



Final Product/Process Change Notification

Document #:FPCN23577X1

Issue Date:05 Feb 2021

Title of Change:	Update to FPCN23577X - Adding UHAST reliability result which missing in FPCN23577X			
Proposed First Ship date:	24 Feb 2021 or earlier if approved by customer			
Contact Information:	Contact your local ON Semiconductor Sales Office or Jason.Choy@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 Tetsuya.Takaoka@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:	Customer may receive the parts from JCET once FPCN expired or earlier depending on customer approval. Parts from new assembly & test site can be identified through product marking which follow ON Semiconductor marking format.			
Change Category:	Wafer Fab Change, Assembly Change, Test Change			
Change Sub-Category(s):	Manufacturing Site Transfer, Material Change			
Sites Affected:				
ON Semiconductor Sites		External Foundry/Subcon Sites		
ON Semiconductor Niigata, Japan		AUKD, China		
		JCET, China		
		Phenittec Semiconductor, Japan		
Description and Purpose:				
This is an update from FPCN23577X to inform customer on the missing reliability result for UHAST. This updated FPCN will provide the reliability result for UHAST. Kindly refer to FPCN23357X on the full report.				
Reliability Data Summary:				
QV DEVICE NAME : <u>KSA1013YBU</u>				
PACKAGE : <u>TO-92</u>				
Test	Specification	Condition	Interval	Results
UHAST	JESD22-A118	Ta= 130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
QV DEVICE NAME : <u>KSA1015YTA</u>				
PACKAGE : <u>TO-92</u>				
Test	Specification	Condition	Interval	Results
UHAST	JESD22-A118	Ta= 130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
QV DEVICE NAME : <u>FSB560A-SN00165</u>				
PACKAGE : <u>SOT23-LC</u>				
Test	Specification	Condition	Interval	Results
UHAST	JESD22-A118	Ta= 130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231

**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
KSA1013YTA	FSB560A-SN00165, KSA1013YBU
KSA928AYTA	FSB560A-SN00165, KSA1013YBU
KSC2328AYTA	FSB560A-SN00165, KSA1013YBU
KSC2383OTA	FSB560A-SN00165, FJT44TF, KSA1013YBU
KSC2383YTA	FSB560A-SN00165, FJT44TF, KSA1013YBU
KSC1008CYTA	FSB560A-SN00165, KSA1015YTA
KSC1008YTA	FSB560A-SN00165, KSA1015YTA
KSP44TF	FSB560A-SN00165, FJT44TF, KSA1013YBU
SS8050CTA	FSB560A-SN00165, KSA1015YTA
SS8050DTA	FSB560A-SN00165, KSA1015YTA
KSD471ACYTA	FSB560A-SN00165, KSA1015YTA
KSD471AYTA	FSB560A-SN00165, KSA1015YTA
SS8550CTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
SS8550DTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA708CYTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA708YTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
BC636TA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
BC638TA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
BC640TA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA1015YTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSC1815YTA	FSB560A-SN00165, KSA1015YTA
KSD1616AGTA	FSB560A-SN00165, KSA1013YBU
KSD1616AYTA	FSB560A-SN00165, KSA1013YBU
KSD5041RTA	FSB560A-SN00165, KSA1013YBU
MPS751-D26Z	FSB560A-SN00165, KSA1013YBU
BC63916-D27Z	FSB560A-SN00165, FJT44TF, KSA1013YBU
BC63916-D74Z	FSB560A-SN00165, FJT44TF, KSA1013YBU
KSP44TA	FSB560A-SN00165, FJT44TF, KSA1013YBU
KSC1008YBU	FSB560A-SN00165, KSA1015YTA



KSP44BU	FSB560A-SN00165, FJT44TF, KSA1013YBU
SS8050CBU	FSB560A-SN00165, KSA1015YTA
SS8050DBU	FSB560A-SN00165, KSA1015YTA
SS8550CBU	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
SS8550DBU	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA708YBU	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSD1616AGBU	FSB560A-SN00165, KSA1013YBU
MPS751	FSB560A-SN00165, KSA1013YBU
KSA1013YBU	FSB560A-SN00165, KSA1013YBU
KSC2328AYBU	FSB560A-SN00165, KSA1013YBU
KSD471ACYBU	FSB560A-SN00165, KSA1015YTA
KSA992FATA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA992FBTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA992FBU	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA992FTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSC1845FTA	FSB560A-SN00165, FJT44TF, KSA1015YTA
MPSA29	FSB560A-SN00165, FJT44TF, KSA1013YBU
MPSA29-D26Z	FSB560A-SN00165, FJT44TF, KSA1013YBU
2N6517TA	FSB560A-SN00165, FJT44TF, KSA1013YBU
2N6517CTA	FSB560A-SN00165, FJT44TF, KSA1013YBU
2N6517BU	FSB560A-SN00165, FJT44TF, KSA1013YBU
KSA916YTA	FSB560A-SN00165, KSA1013YBU
BC516-D27Z	FSB560A-SN00165, KSA1013YBU
BC517-D74Z	FSB560A-SN00165, KSA1013YBU

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。



最終製品 / プロセス変更通知

文書番号 : FPCN23577X1

発行日 : 05 Feb 2021

変更件名:	FPCN23577X の更新 - FPCN23577X に漏れていた UHAST 信頼性試験結果の追加			
初回出荷予定日:	24 Feb 2021 またはお客様からの承認が得られた場合はそれ以前.			
連絡先情報:	現地のオン・セミコンダクター営業所または < Jason.Choy@onsemi.com > にお問い合わせください。			
サンプル:	現地のオン・セミコンダクター営業所または < PCN.Samples@onsemi.com > にお問い合わせください。 サンプルは、この変更の初回通知、初回 PCN の日付から 30 日以内に要求してください。 サンプル納入時は、依頼日、数量、特別梱包材/ラベル条件によって異なります。			
追加の信頼性データ:	最寄りのオン・セミコンダクター営業所または < Tetsuya.Takaoka@onsemi.com > にお問い合わせください。			
通知種別:	これは、お客様宛の最終製品 / プロセス変更通知 (FPCN) です。FPCN は、変更実施の 90 日前に発行されます。 オン・セミコンダクターは、この通知の送付から 30 日以内に書面による問い合わせがない限り、この変更が承諾されたものとみなします。お問い合わせは、< PCN.Support@onsemi.com > 宛てにお願いします。			
変更部品の識別:	お客様は JCET からの製品を、FPCN の期間満了後またはお客様の承認があればその前から受け取るようになります。新しい組立および検査拠点からの製品は、オン・セミコンダクターのマーキングフォーマットに準拠した製品マーキングにより識別されます。			
変更カテゴリ:	ウェアファブの変更, 組立の変更, 検査の変更			
変更サブカテゴリ:	製造拠点の移管, 材料の変更			
影響を受ける拠点:				
オン・セミコンダクター拠点:	外部製造工場 / 下請業者拠点:			
ON Semiconductor Niigata, Japan	AUKD, China			
	JCET, China			
	Phenittec Semiconductor, Japan			
説明および目的:	本文書は、FPCN23577X の更新であり、記載されていなかった UHAST 信頼性試験結果をお客様にお知らせするものです。本 FPCN では、UHAST 信頼性試験結果を追加しました。詳細なレポートは、FPCN23357X をご確認ください。			
信頼性データの要約:				
デバイス名	: <u>KSA1013YBU</u>			
パッケージ	: <u>TO-92</u>			
テスト	仕様	条件	間隔	結果
UHAST	JESD22-A118	Ta= 130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
デバイス名	: <u>KSA1015YTA</u>			
パッケージ	: <u>TO-92</u>			
テスト	仕様	条件	間隔	結果
UHAST	JESD22-A118	Ta= 130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
デバイス名	: <u>FSB560A-SN00165</u>			
パッケージ	: <u>SOT23-LC</u>			
テスト	仕様	条件	間隔	結果
UHAST	JESD22-A118	Ta= 130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231



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文書番号# : FPCN23577X1

発行日: 05 Feb 2021

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
KSA1013YTA	FSB560A-SN00165, KSA1013YBU
KSA928AYTA	FSB560A-SN00165, KSA1013YBU
KSC2328AYTA	FSB560A-SN00165, KSA1013YBU
KSC2383OTA	FSB560A-SN00165, FJT44TF, KSA1013YBU
KSC2383YTA	FSB560A-SN00165, FJT44TF, KSA1013YBU
KSC1008CYTA	FSB560A-SN00165, KSA1015YTA
KSC1008YTA	FSB560A-SN00165, KSA1015YTA
KSP44TF	FSB560A-SN00165, FJT44TF, KSA1013YBU
SS8050CTA	FSB560A-SN00165, KSA1015YTA
SS8050DTA	FSB560A-SN00165, KSA1015YTA
KSD471ACYTA	FSB560A-SN00165, KSA1015YTA
KSD471AYTA	FSB560A-SN00165, KSA1015YTA
SS8550CTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
SS8550DTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA708CYTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA708YTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
BC636TA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
BC638TA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
BC640TA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA1015YTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSC1815YTA	FSB560A-SN00165, KSA1015YTA
KSD1616AGTA	FSB560A-SN00165, KSA1013YBU
KSD1616AYTA	FSB560A-SN00165, KSA1013YBU
KSD5041RTA	FSB560A-SN00165, KSA1013YBU
MPS751-D26Z	FSB560A-SN00165, KSA1013YBU
BC63916-D27Z	FSB560A-SN00165, FJT44TF, KSA1013YBU
BC63916-D74Z	FSB560A-SN00165, FJT44TF, KSA1013YBU
KSP44TA	FSB560A-SN00165, FJT44TF, KSA1013YBU
KSC1008YBU	FSB560A-SN00165, KSA1015YTA



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KSP44BU	FSB560A-SN00165, FJT44TF, KSA1013YBU
SS8050CBU	FSB560A-SN00165, KSA1015YTA
SS8050DBU	FSB560A-SN00165, KSA1015YTA
SS8550CBU	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
SS8550DBU	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA708YBU	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSD1616AGBU	FSB560A-SN00165, KSA1013YBU
MPS751	FSB560A-SN00165, KSA1013YBU
KSA1013YBU	FSB560A-SN00165, KSA1013YBU
KSC2328AYBU	FSB560A-SN00165, KSA1013YBU
KSD471ACYBU	FSB560A-SN00165, KSA1015YTA
KSA992FATA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA992FBTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA992FBU	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSA992FTA	FSB560A-SN00165, KSA1015YTA, KSA1013YBU
KSC1845FTA	FSB560A-SN00165, FJT44TF, KSA1015YTA
MPSA29	FSB560A-SN00165, FJT44TF, KSA1013YBU
MPSA29-D26Z	FSB560A-SN00165, FJT44TF, KSA1013YBU
2N6517TA	FSB560A-SN00165, FJT44TF, KSA1013YBU
2N6517CTA	FSB560A-SN00165, FJT44TF, KSA1013YBU
2N6517BU	FSB560A-SN00165, FJT44TF, KSA1013YBU
KSA916YTA	FSB560A-SN00165, KSA1013YBU
BC516-D27Z	FSB560A-SN00165, KSA1013YBU
BC517-D74Z	FSB560A-SN00165, KSA1013YBU



Appendix A: Changed Products

DIKG : DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
SS8550CTA		FSB560A-SN00165, KSA1015YTA, KSA1013YBU	NA	
KSA708YTA		FSB560A-SN00165, KSA1015YTA, KSA1013YBU	NA	
BC636TA		FSB560A-SN00165, KSA1015YTA, KSA1013YBU	NA	
BC638TA		FSB560A-SN00165, KSA1015YTA, KSA1013YBU	NA	
BC640TA		FSB560A-SN00165, KSA1015YTA, KSA1013YBU	NA	
KSA1015YTA		FSB560A-SN00165, KSA1015YTA, KSA1013YBU	NA	
KSC1815YTA		FSB560A-SN00165, KSA1015YTA	NA	
KSA1013YTA		FSB560A-SN00165, KSA1013YBU	NA	
KSA928AYTA		FSB560A-SN00165, KSA1013YBU	NA	
KSC2328AYTA		FSB560A-SN00165, KSA1013YBU	NA	
KSC2383OTA		FSB560A-SN00165, FJT44TF, KSA1013YBU	NA	
KSC2383YTA		FSB560A-SN00165, FJT44TF, KSA1013YBU	NA	
KSC1008CYTA		FSB560A-SN00165, KSA1015YTA	NA	
KSC1008YTA		FSB560A-SN00165, KSA1015YTA	NA	
KSP44TF		FSB560A-SN00165, FJT44TF, KSA1013YBU	NA	
SS8050CTA		FSB560A-SN00165, KSA1015YTA	NA	
SS8050DTA		FSB560A-SN00165, KSA1015YTA	NA	
KSD1616AGTA		FSB560A-SN00165, KSA1013YBU	NA	
KSD1616AYTA		FSB560A-SN00165, KSA1013YBU	NA	
KSD5041RTA		FSB560A-SN00165, KSA1013YBU	NA	
MPS751-D26Z		FSB560A-SN00165, KSA1013YBU	NA	
BC63916-D27Z		FSB560A-SN00165, FJT44TF, KSA1013YBU	NA	
BC63916-D74Z		FSB560A-SN00165, FJT44TF, KSA1013YBU	NA	
KSP44TA		FSB560A-SN00165, FJT44TF, KSA1013YBU	NA	
KSC1008YBU		FSB560A-SN00165, KSA1015YTA	NA	
SS8550DTA		FSB560A-SN00165, KSA1015YTA, KSA1013YBU	NA	



Appendix A: Changed Products

DIKG : DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
MPSA29-D26Z		FSB560A-SN00165, FJT44TF, KSA1013YBU	NA	
2N6517TA		FSB560A-SN00165, FJT44TF, KSA1013YBU	NA	
2N6517CTA		FSB560A-SN00165, FJT44TF, KSA1013YBU	NA	
KSA916YTA		FSB560A-SN00165, KSA1013YBU	NA	
2N6517BU		FSB560A-SN00165, FJT44TF, KSA1013YBU	NA	
BC516-D27Z		FSB560A-SN00165, KSA1013YBU	NA	
BC517-D74Z		FSB560A-SN00165, KSA1013YBU	NA	