild Semiconductor, South Portland, Maine. The affected devices will have their bumping done at Amkor Technology, Inc., Korea or at Fairchild Semiconductor, South Portland, Maine, and manufacturing will be done with no backmetal at Fairchild Semiconductor in Penang, Malaysia.

Reason for Change : Qualification of Fairchild Semiconductor's 8-inch line wafer fabrication, and additional bumping and manufacturing location.

Qual/REL Plan Numbers : Q20080375

Qualification :

The form, fit, and function will not be affected by this change. The affected products will remain at the highest standards.

**Results/Discussion for Qual Plan Number Q20080375**

Test: (Charged Device Model ESD)   Conditions: 1000V   Standard: JESD22-C101			
Lot	Device	Results	Failure Code

Q20080375AACDM	FPF2193	0/3	
Test: (Dynamic Op Life)   Conditions: 125C, 5V   Standard: JESD22-A108			
Lot	Device	168-HOURS	Failure Code
Q20080375AADOPL	FPF2193	0/77	
Test: (Human Body Model ESD)   Conditions: 2000V   Standard: JESD22-A114			
Lot	Device	Results	Failure Code
Q20080375AAHBM	FPF2193	0/3	
Test: (Latch-Up)   Conditions: .1amps   Standard: JESD 78			
Lot	Device	Results	Failure Code
Q20080375AALU	FPF2193	0/3	

Product Id Description : Fairchild Semiconductor's selected Intellimax devices currently manufactured using the 6-inch line at Fairchild Semiconductor, South Portland, Maine. Please refer to the affected FSIDs section.

**Affected FSIDs :**

FPF2193	FPF2194	FPF2195
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