ON Semiconductor®

Final Product/Process Change Notification

Document # : FPCN22523Z
Issue Date: 3 March 2019

Title of Change:	Qualification of non conductive die attach epoxy ABLESTIK 8900NC in TSOP5, TSOP6, US8, SC82 and SOT23A devices as an alternative to the current non-conductive epoxy Hitachi EN4370K3 due to end of life.
Proposed Changed Material First Ship Date:	3 March 2020
Product Category:	Active components – Integrated circuits
Contact information:	Contact your local ON Semiconductor Sales Office or <PCN.Support@onsemi.com>
Samples:	Contact your local ON Semiconductor Sales Office to place sample order or <PCN.samples@onsemi.com> Sample requests are to be submitted no later than 45 days after publication of this change notification.
Sample Availability Date:	1 February 2019
PPAP Availability Date:	1 February 2019
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <MohdHairwan.MdNor@onsemi.com>
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 12 months prior to implementation of the change or earlier upon customer approval. ON Semiconductor will consider this proposed change and it's conditions acceptable, unless an inquiry is made in writing within 45 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com.

Change Category	**Type of Change**
Process – Assembly	Die attach material

Description and Purpose:

ON Semiconductor would like to inform its customers of the qualification of non-conductive die attach epoxy Ablestik 8900NC, for products listed in this Final Product Change Notification (FPCN). This epoxy will replace the current non-conductive die attach epoxy, Hitachi EN4370K3, due to end of life by the manufacturer. At the end of the FPCN approval cycle, these products will be using epoxy Ablestik 8900NC as the die attach epoxy Hitachi EN4370K3 will no longer be available.

No change for test.

For assembly, BOM change associated with this FPCN is shown here.

	Before Change Description	**After Change Description**
Die Attach	Non-conductive epoxy Hitachi EN4370K3	Non-conductive epoxy Ablestik 8900NC

There is no product marking change as a result of this change

Reason / Motivation for Change:	- New epoxy ABLESTIK 8900NC is Antimony (Sb) free. Current epoxy Hitachi EN4370K3 has 12,000 mm/kg. - Current epoxy Hitachi EN4370K3 is being end of lifed by the supplier.	
Anticipated impact on fit, form, function, reliability, product safety or manufacturability	The device has been qualified and validated based on the same Product Specification. The device has successfully passed the qualification tests. Potential impacts can be identified, but due to testing performed by ON Semiconductor in relation to the PCN, associated risks are verified and excluded. No anticipated impacts.	
Sites Affected:	ON Semiconductor Sites: ON Seremban, Malaysia	External Foundry/Subcon Sites: None
Marking of Parts/ Traceability of Change:	Materials assembly with new material will be identified with date code 2005 or newer	

Reliability Data Summary:

QV DEVICE NAME : NCV551SN30T1G
RMS S48691
PACKAGE TSOP5

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
PTC	JESD22-A105	Ta=-40°C to +125°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

QV DEVICE NAME : NCV2002SN1T1G
RMS S48812
PACKAGE TSOP6

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
AC	JESD22-A118	121°C, 100% RH, 15psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

QV DEVICE NAME : NLV7WBD3125USG
RMS S48814
PACKAGE US8

Test	Specification	Condition	Interval	Results
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252

QV DEVICE NAME : NLV7SB3257DTT1G
RMS S48908
PACKAGE SC82

Test	Specification	Condition	Interval	Results
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252

QV DEVICE NAME : N24C64UVTG
RMS S49777
PACKAGE US8

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

QV DEVICE NAME : NCV305LSQ20T1G
RMS S48688
PACKAGE SC82

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
AC	JESD22-A118	121°C, 100% RH, 15psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/504
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

QV DEVICE NAME : NCV51460SN33T1G
RMS S48792
PACKAGE SOT23

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
UHAST	JESD22-A118	130°C, 85% RH, 18.8 psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/504
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

Note: AEC 1-pager attached

To view attachments:

1. Download pdf copy of the PCN to your computer
2. Open the downloaded pdf copy of the PCN
3. Click on the paper clip icon available on the menu provided in the left/bottom portion of the screen to reveal the Attachment field
4. Then click on the attached file/s

Electrical Characteristic 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.**

Current Part Number	New Part Number	Qualification Vehicle
N24C02UVTG	NA	NLV7WBD3125USG & N24C64UVTG
N24C04UVTG	NA	NLV7WBD3125USG & N24C64UVTG
N24C08UVTG	NA	NLV7WBD3125USG & N24C64UVTG
N24C16UVTG	NA	NLV7WBD3125USG & N24C64UVTG
N24C32UVTG	NA	NLV7WBD3125USG & N24C64UVTG
N24C64UVTG	NA	NLV7WBD3125USG & N24C64UVTG
NCV1406SNT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV1729SN35T1G	NA	NCV2002SN1T1G
NCV2001SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2002SN1T1G	NA	NCV2002SN1T1G
NCV2002SN2T1G	NA	NCV2002SN1T1G
NCV2003SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV20061SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV20071SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV20081SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV20091SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2200SN1T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2200SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2202SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2250SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2252SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV300LSN28T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV300LSN30T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV300LSN36T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301HSN27T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN12T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN16T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN20T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN22T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN25T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN28T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN30T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G

NCV301LSN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN40T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN42T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN45T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN47T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV302HSN45T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV302LSN20T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV302LSN30T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN09T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN10T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN11T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN12T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN13T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN14T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
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NCV303LSN17T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
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NCV303LSN22T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
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NCV303LSN27T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN28T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN29T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
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NCV303LSN34T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
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NCV303LSN44T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN45T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN46T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
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NCV303LSN49T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV304LSQ30T1G	NA	NCV305LSQ20T1G

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NCV305LSQ11T1G	NA	NCV305LSQ20T1G
NCV305LSQ20T1G	NA	NCV305LSQ20T1G
NCV305LSQ23T1G	NA	NCV305LSQ20T1G
NCV305LSQ44T1G	NA	NCV305LSQ20T1G
NCV308SN330T1G	NA	NCV2002SN1T1G
NCV308SNADJT1G	NA	NCV2002SN1T1G
NCV331SN3T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
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NCV551SN50T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
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NCV553SQ50T1G	NA	NCV305LSQ20T1G
NCV562SQ25T1G	NA	NCV305LSQ20T1G
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NCV563SQ18T1G	NA	NCV305LSQ20T1G
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NCV571SN08T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV571SN09T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
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NCV571SN12T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV662SQ15T1G	NA	NCV305LSQ20T1G
NCV662SQ18T1G	NA	NCV305LSQ20T1G
NCV662SQ25T1G	NA	NCV305LSQ20T1G
NCV662SQ27T1G	NA	NCV305LSQ20T1G
NCV662SQ28T1G	NA	NCV305LSQ20T1G
NCV662SQ30T1G	NA	NCV305LSQ20T1G
NCV662SQ33T1G	NA	NCV305LSQ20T1G
NCV662SQ50T1G	NA	NCV305LSQ20T1G
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NCV663SQ30T1G	NA	NCV305LSQ20T1G
NCV663SQ33T1G	NA	NCV305LSQ20T1G
NCV663SQ50T1G	NA	NCV305LSQ20T1G
NCV7101SN1T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV7101SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
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NCV8560SN150T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN180T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G

NCV8560SN250T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN280T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN300T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN330T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN350T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN500T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SNADJT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8570BSN18T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8570BSN25T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8570BSN28T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8570BSN30T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8570BSN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8603SN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8925SNT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLHVQ011USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV17SZ74USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ00USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ08USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ125USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ126USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ32USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ86USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV37WZ04USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV37WZ07USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV37WZ14USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV37WZ16USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV37WZ17USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV74HC1G00DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74HC1G14DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74HC1G32DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1G01DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1G07DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1G08DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1G09DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1GT02DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1GT32DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1GT50DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1GT86DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G

NLV7SB3257DTT1G	NA	NCV2002SN1T1G
NLV7WBD3125USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV9306USG	NA	NLV7WBD3125USG & N24C64UVTG
NLVAS1053USG	NA	NLV7WBD3125USG & N24C64UVTG
NLVAS4599DTT1G	NA	NCV2002SN1T1G
NLVAST4501DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVAST4599DTT1G	NA	NCV2002SN1T1G
NLVHC1G08DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVPCA9306USG	NA	NLV7WBD3125USG & N24C64UVTG
NLVVHC1G132DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1G32DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1G66DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1G86DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1GT04DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1GT08DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1GT125DT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1GT126DT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
SC431AVSNT1G	NA	NCV51460SN33T1G
SC431BVSNT1G	NA	NCV51460SN33T1G
SCV431ASN1T1G	NA	NCV51460SN33T1G
SCV431BSN1T1G	NA	NCV51460SN33T1G
TL331VSN4T3G	NA	NCV551SN30T1G & NLV7SB3257DTT1G

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.

ON Semiconductor®

最終製品 / プロセス変更通知

文書番号#： FPCN22523Z
発行日： 3 March 2019

変更件名：	TSOP5、TSOP6、US8、SC82、および SOT23A パッケージ製品における現行の非導電性ダイ接着剤 Hitachi EN4370K3 の製造中止に伴う代わりの非導電性ダイ接着剤 ABLESTIK 8900NC の認定。
初回出荷予定日：	3 March 2020
製品カテゴリ：	アクティブなコンポーネント－集積回路
連絡先情報：	現地のオン・セミコンダクター営業所または <azhar.hamid @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に注文するか、または<PCN.samples@onsemi.com>にお問い合わせください。 サンプルは、この変更通知の発行から 45 日以内に要求してください。
サンプル提供開始可能日：	1 February 2019
PPAP 提供開始日：	1 January 2019
追加の信頼性データ：	お客さまの地域のオン・セミコンダクター営業所または<<MohdHairwan.MdNor @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 12 か月前、またはお客様からの承認が得られた場合はそれ以前に発行されることがあります。 オン・セミコンダクターは、この通知の送付から 45 日以内に書面による問い合わせが行われない限り、この変更希望およびその条件が受諾されたものとみなします。 お問い合わせは、PCN.Support@onsemi.com にお願いします。
変更カテゴリ：	**変更種別**
プロセス－組み立て	ダイ接着剤材料

説明および目的：

オン・セミコンダクターは、この最終製品変更通知 (FPCN) に記載されている製品に対して、非導電性ダイ接着剤 Ablestik 8900NC が認定されたことをお客様にお知らせします。この材料は、現行の非導電性ダイ接着剤 Hitachi EN4370K3 の製造業者側での製造中止に伴い、それに置き換わります。 FPCN 承認サイクルが完了した時点で、Hitachi EN4370K3 は入手できなくなるため、これらの製品では Ablestik 8900NC をダイ接着剤として使用するようになります。

テストの変更はありません。

組み立てについては、今回の FPCN に関連する BOM の変更を以下に示します。

	変更前の表記	変更後の表記
ダイ接着剤	Non-conductive epoxy Hitachi EN4370K3	Non-conductive epoxy Ablestik 8900NC

今回の変更に伴う製品表示の変更はありません。

変更の理由 / 動機：	- 新しいダイ接着剤 ABLESTIK 8900NC は、アンチモン (Sb) フリーです。現在のダイ接着剤 Hitachi EN4370K3 には、12,000 mm/kg 含まれています。 - 現在のダイ接着剤 Hitachi EN4370K3 は、サプライヤ側で製造中止になります。	
適合性、形状、機能、信頼性、製品安全性、または製造可能性に関して見込まれる影響	対象製品は同じ製品仕様に基づいて認定および検証されています。製品は認定試験に正常に合格しています。潜在的な影響が確認される可能性がありますが、オン・セミコンダクターが PCN に関して実施する検査により、関連するリスクは検証および排除されます。 予想される影響はありません。	
影響を受ける拠点：	オン・セミコンダクター拠点： ON Seremban, Malaysia	外部製造工場 / 下請業者拠点： なし
部品の表示 / 変更の追跡可能性：	新しい材料を使用した組立品は、2005 またはそれ以降の日付コードで識別されます。	

信頼性データの要約：

デバイス名：NCV551SN30T1G
RMS S48691
パッケージ：TSOP5

テスト	仕様	条件	間隔	結果
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
PTC	JESD22-A105	Ta=-40°C to +125°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

デバイス名：NCV2002SN1T1G
RMS S48812
パッケージ：TSOP6

テスト	仕様	条件	間隔	結果
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
AC	JESD22-A118	121°C, 100% RH, 15psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

デバイス名：NLV7WBD3125USG
RMS S48814
パッケージ：US8

テスト	仕様	条件	間隔	結果
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252

デバイス名：NLV7SB3257DTT1G
RMS S48908
パッケージ：SC82

テスト	仕様	条件	間隔	結果
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252

デバイス名：N24C64UVTG
RMS S49777
パッケージ：US8

テスト	仕様	条件	間隔	結果
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

デバイス名：NCV305LSQ20T1G
RMS S48688
パッケージ：SC82

テスト	仕様	条件	間隔	結果
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
AC	JESD22-A118	121°C, 100% RH, 15psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/504
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

デバイス名：NCV51460SN33T1G
RMS S48792
パッケージ：SOT23

テスト	仕様	条件	間隔	結果
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
UHAST	JESD22-A118	130°C, 85% RH, 18.8 psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/504
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

注：AEC 1 ページャーを添付しています。

添付文書を見るには:

1. ご使用のコンピューターに PDF 版の PCN をダウンロードします。
2. ダウンロードした PDF 版の PCN を開きます。
3. 添付欄を見るには、画面左 / 下部分のメニュー上にあるクリップ アイコンをクリックしてください。
4. 添付ファイルをクリックします

電気的特性の要約：

電気的特性への影響はありません。

影響を受ける部品の一覧：

注: 標準の部品番号（既製品）のみが部品一覧に記載されます。 本 PCN に影響を受けるカスタム 部品は、PCN メールの顧客の特定の PCN の付属文書、または PCN カスタマイズポータルに記載されています。

現在の部品番号	新部品番号	認定試験用ビークル
N24C02UVTG	NA	NLV7WBD3125USG & N24C64UVTG
N24C04UVTG	NA	NLV7WBD3125USG & N24C64UVTG
N24C08UVTG	NA	NLV7WBD3125USG & N24C64UVTG
N24C16UVTG	NA	NLV7WBD3125USG & N24C64UVTG
N24C32UVTG	NA	NLV7WBD3125USG & N24C64UVTG
N24C64UVTG	NA	NLV7WBD3125USG & N24C64UVTG
NCV1406SNT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV1729SN35T1G	NA	NCV2002SN1T1G
NCV2001SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2002SN1T1G	NA	NCV2002SN1T1G
NCV2002SN2T1G	NA	NCV2002SN1T1G
NCV2003SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV20061SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV20071SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV20081SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV20091SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2200SN1T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2200SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2202SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2250SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV2252SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV300LSN28T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV300LSN30T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV300LSN36T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301HSN27T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN12T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN16T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN20T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN22T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN25T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN28T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN30T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G

NCV301LSN40T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN42T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN45T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV301LSN47T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV302HSN45T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV302LSN20T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV302LSN30T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN09T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN10T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN11T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN12T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN13T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN14T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN15T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN16T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN17T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN20T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN22T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN23T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN24T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN25T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN27T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN28T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN29T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN30T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN31T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN34T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN36T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN40T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN42T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN43T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN44T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN45T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN46T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN47T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV303LSN49T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV304LSQ30T1G	NA	NCV305LSQ20T1G

NCV304LSQ33T1G	NA	NCV305LSQ20T1G
NCV305LSQ11T1G	NA	NCV305LSQ20T1G
NCV305LSQ20T1G	NA	NCV305LSQ20T1G
NCV305LSQ23T1G	NA	NCV305LSQ20T1G
NCV305LSQ44T1G	NA	NCV305LSQ20T1G
NCV308SN330T1G	NA	NCV2002SN1T1G
NCV308SNADJT1G	NA	NCV2002SN1T1G
NCV331SN3T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV360SNAET1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV360SNAFT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV360SNT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV361SNT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV391SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV4250-2CSNT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV4294CSN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV4294CSN50T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV4295CSN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV4295CSN50T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV4296-2CSN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV4296-2CSN50T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV431ASNT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV431BSNT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV500SN185T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV500SN18T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV500SN28T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV500SN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV502SN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV502SN50T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV511SN15T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV51460SN33T1G	NA	NCV51460SN33T1G
NCV551SN14T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV551SN15T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV551SN18T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV551SN25T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV551SN27T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV551SN28T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV551SN30T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G

NCV551SN31T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV551SN32T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV551SN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV551SN36T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV551SN50T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV553SQ15T1G	NA	NCV305LSQ20T1G
NCV553SQ30T1G	NA	NCV305LSQ20T1G
NCV553SQ50T1G	NA	NCV305LSQ20T1G
NCV562SQ25T1G	NA	NCV305LSQ20T1G
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NCV563SQ15T1G	NA	NCV305LSQ20T1G
NCV563SQ18T1G	NA	NCV305LSQ20T1G
NCV563SQ30T1G	NA	NCV305LSQ20T1G
NCV563SQ33T1G	NA	NCV305LSQ20T1G
NCV571SN08T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV571SN09T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV571SN10T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV571SN12T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV662SQ15T1G	NA	NCV305LSQ20T1G
NCV662SQ18T1G	NA	NCV305LSQ20T1G
NCV662SQ25T1G	NA	NCV305LSQ20T1G
NCV662SQ27T1G	NA	NCV305LSQ20T1G
NCV662SQ28T1G	NA	NCV305LSQ20T1G
NCV662SQ30T1G	NA	NCV305LSQ20T1G
NCV662SQ33T1G	NA	NCV305LSQ20T1G
NCV662SQ50T1G	NA	NCV305LSQ20T1G
NCV663SQ15T1G	NA	NCV305LSQ20T1G
NCV663SQ18T1G	NA	NCV305LSQ20T1G
NCV663SQ25T1G	NA	NCV305LSQ20T1G
NCV663SQ27T1G	NA	NCV305LSQ20T1G
NCV663SQ28T1G	NA	NCV305LSQ20T1G
NCV663SQ30T1G	NA	NCV305LSQ20T1G
NCV663SQ33T1G	NA	NCV305LSQ20T1G
NCV663SQ50T1G	NA	NCV305LSQ20T1G
NCV7101SN1T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV7101SN2T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN130T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G

NCV8560SN150T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN180T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN250T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN280T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN300T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN330T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN350T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SN500T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8560SNADJT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8570BSN18T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8570BSN25T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8570BSN28T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8570BSN30T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8570BSN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8603SN33T1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NCV8925SNT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLHVQ011USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV17SZ74USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ00USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ08USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ125USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ126USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ32USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV27WZ86USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV37WZ04USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV37WZ07USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV37WZ14USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV37WZ16USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV37WZ17USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV74HC1G00DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74HC1G14DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74HC1G32DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1G01DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1G07DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1G08DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1G09DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1GT02DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G

NLV74VHC1GT32DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1GT50DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV74VHC1GT86DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLV7SB3257DTT1G	NA	NCV2002SN1T1G
NLV7WBD3125USG	NA	NLV7WBD3125USG & N24C64UVTG
NLV9306USG	NA	NLV7WBD3125USG & N24C64UVTG
NLVAS1053USG	NA	NLV7WBD3125USG & N24C64UVTG
NLVAS4599DTT1G	NA	NCV2002SN1T1G
NLVAST4501DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVAST4599DTT1G	NA	NCV2002SN1T1G
NLVHC1G08DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVPCA9306USG	NA	NLV7WBD3125USG & N24C64UVTG
NLVVHC1G132DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1G32DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1G66DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1G86DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1GT04DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1GT08DTT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1GT125DT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
NLVVHC1GT126DT1G	NA	NCV551SN30T1G & NLV7SB3257DTT1G
SC431AVSNT1G	NA	NCV51460SN33T1G
SC431BVSNT1G	NA	NCV51460SN33T1G
SCV431ASN1T1G	NA	NCV51460SN33T1G
SCV431BSN1T1G	NA	NCV51460SN33T1G
TL331VSN4T3G	NA	NCV551SN30T1G & NLV7SB3257DTT1G