



|   |  |   |
|---|--|---|
| <b>Title of Change:</b>   | HDG4/ HDG4D Wafer FAB site Transfer from Bucheon, Korea 6" to S. Portland Maine 8".  |   |
| <b>Proposed first ship date:</b>                                  | 29 January 2019  |   |
| <b>Contact information:</b>                                       | Contact your local ON Semiconductor Sales Office or <Sungdae.Shin@onsemi.com>  |   |
| <b>Samples:</b>   | 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.  |   |
| <b>Additional Reliability Data:</b>                               | Contact your local ON Semiconductor Sales Office or <Jacob.Saliba@onsemi.com>  |   |
| <b>Type of notification:</b>                                      | 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> or <Sungdae.Shin@onsemi.com>  |   |
| <b>Change Part Identification:</b>                                | It will be defined by date code and lot code.  |   |
| <b>Change Category:</b>   | <input checked="" type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____  |   |
| <b>Change Sub-Category(s):</b>                                    | <input type="checkbox"/> Manufacturing Site Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change<br><input checked="" type="checkbox"/> Manufacturing Site Transfer <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking<br><input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Other: _____ |   |
| <b>Sites Affected:</b>  | ON Semiconductor Sites:<br>ON Bucheon, Korea<br>ON S. Portland, Maine  | External Foundry/Subcon Sites:<br>None        |
| <b>Description and Purpose:</b>                                   |  |   |
| Only IC for IPM device Transfer FAB site from BK to Maine.        |  |   |
|   | <b>Before Change Description</b>   | <b>After Change Description</b>               |
| <b>FAB Site</b>   | BK 6inch site  | S.Portland, Maine 8inch Site<br>BK 6inch site |
| There are no product material changes as a result of this change. |  |   |
| There is no product marking change as a result of this change.    |  |   |

**Reliability Data Summary:****QV DEVICE NAME: FAN73894MX****RMS: 48010, 50131, 51087****PACKAGE: SOICW28**

| Test     | Specification       | Condition                          | Interval | Results |
|----------|---------------------|------------------------------------|----------|---------|
| HTOL     | JESD22-A108         | Ta=125°C, 100 % max rated Vcc      | 1008 hrs | 0/231   |
| HTSL     | JESD22-A103         | Ta= 150°C                          | 1008 hrs | 0/231   |
| TC-PC    | JESD22-A104         | Ta= -55°C to +150°C                | 500 cyc  | 0/231   |
| HAST-PC  | JESD22-A110         | 110°C, 85% RH, 18.8psig, 100V bias | 264 hrs  | 0/231   |
| uHAST-PC | JESD22-A118         | 130°C, 85% RH, 18.8psig, unbiased  | 96 hrs   | 0/231   |
| PC       | J-STD-020 JESD-A113 | MSL 3 @ 260 °C                     |          | 0/693   |
| RSH      | JESD22- B106        | Ta = 265C, 10 sec                  |          | 0/40    |

**QV DEVICE NAME: FSFR2100XS****RMS: 48005****PACKAGE: SIP9**

| Test  | Specification | Condition                                   | Interval | Results |
|-------|---------------|---|----------|---------|
| HTOL  | JESD22-A108   | Ta=83°C, Tjmax=120C,<br>100 % max rated Vcc | 1008 hrs | 0/231   |
| HTSL  | JESD22-A103   | Ta= 150°C                                   | 1008 hrs | 0/231   |
| TC    | JESD22-A104   | Ta= -55°C to +150°C                         | 500 cyc  | 0/231   |
| HAST  | JESD22-A110   | 110°C, 85% RH, 18.8psig, 100V bias          | 628 hrs  | 0/231   |
| uHAST | JESD22-A118   | 130°C, 85% RH, 18.8psig, unbiased           | 96 hrs   | 0/231   |
| RSH   | JESD22- B106  | Ta = 265C, 10 sec                           |          | 0/40    |

**Electrical Characteristic Summary:**

Electrical characteristics are not impacted.

**List of Affected Parts:**

| Part Number | Qualification Vehicle  |
|-------------|------------------------|
| FSB50550AB  | FSFR2100XS, FAN73894MX |
| FNA41560B2  | FSFR2100XS, FAN73894MX |
| FSB50450AS  | FSFR2100XS, FAN73894MX |
| FNC42060F2  | FSFR2100XS, FAN73894MX |
| FSB50550AS  | FSFR2100XS, FAN73894MX |
| FSB50550A   | FSFR2100XS, FAN73894MX |
| FSB70250    | FSFR2100XS, FAN73894MX |
| FNA41560T2  | FSFR2100XS, FAN73894MX |
| FNA41560B5  | FSFR2100XS, FAN73894MX |



| Part Number | Qualification Vehicle  |
|-------------|------------------------|
| FSB50550ASE | FSFR2100XS, FAN73894MX |
| FNB33060T   | FSFR2100XS, FAN73894MX |
| FNB40560    | FSFR2100XS, FAN73894MX |
| FNA25060    | FSFR2100XS, FAN73894MX |
| FSB50825AB  | FSFR2100XS, FAN73894MX |
| FNE41060    | FSFR2100XS, FAN73894MX |
| FSB50325AP  | FSFR2100XS, FAN73894MX |
| FBA42060B5  | FSFR2100XS, FAN73894MX |
| FSB50550AT  | FSFR2100XS, FAN73894MX |
| FNB41560    | FSFR2100XS, FAN73894MX |
| FNB33060T6S | FSFR2100XS, FAN73894MX |
| FSB50250AS  | FSFR2100XS, FAN73894MX |
| FNB41060    | FSFR2100XS, FAN73894MX |
| FSB50450A   | FSFR2100XS, FAN73894MX |
| FSB50325A   | FSFR2100XS, FAN73894MX |
| FSB50250A   | FSFR2100XS, FAN73894MX |
| FNA41060B2  | FSFR2100XS, FAN73894MX |
| FNA41560    | FSFR2100XS, FAN73894MX |
| FNC42060F   | FSFR2100XS, FAN73894MX |
| FNC42060F5  | FSFR2100XS, FAN73894MX |
| FSB50250AP  | FSFR2100XS, FAN73894MX |
| FSB50250AT  | FSFR2100XS, FAN73894MX |
| FSB50550B   | FSFR2100XS, FAN73894MX |
| FSB50825A   | FSFR2100XS, FAN73894MX |
| FSB50825AS  | FSFR2100XS, FAN73894MX |
| FSB50825AT  | FSFR2100XS, FAN73894MX |
| FSB50450BS  | FSFR2100XS, FAN73894MX |
| FSB50550US  | FSFR2100XS, FAN73894MX |

**NOTE:**

Please be informed that there are Customer Specific parts impacted by this notice, thus MPN & CPN info will not be reflected in the parts list of this Generic document. Instead please click the link to the addendum copy provided in the email notification to see full list of affected products specific to your company.

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。



|  |  |   |
|--|--|---|
| 変更件名:  | HDG4/ HDG4D ウエハ製造拠点のブチョン(韓国) 6 インチから サウスポートランド(US、メイン州) 8 インチへの移管  |   |
| 初回出荷予定日:   | 29 January 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 <Sungdae.Shin@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、または最終 PCN の日付から 30 日以内に要求してください。  |   |
| その他の信頼性データ:  | 現地のオン・セミコンダクター営業所または <Jacob.Saliba@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> または <Sungdae.Shin@onsemi.com> をお願いします。  |   |
| 変更部品の識別:   | これは日付コードとロットコードにより識別されます。  |   |
| 変更カテゴリ:  | <input checked="" type="checkbox"/> ウェハファブの変更 <input type="checkbox"/> アセンブリの変更 <input type="checkbox"/> 試験の変更 <input type="checkbox"/> その他 _____  |   |
| 変更サブカテゴリ:  | <input type="checkbox"/> 製造拠点の追加 <input type="checkbox"/> 材料の変更 <input type="checkbox"/> データシート/製品資料の変更<br><input checked="" type="checkbox"/> 製造拠点の移転 <input type="checkbox"/> 製品仕様の変更 <input type="checkbox"/> 出荷/パッケージング/表記<br><input type="checkbox"/> 製造プロセスの変更 <input type="checkbox"/> その他: _____ |   |
| 影響を受ける拠点:  | オン・セミコンダクター拠点:<br>オン・ブチョン(韓国)<br>オン・サウスポートランド(メイン州)  | 外部製造工場 / 下請け業者拠点:<br>なし                     |
| 説明および目的:<br>IPM デバイスの IC についてのみ、製造拠点をブチョン(韓国)からメイン州に移管します。 |  |   |
|  | <b>変更前の表記</b>  | <b>変更後の表記</b>                               |
| 製造拠点   | ブチョン(韓国) 6 インチ拠点   | サウスポートランド(メイン州) 8 インチ拠点<br>ブチョン(韓国) 6 インチ拠点 |
| 今回の変更に伴う製品材料の変更はありません。                                     |  |   |
| 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:

QV 素子名: FAN73894MX

RMS: 48010、50131、51087

パッケージ: SOICW28

| テスト      | 仕様                  | 条件                                 | 間隔       | 結果    |
|----------|---------------------|------------------------------------|----------|-------|
| HTOL     | JESD22-A108         | Ta=125°C, 100 % max rated Vcc      | 1008 hrs | 0/231 |
| HTSL     | JESD22-A103         | Ta= 150°C                          | 1008 hrs | 0/231 |
| TC-PC    | JESD22-A104         | Ta= -55°C to +150°C                | 500 cyc  | 0/231 |
| HAST-PC  | JESD22-A110         | 110°C, 85% RH, 18.8psig, 100V bias | 264 hrs  | 0/231 |
| uHAST-PC | JESD22-A118         | 130°C, 85% RH, 18.8psig, unbiased  | 96 hrs   | 0/231 |
| PC       | J-STD-020 JESD-A113 | MSL 3 @ 260 °C                     |          | 0/693 |
| RSH      | JESD22- B106        | Ta = 265C, 10 sec                  |          | 0/40  |

QV 素子名: FSFR2100XS

RMS: 48005

パッケージ: SIP9

| テスト   | 仕様           | 条件  | 間隔       | 結果    |
|-------|--------------|---|----------|-------|
| HTOL  | JESD22-A108  | Ta=83°C, Tjmax=120C,<br>100 % max rated Vcc | 1008 hrs | 0/231 |
| HTSL  | JESD22-A103  | Ta= 150°C                                   | 1008 hrs | 0/231 |
| TC    | JESD22-A104  | Ta= -55°C to +150°C                         | 500 cyc  | 0/231 |
| HAST  | JESD22-A110  | 110°C, 85% RH, 18.8psig, 100V bias          | 628 hrs  | 0/231 |
| uHAST | JESD22-A118  | 130°C, 85% RH, 18.8psig, unbiased           | 96 hrs   | 0/231 |
| RSH   | JESD22- B106 | Ta = 265C, 10 sec                           |          | 0/40  |

## 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:

| 部品番号       | 品質試験用ピークル              |
|------------|------------------------|
| FSB50550AB | FSFR2100XS, FAN73894MX |
| FNA41560B2 | FSFR2100XS, FAN73894MX |
| FSB50450AS | FSFR2100XS, FAN73894MX |
| FNC42060F2 | FSFR2100XS, FAN73894MX |
| FSB50550AS | FSFR2100XS, FAN73894MX |
| FSB50550A  | FSFR2100XS, FAN73894MX |
| FSB70250   | FSFR2100XS, FAN73894MX |
| FNA41560T2 | FSFR2100XS, FAN73894MX |
| FNA41560B5 | FSFR2100XS, FAN73894MX |



| 部品番号        | 品質試験用ピークル              |
|-------------|------------------------|
| FSB50550ASE | FSFR2100XS, FAN73894MX |
| FNB33060T   | FSFR2100XS, FAN73894MX |
| FNB40560    | FSFR2100XS, FAN73894MX |
| FNA25060    | FSFR2100XS, FAN73894MX |
| FSB50825AB  | FSFR2100XS, FAN73894MX |
| FNE41060    | FSFR2100XS, FAN73894MX |
| FSB50325AP  | FSFR2100XS, FAN73894MX |
| FBA42060B5  | FSFR2100XS, FAN73894MX |
| FSB50550AT  | FSFR2100XS, FAN73894MX |
| FNB41560    | FSFR2100XS, FAN73894MX |
| FNB33060T6S | FSFR2100XS, FAN73894MX |
| FSB50250AS  | FSFR2100XS, FAN73894MX |
| FNB41060    | FSFR2100XS, FAN73894MX |
| FSB50450A   | FSFR2100XS, FAN73894MX |
| FSB50325A   | FSFR2100XS, FAN73894MX |
| FSB50250A   | FSFR2100XS, FAN73894MX |
| FNA41060B2  | FSFR2100XS, FAN73894MX |
| FNA41560    | FSFR2100XS, FAN73894MX |
| FNC42060F   | FSFR2100XS, FAN73894MX |
| FNC42060F5  | FSFR2100XS, FAN73894MX |
| FSB50250AP  | FSFR2100XS, FAN73894MX |
| FSB50250AT  | FSFR2100XS, FAN73894MX |
| FSB50550B   | FSFR2100XS, FAN73894MX |
| FSB50825A   | FSFR2100XS, FAN73894MX |
| FSB50825AS  | FSFR2100XS, FAN73894MX |
| FSB50825AT  | FSFR2100XS, FAN73894MX |
| FSB50450BS  | FSFR2100XS, FAN73894MX |
| FSB50550US  | FSFR2100XS, FAN73894MX |

注:  
 本通知により影響を受ける顧客特定部品があるため、MPN および CPN 情報は本一般文書の部品リストに反映していないことにご留意ください。代わりに、特に御社に影響する製品の全リストを閲覧するには、電子メール通知で提供される補遺コピーへのリンクをクリックしてください。

**Appendix A: Changed Products**

| Product     | Customer Part Number | Qualification Vehicle     |
|-------------|----------------------|---------------------------|
| FNA25060    |                      | FSFR2100XS,<br>FAN73894MX |
| FNA41060B2  |                      | FSFR2100XS,<br>FAN73894MX |
| FNA41560    |                      | FSFR2100XS,<br>FAN73894MX |
| FNA41560B2  |                      | FSFR2100XS,<br>FAN73894MX |
| FNA41560T2  |                      | FSFR2100XS,<br>FAN73894MX |
| FNB33060T   |                      | FSFR2100XS,<br>FAN73894MX |
| FNB40560    |                      | FSFR2100XS,<br>FAN73894MX |
| FNB41060    |                      | FSFR2100XS,<br>FAN73894MX |
| FNB41560    |                      | FSFR2100XS,<br>FAN73894MX |
| FNC42060F   |                      | FSFR2100XS,<br>FAN73894MX |
| FNC42060F2  |                      | FSFR2100XS,<br>FAN73894MX |
| FNE41060    |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50250A   |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50250AS  |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50250AT  |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50325A   |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50450A   |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50450AS  |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50450BS  |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50550A   |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50550AB  |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50550AS  |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50550ASE |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50550AT  |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50550B   |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50550US  |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50825A   |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50825AB  |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50825AS  |                      | FSFR2100XS,<br>FAN73894MX |
| FSB50825AT  |                      | FSFR2100XS,<br>FAN73894MX |
| FSB70250    |                      | FSFR2100XS,<br>FAN73894MX |