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**PCN# : P578AAB**  
**Issue Date : Mar. 11, 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 :Jun. 09, 2016

Expected First Date Code of Changed Product :1624

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):**

FAN7361MX	FAN7362MX	FAN7371MX
FAN7380MX	FAN7380MX_G	FAN7380MX_WS
FAN7382M1X	FAN7382MX	FAN7382MX_G
FAN7382MX_WS	FAN7382N	FAN73832MX
FAN73832MX_T	FAN73833MX	FAN7383MX
FAN7383MX_WS	FAN7384MX	FAN7385MX
FAN7387MX	FAN7387VN	FAN7388MX
FAN7710VN	FAN7711MX	FAN7711N
FAN7711ZMX	FAN7842MX	FAN7888MX
FCBB20CH60SF	FCBS0550	FSB32560
FSB50250	FSB50250UD	FSB50250US
FSB50250UTD	FSB50325T	FSB50450
FSB50450S	FSB50450TB2	FSB50450UD
FSB50450US	FSB50550T	FSB50550TB2
FSB50550US	FSB50550UTD	FSB50825TB
FSB50825TB2	FSB50825US	FSB52006S
FSBB15CH60	FSBB15CH60C	FSBB15CH60F
FSBB20CH60	FSBB20CH60C	FSBB20CH60CL
FSBB20CH60CT	FSBB20CH60CTSL	FSBB20CH60C_F139
FSBB20CH60C_SN00327	FSBB20CH60C_T	FSBB20CH60F
FSBB20CH60L	FSBB20CH60SL	FSBB20CH60_T
FSBB30CH60	FSBB30CH60C	FSBB30CH60CM
FSBB30CH60CS	FSBB30CH60CT	FSBB30CH60C_SN00326
FSBB30CH60C_T	FSBB30CH60F	FSBB30CH60FM
FSBF10CH60B	FSBF10CH60BT	FSBF10CH60BTL
FSBF10CH60BTSL	FSBF10CH60BT_T	FSBF15CH60BT
FSBF15CH60BTH	FSBF15CH60BT_T	FSBF15CH60CT
FSBF15CH60CT_T	FSBF5CH60B	FSBF5CH60BS
FSBF5CH60BS_T	FSBS10CH60	FSBS10CH60L
FSBS10CH60L_T	FSBS10CH60SL	FSBS10CH60T
FSBS10CH60_T	FSBS15CH60	FSBS15CH60F
FSBS15CH60L	FSBS15CH60L_T	FSBS15CH60_T
FSBS3CH60	FSBS5CH60	FSBS8CH60T
FSH7101MX	FSSP50CH60S	FSSP50CH60S_T
FTBV1P5SH50U	FTBV1SH25U	FTBV1SH25X
FTBV1SH50U	FTBV1SH50X	FTBVP5SH50U
FTBVP5SH50X	NBC9610	NBC9611
NBC9612	NBC9613	NBC9614
NBC9615	NBC9616	

Qualification Plan	Device	Package	Description	No. of Lots
Q20150205	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 : P578AAB**

**Date : Mar. 10, 2016**

**Affected devices :**

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Product	Customer Part Number	BBB	Drawing
FAN7362MX		Y	N
FAN7371MX		Y	N
FAN7380MX		Y	N
FAN7382M1X		Y	N
FAN7382MX		Y	N
FAN73832MX		Y	N
FAN73833MX		Y	N
FAN7383MX		Y	N
FAN7384MX		Y	N
FAN7388MX		Y	N
FAN7711MX		Y	N
FAN7842MX		Y	N
FAN7888MX		Y	N
FSB50550US		Y	N
FSBB15CH60C		Y	N
FSBB20CH60CT		Y	N
FSBB30CH60C		Y	N
FSBB30CH60F		Y	N
FSBF10CH60B		Y	N
FSBF10CH60BTL		Y	N
FSBF15CH60BT		Y	N

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Product	Customer Part Number	BBB	Drawing
FSB50250		Y	N
FSB50325T		Y	N
FSB50450		Y	N
FSB50450S		Y	N
FSB50450US		Y	N
FSB50550US		Y	N
FSB52006S		Y	N
FSBB15CH60		Y	N
FSBB20CH60		Y	N
FSBB30CH60CT		Y	N

FSBF10CH60BT		Y	N
FSBF5CH60B		Y	N
FSBS3CH60		Y	N

**Qualification Test Summary :**

Qualification Plan	Device	Package	Description	No. of Lots
Q20150205	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

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.