



PCN# : P64CAAB
Issue Date : May. 05, 2016

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.

Implementation of change:

Expected First Shipment Date for Changed Product :Aug. 03, 2016

Expected First Date Code of Changed Product :1632

Description of Change (From) :
HDG4 Technology product produced at the FSC Bucheon 5"/6" Wafer Fabrication Areas.

Description of Change (To) :
HDG4 Technology product produced at the FSC Bucheon 5"/6" and S Portland 8" Wafer Fabrication Areas.

Reason for Change:
This change is being made to internally provide second source capability and minimize any risk of disruption of supply.

Affected Product(s):

FAN7380MX	FAN7380MX_G	FAN7380MX_OP
FAN7380MX_WS	FAN7382M1X	FAN7382MX
FAN7382MX_G	FAN7382MX_WS	FAN7382N
FAN73832MX	FAN73833MX	FAN7842MX
FSB50450S	FSBB20CH60C	FSBB30CH60C
NBC9614	NBC9615	NBC9616

Qualification Plan	Device	Package	Description	No. of Lots
Q20150205A	FAN7380MX	NMSONA08 - 8LD	HDG4 / HVIC	3

Test Description & Condition:	Standard :	Duration:	Results:
HTRB@ 125C, 500V	JESD22-A108	168, 500, 1k hrs	0/77, 0/77, 0/77
SOPL@ 125C, 20V	JESD22-A103	168, 500, 1k hrs	0/77, 0/77, 0/77
HAST1 @ 130C, 85%RH, 10V	JESD22-A110	96 hrs	0/45, 0/45, 0/45
HTSL @ 150C	JESD22-A103	168,500,1k hours	0/77, 0/77, 0/77
TMCL@ -65C to 150 C, 30 min/cycle	JESD22-A104	100,500 cycles	0/77, 0/77, 0/77
HBM	JESD22-A114	2,000V	0/3, 0/3, 0/3
CDM	JESD22-C101	1,000V	0/3, 0/3, 0/3



Title : Qualification Report for PCN : P64CAAB

Date : May. 04, 2016

Affected devices :

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Product	Customer Part Number	BBB	Drawing
FAN7380MX		Y	N
FAN7382M1X		Y	N
FAN7382MX		Y	N
FAN73832MX		Y	N
FAN73833MX		Y	N
FAN7842MX		Y	N
FSBB30CH60C		Y	N

C

Product	Customer Part Number	BBB	Drawing
FSB50450S		Y	N

Qualification Test Summary :

Qualification Plan	Device	Package	Description	No. of Lots
Q20150205A	FAN7380MX	NMSONA08 - 8LD	HDG4 / HVIC	3

Test Description & Condition:	Standard :	Duration:	Results:
HTRB@ 125C, 500V	JESD22-A108	168, 500, 1k hrs	0/77, 0/77, 0/77
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TMCL@ -65C to 150 C, 30 min/cycle	JESD22-A104	100,500 cycles	0/77, 0/77, 0/77
HBM	JESD22-A114	2,000V	0/3, 0/3, 0/3
CDM	JESD22-C101	1,000V	0/3, 0/3, 0/3

The selection methodology of qualification vehicles is aligned with JESD47 and if automotive devices are impacted by the PCN the selection of qualification vehicles is also align with the requirements in AEC-Q100 or AEC-Q101

Please contact your local Customer Quality Engineer if you have any questions concerning this data.