

PCN# : P35CA
Issue Date : Jun. 17, 2013

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 : Sep. 15, 2013

Expected First Date Code of Changed Product :1335

Description of Change (From) :

Bump: FSME
TEST: FSME, FSPM
DPS: FSPM

Description of Change (To) :

Bump: FSME, Amkor T5
TEST: FSME, FSPM, Amkor T3
DPS: FSPM, Amkor T3

Reason for Change:

The changes will expand manufacturing flexibility and supply chain robustness. This change is planned to take effect immediately upon customer approval. Please contact your local Customer Quality Engineer immediately upon receipt of this notification if you require any additional data or samples. Timely approval of this PCN will help to protect your supply chain against any unforeseen supply disruptions.

Affected Product(s):

FPF12045UCX		
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Qualification Plan	Device	Package	Process	No. of Lots
Q20120102	FSA2269UCX	UCBBU012	TSMC CM 0.18G	3

Test Description:	Condition:	Standard :	Duration:	Results:
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/231
Highly Accelerated Stress Test	130C, 85%RH, 4.3V	JESD22-A110	96 hrs	0/135
Static Op Life	150C, 4.3V	JESD22-A108	1000 hrs	0/231
Solderability, Condition C		JESD22-B102	8 hrs	0/33
Temperature Cycle	-40C, 125C	JESD22-A104	1000 Cycles	0/231

Qualification Plan	Device	Package	Process	No. of Lots
Q20120214	FSA9590UCX	UCBBU030	Maine FS35 5-40S	1
Q20120214	FSA9485UCX	UCBBU025	Maine FS35 5-40S	1

Test Description:	Condition:	Standard :	Duration:	Results:
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/154
Highly Accelerated Stress Test	110C, 85%RH, 5.4/3.9V	JESD22-A110	264 hrs	0/45
Highly Accelerated Stress Test	110C, 85%RH, 3.5V	JESD22-A110	264 hrs	0/45
Temperature Cycle	-40C, 125C	JESD22-A104	1000 Cycles	0/154