



Final Product/Process Change Notification

Document #:FPCN22769XA

Issue Date:02 Apr 2020

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:		
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.		
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: MMBT3904LT1G****RMS: 48073****Package: SOT-23**

Test	Specification	Condition	Interval	Results
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
PC	JESD22-A113	MSL 1 @ 260 °C	Before H3TRB, TC, UHAST, HAST, AC, IOL	0/924
HAST	JESD22-A110	130C/85%RH, 80% rated V or 100V max	96 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: BAS21LT1G**RMS: 48079****Package: SOT-23**

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

Qual Vehicle Device: MMBTA42LT1G**RMS: 58272****Package: SOT-23**

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

Qual Vehicle Device: MMBT6520LT1G**RMS: 48071/58269****Package: SOT-23**

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj= max, V=100% rated V, 1008 Hrs	1008hrs	0/231
PC	JESD22-A113	MSL 1 @ 260 °C	Before IOL	0/231
IOL	MIL-STD-750	Ta=+25°C, delta Tj=100°C, On/off = 2 min	15000 cycs	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
BAL99LT1G	BAS21LT1G
BAS116LT1G	BAS21LT1G
BAS116LT3G	BAS21LT1G
BAS16LT1G	BAS21LT1G
BAS16LT3G	BAS21LT1G
BAS19LT1G	BAS21LT1G
BAS19LT3G	BAS21LT1G
BAS20LT1G	BAS21LT1G
BAS20LT3G	BAS21LT1G
BAS21LT1G	BAS21LT1G
BAS21LT3G	BAS21LT1G
BAS21SLT1G	BAS21LT1G
BAS40-04LT1G	BAS21LT1G
BAS40-06LT1G	BAS21LT1G
BAS40LT1G	BAS21LT1G
BAS40LT3G	BAS21LT1G
BAS70-04LT1G	BAS21LT1G
BAS70LT1G	BAS21LT1G
BAT54ALT1G	BAS21LT1G
BAT54CLT1G	BAS21LT1G
BAT54CLT3G	BAS21LT1G
BAT54LT1G	BAS21LT1G
BAT54LT3G	BAS21LT1G
BAT54SLT1G	BAS21LT1G
BAV199LT1G	BAS21LT1G
BAV23CLT1G	BAS21LT1G
BAV23CLT3G	BAS21LT1G
BAV74LT1G	BAS21LT1G
BC807-16LT1G	MMBT6520LT1G



BC807-16LT3G	MMBT6520LT1G
BC807-25LT1G	MMBT6520LT1G
BC807-25LT3G	MMBT6520LT1G
BC807-40LT1G	MMBT6520LT1G
BC807-40LT3G	MMBT6520LT1G
BC808-25LT1G	MMBT6520LT1G
BC817-16LT1G	MMBTA42LT1G
BC817-16LT3G	MMBTA42LT1G
BC817-25LT1G	MMBTA42LT1G
BC817-25LT3G	MMBTA42LT1G
BC817-40LT1G	MMBTA42LT1G
BC817-40LT3G	MMBTA42LT1G
BC818-40LT1G	MMBTA42LT1G
BC846BLT1G	MMBTA42LT1G
BC846BLT3G	MMBTA42LT1G
BC847BLT1G	MMBTA42LT1G
BC847BLT3G	MMBTA42LT1G
BC847CLT1G	MMBTA42LT1G
BC847CLT3G	MMBTA42LT1G
BC848ALT1G	MMBTA42LT1G
BC848BLT1G	MMBTA42LT1G
BC848BLT3G	MMBTA42LT1G
BC848CLT1G	MMBTA42LT1G
BC849BLT1G	MMBTA42LT1G
BC849CLT1G	MMBTA42LT1G
BC850BLT1G	MMBTA42LT1G
BC850CLT1G	MMBTA42LT1G
BC856ALT1G	MMBT6520LT1G
BC856BLT1G	MMBT6520LT1G
BC856BLT3G	MMBT6520LT1G
BC857ALT1G	MMBT6520LT1G
BC857BLT1G	MMBT6520LT1G
BC857BLT3G	MMBT6520LT1G
BC857CLT1G	MMBT6520LT1G



BC857CLT3G	MMBT6520LT1G
BC858ALT1G	MMBT6520LT1G
BC858BLT1G	MMBT6520LT1G
BC858BLT3G	MMBT6520LT1G
BC858CLT1G	MMBT6520LT1G
BC858CLT3G	MMBT6520LT1G
BCW30LT1G	MMBT6520LT1G
BCW32LT1G	MMBTA42LT1G
BCW33LT1G	MMBTA42LT1G
BCW33LT3G	MMBTA42LT1G
BCW65ALT1G	MMBTA42LT1G
BCW65CLT1G	MMBTA42LT1G
BCW66GLT1G	MMBTA42LT1G
BCW66GLT3G	MMBT6520LT1G
BCW68GLT1G	MMBT6520LT1G
BCW68GLT3G	MMBT6520LT1G
BCW70LT1G	MMBT6520LT1G
BCW72LT1G	MMBTA42LT1G
BCX17LT1G	MMBT6520LT1G
BCX19LT1G	MMBTA42LT1G
BSS64LT1G	MMBTA42LT1G
BSV52LT1G	MMBTA42LT1G
MMBD101LT1G	BAS21LT1G
MMBD2836LT1G	BAS21LT1G
MMBD2838LT1G	BAS21LT1G
MMBD301LT1G	BAS21LT1G
MMBD301LT3G	BAS21LT1G
MMBD352LT1G	BAS21LT1G
MMBD353LT1G	BAS21LT1G
MMBD354LT1G	BAS21LT1G
MMBD355LT1G	BAS21LT1G
MMBD452LT1G	BAS21LT1G
MMBD6050LT1G	BAS21LT1G
MMBD6050LT3G	BAS21LT1G



MMBD6100LT1G	BAS21LT1G
MMBD7000LT1G	BAS21LT1G
MMBD7000LT3G	BAS21LT1G
MMBD701LT1G	BAS21LT1G
MMBT222LT1G	MMBTA42LT1G
MMBT2369LT1G	MMBTA42LT1G
MMBT2369LT3G	MMBTA42LT1G
MMBT2484LT1G	MMBTA42LT1G
MMBT2484LT3G	MMBTA42LT1G
MMBT3416LT3G	MMBTA42LT1G
MMBT4124LT1G	MMBTA42LT1G
MMBT4126LT1G	MMBT6520LT1G
MMBT4126LT3G	MMBT6520LT1G
MMBT5087LT1G	MMBT6520LT1G
MMBT5087LT3G	MMBT6520LT1G
MMBT5088LT1G	MMBTA42LT1G
MMBT5089LT1G	MMBTA42LT1G
MMBT5401LT1G	MMBT6520LT1G
MMBT5401LT3G	MMBT6520LT1G
MMBT5550LT1G	MMBTA42LT1G
MMBT5550LT3G	MMBTA42LT1G
MMBT5551LT1G	MMBTA42LT1G
MMBT5551LT3G	MMBTA42LT1G
MMBT6427LT1G	MMBTA42LT1G
MMBT6428LT1G	MMBTA42LT1G
MMBT6429LT1G	MMBTA42LT1G
MMBT6520LT1G	MMBT6520LT1G
MMBT6521LT1G	MMBTA42LT1G
MMBT8099LT1G	MMBTA42LT1G
MMBT918LT1G	MMBTA42LT1G
MMBTA05LT1G	MMBTA42LT1G
MMBTA05LT3G	MMBTA42LT1G
MMBTA06LT1G	MMBTA42LT1G
MMBTA06LT3G	MMBTA42LT1G



MMBTA13LT1G	MMBTA42LT1G
MMBTA13LT3G	MMBTA42LT1G
MMBTA14LT1G	MMBTA42LT1G
MMBTA55LT1G	MMBT6520LT1G
MMBTA56LT1G	MMBT6520LT1G
MMBTA56LT1G-HFE	MMBT6520LT1G
MMBTA56LT3G	MMBT6520LT1G
MMBTA63LT1G	MMBT6520LT1G
MMBTA64LT1G	MMBT6520LT1G
MMBTA64LT3G	MMBT6520LT1G
MMBTH10-4LT1G	MMBTA42LT1G
MMBTH10LT1G	MMBTA42LT1G
MMBTH10LT3G	MMBTA42LT1G
MMUN2111LT1G	MMBT6520LT1G
MMUN2111LT3G	MMBT6520LT1G
MMUN2112LT1G	MMBT6520LT1G
MMUN2113LT1G	MMBT6520LT1G
MMUN2113LT3G	MMBT6520LT1G
MMUN2114LT1G	MMBT6520LT1G
MMUN2114LT3G	MMBT6520LT1G
MMUN2115LT1G	MMBT6520LT1G
MMUN2116LT1G	MMBT6520LT1G
MMUN2130LT1G	MMBT6520LT1G
MMUN2131LT1G	MMBT6520LT1G
MMUN2132LT1G	MMBT6520LT1G
MMUN2133LT1G	MMBT6520LT1G
MMUN2134LT1G	MMBT6520LT1G
MMUN2135LT1G	MMBT6520LT1G
MMUN2136LT1G	MMBT6520LT1G
MMUN2137LT1G	MMBT6520LT1G
MMUN2138LT1G	MMBT6520LT1G
MMUN2140LT1G	MMBT6520LT1G
MMUN2141LT1G	MMBT6520LT1G
MMUN2211LT1G	MMBTA42LT1G



MMUN2211LT3G	MMBTA42LT1G
MMUN2212LT1G	MMBTA42LT1G
MMUN2213LT1G	MMBTA42LT1G
MMUN2214LT1G	MMBTA42LT1G
MMUN2215LT1G	MMBTA42LT1G
MMUN2216LT1G	MMBTA42LT1G
MMUN2217LT1G	MMBTA42LT1G
MMUN2218LT1G	MMBTA42LT1G
MMUN2230LT1G	MMBTA42LT1G
MMUN2231LT1G	MMBTA42LT1G
MMUN2232LT1G	MMBTA42LT1G
MMUN2233LT1G	MMBTA42LT1G
MMUN2234LT1G	MMBTA42LT1G
MMUN2235LT1G	MMBTA42LT1G
MMUN2236LT1G	MMBTA42LT1G
MMUN2237LT1G	MMBTA42LT1G
MMUN2238LT1G	MMBTA42LT1G
MMUN2240LT1G	MMBTA42LT1G
MMUN2241LT1G	MMBTA42LT1G
NSD070ALT1G	BAS21LT1G

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# : FPCN22769XA

発行日: 02 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: 組立の変更		
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: 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。 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。 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。		
変更される材料	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 GE200FHWG Sumitomo E500 LL



信頼性データの要約:

デバイス名: MMBT3904LT1G

RMS: 48073

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
PC	JESD22-A113	MSL 1 @ 260 °C	Before H3TRB, TC, UHAST, HAST, AC, IOL	0/924
HAST	JESD22-A110	130C/85%RH, 80% rated V or 100V max	96 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: BAS21LT1G

RMS: 48079

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

デバイス名: MMBTA42LT1G

RMS: 58272

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

デバイス名: MMBT6520LT1G

RMS: 48071/58269

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
PC	JESD22-A113	MSL 1 @ 260 °C	Before IOL	0/231
IOL	MIL-STD-750	Ta=+25°C, delta Tj=100°C, On/off = 2 min	15000 cycs	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
BAL99LT1G	BAS21LT1G
BAS116LT1G	BAS21LT1G
BAS116LT3G	BAS21LT1G
BAS16LT1G	BAS21LT1G
BAS16LT3G	BAS21LT1G
BAS19LT1G	BAS21LT1G
BAS19LT3G	BAS21LT1G
BAS20LT1G	BAS21LT1G
BAS20LT3G	BAS21LT1G
BAS21LT1G	BAS21LT1G
BAS21LT3G	BAS21LT1G
BAS21SLT1G	BAS21LT1G
BAS40-04LT1G	BAS21LT1G
BAS40-06LT1G	BAS21LT1G
BAS40LT1G	BAS21LT1G
BAS40LT3G	BAS21LT1G
BAS70-04LT1G	BAS21LT1G
BAS70LT1G	BAS21LT1G
BAT54ALT1G	BAS21LT1G
BAT54CLT1G	BAS21LT1G
BAT54CLT3G	BAS21LT1G
BAT54LT1G	BAS21LT1G
BAT54LT3G	BAS21LT1G
BAT54SLT1G	BAS21LT1G
BAV199LT1G	BAS21LT1G
BAV23CLT1G	BAS21LT1G
BAV23CLT3G	BAS21LT1G
BAV74LT1G	BAS21LT1G
BC807-16LT1G	MMBT6520LT1G
BC807-16LT3G	MMBT6520LT1G
BC807-25LT1G	MMBT6520LT1G
BC807-25LT3G	MMBT6520LT1G



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BC807-40LT1G	MMBT6520LT1G
BC807-40LT3G	MMBT6520LT1G
BC808-25LT1G	MMBT6520LT1G
BC817-16LT1G	MMBTA42LT1G
BC817-16LT3G	MMBTA42LT1G
BC817-25LT1G	MMBTA42LT1G
BC817-25LT3G	MMBTA42LT1G
BC817-40LT1G	MMBTA42LT1G
BC817-40LT3G	MMBTA42LT1G
BC818-40LT1G	MMBTA42LT1G
BC846BLT1G	MMBTA42LT1G
BC846BLT3G	MMBTA42LT1G
BC847BLT1G	MMBTA42LT1G
BC847BLT3G	MMBTA42LT1G
BC847CLT1G	MMBTA42LT1G
BC847CLT3G	MMBTA42LT1G
BC848ALT1G	MMBTA42LT1G
BC848BLT1G	MMBTA42LT1G
BC848BLT3G	MMBTA42LT1G
BC848CLT1G	MMBTA42LT1G
BC849BLT1G	MMBTA42LT1G
BC849CLT1G	MMBTA42LT1G
BC850BLT1G	MMBTA42LT1G
BC850CLT1G	MMBTA42LT1G
BC856ALT1G	MMBT6520LT1G
BC856BLT1G	MMBT6520LT1G
BC856BLT3G	MMBT6520LT1G
BC857ALT1G	MMBT6520LT1G
BC857BLT1G	MMBT6520LT1G
BC857BLT3G	MMBT6520LT1G
BC857CLT1G	MMBT6520LT1G
BC857CLT3G	MMBT6520LT1G
BC858ALT1G	MMBT6520LT1G
BC858BLT1G	MMBT6520LT1G
BC858BLT3G	MMBT6520LT1G
BC858CLT1G	MMBT6520LT1G



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BC858CLT3G	MMBT6520LT1G
BCW30LT1G	MMBT6520LT1G
BCW32LT1G	MMBTA42LT1G
BCW33LT1G	MMBTA42LT1G
BCW33LT3G	MMBTA42LT1G
BCW65ALT1G	MMBTA42LT1G
BCW65CLT1G	MMBTA42LT1G
BCW66GLT1G	MMBTA42LT1G
BCW66GLT3G	MMBT6520LT1G
BCW68GLT1G	MMBT6520LT1G
BCW68GLT3G	MMBT6520LT1G
BCW70LT1G	MMBT6520LT1G
BCW72LT1G	MMBTA42LT1G
BCX17LT1G	MMBT6520LT1G
BCX19LT1G	MMBTA42LT1G
BSS64LT1G	MMBTA42LT1G
BSV52LT1G	MMBTA42LT1G
MMBD101LT1G	BAS21LT1G
MMBD2836LT1G	BAS21LT1G
MMBD2838LT1G	BAS21LT1G
MMBD301LT1G	BAS21LT1G
MMBD301LT3G	BAS21LT1G
MMBD352LT1G	BAS21LT1G
MMBD353LT1G	BAS21LT1G
MMBD354LT1G	BAS21LT1G
MMBD355LT1G	BAS21LT1G
MMBD452LT1G	BAS21LT1G
MMBD6050LT1G	BAS21LT1G
MMBD6050LT3G	BAS21LT1G
MMBD6100LT1G	BAS21LT1G
MMBD7000LT1G	BAS21LT1G
MMBD7000LT3G	BAS21LT1G
MMBD701LT1G	BAS21LT1G
MMBT222LT1G	MMBTA42LT1G
MMBT2369LT1G	MMBTA42LT1G
MMBT2369LT3G	MMBTA42LT1G



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MMBT2484LT1G	MMBTA42LT1G
MMBT2484LT3G	MMBTA42LT1G
MMBT3416LT3G	MMBTA42LT1G
MMBT4124LT1G	MMBTA42LT1G
MMBT4126LT1G	MMBT6520LT1G
MMBT4126LT3G	MMBT6520LT1G
MMBT5087LT1G	MMBT6520LT1G
MMBT5087LT3G	MMBT6520LT1G
MMBT5088LT1G	MMBTA42LT1G
MMBT5089LT1G	MMBTA42LT1G
MMBT5401LT1G	MMBT6520LT1G
MMBT5401LT3G	MMBT6520LT1G
MMBT5550LT1G	MMBTA42LT1G
MMBT5550LT3G	MMBTA42LT1G
MMBT5551LT1G	MMBTA42LT1G
MMBT5551LT3G	MMBTA42LT1G
MMBT6427LT1G	MMBTA42LT1G
MMBT6428LT1G	MMBTA42LT1G
MMBT6429LT1G	MMBTA42LT1G
MMBT6520LT1G	MMBT6520LT1G
MMBT6521LT1G	MMBTA42LT1G
MMBT8099LT1G	MMBTA42LT1G
MMBT918LT1G	MMBTA42LT1G
MMBTA05LT1G	MMBTA42LT1G
MMBTA05LT3G	MMBTA42LT1G
MMBTA06LT1G	MMBTA42LT1G
MMBTA06LT3G	MMBTA42LT1G
MMBTA13LT1G	MMBTA42LT1G
MMBTA13LT3G	MMBTA42LT1G
MMBTA14LT1G	MMBTA42LT1G
MMBTA55LT1G	MMBT6520LT1G
MMBTA56LT1G	MMBT6520LT1G
MMBTA56LT1G-HFE	MMBT6520LT1G
MMBTA56LT3G	MMBT6520LT1G
MMBTA63LT1G	MMBT6520LT1G
MMBTA64LT1G	MMBT6520LT1G



MMBTA64LT3G	MMBT6520LT1G
MMBTH10-4LT1G	MMBTA42LT1G
MMBTH10LT1G	MMBTA42LT1G
MMBTH10LT3G	MMBTA42LT1G
MMUN2111LT1G	MMBT6520LT1G
MMUN2111LT3G	MMBT6520LT1G
MMUN2112LT1G	MMBT6520LT1G
MMUN2113LT1G	MMBT6520LT1G
MMUN2113LT3G	MMBT6520LT1G
MMUN2114LT1G	MMBT6520LT1G
MMUN2114LT3G	MMBT6520LT1G
MMUN2115LT1G	MMBT6520LT1G
MMUN2116LT1G	MMBT6520LT1G
MMUN2130LT1G	MMBT6520LT1G
MMUN2131LT1G	MMBT6520LT1G
MMUN2132LT1G	MMBT6520LT1G
MMUN2133LT1G	MMBT6520LT1G
MMUN2134LT1G	MMBT6520LT1G
MMUN2135LT1G	MMBT6520LT1G
MMUN2136LT1G	MMBT6520LT1G
MMUN2137LT1G	MMBT6520LT1G
MMUN2138LT1G	MMBT6520LT1G
MMUN2140LT1G	MMBT6520LT1G
MMUN2141LT1G	MMBT6520LT1G
MMUN2211LT1G	MMBTA42LT1G
MMUN2211LT3G	MMBTA42LT1G
MMUN2212LT1G	MMBTA42LT1G
MMUN2213LT1G	MMBTA42LT1G
MMUN2214LT1G	MMBTA42LT1G
MMUN2215LT1G	MMBTA42LT1G
MMUN2216LT1G	MMBTA42LT1G
MMUN2217LT1G	MMBTA42LT1G
MMUN2218LT1G	MMBTA42LT1G
MMUN2230LT1G	MMBTA42LT1G
MMUN2231LT1G	MMBTA42LT1G
MMUN2232LT1G	MMBTA42LT1G



最終製品 / プロセス変更通知

文書番号# : FPCN22769XA

発行日: 02 Apr 2020

MMUN2233LT1G	MMBTA42LT1G
MMUN2234LT1G	MMBTA42LT1G
MMUN2235LT1G	MMBTA42LT1G
MMUN2236LT1G	MMBTA42LT1G
MMUN2237LT1G	MMBTA42LT1G
MMUN2238LT1G	MMBTA42LT1G
MMUN2240LT1G	MMBTA42LT1G
MMUN2241LT1G	MMBTA42LT1G
NSD070ALT1G	BAS21LT1G



PCN# : FPCN22769XA
Issue Date : Apr 02, 2020

PCN Product List Addendum for :

Customer : FUTURE : FUTC

Customer Contact Name : Dropbox 3 Future

Customer Contact email : pcn.system2@future.ca



Appendix A: Changed Products

FUTC : FUTURE

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
MMUN2238LT1G		MMBTA42LT1G		
MMUN2237LT1G	MMUN2237LT1G	MMBTA42LT1G		
MMUN2235LT1G	MMUN2235LT1G	MMBTA42LT1G		
MMUN2235LT1G		MMBTA42LT1G		
MMUN2234LT1G	MMUN2234LT1TR	MMBTA42LT1G		
MMUN2234LT1G	MMUN2234LT1G	MMBTA42LT1G		
MMUN2233LT1G	MMUN2233LT1	MMBTA42LT1G		
MMUN2233LT1G		MMBTA42LT1G		
MMUN2232LT1G	MMUN2232LT1	MMBTA42LT1G		
MMUN2232LT1G		MMBTA42LT1G		
MMUN2230LT1G		MMBTA42LT1G		
MMUN2216LT1G	MMUN2216LT1	MMBTA42LT1G		
MMUN2215LT1G	MMUN2215LT1	MMBTA42LT1G		
MMUN2214LT1G	MMUN2214LT1	MMBTA42LT1G		
MMUN2214LT1G		MMBTA42LT1G		
MMBTH10LT1G	MMBTH10LT1	MMBTA42LT1G		
MMBTH10-4LT1G	MMBTH10-4LTR	MMBTA42LT1G		
MMBTA64LT1G	MMBTA64LT1	MMBT6520LT1G		
MMBTA63LT1G		MMBT6520LT1G		
MMBTA56LT3G		MMBT6520LT1G		
MMBTA56LT1G	SX-4820-0111	MMBT6520LT1G		
MMBTA56LT1G	MMBTA56LT1-LF	MMBT6520LT1G		
MMBTA56LT1G	MMBTA56LT1	MMBT6520LT1G		
MMBTA56LT1G		MMBT6520LT1G		
MMUN2213LT1G	MMUN2213LT1	MMBTA42LT1G		
MMUN2213LT1G		MMBTA42LT1G		
MMUN2212LT1G	MMUN2212LT1	MMBTA42LT1G		
MMUN2212LT1G		MMBTA42LT1G		
MMUN2211LT3G	MMUN2211LT3	MMBTA42LT1G		
MMUN2211LT3G		MMBTA42LT1G		
MMUN2211LT1G	DTC114ECAT116	MMBTA42LT1G		
MMUN2211LT1G		MMBTA42LT1G		
MMUN2111LT3G	MMUN2111LT3G	MMBT6520LT1G		
MMUN2111LT1G	DTA114ECAT116	MMBT6520LT1G		
MMBTH10LT1G		MMBTA42LT1G		
MMBTA55LT1G		MMBT6520LT1G		
MMBTA14LT1G		MMBTA42LT1G		
MMBTA14LT1G	MMBTA14LT1-LF	MMBTA42LT1G		
MMBTA14LT1G	MMBTA14LT1	MMBTA42LT1G		
MMBTA13LT1G	MMBTA13LT1	MMBTA42LT1G		
MMBTA06LT3G	MMBTA06LT3	MMBTA42LT1G		
MMBTA06LT3G		MMBTA42LT1G		



Appendix A: Changed Products

FUTC : FUTURE

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
MMBTA06LT1G	MMBTA06LT1	MMBTA42LT1G		
MMBTA05LT1G	MMBTA05LT1	MMBTA42LT1G		
MMBTA05LT1G		MMBTA42LT1G		
MMBT918LT1G	MMBT918LT1	MMBTA42LT1G		
MMBT8099LT1G	MMBT8099LT1-CT	MMBTA42LT1G		
MMBT8099LT1G	MMBT8099LT1	MMBTA42LT1G		
MMBT8099LT1G		MMBTA42LT1G		
MMBT6521LT1G		MMBTA42LT1G		
MMBT6520LT1G	MMBT6520LT1	MMBT6520LT1G		
MMBT6520LT1G		MMBT6520LT1G		
MMBT6429LT1G	MMBT6429LT1	MMBTA42LT1G		
MMBT6428LT1G	MMBT6428LT1	MMBTA42LT1G		
MMBT6427LT1G	MMBT6427LT1	MMBTA42LT1G		
MMBT6427LT1G		MMBTA42LT1G		
MMBT5551LT3G	MMBT5551LT3G	MMBTA42LT1G		
MMBT5551LT1G		MMBTA42LT1G		
MMBT5551LT1G	MMBT5551LT1	MMBTA42LT1G		
MMBT5550LT1G	MMBT5550LT1	MMBTA42LT1G		
MMBT5401LT1G	MMBT5401LT1/STONERIDG	MMBT6520LT1G		
MMBT5401LT1G	MMBT5401LT1	MMBT6520LT1G		
MMBT5401LT1G		MMBT6520LT1G		
MMBT5089LT1G	MMBT5089LT1	MMBTA42LT1G		
MMBT5089LT1G		MMBTA42LT1G		
MMBT2222LT1G	MMBT2222LT1	MMBTA42LT1G		
MMBT5550LT1G		MMBTA42LT1G		
MMBD701LT1G	MMBD701LT1	BAS21LT1G		
MMBD701LT1G		BAS21LT1G		
MMBD7000LT3G		BAS21LT1G		
MMBD7000LT3G	MMBD7000LT3	BAS21LT1G		
MMBD7000LT1G	MMBD7000LT1	BAS21LT1G		
MMBD7000LT1G		BAS21LT1G		
MMBD6100LT1G	MMBD6100LT1	BAS21LT1G		
MMBD6100LT1G		BAS21LT1G		
MMBD6050LT1G	MMBD6050LT1	BAS21LT1G		
MMBD452LT1G	MMBD452LT1	BAS21LT1G		
MMBD452LT1G		BAS21LT1G		
MMBD354LT1G		BAS21LT1G		
MMBD352LT1G	MMBD352LT1	BAS21LT1G		
MMBD301LT1G	MMBD301LT1	BAS21LT1G		
MMBD101LT1G	MMBD101LT1	BAS21LT1G		
BSV52LT1G	BSV52LT1	MMBTA42LT1G		
MMBT5088LT1G	MMBT5088LT1	MMBTA42LT1G		



Appendix A: Changed Products

FUTC : FUTURE

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
MMBT5088LT1G		MMBTA42LT1G		
MMBT5087LT3G		MMBT6520LT1G		
MMBT5087LT1G	MMBT5087LT1	MMBT6520LT1G		
MMBT5087LT1G		MMBT6520LT1G		
MMBT4126LT1G		MMBT6520LT1G		
MMBT4126LT1G	MMBT4126LT1	MMBT6520LT1G		
MMBT4124LT1G		MMBTA42LT1G		
MMBT2484LT1G	MMBT2484LT1	MMBTA42LT1G		
MMBT2369LT1G	MMBT2369LT1	MMBTA42LT1G		
BSS64LT1G	BSS64LT1G	MMBTA42LT1G		
BCX19LT1G	BCX19LT1	MMBTA42LT1G		
BCX19LT1G		MMBTA42LT1G		
BCX17LT1G	BCX17LT1	MMBT6520LT1G		
BCW72LT1G		MMBTA42LT1G		
BCW72LT1G	BCW72LT1	MMBTA42LT1G		
BCW70LT1G	BCW70LT1	MMBT6520LT1G		
BCW70LT1G		MMBT6520LT1G		
BCW68GLT3G	BCW68GLT3G	MMBT6520LT1G		
BCW68GLT1G	BCW68GLT1	MMBT6520LT1G		
BCW66GLT1G	BCW66GLT1	MMBTA42LT1G		
BCW65CLT1G	BCW65CLT1	MMBTA42LT1G		
BCW65ALT1G	BCW65ATR	MMBTA42LT1G		
BCW33LT1G	BCW33LT1	MMBTA42LT1G		
BCW33LT1G		MMBTA42LT1G		
BCW32LT1G	BCW32LT1	MMBTA42LT1G		
BCW30LT1G	BCW30LT1	MMBT6520LT1G		
BC858CLT1G	BC858CLT1	MMBT6520LT1G		
BC858BLT3G	BC858BLT3GTR	MMBT6520LT1G		
BC858BLT3G	BC858BLT3	MMBT6520LT1G		
BC858BLT1G	BC858BLT1	MMBT6520LT1G		
BC848BLT1G	BC848BLT1	MMBTA42LT1G		
BC848BLT1G	BC848BLT1-LF	MMBTA42LT1G		
MMBD2838LT1G	MMBD2838LT1	BAS21LT1G		
MMBD2836LT1G	MMBD2836LT1	BAS21LT1G		
BC848ALT1G	BC848ALT1	MMBTA42LT1G		
BC847CLT3G	BC847CLT3G	MMBTA42LT1G		
BC847CLT1G	BC847CLT1-LF	MMBTA42LT1G		
BC847CLT1G	BC847CLT1	MMBTA42LT1G		
BC847CLT1G		MMBTA42LT1G		
BC847BLT3G		MMBTA42LT1G		
BC847BLT3G	BC847BLT3	MMBTA42LT1G		
BC847BLT1G	BC847BLT1	MMBTA42LT1G		



Appendix A: Changed Products

FUTC : FUTURE

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
BC847BLT1G		MMBTA42LT1G		
BC846BLT3G	BC846BLT3	MMBTA42LT1G		
BC817-40LT1G	BC817-40LT1	MMBTA42LT1G		
BC857CLT1G	BC857CLT1	MMBT6520LT1G		
BC857CLT1G		MMBT6520LT1G		
BC857BLT3G		MMBT6520LT1G		
BC857BLT1G	BC857BLT1	MMBT6520LT1G		
BC857ALT1G	BC857ALT1G	MMBT6520LT1G		
BC857ALT1G	BC857ALT1	MMBT6520LT1G		
BC857ALT1G		MMBT6520LT1G		
BC856BLT3G	BC856BLTR3	MMBT6520LT1G		
BC856BLT1G	BC856BLT1	MMBT6520LT1G		
BC856ALT1G	BC856ALT1	MMBT6520LT1G		
BC850CLT1G	BC850CLT1	MMBTA42LT1G		
BC850CLT1G		MMBTA42LT1G		
BC850BLT1G	BC850BLT1G	MMBTA42LT1G		
BC850BLT1G	BC850BLT1-CT	MMBTA42LT1G		
BC850BLT1G		MMBTA42LT1G		
BC849CLT1G	BC849CLT1	MMBTA42LT1G		
BC849CLT1G		MMBTA42LT1G		
BC849BLT1G	BC849BLT1	MMBTA42LT1G		
BC848CLT1G	BC848CLT1	MMBTA42LT1G		
BC817-25LT3G	BC817-25LT3	MMBTA42LT1G		
BC817-25LT3G		MMBTA42LT1G		
BC817-25LT1G	BC817-25LT1	MMBTA42LT1G		
BC817-25LT1G		MMBTA42LT1G		
BC817-16LT3G	BC817-16LT3TR	MMBTA42LT1G		
BC817-16LT3G	BC817-16LT3G	MMBTA42LT1G		
BC817-16LT3G		MMBTA42LT1G		
BC817-16LT1G	BC817-16LT1-LF	MMBTA42LT1G		
BC817-16LT1G	BC817-16LT1	MMBTA42LT1G		
BC817-16LT1G		MMBTA42LT1G		
BC808-25LT1G		MMBT6520LT1G		
BC807-40LT3G	BC807-40LT3	MMBT6520LT1G		
BC807-40LT1G	BC807-40LT1	MMBT6520LT1G		
MMUN2133LT1G	MMUN2113LT1	MMBT6520LT1G		
MMUN2133LT1G	MMUN2133LT1	MMBT6520LT1G		
BC846BLT1G	BC846BLT1-LF	MMBTA42LT1G		
BC846BLT1G	BC846BLT1	MMBTA42LT1G		
BC818-40LT1G	BC818-40LT1	MMBTA42LT1G		
BC818-40LT1G		MMBTA42LT1G		
BC817-40LT3G	BC817-40LT3	MMBTA42LT1G		



Appendix A: Changed Products

FUTC : FUTURE

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
BC817-40LT1G		MMBT A42LT1G		
MMUN2132LT1G	DTA143ECAT146	MMBT6520LT1G		
MMUN2132LT1G		MMBT6520LT1G		
MMUN2131LT1G	MMUN2131LT1G	MMBT6520LT1G		
MMUN2116LT1G	MMUN2116LT1TR	MMBT6520LT1G		
MMUN2116LT1G	MMUN2116LT1	MMBT6520LT1G		
MMUN2115LT1G		MMBT6520LT1G		
MMUN2114LT1G	MMUN2114LT1	MMBT6520LT1G		
MMUN2114LT1G		MMBT6520LT1G		
MMUN2113LT1G	MMUN2113LT1	MMBT6520LT1G		
MMUN2113LT1G	MMUN2113LT1G	MMBT6520LT1G		
BAT54SLT1G	BAT54STR	BAS21LT1G		
BAT54SLT1G		BAS21LT1G		
BAT54LT1G	BAT54TR-LF	BAS21LT1G		
BAT54LT1G	BAT54TR	BAS21LT1G		
BAT54CLT1G	BAT54CTR	BAS21LT1G		
BC846BLT1G		MMBT A42LT1G		
BC807-25LT1G	BC807-25LT1	MMBT6520LT1G		
BC807-16LT3G		MMBT6520LT1G		
BC807-16LT1G	BC807-16LT1	MMBT6520LT1G		
BC807-16LT1G		MMBT6520LT1G		
BAV74LT1G	BAV74LT1	BAS21LT1G		
BAV23CLT1G	BAV23CLT1G	BAS21LT1G		
BAV199LT1G	BAV199LT1	BAS21LT1G		
BAV199LT1G		BAS21LT1G		
MMUN2134LT1G	MMUN2134LT1TR	MMBT6520LT1G		
MMUN2134LT1G	MMUN2134LT1G	MMBT6520LT1G		
MMUN2133LT1G		MMBT6520LT1G		
BAT54ALT1G	BAT54ATR	BAS21LT1G		
BAT54ALT1G		BAS21LT1G		
BAS70LT1G		BAS21LT1G		
BAS70LT1G	BAS70LT1	BAS21LT1G		
BAS70-04LT1G	BAS70-04LT1	BAS21LT1G		
BAS70-04LT1G		BAS21LT1G		
BAS40LT1G	BAS40LT1	BAS21LT1G		
BAS40-06LT1G	BAS40-06LT1	BAS21LT1G		
BAS40-04LT1G	BAS40-04LT1	BAS21LT1G		
BAS40-04LT1G		BAS21LT1G		
BAT54CLT3G		BAS21LT1G		
BAT54CLT1G		BAS21LT1G		
BAS21SLT1G		BAS21LT1G		
BAS21SLT1G	BAS21SL	BAS21LT1G		



Appendix A: Changed Products

FUTC : FUTURE

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
BAS21LT3G	BAS21LT3	BAS21LT1G		
BAS21LT1G	BAS21LT1-STONERIDGE	BAS21LT1G		
BAS21LT1G	BAS21LT1-LF	BAS21LT1G		
BAS21LT1G	BAS21LT1	BAS21LT1G		
BAS21LT1G		BAS21LT1G		
BC807-25LT1G		MMBT6520LT1G		
BAS20LT1G	BAS20LT1	BAS21LT1G		
BAS20LT1G		BAS21LT1G		
BAS19LT1G	BAS19LT1	BAS21LT1G		
BAS19LT1G		BAS21LT1G		
BAS16LT3G	BAS16LT3	BAS21LT1G		
BAS16LT3G		BAS21LT1G		
BAS16LT1G	BAS16LT1	BAS21LT1G		
BAS16LT1G		BAS21LT1G		
BAS116LT1G	BAS116LT1	BAS21LT1G		
BAS116LT1G		BAS21LT1G		
BAL99LT1G	BAL99LT1	BAS21LT1G		