



| | | |
|---|--|---------------------------------|
| Title of Change: | Bonding wire and mold compound conversion for SOD123 Switching, Schottky and Zener diodes. Bonding wire from 0.8 mil Au wire to 0.8mil Pd doped Cu wire; Mold compound from Hitachi GE200F to Hysol GR640HV. | |
| Proposed Changed Material First Ship Date: | 22 Feb 2022 or earlier if approved by customer | |
| Current Material Last Order Date: | 21 Oct 2021 <i>Orders received after the Current Material Last Order Date expiration are to be considered as orders for new changed material as described in this PCN. Orders for current (unchanged) material after this date will be per mutual agreement and current material inventory availability.</i> | |
| Current Material Last Delivery Date: | 21 Feb 2022 <i>The Current Material Last Delivery Date may be subject to change based on build and depletion of the current (unchanged) material inventory</i> | |
| Product Category: | Active components – Discrete components | |
| Contact information: | Contact your local ON Semiconductor Sales Office or riven.yang@onsemi.com | |
| PCN Samples Contact: | 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. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements. | |
| Sample Availability Date: | 08 Mar 2021 | |
| PPAP Availability Date: | 08 Mar 2021 | |
| Additional Reliability Data: | Contact your local ON Semiconductor Sales Office or ffvf9f@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 | | |
| Category | Type of Change | |
| Process - Assembly | Change of mold compound, Change of wire bonding | |
| Description and Purpose: | | |
| | Before Change Description | After Change Description |
| Bonding Wire | 0.8 mil Au wire | 0.8 mil Pd doped wire |
| Mold compound | Hitachi GE200F | Hysol GR640HV |
| There is no product marking change as a result of this change. | | |
| Reason / Motivation for Change: | Process/Materials Change | |
| 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**

Leshan Phoenix Semiconductor, China

External Foundry/Subcon Sites

None

Marking of Parts/ Traceability of Change:

At the expiration of this PCN devices will be assembled with 0.8mil Pd doped Cu wire& Hysol GR640HV compound at ON Semiconductor's existing Leshan facility. Products assembled with 0.8mil Pd doped Cu wire& Hysol GR640HV compound from the ON Semiconductor facility will have a Finish Goods Date Code of WW03' 2022 or greater.

Reliability Data Summary:**QV DEVICE NAME : SMMSD701T1G; SZMMSZ5254ET1G****RMS#: 70379; 70378****PACKAGE: SOD123**

| Test | Specification | Condition | Interval | Result |
|-------|---------------------------------|---|----------|--------|
| HTRB | JESD22-A108 | Ta=Max rate Tj , 100% max rated V | 1008hrs | 0/231 |
| HTGB | JESD22-A108 | Ta=Max rate Tj, 100% max rated Vgss | 1008hrs | 0/231 |
| HTSL | JESD22-A103 | Ta=Max rate storage temp | 2016hrs | 0/231 |
| IOL | MIL-STD-750 (M1037) AEC-Q101 | Ta=+25°C, delta Tj=100°C On/off = 2min | 30000cyc | 0/231 |
| TC | JESD22-A104 | Ta= -55°C to +150°C | 1000cyc | 0/231 |
| HAST | JESD22-A110 | 130°C, 85% RH, 18.8psig, bias | 192hrs | 0/231 |
| uHAST | JESD22-A118 | 130°C, 85% RH, 18.8psig, unbiased | 96hrs | 0/231 |
| PC | J-STD-020 JESD-A113 | MSL 1 @ 260 °C | | 0/924 |
| RSH | JESD22- B106 | Ta = 265C, 10 sec | | 0/30 |
| SD | JSTD002 | Ta = 245C, 5 sec | | 0/30 |

QV DEVICE NAME: SMMSD103T1G**RMS#: 70381****PACKAGE: SOD123**

| Test | Specification | Condition | Interval | Result |
|------|---------------|-----------------------------------|----------|--------|
| HTRB | JESD22-A108 | Ta=Max rate Tj , 100% max rated V | 1008hrs | 0/231 |

NOTE: AEC-1pager is 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.

Electrical Characteristics Summary:

Three temperature characterization and ESD performance meet datasheet specification. Electrical characterization result is available upon request.

**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 |
|---------------------|-----------------|--|
| SMMSD914T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD4148T3G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD103T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD4148T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD914T3G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD301T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD701T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5245CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5248CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5250CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5252CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5256CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ22V4T3G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5226CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4689ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4688T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| S1ZMMSZ5V1T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4689T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4690T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ6V8T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5231CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5232CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ5252BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5248BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ5254BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ5252ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5254ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5250ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5242ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5244ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |



| | | |
|----------------|-----|--|
| SMMSZ4701T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4704T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5250BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ5260BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ5256BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4698T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ4698T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4711T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ4711T3G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4713T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5243BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5249BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ4714T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |

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 : FPCN23354Z

発行日 : 22 Feb 2021

| 変更件名: | SOD123 スイッチング/ショットキー/ツェナーダイオードのボンディングワイヤおよびモールドコンパウンドの変更。ボンディングワイヤを 0.8 mil 金ワイヤ から 0.8 mil パラジウムドープ銅ワイヤに変更。モールドコンパウンドを Hitachi GE200F から Hysol GR640HV に変更。 | | | | | | | | | | |
|---------------------------|--|-----------------------|--|--------|--------|--------|-----------------|-----------------------|-------------|----------------|---------------|
| 初回出荷予定日: | 22 Feb 2022 またはお客様からの承認が得られた場合はそれ以前 | | | | | | | | | | |
| 現在の材料の最終注文日: | 21 Oct 2021 既存品の最終注文日以降の注文は、この PCN に記載されている変更後品の注文とみなされます。この日付より後の既存品(変更前品)の注文は、相互契約により変更前品の在庫状況に応じて履行されます。 | | | | | | | | | | |
| 現在の材料の最終出荷日: | 21 Feb 2022 既存品(変更前品)の最終出荷日は、変更前品の製造および在庫の状況によって変更されることがあります。 | | | | | | | | | | |
| 製品カテゴリ: | アクティブなコンポーネント - 個別コンポーネント | | | | | | | | | | |
| 連絡先情報: | 現地のオン・セミコンダクター営業所または riven.yang@onsemi.com にお問い合わせください。 | | | | | | | | | | |
| サンプル: | サンプルの注文または PCN.samples@onsemi.com を注文するには、お近くの ON Semiconductor 営業所にお問い合わせください。 サンプルのリクエストは、この変更通知の公開後 45 日以内に提出してください。 サンプルの納品時期は、リクエスト日、サンプル数量、特別なお客様の梱包/ラベルの要件に従います。 | | | | | | | | | | |
| サンプル提供開始可能日: | 08 Mar 2021 | | | | | | | | | | |
| PPAP 提供開始日: | 08 Mar 2021 | | | | | | | | | | |
| 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 ffvf9f@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 をお願いします。 | | | | | | | | | | |
| 変更カテゴリ: | 変更種別 | | | | | | | | | | |
| プロセス - 組立 | モールドコンパウンドの変更 ワイヤ ボンディングの変更 | | | | | | | | | | |
| 説明および目的: | <table border="1"> <thead> <tr> <th></th> <th>変更前の表記</th> <th>変更後の表記</th> </tr> </thead> <tbody> <tr> <td>ボンドワイヤ</td> <td>0.8 mil Au wire</td> <td>0.8 mil Pd doped wire</td> </tr> <tr> <td>モールド・コンパウンド</td> <td>Hitachi GE200F</td> <td>Hysol GR640HV</td> </tr> </tbody> </table> | | | 変更前の表記 | 変更後の表記 | ボンドワイヤ | 0.8 mil Au wire | 0.8 mil Pd doped wire | モールド・コンパウンド | Hitachi GE200F | Hysol GR640HV |
| | 変更前の表記 | 変更後の表記 | | | | | | | | | |
| ボンドワイヤ | 0.8 mil Au wire | 0.8 mil Pd doped wire | | | | | | | | | |
| モールド・コンパウンド | Hitachi GE200F | Hysol GR640HV | | | | | | | | | |
| 今回の変更に伴う製品マーキングの変更はありません。 | | | | | | | | | | | |



最終製品 / プロセス変更通知

文書番号# : FPCN23354Z

発行日 : 22 Feb 2021

| 変更の理由 / 動機: | | プロセス/材料の変更 | | | |
|---|------------------------------------|---|------------------|-------|--|
| 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 | | 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。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: | | | 外部製造工場 / 下請業者拠点: | | |
| Leshan Phoenix Semiconductor, China | | | なし | | |
| 製品のマーキング / 変更の追跡可能性: | | 本 PCN の期限切れに伴い、オン・セミコンダクターの乐山工場にて 0.8 mil パラジウムドープ銅ワイヤ およびモールドコンパウンド Hysol GR640HV を使用して製品が組み立てられるようになります。オン・セミコンダクター工場において 0.8 mil パラジウムドープ銅ワイヤおよびモールドコンパウンド Hysol GR640HV を使用して組み立てられた製品は 2022 年 3 週以降の完成品日付コードが付与されます。 | | | |
| 信頼性データの要約: | | | | | |
| デバイス名: SMMSD701T1G; SZMMSZ5254ET1G | | | | | |
| RMS : 70379; 70378 | | | | | |
| パッケージ : SOD123 | | | | | |
| テスト | 仕様 | 条件 | 間隔 | 結果 | |
| HTRB | JESD22-A108 | Ta=Max rate Tj, 100% max rated V | 1008hrs | 0/231 | |
| HTGB | JESD22-A108 | Ta=Max rate Tj, 100% max rated Vgss | 1008hrs | 0/231 | |
| HTSL | JESD22-A103 | Ta=Max rate storage temp | 2016hrs | 0/231 | |
| IOL | MIL-STD-750 (M1037) AEC-Q101 | Ta=+25°C, delta Tj=100°C On/off = 2min | 30000cyc | 0/231 | |
| TC | JESD22-A104 | Ta= -55°C to +150°C | 1000cyc | 0/231 | |
| HAST | JESD22-A110 | 130°C, 85% RH, 18.8psig, bias | 192hrs | 0/231 | |
| uHAST | JESD22-A118 | 130°C, 85% RH, 18.8psig, unbiased | 96hrs | 0/231 | |
| PC | J-STD-020 JESD-A113 | MSL 1 @ 260 °C | | 0/924 | |
| RSH | JESD22- B106 | Ta = 265C, 10 sec | | 0/30 | |
| SD | JSTD002 | Ta = 245C, 5 sec | | 0/30 | |
| デバイス名: SMMSD103T1G | | | | | |
| RMS : 70381 | | | | | |
| パッケージ : SOD123 | | | | | |
| テスト | 仕様 | 条件 | 間隔 | 結果 | |
| HTRB | JESD22-A108 | Ta=Max rate Tj, 100% max rated V | 1008hrs | 0/231 | |
| 注: AEC-1 ページャーが付属しています | | | | | |
| 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 | | | | | |



電氣的特性の要約:

3 温度特性評価と ESD 性能はデータシート規格に適合します。電氣的特性評価結果は、ご要望に応じて提供いたします。

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 | 認定試験用ピークル |
|----------------|-------|--|
| SMMSD914T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD4148T3G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD103T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD4148T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD914T3G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD301T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSD701T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5245CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5248CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5250CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5252CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5256CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ2V4T3G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5226CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4689ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4688T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| S1ZMMSZ5V1T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4689T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4690T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ6V8T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5231CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5232CT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ5252BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5248BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ5254BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ5252ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5254ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |



| | | |
|----------------|-----|--|
| SZMMSZ5250ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5242ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5244ET1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4701T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4704T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5250BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ5260BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ5256BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4698T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ4698T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4711T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ4711T3G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SMMSZ4713T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5243BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ5249BT1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |
| SZMMSZ4714T1G | N/A | SMMSD701T1G;SZMMSZ5254ET1G;SMMSD103T1G |



Appendix A: Changed Products

| Product | Customer Part Number | Qualification Vehicle | New Part Number | Replacement Supplier |
|----------------|----------------------|-----------------------------|-----------------|----------------------|
| SMMSD914T1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SMMSD4148T3G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SMMSD103T1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SMMSD4148T1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SMMSD301T1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SMMSD701T1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SMMSZ4689ET1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SMMSZ4688T1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SZMMSZ6V8T1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SZMMSZ5248BT1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SZMMSZ5250ET1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SZMMSZ5242ET1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SZMMSZ5250BT1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SMMSZ5260BT1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SZMMSZ4698T1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SZMMSZ5243BT1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |
| SZMMSZ4714T1G | | SMMSD701T1G;SZMMSZ5254ET1G; | SMMSD103T1G | |