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| Title of Change: | Add Sumitomo mold compound E500 LL for SOT-23 industrial part. | |
| Proposed First Ship date: | 10 Aug 2020 or earlier if approved by customer | |
| Contact Information: | Contact your local ON Semiconductor Sales Office or Jim.Peng@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 ffvf9f@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: | Assembly Lot Number | |
| Change Category: | Assembly Change | |
| Change Sub-Category(s): | Material Change | |
| Sites Affected: | | |
| ON Semiconductor Sites | External Foundry/Subcon Sites | |
| Leshan Phoenix Semiconductor, China | None | |
| Description and Purpose: | | |
| <p>Upon the expiration of this PCN, these devices will be built with 3 mold compounds at the same site. Datasheet specifications and product electrical performance remain unchanged. Reliability qualification and full electrical characterization over temperature had been performed. The purpose of this change is to add new mold compound as second source. There is no part number and product marking change as a result of this change.</p> | | |
| Material to be change | Before Change Description | After Change Description |
| Mold Compound | Henkel GR640 HV Hitachi GE200 FHWG | Henkel GR640 HV Hitachi GE200 FHWG Sumitomo E500 LL |

**Reliability Data Summary:**

Qual Vehicle Device: MMBZ5270BLT1G

RMS: 54669, 55602

Package: SOT-23

| Test | Specification | Condition | Interval | Results |
|-------|----------------------------------|---|----------------------------------|---------|
| HTRB | JESD22-A108 | Tj= max, V=100% rated V | 1008 hrs | 0/231 |
| HTSL | JEDS22- A103 | Temp.=150°C,no bias | 1008 hrs | 0/231 |
| SSOP | AEC-Q101-REV-D1 (JESD22-A108) | IZ max, Ta to rated Tj | 1008 hrs | 0/231 |
| PC | JESD22-A113 | MSL 1 @ 260 °C | Before H3TRB, TC, UHAST, AC, IOL | 0/924 |
| H3TRB | JESD22-A101 | Temp = 85C, RH=85%, bias = 80% of rated V or 100V max | 1008 hrs | 0/231 |
| TC | JESD22-A104 | Ta= - 65°C to +150°C | 1000 cyc | 0/231 |
| UHAST | JESD22-A118 | Ta=130C, 85% RH, no bias | 96 hrs | 0/231 |
| IOL | MIL-STD-750 | Ta=+25°C, delta Tj=100°C, On/off = 2 min | 15000 cycs | 0/231 |
| RSH | JESD22-B106 | Ta = 265C, 10 sec | - | 0/30 |

Qual Vehicle Device: MMBZ47VALT1G

RMS: 54673

Package: SOT-23

| Test | Specification | Condition | Interval | Results |
|------|---------------|-----------------------------------|----------|---------|
| HTRB | JESD22-A108 | Tj= max, V=100% rated V, 1008 Hrs | 1008hrs | 0/231 |

Electrical Characteristics 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 |
|---------------|-----------------------|
| MMBZ39VCLT1G | MMBZ47VALT1G |
| MMBZ39VCLT3G | MMBZ47VALT1G |
| MMBZ5256ELT1G | MMBZ5270BLT1G |
| MMBZ5263BLT1G | MMBZ5270BLT1G |
| MMBZ5268BLT1G | MMBZ5270BLT1G |
| MMBZ5270BLT1G | MMBZ5270BLT1G |
| MMBZ6V2ALT1G | MMBZ47VALT1G |
| MMBZ9V1ALT1G | MMBZ47VALT1G |
| NUP1105LT1G | MMBZ47VALT1G |



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|---------------|---------------|
| NUP1301ML3T1G | MMBZ47VALT1G |
| NUP2105LT1G | MMBZ47VALT1G |
| NUP2115LT1G | MMBZ47VALT1G |
| NUP2115LT3G | MMBZ47VALT1G |
| BZX84B10LT1G | MMBZ5270BLT1G |
| BZX84B12LT1G | MMBZ5270BLT1G |
| BZX84B15LT1G | MMBZ5270BLT1G |
| BZX84B16LT1G | MMBZ5270BLT1G |
| BZX84B18LT1G | MMBZ5270BLT1G |
| BZX84B22LT1G | MMBZ5270BLT1G |
| BZX84B24LT1G | MMBZ5270BLT1G |
| BZX84B27LT1G | MMBZ5270BLT1G |
| BZX84B3V3LT1G | MMBZ5270BLT1G |
| BZX84B4V7LT1G | MMBZ5270BLT1G |
| BZX84B5V1LT1G | MMBZ5270BLT1G |
| BZX84B5V6LT1G | MMBZ5270BLT1G |
| BZX84B6V2LT1G | MMBZ5270BLT1G |
| BZX84B6V8LT1G | MMBZ5270BLT1G |
| BZX84B7V5LT1G | MMBZ5270BLT1G |
| BZX84B8V2LT1G | MMBZ5270BLT1G |
| BZX84B9V1LT1G | MMBZ5270BLT1G |
| BZX84C10LT1G | MMBZ5270BLT1G |
| BZX84C11LT1G | MMBZ5270BLT1G |
| BZX84C12LT1G | MMBZ5270BLT1G |
| BZX84C13LT1G | MMBZ5270BLT1G |
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| BZX84C15LT3G | MMBZ5270BLT1G |
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| BZX84C18LT3G | MMBZ5270BLT1G |
| BZX84C20LT1G | MMBZ5270BLT1G |
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| BZX84C24LT1G | MMBZ5270BLT1G |
| BZX84C27LT1G | MMBZ5270BLT1G |
| BZX84C2V4LT1G | MMBZ5270BLT1G |
| BZX84C2V7LT1G | MMBZ5270BLT1G |



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|---------------|---------------|
| BZX84C30LT1G | MMBZ5270BLT1G |
| BZX84C33LT1G | MMBZ5270BLT1G |
| BZX84C33LT3G | MMBZ5270BLT1G |
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| BZX84C3V3LT1G | MMBZ5270BLT1G |
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| BZX84C56LT1G | MMBZ5270BLT1G |
| BZX84C5V1LT1G | MMBZ5270BLT1G |
| BZX84C5V1LT3G | MMBZ5270BLT1G |
| BZX84C5V6ET3G | MMBZ5270BLT1G |
| BZX84C5V6LT1G | MMBZ5270BLT1G |
| BZX84C5V6LT3G | MMBZ5270BLT1G |
| BZX84C62LT1G | MMBZ5270BLT1G |
| BZX84C68LT1G | MMBZ5270BLT1G |
| BZX84C6V2ET1G | MMBZ5270BLT1G |
| BZX84C6V2LT1G | MMBZ5270BLT1G |
| BZX84C6V2LT3G | MMBZ5270BLT1G |
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| BZX84C6V8LT3G | MMBZ5270BLT1G |
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| BZX84C7V5LT1G | MMBZ5270BLT1G |
| BZX84C8V2LT1G | MMBZ5270BLT1G |
| BZX84C9V1LT1G | MMBZ5270BLT1G |
| BZX84C9V1LT3G | MMBZ5270BLT1G |
| ESDONCAN1LT1G | MMBZ47VALT1G |
| ESDONCAN1LT3G | MMBZ47VALT1G |



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|---------------|---------------|
| MA3075WALT1G | MMBZ47VALT1G |
| MMBZ12VALT1G | MMBZ47VALT1G |
| MMBZ15VALT1G | MMBZ47VALT1G |
| MMBZ15VDLT1G | MMBZ47VALT1G |
| MMBZ15VDLT3G | MMBZ47VALT1G |
| MMBZ16VALT1G | MMBZ47VALT1G |
| MMBZ16VTALT1G | MMBZ47VALT1G |
| MMBZ18VALT1G | MMBZ47VALT1G |
| MMBZ20VALT1G | MMBZ47VALT1G |
| MMBZ27VALT1G | MMBZ47VALT1G |
| MMBZ27VALT3G | MMBZ47VALT1G |
| MMBZ27VCLT1G | MMBZ47VALT1G |
| MMBZ33VALT1G | MMBZ47VALT1G |
| MMBZ47VALT1G | MMBZ47VALT1G |
| MMBZ47VTALT1G | MMBZ47VALT1G |
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| MMBZ5222BLT1G | MMBZ5270BLT1G |
| MMBZ5223BLT1G | MMBZ5270BLT1G |
| MMBZ5225BLT1G | MMBZ5270BLT1G |
| MMBZ5226BLT1G | MMBZ5270BLT1G |
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| MMBZ5230BLT1G | MMBZ5270BLT1G |
| MMBZ5231BLT1G | MMBZ5270BLT1G |
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| MMBZ5236BLT1G | MMBZ5270BLT1G |
| MMBZ5237BLT1G | MMBZ5270BLT1G |
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| MMBZ5239BLT1G | MMBZ5270BLT1G |
| MMBZ5239ELT1G | MMBZ5270BLT1G |



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| MMBZ5240BLT1G | MMBZ5270BLT1G |
| MMBZ5241BLT1G | MMBZ5270BLT1G |
| MMBZ5242BLT1G | MMBZ5270BLT1G |
| MMBZ5242BLT3G | MMBZ5270BLT1G |
| MMBZ5242ELT1G | MMBZ5270BLT1G |
| MMBZ5243BLT1G | MMBZ5270BLT1G |
| MMBZ5244BLT1G | MMBZ5270BLT1G |
| MMBZ5245BLT1G | MMBZ5270BLT1G |
| MMBZ5245ELT1G | MMBZ5270BLT1G |
| MMBZ5246BLT1G | MMBZ5270BLT1G |
| MMBZ5247BLT1G | MMBZ5270BLT1G |
| MMBZ5248BLT1G | MMBZ5270BLT1G |
| MMBZ5248BLT3G | MMBZ5270BLT1G |
| MMBZ5248ELT1G | MMBZ5270BLT1G |
| MMBZ5249BLT1G | MMBZ5270BLT1G |
| MMBZ5250BLT1G | MMBZ5270BLT1G |
| MMBZ5251BLT1G | MMBZ5270BLT1G |
| MMBZ5252BLT1G | MMBZ5270BLT1G |
| MMBZ5253BLT1G | MMBZ5270BLT1G |
| MMBZ5254BLT1G | MMBZ5270BLT1G |
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| MMBZ5258BLT1G | MMBZ5270BLT1G |
| MMBZ5259BLT1G | MMBZ5270BLT1G |
| MMBZ5260BLT1G | MMBZ5270BLT1G |
| MMBZ5261BLT1G | MMBZ5270BLT1G |
| MMBZ5261ELT1G | MMBZ5270BLT1G |
| NUP3105LT1G | MMBZ47VALT1G |
| NUP3105LT3G | MMBZ47VALT1G |
| PACDN042Y3R | MMBZ47VALT1G |
| SL05T1G | MMBZ47VALT1G |
| SL12T1G | MMBZ47VALT1G |
| SL15T1G | MMBZ47VALT1G |
| SL24T1G | MMBZ47VALT1G |
| SM05T1G | MMBZ47VALT1G |



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| SM15T1G | MMBZ47VALT1G |
| SM24T1G | MMBZ47VALT1G |
| SM36T1G | MMBZ47VALT1G |

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# : FPCN22769XB

発行日: 07 Apr 2020

| | | |
|--|--|---|
| 変更件名: | SOT-23 産業用製品の代替モールドコンパウンドとして住友製 E500 LL の追加 | |
| 初回出荷予定日: | 10 Aug 2020 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 Jim.Peng@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: | 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 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: | 組立ロット番号 | |
| 変更カテゴリ: | アセンブリの変更 | |
| 変更サブカテゴリ: | 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: | |
| Leshan Phoenix Semiconductor, China | 無し | |
| 説明および目的: | | |
| <p>本 PCN の期限切れに伴い、対象製品は同製造拠点で3種類のモールドコンパウンドにて製造されるようになります。データシート規格および製品の電気的性能に変更はありません。信頼性認定試験および全ての電氣的温度特性評価は実施済みです。</p> <p>この変更の目的は、セカンドソースとして新しいモールドコンパウンドを追加する事です。</p> <p>この変更の結果として、製品名や製品マーキングに変更はありません。</p> | | |
| | 変更前の表記 | 変更後の表記 |
| モールド・コンパウンド | Henkel GR640 HV Hitachi GE200 FHWG | Henkel GR640 HV Hitachi GE200 FHWG Sumitomo E500 LL |



信頼性データの要約:

デバイス名: MMBZ5270BLT1G

RMS: 54669, 55602

パッケージ: SOT-23

| テスト | 仕様 | 条件 | 間隔 | 結果 |
|-------|----------------------------------|---|----------------------------------|-------|
| HTRB | JESD22-A108 | Tj= max, V=100% rated V | 1008 hrs | 0/231 |
| HTSL | JESD22-A103 | Temp.=150°C, no bias | 1008 hrs | 0/231 |
| SSOP | AEC-Q101-REV-D1 (JESD22-A108) | Iz max, Ta to rated Tj | 1008 hrs | 0/231 |
| PC | JESD22-A113 | MSL 1 @ 260 °C | Before H3TRB, TC, UHAST, AC, IOL | 0/924 |
| H3TRB | JESD22-A101 | Temp = 85C, RH=85%, bias = 80% of rated V or 100V max | 1008 hrs | 0/231 |
| TC | JESD22-A104 | Ta= - 65°C to +150°C | 1000 cyc | 0/231 |
| UHAST | JESD22-A118 | Ta=130C, 85% RH, no bias | 96 hrs | 0/231 |
| IOL | MIL-STD-750 | Ta=+25°C, delta Tj=100°C, On/off = 2 min | 15000 cycs | 0/231 |
| RSH | JESD22-B106 | Ta = 265C, 10 sec | - | 0/30 |

デバイス名: MMBZ47VALT1G

RMS: 54673

パッケージ: SOT-23

| テスト | 仕様 | 条件 | 間隔 | 結果 |
|------|-------------|-----------------------------------|---------|-------|
| HTRB | JESD22-A108 | Tj= max, V=100% rated V, 1008 Hrs | 1008hrs | 0/231 |

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 | 認定試験用ピークル |
|---------------|---------------|
| MMBZ39VCLT1G | MMBZ47VALT1G |
| MMBZ39VCLT3G | MMBZ47VALT1G |
| MMBZ5256ELT1G | MMBZ5270BLT1G |
| MMBZ5263BLT1G | MMBZ5270BLT1G |
| MMBZ5268BLT1G | MMBZ5270BLT1G |
| MMBZ5270BLT1G | MMBZ5270BLT1G |
| MMBZ6V2ALT1G | MMBZ47VALT1G |
| MMBZ9V1ALT1G | MMBZ47VALT1G |
| NUP1105LT1G | MMBZ47VALT1G |



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|---------------|---------------|
| NUP1301ML3T1G | MMBZ47VALT1G |
| NUP2105LT1G | MMBZ47VALT1G |
| NUP2115LT1G | MMBZ47VALT1G |
| NUP2115LT3G | MMBZ47VALT1G |
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| BZX84B12LT1G | MMBZ5270BLT1G |
| BZX84B15LT1G | MMBZ5270BLT1G |
| BZX84B16LT1G | MMBZ5270BLT1G |
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| BZX84B27LT1G | MMBZ5270BLT1G |
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| BZX84B4V7LT1G | MMBZ5270BLT1G |
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| BZX84C2V7LT1G | MMBZ5270BLT1G |
| BZX84C30LT1G | MMBZ5270BLT1G |



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| BZX84C6V2ET1G | MMBZ5270BLT1G |
| BZX84C6V2LT1G | MMBZ5270BLT1G |
| BZX84C6V2LT3G | MMBZ5270BLT1G |
| BZX84C6V8LT1G | MMBZ5270BLT1G |
| BZX84C6V8LT3G | MMBZ5270BLT1G |
| BZX84C75LT1G | MMBZ5270BLT1G |
| BZX84C7V5LT1G | MMBZ5270BLT1G |
| BZX84C8V2LT1G | MMBZ5270BLT1G |
| BZX84C9V1LT1G | MMBZ5270BLT1G |
| BZX84C9V1LT3G | MMBZ5270BLT1G |
| ESDONCAN1LT1G | MMBZ47VALT1G |
| ESDONCAN1LT3G | MMBZ47VALT1G |
| MA3075WALT1G | MMBZ47VALT1G |
| MMBZ12VALT1G | MMBZ47VALT1G |



| | |
|---------------|---------------|
| MMBZ15VALT1G | MMBZ47VALT1G |
| MMBZ15VDLT1G | MMBZ47VALT1G |
| MMBZ15VDLT3G | MMBZ47VALT1G |
| MMBZ16VALT1G | MMBZ47VALT1G |
| MMBZ16VTALT1G | MMBZ47VALT1G |
| MMBZ18VALT1G | MMBZ47VALT1G |
| MMBZ20VALT1G | MMBZ47VALT1G |
| MMBZ27VALT1G | MMBZ47VALT1G |
| MMBZ27VALT3G | MMBZ47VALT1G |
| MMBZ27VCLT1G | MMBZ47VALT1G |
| MMBZ33VALT1G | MMBZ47VALT1G |
| MMBZ47VALT1G | MMBZ47VALT1G |
| MMBZ47VTALT1G | MMBZ47VALT1G |
| MMBZ5221BLT1G | MMBZ5270BLT1G |
| MMBZ5222BLT1G | MMBZ5270BLT1G |
| MMBZ5223BLT1G | MMBZ5270BLT1G |
| MMBZ5225BLT1G | MMBZ5270BLT1G |
| MMBZ5226BLT1G | MMBZ5270BLT1G |
| MMBZ5227BLT1G | MMBZ5270BLT1G |
| MMBZ5228BLT1G | MMBZ5270BLT1G |
| MMBZ5229BLT1G | MMBZ5270BLT1G |
| MMBZ5230BLT1G | MMBZ5270BLT1G |
| MMBZ5231BLT1G | MMBZ5270BLT1G |
| MMBZ5231BLT3G | MMBZ5270BLT1G |
| MMBZ5231ELT1G | MMBZ5270BLT1G |
| MMBZ5232BLT1G | MMBZ5270BLT1G |
| MMBZ5233BLT1G | MMBZ5270BLT1G |
| MMBZ5234BLT1G | MMBZ5270BLT1G |
| MMBZ5235BLT1G | MMBZ5270BLT1G |
| MMBZ5236BLT1G | MMBZ5270BLT1G |
| MMBZ5237BLT1G | MMBZ5270BLT1G |
| MMBZ5238BLT1G | MMBZ5270BLT1G |
| MMBZ5239BLT1G | MMBZ5270BLT1G |
| MMBZ5239ELT1G | MMBZ5270BLT1G |
| MMBZ5240BLT1G | MMBZ5270BLT1G |
| MMBZ5241BLT1G | MMBZ5270BLT1G |
| MMBZ5242BLT1G | MMBZ5270BLT1G |



| | |
|---------------|---------------|
| MMBZ5242BLT3G | MMBZ5270BLT1G |
| MMBZ5242ELT1G | MMBZ5270BLT1G |
| MMBZ5243BLT1G | MMBZ5270BLT1G |
| MMBZ5244BLT1G | MMBZ5270BLT1G |
| MMBZ5245BLT1G | MMBZ5270BLT1G |
| MMBZ5245ELT1G | MMBZ5270BLT1G |
| MMBZ5246BLT1G | MMBZ5270BLT1G |
| MMBZ5247BLT1G | MMBZ5270BLT1G |
| MMBZ5248BLT1G | MMBZ5270BLT1G |
| MMBZ5248BLT3G | MMBZ5270BLT1G |
| MMBZ5248ELT1G | MMBZ5270BLT1G |
| MMBZ5249BLT1G | MMBZ5270BLT1G |
| MMBZ5250BLT1G | MMBZ5270BLT1G |
| MMBZ5251BLT1G | MMBZ5270BLT1G |
| MMBZ5252BLT1G | MMBZ5270BLT1G |
| MMBZ5253BLT1G | MMBZ5270BLT1G |
| MMBZ5254BLT1G | MMBZ5270BLT1G |
| MMBZ5255BLT1G | MMBZ5270BLT1G |
| MMBZ5256BLT1G | MMBZ5270BLT1G |
| MMBZ5257BLT1G | MMBZ5270BLT1G |
| MMBZ5258BLT1G | MMBZ5270BLT1G |
| MMBZ5259BLT1G | MMBZ5270BLT1G |
| MMBZ5260BLT1G | MMBZ5270BLT1G |
| MMBZ5261BLT1G | MMBZ5270BLT1G |
| MMBZ5261ELT1G | MMBZ5270BLT1G |
| NUP3105LT1G | MMBZ47VALT1G |
| NUP3105LT3G | MMBZ47VALT1G |
| PACDN042Y3R | MMBZ47VALT1G |
| SL05T1G | MMBZ47VALT1G |
| SL12T1G | MMBZ47VALT1G |
| SL15T1G | MMBZ47VALT1G |
| SL24T1G | MMBZ47VALT1G |
| SM05T1G | MMBZ47VALT1G |
| SM15T1G | MMBZ47VALT1G |
| SM24T1G | MMBZ47VALT1G |
| SM36T1G | MMBZ47VALT1G |



Appendix A: Changed Products

| Product | Customer Part Number | Qualification Vehicle | New Part Number | Replacement Supplier |
|---------------|----------------------|-----------------------|-----------------|----------------------|
| SM36T1G | | MMBZ47VALT1G | | |
| SM24T1G | | MMBZ47VALT1G | | |
| SM15T1G | | MMBZ47VALT1G | | |
| SM05T1G | | MMBZ47VALT1G | | |
| SL24T1G | | MMBZ47VALT1G | | |
| SL15T1G | | MMBZ47VALT1G | | |
| SL12T1G | | MMBZ47VALT1G | | |
| SL05T1G | | MMBZ47VALT1G | | |
| PACDN042Y3R | | MMBZ47VALT1G | | |
| NUP3105LT3G | | MMBZ47VALT1G | | |
| NUP3105LT1G | | MMBZ47VALT1G | | |
| MMBZ5261BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5260BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5259BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5258BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5257BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5256BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5255BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5254BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5253BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5252BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5251BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5250BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5249BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5248ELT1G | | MMBZ5270BLT1G | | |
| MMBZ5248BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5247BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5246BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5245ELT1G | | MMBZ5270BLT1G | | |
| MMBZ5245BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5244BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5243BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5242ELT1G | | MMBZ5270BLT1G | | |
| MMBZ5242BLT3G | | MMBZ5270BLT1G | | |
| MMBZ5242BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5241BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5240BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5239BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5238BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5237BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5236BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5235BLT1G | | MMBZ5270BLT1G | | |



Appendix A: Changed Products

DIKG : DIGI-KEY

| Product | Customer Part Number | Qualification Vehicle | New Part Number | Replacement Supplier |
|---------------|----------------------|-----------------------|-----------------|----------------------|
| MMBZ5234BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5233BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5232BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5231ELT1G | | MMBZ5270BLT1G | | |
| MMBZ5231BLT3G | | MMBZ5270BLT1G | | |
| MMBZ5231BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5230BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5229BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5228BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5227BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5226BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5225BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5223BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5222BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5221BLT1G | | MMBZ5270BLT1G | | |
| MMBZ47VTALT1G | | MMBZ47VALT1G | | |
| MMBZ47VALT1G | | MMBZ47VALT1G | | |
| MMBZ33VALT1G | | MMBZ47VALT1G | | |
| MMBZ27VCLT1G | | MMBZ47VALT1G | | |
| MMBZ27VALT3G | | MMBZ47VALT1G | | |
| MMBZ27VALT1G | | MMBZ47VALT1G | | |
| MMBZ20VALT1G | | MMBZ47VALT1G | | |
| MMBZ18VALT1G | | MMBZ47VALT1G | | |
| MMBZ16VALT1G | | MMBZ47VALT1G | | |
| MMBZ15VDLT3G | | MMBZ47VALT1G | | |
| MMBZ15VDLT1G | | MMBZ47VALT1G | | |
| MMBZ15VALT1G | | MMBZ47VALT1G | | |
| MMBZ12VALT1G | | MMBZ47VALT1G | | |
| MA3075WALT1G | | MMBZ47VALT1G | | |
| ESDONCAN1LT3G | | MMBZ47VALT1G | | |
| ESDONCAN1LT1G | | MMBZ47VALT1G | | |
| BZX84C9V1LT1G | | MMBZ5270BLT1G | | |
| BZX84C8V2LT1G | | MMBZ5270BLT1G | | |
| BZX84C7V5LT1G | | MMBZ5270BLT1G | | |
| BZX84C75LT1G | | MMBZ5270BLT1G | | |
| BZX84C6V8LT1G | | MMBZ5270BLT1G | | |
| BZX84C6V2LT3G | | MMBZ5270BLT1G | | |
| BZX84C6V2LT1G | | MMBZ5270BLT1G | | |
| BZX84C6V2ET1G | | MMBZ5270BLT1G | | |
| BZX84C68LT1G | | MMBZ5270BLT1G | | |
| BZX84C62LT1G | | MMBZ5270BLT1G | | |
| BZX84C5V6LT3G | | MMBZ5270BLT1G | | |



Appendix A: Changed Products

DIKG : DIGI-KEY

| Product | Customer Part Number | Qualification Vehicle | New Part Number | Replacement Supplier |
|---------------|----------------------|-----------------------|-----------------|----------------------|
| BZX84C5V6LT1G | | MMBZ5270BLT1G | | |
| BZX84C5V6ET3G | | MMBZ5270BLT1G | | |
| BZX84C5V1LT3G | | MMBZ5270BLT1G | | |
| BZX84C5V1LT1G | | MMBZ5270BLT1G | | |
| BZX84C56LT1G | | MMBZ5270BLT1G | | |
| BZX84C51LT1G | | MMBZ5270BLT1G | | |
| BZX84C4V7LT3G | | MMBZ5270BLT1G | | |
| BZX84C4V7LT1G | | MMBZ5270BLT1G | | |
| BZX84C4V3LT3G | | MMBZ5270BLT1G | | |
| BZX84C4V3LT1G | | MMBZ5270BLT1G | | |
| BZX84C47LT1G | | MMBZ5270BLT1G | | |
| BZX84C43LT1G | | MMBZ5270BLT1G | | |
| BZX84C3V9LT1G | | MMBZ5270BLT1G | | |
| BZX84C3V6LT1G | | MMBZ5270BLT1G | | |
| BZX84C3V3LT1G | | MMBZ5270BLT1G | | |
| BZX84C3V0LT1G | | MMBZ5270BLT1G | | |
| BZX84C39LT1G | | MMBZ5270BLT1G | | |
| BZX84C36LT1G | | MMBZ5270BLT1G | | |
| BZX84C33LT1G | | MMBZ5270BLT1G | | |
| BZX84C30LT1G | | MMBZ5270BLT1G | | |
| BZX84C2V7LT1G | | MMBZ5270BLT1G | | |
| BZX84C2V4LT1G | | MMBZ5270BLT1G | | |
| BZX84C27LT1G | | MMBZ5270BLT1G | | |
| BZX84C24LT1G | | MMBZ5270BLT1G | | |
| BZX84C22LT1G | | MMBZ5270BLT1G | | |
| BZX84C20LT1G | | MMBZ5270BLT1G | | |
| BZX84C18LT3G | | MMBZ5270BLT1G | | |
| BZX84C18LT1G | | MMBZ5270BLT1G | | |
| BZX84C16LT1G | | MMBZ5270BLT1G | | |
| BZX84C15LT3G | | MMBZ5270BLT1G | | |
| BZX84C15LT1G | | MMBZ5270BLT1G | | |
| BZX84C13LT1G | | MMBZ5270BLT1G | | |
| BZX84C12LT1G | | MMBZ5270BLT1G | | |
| BZX84C11LT1G | | MMBZ5270BLT1G | | |
| BZX84C10LT1G | | MMBZ5270BLT1G | | |
| BZX84B9V1LT1G | | MMBZ5270BLT1G | | |
| BZX84B8V2LT1G | | MMBZ5270BLT1G | | |
| BZX84B7V5LT1G | | MMBZ5270BLT1G | | |
| BZX84B6V8LT1G | | MMBZ5270BLT1G | | |
| BZX84B6V2LT1G | | MMBZ5270BLT1G | | |
| BZX84B5V6LT1G | | MMBZ5270BLT1G | | |
| BZX84B5V1LT1G | | MMBZ5270BLT1G | | |



Appendix A: Changed Products

DIKG : DIGI-KEY

| Product | Customer Part Number | Qualification Vehicle | New Part Number | Replacement Supplier |
|---------------|----------------------|-----------------------|-----------------|----------------------|
| BZX84B4V7LT1G | | MMBZ5270BLT1G | | |
| BZX84B3V3LT1G | | MMBZ5270BLT1G | | |
| BZX84B27LT1G | | MMBZ5270BLT1G | | |
| BZX84B24LT1G | | MMBZ5270BLT1G | | |
| BZX84B22LT1G | | MMBZ5270BLT1G | | |
| BZX84B18LT1G | | MMBZ5270BLT1G | | |
| BZX84B16LT1G | | MMBZ5270BLT1G | | |
| BZX84B15LT1G | | MMBZ5270BLT1G | | |
| BZX84B12LT1G | | MMBZ5270BLT1G | | |
| BZX84B10LT1G | | MMBZ5270BLT1G | | |
| NUP2115LT1G | | MMBZ47VALT1G | | |
| NUP2105LT1G | | MMBZ47VALT1G | | |
| NUP1301ML3T1G | | MMBZ47VALT1G | | |
| NUP1105LT1G | | MMBZ47VALT1G | | |
| MMBZ9V1ALT1G | | MMBZ47VALT1G | | |
| MMBZ6V2ALT1G | | MMBZ47VALT1G | | |
| MMBZ5270BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5268BLT1G | | MMBZ5270BLT1G | | |
| MMBZ5263BLT1G | | MMBZ5270BLT1G | | |