ON Semiconductor®

# Final Product/Process Change Notification

Document # : FPCN22523X
Issue Date: 7 February 2019

| | |
|---|---|
| **Title of Change:** | Qualification of nonconductive 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 first ship date:** | 14 May 2019 |
| **Contact information:** | Contact your local ON Semiconductor Sales Office or <pcn.support@onsemi.com> |
| **Samples:** | Contact your local ON Semiconductor Sales Office or <PCN.samples@onsemi.com><br>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. |
| **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 90 days prior to implementation of the change.<br>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> |
| **Change Part Identification:** | Materials assembly with new material will be identified with date code. |
| **Change Category:** | ☐ Wafer Fab Change ☑ Assembly Change ☐ Test Change ☐ Other _____ |

**Change Sub-Category(s):**

☐ Manufacturing Site Addition
☐ Manufacturing Site Transfer
☐ Manufacturing Process Change
☑ Material Change
☐ Product specific change
☐ Datasheet/Product Doc change
☐ Shipping/Packaging/Marking
☐ Other: _____

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|---|---|---|
| **Sites Affected:** | ON Semiconductor Sites:<br>ON Seremban, Malaysia | External Foundry/Subcon Sites:<br>None |

**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. At the end of the FPCN approval cycle, these products will be using epoxy Ablestik 8900NC as the die attach epoxy Hitachi EN4370K3 may no longer 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

**Reliability Data Summary:**

**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 : 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 : NCS2002SN1T1G**
**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 : 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 |

**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.**

| Part Number | Qualification Vehicle |
|---|---|
| 7SB3125DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| 7SB3126DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| 7SB3257DTT1G | NCS2002SN1T1G |
| 7SB3257DTT2G | NCS2002SN1T1G |
| 7SB384DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| 7SB385DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1G125DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1G126DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1G132DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1G135DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT00DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT02DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT04DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT08DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT125DT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT126DT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT14DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT32DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |

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|---|---|
| M74VHC1GT50DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT86DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GU04DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G00DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G02DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G04DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G08DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G14DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G14DTT1GH | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G32DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1GU04DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G00DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G01DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G02DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G03DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G04DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G04DTT1H | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G05DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G07DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G08DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G08DTT1H | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G09DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G14DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G32DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G50DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G86DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G86DTT1H | NCV551SN30T1G & NLV7SB3257DTT1G |
| N24C02UDTG | NLV7WBD3125USG & N24C64UVTG |
| N24C04UDTG | NLV7WBD3125USG & N24C64UVTG |
| N24C08UDTG | NLV7WBD3125USG & N24C64UVTG |
| N24C16UDTG | NLV7WBD3125USG & N24C64UVTG |
| N24C32UDTG | NLV7WBD3125USG & N24C64UVTG |
| N24C64UDTG | NLV7WBD3125USG & N24C64UVTG |
| NL17SZ125DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| NL17SZ126DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |

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|---|---|
| NL17SZ74USGH | NLV7WBD3125USG & N24C64UVTG |
| NL17VHC1G07DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| NL27WZ00USH | NLV7WBD3125USG & N24C64UVTG |
| NL27WZ02USGH | NLV7WBD3125USG & N24C64UVTG |
| NL27WZ04DTT1G | NCS2002SN1T1G |
| NL27WZ06DTT1G | NCS2002SN1T1G |
| NL27WZ07DTT1G | NCS2002SN1T1G |
| NL27WZ125USGH | NLV7WBD3125USG & N24C64UVTG |
| NL27WZ14DTT1G | NCS2002SN1T1G |
| NL27WZ16DTT1G | NCS2002SN1T1G |
| NL27WZ32US | NLV7WBD3125USG & N24C64UVTG |
| NL27WZ32USGH | NLV7WBD3125USG & N24C64UVTG |
| NL27WZU04DTT1G | NCS2002SN1T1G |
| NLVVHC1G00DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| NLVVHC1G14DTT1G | 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.

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# 最終製品 / プロセス変更通知

**文書番号#**：FPCN22523X
**発行日**:07 February 2019

| | |
|---|---|
| **変更件名**: | 製造中止となる現行の非導電性エポキシ Hitachi EN4370K3 の代替として、TSOP5、TSOP6、US8、SC82、および SOT23A デバイスにおいて非導電性エポキシダイ接着剤 ABLESTIK 8900NC を認定。 |
| **初回出荷予定日**: | 14 May 2019 |
| **連絡先情報**: | 現地のオン・セミコンダクター営業所または <pcn.support@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。<br>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。 |
| **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 90 日前に発行されます。<br>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**: | 新たな材料で組み立てられた製品は日付コードで識別されます。 |
| **変更カテゴリ**: | ☐ ウェハファブの変更　☑ アセンブリの変更　☐ 試験の変更　☐ その他 _____ |

**変更サブカテゴリ**:

☐ 製造拠点の追加
☐ 製造拠点の移転
☐ 製造プロセスの変更
☑ 材料の変更
☐ 製品仕様の変更
☐ データシート/製品資料の変更
☐ 出荷/パッケージング/表記
☐ その他 : _____

| | | |
|---|---|---|
| **影響を受ける拠点**: | オン・セミコンダクター拠点:<br>ON Seremban, Malaysia | 外部製造工場 / 下請業者拠点:<br>なし |

**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、非導電性エポキシダイ接着剤 Ablestik 8900NC を認定したことをお客様にお知らせします。エポキシは、現行の非導電性エポキシダイ接着剤 Hitachi EN4370K3 の製造中止に伴い、それに置き換わります。エポキシダイ接着剤 Hitachi EN4370K3 はもはや入手困難なため、FPCN が承認された段階で対象製品はエポキシ Ablestik 8900NC を使用します。

テストの変更はありません。

組み立てにおける、本 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** | 非導電性エポキシ Hitachi EN4370K3 | 非導電性エポキシ Ablestik 8900NC |

今回の変更に伴う製品表示の変更はありません。

**信頼性データの要約:**

**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: 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: NCS2002SN1T1G**
**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: 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 |

## 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: 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 | 認定試験用ビークル |
|---|---|
| 7SB3125DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| 7SB3126DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| 7SB3257DTT1G | NCS2002SN1T1G |
| 7SB3257DTT2G | NCS2002SN1T1G |
| 7SB384DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| 7SB385DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1G125DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1G126DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1G132DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1G135DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT00DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT02DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT04DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT08DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT125DT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT126DT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT14DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT32DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GT50DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |

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| M74VHC1GT86DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| M74VHC1GU04DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G00DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G02DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G04DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G08DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G14DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G14DTT1GH | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1G32DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74HC1GU04DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G00DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G01DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G02DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G03DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G04DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G04DTT1H | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G05DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G07DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G08DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G08DTT1H | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G09DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G14DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G32DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G50DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G86DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| MC74VHC1G86DTT1H | NCV551SN30T1G & NLV7SB3257DTT1G |
| N24C02UDTG | NLV7WBD3125USG & N24C64UVTG |
| N24C04UDTG | NLV7WBD3125USG & N24C64UVTG |
| N24C08UDTG | NLV7WBD3125USG & N24C64UVTG |
| N24C16UDTG | NLV7WBD3125USG & N24C64UVTG |
| N24C32UDTG | NLV7WBD3125USG & N24C64UVTG |
| N24C64UDTG | NLV7WBD3125USG & N24C64UVTG |
| NL17SZ125DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| NL17SZ126DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| NL17SZ74USGH | NLV7WBD3125USG & N24C64UVTG |
| NL17VHC1G07DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| NL27WZ00USH | NLV7WBD3125USG & N24C64UVTG |

| | |
|---|---|
| NL27WZ02USGH | NLV7WBD3125USG & N24C64UVTG |
| NL27WZ04DTT1G | NCS2002SN1T1G |
| NL27WZ06DTT1G | NCS2002SN1T1G |
| NL27WZ07DTT1G | NCS2002SN1T1G |
| NL27WZ125USGH | NLV7WBD3125USG & N24C64UVTG |
| NL27WZ14DTT1G | NCS2002SN1T1G |
| NL27WZ16DTT1G | NCS2002SN1T1G |
| NL27WZ32US | NLV7WBD3125USG & N24C64UVTG |
| NL27WZ32USGH | NLV7WBD3125USG & N24C64UVTG |
| NL27WZU04DTT1G | NCS2002SN1T1G |
| NLVVHC1G00DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |
| NLVVHC1G14DTT1G | NCV551SN30T1G & NLV7SB3257DTT1G |