



Final Product/Process Change Notification

Document #:FPCN23428X

Issue Date:19 Oct 2020

Title of Change:	Bucheon 8inch FRD rectifiers dual source in CZ4	
Proposed First Ship date:	24 Jan 2021 or earlier if approved by customer	
Contact Information:	Contact your local ON Semiconductor Sales Office or Daniel.Jeon@onsemi.com	
PCN Samples Contact:	Contact your local ON Semiconductor Sales Office or < PCN.samples@onsemi.com >. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Byeongyeop.Lee@onsemi.com	
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com	
Marking of Parts/ Traceability of Change:	Affected products will be identified with date code	
Change Category:	Wafer Fab Change, Test Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
ON Semiconductor Sites	External Foundry/Subcon Sites	
ON Semiconductor Bucheon, Korea	None	
ON Semiconductor Roznov, Czech Republic		
Description and Purpose:		
Bucheon Korea 8inch FRD rectifier dual source in CZ4 Czech Republic.		
	Before Change Description	After Change Description
Manufacturing locations for Wafer Fab and Probe Test	ON Semiconductor Bucheon, Korea	ON Semiconductor Bucheon, Korea ON Semiconductor Roznov, Czech Republic
There is no product marking change as a result of this change		

**Reliability Data Summary:**

QV2 DEVICE NAME: FFA60UA60DN

RRF: 68327, 68386

PACKAGE: TO3P

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Tj = 175°C , 80% max rated V	1008 hrs	0/77
HAST	JESD22-A110	130°C, 85%RH, 18.8 psig, bias	96hrs	0/77
UHAST	JESD22-A118	130°C, 85%RH, 18.8 psig, unbiased	96hrs	0/77
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/77
HTSL	JESD22-A103	Ta = 175°C	1008 Hrs	0/77
IOL	MIL STD750 (M 1037) AEC Q101	Ta=+25°C, delta Tj=100°C,on/off =2 min	15000 cyc	0/77
RSH	JESD22- B106	Ta=265°C, 10 sec		0/30

QV3 DEVICE NAME: FFH30S60STU

RRF: 68326, 68387

PACKAGE: TO247

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Tj = 175°C , 80% max rated V	1008 hrs	0/77
HAST	JESD22-A110	130°C, 85%RH, 18.8 psig, bias	96hrs	0/77
UHAST	JESD22-A118	130°C, 85%RH, 18.8 psig, unbiased	96hrs	0/77
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/77
HTSL	JESD22-A103	Ta = 175°C	1008 Hrs	0/77
IOL	MIL STD750 (M 1037) AEC Q101	Ta=+25°C, delta Tj=100°C,on/off =5 min	6000 cyc	0/77
RSH	JESD22- B106	Ta=265°C, 10 sec		0/30

QV5 DEVICE NAME: FNA41560T2

RRF: 68330, 68385

PACKAGE: SPM45

Test	Specification	Condition	Interval	Result
UHAST	JESD22-A118	130°C, 85%RH, 18.8 psig, unbiased	96hrs	0/36
TC	JESD22-A104	Ta = -40°C to +125°C	200 cyc	0/36
HTSL	JESD22-A103	Ta = 150°C	1008 Hrs	0/36
H3TRB	JESD22-A101	85°C, 85%RH, 18.8 psig, bias	1008 Hrs	0/36

All reliability result passed.

Electrical Characteristics Summary:

Electrical characteristics are not impacted.

**List of Affected Parts:**

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [**PCN Customized Portal**](#).

Part Number	Qualification Vehicle
FSB50450AS	FFA60UA60DN, FFH30S60STU, FNA41560T2
FSB50450BS	FFA60UA60DN, FFH30S60STU, FNA41560T2
FSB50550BB	FFA60UA60DN, FFH30S60STU, FNA41560T2
FSBB20CH60C	FFA60UA60DN, FFH30S60STU, FNA41560T2
FSBB30CH60C	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNCS1560L	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNA41560B2	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNA41560B5	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNB40560	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNB41560	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNC42060F2	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNC42060F2-Z002	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNE41060	FFA60UA60DN, FFH30S60STU, FNA41560T2

Japanese translation of the notification starts here.
通知の日本語訳はここから始まります。

Note: The Japanese version is for reference only. In case of any differences between the English and Japanese version, the English version shall control.

注：日本語版は参照用です。英語版と日本語版の違いがある場合は、英語版が優先されます。



信頼性データの要約:

デバイス名: FA60UA60DN

RMS: 68327, 68386

パッケージ: TO3P

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Tj = 175°C, 80% max rated V	1008 hrs	0/77
HAST	JESD22-A110	130°C, 85%RH, 18.8 psig, bias	96hrs	0/77
UHASt	JESD22-A118	130°C, 85%RH, 18.8 psig, unbiased	96hrs	0/77
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/77
HTSL	JESD22-A103	Ta = 175°C	1008 Hrs	0/77
IOL	MIL STD750 (M 1037) AEC Q101	Ta=+25°C, delta Tj=100°C,on/off =2 min	15000 cyc	0/77
RSH	JESD22- B106	Ta=265°C, 10 sec		0/30

デバイス名: FFH30S60STU

RMS: 68326, 68387

パッケージ: TO247

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Tj = 175°C, 80% max rated V	1008 hrs	0/77
HAST	JESD22-A110	130°C, 85%RH, 18.8 psig, bias	96hrs	0/77
UHASt	JESD22-A118	130°C, 85%RH, 18.8 psig, unbiased	96hrs	0/77
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/77
HTSL	JESD22-A103	Ta = 175°C	1008 Hrs	0/77
IOL	MIL STD750 (M 1037)AEC Q101	Ta=+25°C, delta Tj=100°C,on/off =5 min	6000 cyc	0/77
RSH	JESD22- B106	Ta=265°C, 10 sec		0/30

デバイス名: FNA41560T2

RMS: 68330, 68385

パッケージ: TO247

テスト	仕様	条件	間隔	結果
UHASt	JESD22-A118	130°C, 85%RH, 18.8 psig, unbiased	96hrs	0/36
TC	JESD22-A104	Ta = -40°C to +125°C	200 cyc	0/36
HTSL	JESD22-A103	Ta = 150°C	1008 Hrs	0/36
H3TRB	JESD22-A101	85°C, 85%RH, 18.8 psig, bias	1008 Hrs	0/36

全ての信頼性結果は合格しました。

電気的特性の要約:

電気的特性への影響はありません。



最終製品 / プロセス変更通知

文書番号# : FPCN23428X

発行日 : 19 Oct 2020

影響を受ける部品の一覧:

注: 部品一覧には標準部品番号 (既製品) のみが記載されています。本 PCN の影響を受けるカスタム部品番号は、PCN メールで提供される顧客個別の付録、または PCN カスタマイズポータルに記載されています。

部品番号	認定試験用ピークル
FSB50450AS	FFA60UA60DN, FFH30S60STU, FNA41560T2
FSB50450BS	FFA60UA60DN, FFH30S60STU, FNA41560T2
FSB50550BB	FFA60UA60DN, FFH30S60STU, FNA41560T2
FSBB20CH60C	FFA60UA60DN, FFH30S60STU, FNA41560T2
FSBB30CH60C	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNCS1560L	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNA41560B2	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNA41560B5	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNB40560	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNB41560	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNC42060F2	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNC42060F2-Z002	FFA60UA60DN, FFH30S60STU, FNA41560T2
FNE41060	FFA60UA60DN, FFH30S60STU, FNA41560T2