

**PCN# : P2A1A**  
**Issue Date : Oct. 24, 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 : Jan. 22, 2013

Expected First Date Code of Changed Product :1244

Description of Change (From) :  
Products are classified at Moisture Sensitivity Level 1 @ 250degC.

Description of Change (To) :  
Re-classification of Moisture Sensitivity Level to Level 3 @ 250degC.

Reason for Change:  
MSL rating reclassification according to product's MSL capability.

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**Affected Product(s):**

FSQ510M	FSQ510MX	
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Qualification Plan	Device	Package	Process	No. of Lots
Q20110134	FSQ510MX	7LSOP	SDG4D	3

Test Description:	Condition:	Standard :	Duration:	Results:
MSL3 Precondition	250C, 3 cycles	JESD22-A113		0/462
High Temperature Operating Life	100C, Vcc=20V, Vds=50V, VSTR=400V	JESD22-A108	1000 hrs	0/231
Highly Accelerated Stress Test with Precon	110C, 85%RH, Vcc=11V, Vdd=50V	JESD22-A110	264 hrs	0/231
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/231
High Temperature Reverse Bias	125C, 80% VDS	JESD22-A108	1000 hrs	0/231
Temperature Cycle with Precon	-65C, 150C	JESD22-A104	500 cycles	0/231