



PCN# : P63DAAB
Issue Date : Aug. 03, 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 :Nov. 01, 2016

Expected First Date Code of Changed Product :1645

Description of Change (From) :
SPM3/3V/3F manufacturing using 1.3mils Au wire.

Description of Change (To) :
SPM3/3V/3F manufacturing using alternative 1.2mils Cu wire.

Reason for Change:

This change is only to the bond wire material used for selected products for better bonding performance. Package outline drawings of the affected products remain unchanged. All of the affected products are fully compliant to all published data sheet and this change will have no impact on their electrical performance.

Affected Product(s):

FNB33060T	FPAB20BH60B	FPAB30BH60B
FPDB40PH60B	FPDB40PH60B_SN00372	FPDB60PH60B
FPDB60PH60B_SN00373	FPDL10BH60	FPDL10BH60L
FPDL15BH60	FSBB10CH120D	FSBB10CH120DF
FSBB15CH60D	FSBB20CH60C_SN00374	FSBB20CH60D
FSBB25CH60DS	FSBB30CH60C_SN00375	FSBB30CH60DF

Qualification Plan	Device	Package	Process	No. of Lots
F20140261	FSBF15CH60CT	SPM3F		3

Test Description:	Condition:	Standard :	Duration:	Results:
Temperature Cycle	-40C, 125C	JESD22-A104	200 cycles	0/75
Temperature Humidity Bias Test	85°C, 85% RH , 80% of Rated BV (Max=100V)	JESD22-A101	1000 hrs	0/25
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/75

Qualification Plan	Device	Package	Process	No. of Lots
F20140261	FSBB30CH60C	SPM3V		1

Test Description:	Condition:	Standard :	Duration:	Results:
Temperature Cycle	-40C, 125C	JESD22-A104	200 cycles	0/25
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/25

Qualification Plan	Device	Package	Process	No. of Lots
F20140261	FPDB60PH60B	SPM3V		1

Test Description:	Condition:	Standard :	Duration:	Results:
Temperature Cycle	-40C, 125C	JESD22-A104	200 cycles	0/25
Temperature Humidity Bias Test	85°C, 85% RH , 80% of Rated BV (Max=100V)	JESD22-A101	1000 hrs	0/25
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/25



Title : Qualification Report for PCN : P63DAAB

Date : Aug. 02, 2016

Affected devices :

C

Product	Customer Part Number	BBB	Drawing
FNB33060T		Y	N
FPAB20BH60B		Y	N
FPDB60PH60B		Y	N
FSBB10CH120D		Y	N
FSBB10CH120DF		Y	N
FSBB15CH60D		Y	N
FSBB20CH60D		Y	N
FSBB30CH60DF		Y	N

C

Product	Customer Part Number	BBB	Drawing
FSBB20CH60D		Y	N

Qualification Test Summary :

Qualification Plan	Device	Package	Process	No. of Lots
F20140261	FSBF15CH60CT	SPM3F		3

Test Description:	Condition:	Standard :	Duration:	Results:
Temperature Cycle	-40C, 125C	JESD22-A104	200 cycles	0/75
Temperature Humidity Bias Test	85°C, 85% RH , 80% of Rated BV (Max=100V)	JESD22-A101	1000 hrs	0/25
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/75

Qualification Plan	Device	Package	Process	No. of Lots
F20140261	FSBB30CH60C	SPM3V		1

Test Description:	Condition:	Standard :	Duration:	Results:
Temperature Cycle	-40C, 125C	JESD22-A104	200 cycles	0/25
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/25

Qualification Plan	Device	Package	Process	No. of Lots
F20140261	FPDB60PH60B	SPM3V		1

Test Description:	Condition:	Standard :	Duration:	Results:
Temperature Cycle	-40C, 125C	JESD22-A104	200 cycles	0/25
Temperature Humidity Bias Test	85°C, 85% RH , 80% of Rated BV (Max=100V)	JESD22-A101	1000 hrs	0/25
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/25

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.