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西新宿三井ビルディング

報告書番号：PCN#20070712001D-1
2008 年 10 月 28 日

お客様各位

日本テキサス・インスツルメンツ株式会社
営業・技術本部 ビジネスオペレーションズ部
カスタマドキュメント マネージャ 牧 達郎 

TI-Malaysia製造 QFN/TQFNパッケージ製品 モールドコンパウンド変更のご案内
(第五版 追加認定 49 製品の変更時期訂正の連絡)

(第五版 PCN20070712001D 2008 年 10 月 7 日発行)
(第四版 PCN20070712001C 2008 年 4 月 28 日発行、第三版 PCN20070712001B 2008 年 4 月 10 日発行)
(第二版 PCN20070712001 2008 年 3 月 6 日発行、初版 PCN20070712001 2007 年 8 月 1 日発行)

拝啓 貴社益々ご清栄の事とお喜び申し上げます。平素は弊社製品のご愛顧を賜り、厚く御礼申し上げます。さて、標題の件につきまして下記にご連絡させていただきます。ご査収の程、宜しくお願い申し上げます。

敬具

－ 記 －

通知タイプ	☐ Initial notice (Plan)		☒ Final notice	
変更概要	Design/Specification	☐ Design	☐ Electrical	☐ Mechanical
	Wafer Fab	☐ Site	☐ Process	☐ Material
	Wafer Bump	☐ Site	☐ Process	☐ Material
	☒ Assembly	☐ Site	☐ Process	☒ Material
	Test	☐ Site	☐ Process	
	Others	☐ Packing/Shipping/Labeling		☐ -
変更内容	下記変更の第五版 追加認定 49製品の変更時期訂正の連絡になります。 TI-Malaysia製造 QFN/TQFNパッケージ製品 モールドコンパウンド変更 現行 : Sumitomo社 G770HT 変更後: Sumitomo社 G770HCD			
対象製品	対象製品リスト参照			
変更時期	4 月上旬の出荷より実施しています。 追加認定品: 2008 年 11 月上旬の出荷より実施します。			
品質認定試験	☐ 計画		☒ 終了	
製品表示	☒ 変更無し		☐ 変更あり	
備考	—			

尚、変更時期につきましては、在庫状況により異なりますので、担当営業にお問い合わせ下さい。また、ご不明な点、ご質問等がございましたら、担当営業或いはpcn_tij@list.ti.comにお問い合わせ下さい。

以上

変更内容

内容：今回のお知らせは、第五版 追加認定 49製品の変更時期訂正の連絡になります。第五版での変更導入時期に関しまして、対象 49製品の期日を誤って 2009年1月中旬と連絡させていただきましたが、正しくは 2008年11月上旬になります。

弊社 HPA (ハイパフォーマンスアナログ) TI-Malaysia製造 QFN/TQFNパッケージ製品に適用しているモールドコンパウンドについて、現行 Sumitomo社 EME-G770HTを適用し製造しております。今回、Sumitomo社よりのEME-G770HTの製造終了及びEME-G770HCDへの移行の連絡を基に現行のEME-G770HTに替わりSumitomo社 EME-G770HCDに変更し認定しました。尚、追加認定 49製品の出荷につきましては、本通知の90日以降に予定いたしております。また、今回の変更に関連した通知を弊社内変更審査が終了次第、一部追加発行する予定です。

変更内容

モールドコンパウンド

現行

SUM EME-G770HT

変更後

SUM EME-G770HCD

理由：モールドコンパウンドEME-G770HT製造終了及び供給能力の確保の為

対象製品リスト

対象製品名				
□:認定品 ■:追加認定品 取消線/右詰:対象除外品				
ADS1112IDRCR	BQ24751RHDT	SN74AHC86RGYR	TPA6020A2RGWR	TPS62402DRCTG4
ADS1112IDRCRG4	BQ24751RHDTG4	SN74AHC04RGYR	TPA6020A2RGWRG4	TPS62403DRCR
ADS1112IDRCT	BQ2501ORHLR	SN74ALVC00RGYR	TPA6020A2RGWT	TPS62403DRCRG4
ADS1112IDRCTG4	BQ2501ORHLRG4	SN74ALVC04RGYR	TPA6020A2RGWTG4	TPS62403DRCT
ADS1203IRGTR	BQ25012RHLR	SN74ALVC08RGYR	TPA6040A4RHBR	TPS62403DRCTG4
ADS1203IRGTRG4	BQ25012RHLRG4	SN74ALVC244RGYR	TPA6040A4RHBRG4	TPS62410DRCR
ADS1203IRGTT	BQ25015RHLR	SN74ALVC245RGYR	TPA6130A2RTJR	TPS62410DRCRG4
ADS1203IRGTTG4	BQ25015RHLRG4	SN74ALVC245RGYRG4	TPA6130A2RTJRG4	TPS62410DRCT
ADS1204IRHBR	BQ25015RHLT	SN74AUC00RGYR	TPA6130A2RTJT	TPS62410DRCTG4
ADS1204IRHBRG4	BQ25015RHLTG4	SN74AUC00RGYRG4	TPA6130A2RTJTG4	TPS62420DRCR
ADS1205IRGER	BQ25017RHLR	SN74AUC02RGYR	TPA6131A2RTJR	TPS62420DRCRG4
ADS1205IRGERG4	BQ25017RHLRG4	SN74AUC02RGYRG4	TPA6131A2RTJT	TPS62420DRCT
ADS1205IRGET	BQ25017RHLT	SN74AUC04RGYR	TPA6201A1DRB	TPS62420DRCTG4
ADS1205IRGETG4	BQ25017RHLTG4	SN74AUC06RGYR	TPA6201A1DRBG4	TPS62500DRCR
ADS1225IRGVR	BQ27500DRZR	SN74AUC07RGYR	TPA6201A1DRBR	TPS62500DRCT
ADS1225IRGVRG4	BQ27500DRZT	SN74AUC07RGYRG4	TPA6201A1DRBRG4	TPS62510DRCR
ADS1225IRGVT	BQ8032DRZR	SN74AUC08RGYR	TPA6203A1DRB	TPS62510DRCRG4
ADS1225IRGVTG4	BQ8032DRZT	SN74AUC08RGYRG4	TPA6203A1DRBG4	TPS62510DRCT
ADS1226IRGVR	BUF01900A1DRCR	SN74AUC125RGYR	TPA6203A1DRBR	TPS62510DRCTG4
ADS1226IRGVRG4	BUF01900A1DRCRG4	SN74AUC125RGYRG4	TPA6203A1DRBRG4	TPS63000DRCR
ADS1226IRGVT	BUF01900A1DRCT	SN74AUC126RGYR	TPA6204A1DRB	TPS63000DRCRG4
ADS1226IRGVTG4	BUF01900A1DRCTG4	SN74AUC14RGYR	TPA6204A1DRBG4	TPS63000DRCT
ADS5252IRGCR	BUF01901A1DRCR	SN74AUC14RGYRG4	TPA6204A1DRBR	TPS63000DRCTG4
ADS5252IRGCRG4	BUF01901A1DRCRG4	SN74AUC17RGYR	TPA6204A1DRBRG4	TPS63001DRCR
ADS5252IRGCT	BUF01901A1DRCT	SN74AUC17RGYRG4	TPA6205A1DRBR	TPS63001DRCRG4
ADS5252IRGCTG4	BUF01901A1DRCTG4	SN74AUC240RGYR	TPA6205A1DRBRG4	TPS63001DRCT
ADS5254IRGCR	CDC421100RGER	SN74AUC244RGYR	TPA6205A1DRBT	TPS63001DRCTG4
ADS5254IRGCT	CDC421100RGERG4	SN74AUC244RGYRG4	TPA6205A1DRBTG4	TPS63002DRCR
ADS5281IRGCR	CDC421100RGERT	SN74AUC245RGYR	TPA6211A1DRB	TPS63002DRCRG4
ADS5281IRGCT	CDC421100RGCT	SN74AUC245RGYRG4	TPA6211A1DRBG4	TPS63002DRCT
ADS5282IRGCR	CDC421100RGCTG4	SN74AUC32RGYR	TPA6211A1DRBR	TPS63002DRCTG4
ADS5282IRGCT	CDC421106RGER	SN74AUC32RGYRG4	TPA6211A1DRBRG4	TPS63700DRCR
ADS5483IRGCR	CDC421106RGERG4	SN74AUC34RGYR	TPD2E001DRSR	TPS63700DRCRG4
ADS5483IRGCT	CDC421106RGCT	SN74AUC74RGYR	TPD3E001DRSR	TPS63700DRCT
ADS5485IRGCR	CDC421106RGCTG4	SN74AUC74RGYRG4	TPD4E001DRSR	TPS63700DRCTG4
ADS5485IRGCT	CDC421125RGER	SN74AUC240RGYR	TPIC0109RTYR	TPS63701DRCR
ADS5517IRGZR	CDC421125RGERG4	SN74AUC244RGYR	TPS2113ADRBR	TPS63701DRCT
ADS5517IRGZT	CDC421125RGCT	SN74AUC245RGYR	TPS2113ADRBT	TPS65020RHAR
ADS5525IRGZR	CDC421125RGCTG4	SN74AUC04RGYR	TPS2115ADRBR	TPS65020RHARG4
ADS5525IRGZRG4	CDC421156RGER	SN74AVC4T245RGYR	TPS2115ADRBT	TPS65020RHAT
ADS5525IRGZT	CDC421156RGERG4	SN74AVC8T245RHLR	TPS2231MRGPR	TPS65020RHATG4

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ADS5525IRGZTG4	CDC421156RGET	SN74AVCH4T245RGYR	TPS2231MRGPRG4	TPS65021RHAR
ADS5527IRGZR	CDC421156RGETG4	SN74AVCH8T245RHLR	TPS2231MRGPT	TPS65021RHARG4
ADS5527IRGZRG4	CDC421212RGER	SN74CB3Q3125RGYR	TPS2231MRGPTG4	TPS65021RHAT
ADS5527IRGZT	CDC421212RGERG4	SN74CB3Q3244RGYR	TPS2231RGPR	TPS65021RHATG4
ADS5527IRGZTG4	CDC421212RGET	SN74CB3Q3245RGYR	TPS2231RGPRG4	TPS65022RHAR
ADS5529IRGZR	CDC421212RGETG4	SN74CB3Q3253RGYR	TPS2231RGPT	TPS65022RHARG4
ADS5529IRGZT	CDC421250RGER	SN74CB3Q3257RGYR	TPS2231RGPTG4	TPS65022RHAT
ADS5545IRGZR	CDC421250RGERG4	SN74CB3Q3345RGYR	TPS28225DRBR	TPS65022RHATG4
ADS5545IRGZRG4	CDC421250RGET	SN74CB3T3125RGYR	TPS28225DRBRG4	TPS65023RSBR
ADS5545IRGZT	CDC421250RGETG4	SN74CBT3125CRGYR	TPS28225DRBT	TPS65023RSBRG4
ADS5545IRGZTG4	CDC421312RGER	SN74CBT3125CRGYRG4	TPS28225DRBTG4	TPS65023RSBT
ADS5546IRGZR	CDC421312RGERG4	SN74CBT3125RGYR	TPS28226DRBR	TPS65023RSBTG4
ADS5546IRGZRG4	CDC421312RGET	SN74CBT3126RGYR	TPS28226DRBT	TPS65024ORHBR
ADS5546IRGZT	CDC421312RGETG4	SN74CBT3244CRGYR	TPS40040DRBR	TPS65024ORHBRG4
ADS5546IRGZTG4	CDC7005RGZR	SN74CBT3244RGYR	TPS40040DRBRG4	TPS65024ORHBT
ADS5547IRGZR	CDC7005RGZRG4	SN74CBT3245ARGYR	TPS40040DRBT	TPS65024ORHBTG4
ADS5547IRGZRG4	CDC7005RGZT	SN74CBT3245ARGYRG4	TPS40040DRBTG4	TPS650241RHBR
ADS5547IRGZT	CDC7005RGZTG4	SN74CBT3245CRGYR	TPS40041DRBR	TPS650241RHBRG4
ADS5547IRGZTG4	CDCE421RGER	SN74CBT3245CRGYRG4	TPS40041DRBRG4	TPS650241RHBT
ADS5549IRGZR	CDCE421RGERG4	SN74CBT3251RGYR	TPS40041DRBT	TPS650241RHBTG4
ADS5549IRGZT	CDCE421RGET	SN74CBT3251RGYRG4	TPS40041DRBTG4	TPS650242RHBR
ADS61231RHBR	CDCE421RGETG4	SN74CBT3253CRGYR	TPS40074RHLR	TPS650242RHBRG4
ADS61231RHBT	CDCL1810RGZR	SN74CBT3253RGYR	TPS40074RHRLRG4	TPS650242RHBT
ADS61231RHBTG4	CDCL1810RGZRG4	SN74CBT3257CRGYR	TPS40074RHRLT	TPS650242RHBTG4
ADS61241RHBR	CDCL1810RGZT	SN74CBT3257RGYR	TPS40074RHRLTG4	TPS65024RHBR
ADS61241RHBT	CDCL1810RGZTG4	SN74CBT3345CRGYR	TPS40075RHLR	TPS65024RHBT
ADS61241RHBTG4	CDCL6010RGZR	SN74CBT6845CRGYR	TPS40075RHRLRG4	TPS65050RSMR
ADS61251RHBR	CDCL6010RGZRG4	SN74CBTLV3125RGYR	TPS40075RHRLT	TPS65050RSMRG4
ADS61251RHBT	CDCL6010RGZT	SN74CBTLV3126RGYR	TPS40075RHRLTG4	TPS65050RSMT
ADS61251RHBTG4	CDCL6010RGZTG4	SN74CBTLV3245ARGYR	TPS40090RHDR	TPS65050RSMTG4
ADS61431RHBR	CDCM1804RGER	SN74CBTLV3251RGYR	TPS40090RHDRG4	TPS65051RSMR
ADS61431RHBT	CDCM1804RGERG4	SN74CBTLV3253RGYR	TPS40090RHDT	TPS65051RSMRG4
ADS61441RHBR	CDCM1804RGET	SN74CBTLV3257RGYR	TPS40090RHDTG4	TPS65051RSMT
ADS61441RHBT	CDCM1804RGETG4	SN74GTLPI394RGYR	TPS40091RHDR	TPS65051RSMTG4
ADS61451RHBR	CDCM7005RGZR	SN74LV000ARGYR	TPS40091RHDRG4	TPS65052RSMR
ADS61451RHBT	CDCM7005RGZRG4	SN74LV020ARGYR	TPS40091RHDT	TPS65052RSMRG4
ADS6222IRGZR	CDCM7005RGZT	SN74LV040ARGYR	TPS40091RHDTG4	TPS65052RSMT
ADS6222IRGZT	CDCM7005RGZTG4	SN74LV080ARGYR	TPS40100RGER	TPS65052RSMTG4
ADS6223IRGZR	CDCP1803RGER	SN74LV123ARGYR	TPS40100RGERG4	TPS65053RGER
ADS6223IRGZT	CDCP1803RGERG4	SN74LV123ARGYRG4	TPS40100RGET	TPS65053RGERG4
ADS6224IRGZR	CDCP1803RGET	SN74LV125ARGYR	TPS40100RGETG4	TPS65053RGET
ADS6224IRGZT	CDCP1803RGETG4	SN74LV125ATRGYR	TPS40101RGER	TPS65053RGETG4
ADS6225IRGZR	CDCU877ARHAR	SN74LV138ARGYR	TPS40101RGERG4	TPS65054RSMR
ADS6225IRGZT	CDCU877ARHARG4	SN74LV138ATRGYR	TPS40101RGET	TPS65054RSMRG4
ADS6242IRGZR	CDCU877ARHAT	SN74LV139ARGYR	TPS40101RGETG4	TPS65054RSMT
ADS6242IRGZT	CDCU877ARHATG4	SN74LV144RGYR	TPS40130RHBR	TPS65054RSMTG4
ADS6242IRGZTG4	CDCU877RHAR	SN74LV144RGYR-MI	TPS40130RHBRG4	TPS65055RSMR
ADS6243IRGZR	CDCU877RHARG4	SN74LV163ARGYR	TPS40130RHBT	TPS65056RSMR
ADS6243IRGZT	CDCU877RHAT	SN74LV163ARGYRG4	TPS40130RHBTG4	TPS65056RSMRG4
ADS6244IRGZR	CDCU877RHATG4	SN74LV164ARGYR	TPS40131RHBR	TPS65056RSMT
ADS6244IRGZT	CDCVF857RHAR	SN74LV165ARGYR	TPS40131RHBRG4	TPS65056RSMTG4
ADS6245IRGZR	CDCVF857RHARG4	SN74LV165ARGYRG4	TPS40131RHBT	TPS65060RSBR
ADS6245IRGZT	CDCVF857RHAT	SN74LV244ARGYR	TPS40131RHBTG4	TPS65060RSBT
ADS62P151RGCR	CDCVF857RHATG4	SN74LV244ATRGYR	TPS40140RHHR	TPS65100RGER
ADS62P151RGCT	DRV401A1RGWR	SN74LV245ARGYR	TPS40140RHHRG4	TPS65100RGERG4
ADS62P221RGCR	DRV401A1RGWRG4	SN74LV245ARGYRG4	TPS40140RHHT	TPS65101RGER
ADS62P221RGCT	DRV401A1RGWT	SN74LV245ATRGYR	TPS40140RHHTG4	TPS65101RGERG4
ADS62P231RGCR	DRV401A1RGWTG4	SN74LV273ARGYR	TPS40180RGER	TPS65105RGER
ADS62P231RGCT	HPA000931RGZR	SN74LV323ARGYR	TPS40180RGERG4	TPS65105RGERG4
ADS62P241RGCR	INA200A1DRBR	SN74LV373ARGYR	TPS40180RGET	TPS65140RGER
ADS62P241RGCT	INA200A1DRBT	SN74LV373ATRGYR	TPS40180RGETG4	TPS65140RGERG4
ADS62P251RGCR	INA201A1DRBR	SN74LV374ARGYR	TPS40190DRCR	TPS65141RGER
ADS62P251RGCT	INA201A1DRBT	SN74LV374ATRGYR	TPS40190DRCRG4	TPS65141RGERG4
ADS62P421RGCR	INA202A1DRBR	SN74LV4040ARGYR	TPS40190DRCT	TPS65145RGER
ADS62P421RGCT	INA202A1DRBT	SN74LV4040ARGYRG4	TPS40190DRCTG4	TPS65145RGERG4
ADS62P431RGCR	LOG114A1RGVR	SN74LV4051ARGYR	TPS40192DRCR	TPS65150RGER

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ADS62P43IRGCT	LOG114AIRGVRG4	SN74LV4052ARGYR	TPS40192DRCRG4	TPS65150RGERG4
ADS62P44IRGCR	LOG114AIRGVT	SN74LV4052ARGYRG4	TPS40192DRCT	TPS65151RGER
ADS62P44IRGCT	LOG114AIRGVTG4	SN74LV4053ARGYR	TPS40192DRCTG4	TPS65151RSBR
ADS62P45IRGCR	MAX3243ECRHBR	SN74LV4066ARGYR	TPS40193DRCR	TPS65151RSBRMC
ADS62P45IRGCT	MAX3243EIRHBR	SN74LV4066ARGYRG4	TPS40193DRCRG4	TPS65162RGZR
ADS6422IRGCR	MC33063ADJR	SN74LV540ARGYR	TPS40193DRCT	TPS65162RGZRG4
ADS6422IRGCRG4	MC33063ADJRJG4	SN74LV541ARGYR	TPS40193DRCTG4	TPS65167RHAR
ADS6422IRGCT	MC34063ADJR	SN74LV541ATRGYR	TPS40222DRPR	TPS65167RHARG4
ADS6422IRGCTG4	MSP430F2274SRHAEP	SN74LV573ARGYR	TPS40222DRPRG4	TPS65167RHAT
ADS6423IRGCR	ONET1191VRGPR	SN74LV573ARGYRG4	TPS40222DRPT	TPS65167RHATG4
ADS6423IRGCRG4	ONET1191VRGPRG4	SN74LV573ATRGYR	TPS40222DRPTG4	TPS65560RGTR
ADS6423IRGCT	ONET1191VRGPT	SN74LV574ARGYR	TPS51116RGER	TPS65560RGTRG4
ADS6423IRGCTG4	ONET1191VRGPTG4	SN74LV574ARGYRG4	TPS51116RGERG4	TPS65560RGTT
ADS6424IRGCR	ONET4291VARGPR	SN74LV595ARGYR	TPS51116RGET	TPS65560RGTTG4
ADS6424IRGCRG4	ONET4291VARGPRG4	SN74LV595ARGYRG4	TPS51116RGETG4	TPS65561RGTR
ADS6424IRGCT	ONET4291VARGPT	SN74LV74ARGYR	TPS51117RGYR	TPS65561RGTRG4
ADS6424IRGCTG4	ONET4291VARGPTG4	SN74LVC00ARGYR	TPS51117RGYRG4	TPS65561RGTT
ADS6425IRGCR	ONET8511PRGTR	SN74LVC00ARGYRG4	TPS51117RGYT	TPS65561RGTTG4
ADS6425IRGCRG4	ONET8511PRGTT	SN74LVC02ARGYR	TPS51117RGYTG4	TPS65800RTQR
ADS6425IRGCT	ONET8511TRGTT	SN74LVC02ARGYRG4	TPS51120RHBR	TPS65800RTQRG4
ADS6425IRGCTG4	OPA2333AIDRBR	SN74LVC04ARGYR	TPS51120RHBRG4	TPS65800RTQT
ADS6442IRGCR	OPA2333AIDRBRG4	SN74LVC06ARGYR	TPS51120RHBT	TPS65800RTQTG4
ADS6442IRGCRG4	OPA2333AIDRBT	SN74LVC06ARGYRG4	TPS51120RHBTG4	TPS65810RTQR
ADS6442IRGCT	OPA2333AIDRBTG4	SN74LVC07ARGYR	TPS51124RGER	TPS65810RTQRG4
ADS6442IRGCTG4	OPA2381AIDRBR	SN74LVC07ARGYRG4	TPS51124RGERG4	TPS65810RTQT
ADS6443IRGCR	OPA2381AIDRBRG4	SN74LVC08ARGYR	TPS51124RGET	TPS65810RTQTG4
ADS6443IRGCRG4	OPA2381AIDRBT	SN74LVC08ARGYRG4	TPS51124RGETG4	TPS65811RTQR
ADS6443IRGCT	OPA2381AIDRBTG4	SN74LVC10ARGYR	TPS51125RGER	TPS65811RTQRG4
ADS6443IRGCTG4	OPA2677IRGVR	SN74LVC125ARGYR	TPS51125RGET	TPS65811RTQT
ADS6444IRGCR	OPA2677IRGVRG4	SN74LVC125ARGYRG4	TPS51511RHRL	TPS65811RTQTG4
ADS6444IRGCRG4	OPA2677IRGVT	SN74LVC126ARGYR	TPS51511RHRLRG4	TPS71202DRCR
ADS6444IRGCT	OPA2677IRGVTG4	SN74LVC126ARGYRG4	TPS51511RHLT	TPS71202DRCRG4
ADS6444IRGCTG4	OPA2695IRGTR	SN74LVC138ARGYR	TPS51511RHLTG4	TPS71202DRCT
ADS6445IRGCR	OPA2695IRGTT	SN74LVC138ARGYRG4	TPS54317RHFR	TPS71202DRCTG4
ADS6445IRGCRG4	OPA2727AIDRBR	SN74LVC138ARGYR-K	TPS54317RHFRG4	TPS71219DRCR
ADS6445IRGCT	OPA2727AIDRBRG4	SN74LVC139ARGYR	TPS54317RHFT	TPS71219DRCRG4
ADS6445IRGCTG4	OPA2727AIDRBT	SN74LVC14ARGYR	TPS54317RHFTG4	TPS71219DRCT
ADS7827IDRBR	OPA2727AIDRBTG4	SN74LVC14ARGYRG4	TPS54620RGYR	TPS71219DRCTG4
ADS7827IDRBRG4	OPA381AIDRBR	SN74LVC157ARGYR	TPS54620RGYT	TPS71229DRCR
ADS7829IDRBR	OPA381AIDRBRG4	SN74LVC244ARGYR	TPS54621RGYR	TPS71229DRCRG4
ADS7829IDRBRG4	OPA381AIDRBT	SN74LVC244ARGYRG4	TPS54621RGYT	TPS71229DRCT
ADS7829IDRBT	OPA381AIDRBTG4	SN74LVC245ARGYR	TPS60230RGTR	TPS71229DRCTG4
ADS7829IDRBTG4	OPA4207AIRSAR	SN74LVC245ARGYRG4	TPS60230RGTRG4	TPS71247DRCR
ADS7829IDRBR	OPA4207AIRSAT	SN74LVC257ARGYR	TPS60230RGTT	TPS71247DRCRG4
ADS7829IDRBRG4	OPA567AIRHGR	SN74LVC32ARGYR	TPS60230RGTTG4	TPS71247DRCT
ADS7829IDRBT	OPA567AIRHGRG4	SN74LVC373ARGYR	TPS60231RGTR	TPS71247DRCTG4
ADS7829IDRBTG4	OPA567AIRHGT	SN74LVC374ARGYR	TPS60231RGTRG4	TPS71256DRCR
ADS7861IDRBR	OPA567AIRHGTG4	SN74LVC541ARGYR	TPS60231RGTT	TPS71256DRCRG4
ADS7861IDRBRG4	OPA727AIDRBR	SN74LVC541ARGYRG4	TPS60231RGTTG4	TPS71256DRCT
ADS7861IDRBT	OPA727AIDRBRG4	SN74LVC573ARGYR	TPS60251RTWR	TPS71256DRCTG4
ADS7861IDRBTG4	OPA727AIDRBT	SN74LVC573ARGYRG4	TPS60251RTWRG4	TPS71257DRCR
ADS7861IDRBR	OPA727AIDRBTG4	SN74LVC574ARGYR	TPS60251RTWT	TPS71257DRCRG4
ADS7861IDRBRG4	OPA728AIDRBR	SN74LVC574ARGYRG4	TPS60251RTWTG4	TPS71257DRCT
ADS7861IDRBT	OPA728AIDRBRG4	SN74LVC74ARGYR	TPS61010DRCR	TPS71257DRCTG4
ADS7861IDRBTG4	OPA728AIDRBT	SN74LVC74ARGYRG4	TPS61010DRCRG4	TPS71319DRCR
ADS7863IDRGER	OPA728AIDRBTG4	SN74LVC86ARGYR	TPS61010DRCT	TPS71319DRCRG4
ADS7863IDRGET	PCA9534ARGTR	SN74LVC86ARGYRG4	TPS61020DRCR	TPS71319DRCT
ADS7863IRGER	PCA9534ARGVR	SN74LVC87245RHRL	TPS61020DRCRG4	TPS71319DRCTG4
ADS7863IRGET	PCA9534RGVR	SN74LVCH244ARGYR	TPS61024DRCR	TPS71334DRCR
ADS7865IDRBR	PCA9535RGER	SN74LVCH244ARGYRG4	TPS61024DRCRG4	TPS71334DRCRG4
ADS7865IDRBT	PCA9535RTWR	SN74LVCH245ARGYR	TPS61025DRCR	TPS71334DRCT
ADS7865IRHBR	PCA9539RGER	SN74LVCH245ARGYRG4	TPS61025DRCRG4	TPS71334DRCTG4
ADS7865IRHBT	PCA9539RGERG4	SN74LVCH87245RHRL	TPS61026DRCR	TPS715A01DRBR
ADS8285IRGCR	PCA9544ARGYR	SN74LVCR2245ARGYR	TPS61026DRCRG4	TPS715A01DRBRG4
ADS8326IDRBR	PCA9545ARGYR	SN74LVT244BRGYR	TPS61026DRCT	TPS715A01DRBT
ADS8326IDRBT	PCA9546ARGVR	SN74LVT244BRGYRG4	TPS61026DRCTG4	TPS715A01DRBTG4

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ADS83261DRBR	PCA9546ARGYR	SN74LVT245BRGYR	TPS61027DRCR	TPS715A30DRBR
ADS83261DRBT	PCA9548ARGER	SN74LVTH125RGYR	TPS61027DRCRG4	TPS715A30DRBT
ADS83271BRSAR	PCA9554ARGTR	SN74LVTH125RGYRG4	TPS61027DRCRSY	TPS715A33DRBR
ADS83271BRSARG4	PCA9554ARGVR	SN74LVTH240RGYR	TPS61028DRCR	TPS715A33DRBRG4
ADS83271BRSAT	PCA9555RGER	SN74LVTH244ARGYR	TPS61028DRCRG4	TPS715A33DRBT
ADS83271BRSATG4	PCA9557RGVR	SN74LVTH244ARGYRG4	TPS61029DRCR	TPS715A33DRBTG4
ADS83271RSAR	PCA9557RGYR	SN74LVTH245ARGYR	TPS61029DRCRG4	TPS73201DRBR
ADS83271RSARG4	PCF8574ARGYR	SN74LVTH573RGYR	TPS61029DRCT	TPS73201DRBRG4
ADS83271RSAT	PCF8574RGYR	SN74LVTH574RGYR	TPS61029DRCTG4	TPS73201DRBT
ADS83271RSATG4	PCF8574RGYRG4	SN74LVU04ARGYR	TPS61042DRBR	TPS73201DRBTG4
ADS83281BRSAR	PCF8575CRGER	SN74LVU04ARGYRG4	TPS61042DRBRG4	TPS73601DRBR
ADS83281BRSARG4	PCF8575RGER	SN75LBC180RGV	TPS61042DRBT	TPS73601DRBRG4
ADS83281BRSAT	PCM1774RGP	SN75LBC180RSAR	TPS61042DRBTG4	TPS73601DRBT
ADS83281BRSATG4	PCM1774RGPR	SN75LBC180RSARG4	TPS61043DRBR	TPS73601DRBTG4
ADS83281RSAR	PCM1774RGPT	SN75LBC180RSAT	TPS61043DRBRG4	TPS736125DRBR
ADS83281RSARG4	PCM3793ARHB	SN75LBC180RSATG4	TPS61043DRBT	TPS736125DRBRG4
ADS83281RSAT	PCM3793ARHBR	SN8034DRZR	TPS61043DRBTG4	TPS736125DRBT
ADS83281RSATG4	PCM3793ARHBRG4	SN8034DRZT	TPS61045DRBR	TPS736125DRBTG4
ADS83291BRSAR	PCM3793ARHBT	TCA6408RGTR	TPS61045DRBRG4	TPS73615DRBR
ADS83291BRSARG4	PCM3793ARHBTG4	THS4271DRBR	TPS61045DRBT	TPS73615DRBRG4
ADS83291BRSAT	PCM3793RHBR	THS4271DRBRG4	TPS61045DRBTG4	TPS73615DRBT
ADS83291BRSATG4	PCM3793RHBRG4	THS4271DRBT	TPS61050DRCR	TPS73615DRBTG4
ADS83291RSAR	PCM3793RHBT	THS4271DRBTG4	TPS61050DRCRG4	TPS73633DRBR
ADS83291RSARG4	PCM3793RHBTG4	THS4275DRBR	TPS61050DRCT	TPS73633DRBRG4
ADS83291RSAT	PCM3794ARHB	THS4275DRBRG4	TPS61050DRCTG4	TPS73633DRBT
ADS83291RSATG4	PCM3794ARHBR	THS4275DRBT	TPS61052DRCR	TPS73633DRBTG4
ADS83301BRSAR	PCM3794ARHBRG4	THS4275DRBTG4	TPS61052DRCT	TPS73701DRBR
ADS83301BRSARG4	PCM3794ARHBT	THS4302RGTR	TPS61054DRCR	TPS73701DRBRG4
ADS83301BRSAT	PCM3794ARHBTG4	THS4302RGTRG4	TPS61054DRCT	TPS73701DRBT
ADS83301BRSATG4	PCM3794RHBT	THS4302RGTT	TPS61056DRCR	TPS73701DRBTG4
ADS83301RSAR	PCM3794RHBTG4	THS4302RGTTG4	TPS61056DRCT	TPS73701DRPR
ADS83301RSARG4	PPCM1774RGP	THS4303RGTR	TPS61058DRCR	TPS73701DRPT
ADS83301RSAT	PPCM1774RGPR	THS4303RGTRG4	TPS61058DRCRG4	TPS74201RGWR
ADS83301RSATG4	PPCM1774RGPT	THS4303RGTT	TPS61058DRCT	TPS74201RGWRG4
ADS83611RHBR	PPCM3793ARHB	THS4303RGTTG4	TPS61059DRCR	TPS74201RGWT
ADS83611RHBRG4	PPCM3793ARHBR	THS4508RGTR	TPS61059DRCRG4	TPS74201RGWTG4
AIC111RHBR	PPCM3793ARHBT	THS4508RGTRG4	TPS61059DRCT	TPS74301RGWR
AIC111RHBRG4	PPCM3793RHBR	THS4508RGTT	TPS61059DRCTG4	TPS74301RGWRG4
AIC111RHBR	PPCM3793RHBRG4	THS4508RGTTG4	TPS61060DRBR	TPS74301RGWT
AIC111RHBRG4	PPCM3794ARHB	THS4509RGTR	TPS61060DRBRG4	TPS74301RGWTG4
AMC12101RHAR	PPCM3794ARHBR	THS4509RGTRG4	TPS61061DRBR	TPS74401RGWR
AMC12101RHARG4	PPCM3794ARHBT	THS4509RGTT	TPS61061DRBRG4	TPS74401RGWRG4
AMC12101RHAT	PPCM3794RHBR	THS4509RGTTG4	TPS61062DRBR	TPS74401RGWT
AMC12101RHATG4	PPCM3794RHBR	THS4511RGTR	TPS61062DRBRG4	TPS74401RGWTG4
BQ24001RGWR	PSN53003A1RHB	THS4511RGTRG4	TPS61080DRCR	TPS74801DRCR
BQ24001RGWRG4	PSN64018AORHB	THS4511RGTT	TPS61080DRCRG4	TPS74801DRCRG4
BQ24002RGWR	PSN65071A1RTWR	THS4511RGTTG4	TPS61080DRCT	TPS74801DRCT
BQ24002RGWRG4	PSN65071A2RTWR	THS4513RGTR	TPS61080DRCTG4	TPS74801DRCTG4
BQ24003RGWR	PSN66054AORTQ	THS4513RGTRG4	TPS61081DRCR	TPS74901RGWR
BQ24003RGWRG4	PSN66054AORTQR	THS4513RGTT	TPS61081DRCRG4	TPS74901RGWRG4
BQ24007RGWR	PSN66054AOZRTQ	THS4513RGTTG4	TPS61081DRCT	TPS74901RGWT
BQ24007RGWRG4	PSN67013AORHB	THS4520RGTR	TPS61081DRCTG4	TPS74901RGWTG4
BQ24010DRCR	PTP1C0109RTYR	THS4520RGTRG4	TPS61090RSAR	TPS75003MRHLREP
BQ24010DRCRG4	PTPS65800RTQR	THS4520RGTT	TPS61090RSARG4	TPS75003MRHLREP
BQ24012DRCR	PTPS65800RTQRG4	THS4520RGTTG4	TPS61100RGER	TPS75003RHLR
BQ24012DRCRG4	SH6790BBAORGCRG4	THS6132RGWR	TPS61100RGERG4	TPS75003RHLRG4
BQ24013DRCR	SH6962BCAORGCRG4	THS6132RGWRG4	TPS61120RSAR	TPS75003RHILT
BQ24013DRCRG4	SN0401021DRCR	THS6182RHFR	TPS61120RSARG4	TPS75003RHILTG4
BQ24014DRCR	SN0401021DRCRG4	THS6182RHFRG4	TPS61130RSAR	TPS79501DRBR
BQ24014DRCRG4	SN0402128RGZR	THS6182RHFT	TPS61130RSARG4	TPS79501DRBRG4
BQ24020DRCR	SN0403092DRBR	THS6182RHFTG4	TPS61140DRCR	TPS79501DRBT
BQ24020DRCRG4	SN0403092DRBRG4	THS6184RHFR	TPS61140DRCRG4	TPS79501DRBTG4
BQ24022DRCR	SN0405032DRPR	THS6184RHFRG4	TPS61140DRCT	TPS79628DRBR
BQ24022DRCRG4	SN0405032DRPRG4	THS6184RHFT	TPS61140DRCTG4	TPS79628DRBRG4
BQ24023DRCR	SN0504037RGER	THS6184RHFTG4	TPS61141DRCR	TPS79628DRBT
BQ24023DRCRG4	SN0504037RGERG4	TL16C25501RHB	TPS61141DRCRG4	TPS79628DRBTG4

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BQ24024DRCR	SN0510064DRCR	TL16C2550IRHBR	TPS61141DRCT	TPS79650DRBR
BQ24024DRCRG4	SN0510064DRCRG4	TL16C2550RHB	TPS61141DRCTG4	TPS79650DRBRG4
BQ24025DRCR	SN0512022DRBR	TL16C2550RHBR	TPS61145DSCR	TPS79650DRBT
BQ24025DRCRG4	SN0512022DRBRG4	TL16C550D1RHB	TPS61145DSCT	TPS79650DRBTG4
BQ24026DRCR	SN0512022DRBT	TL16C550DRHB	TPS61146DSCR	TRF370315IRGER
BQ24026DRCRG4	SN0512022DRBTG4	TL16C550DRHBR	TPS61146DSCT	TRF370315IRGERG4
BQ24027DRCR	SN0601103RHLR	TL4242DRJR	TPS61147DSCR	TRF370315IRGET
BQ24027DRCRG4	SN0601103RHLRG4	TLC5923RHBR	TPS61147DSCT	TRF370315IRGETG4
BQ24027DRCT	SN0603044RSAR	TLC5923RHBRG4	TPS61150ADRCR	TRF370333IRGER
BQ24027DRCTG4	SN0603044RSARG4	TLC5923RHBT	TPS61150ADRCRG4	TRF370333IRGERG4
BQ24030RHLR	SN0604023DRCR	TLC5923RHBTG4	TPS61150ADRCT	TRF370333IRGET
BQ24030RHLRG4	SN0604023DRCRG4	TLC5924RHBR	TPS61150ADRCTG4	TRF370333IRGETG4
BQ24031RHLR	SN0604023DRCT	TLC5924RHBRG4	TPS61150DRCR	TRF7904RGPR
BQ24031RHLRG4	SN0604023DRCTG4	TLC5924RHBT	TPS61150DRCRG4	TRF7904RGPRG4
BQ24031RHLT	SN0604060RGER	TLC5924RHBTG4	TPS61150DRCT	TRF7904RGPT
BQ24031RHLTG4	SN0604060RGCT	TLC5945RHBR	TPS61150DRCTG4	TRF7904RGPTG4
BQ24032ARHLR	SN0604069DRCR	TLC5945RHBRG4	TPS61151DRCR	TRS3243ECRHBR
BQ24032ARHLRG4	SN0604069DRCRG4	TLC5945RHBT	TPS61151DRCRG4	TRS3243EIRHBR
BQ24032ARHLT	SN0607046DRCR	TLC5945RHBTG4	TPS61151DRCT	TS3A24159DRCR
BQ24032ARHLTG4	SN0607046DRCRG4	TLK1002ARGE	TPS61151DRCTG4	TS3A5017RGYR
BQ24032RHLR	SN0611035DRPR	TLK1002ARGE4	TPS61160DVR	TS3A5018RGYR
BQ24032RHLRG4	SN0611035DRPRG4	TLK1002ARGER	TPS61160DRV	TS3A5018RGYRG4
BQ24035RHLR	SN0701013DRCR	TLK1002ARGERG4	TPS61161DVR	TS3L100RGYR
BQ24035RHLRG4	SN0701013DRCRG4	TLK1002ARGET	TPS61161DRV	TS3L100RGYRG4
BQ24038RHLR	SN0710020RGYR	TLK1002ARGETG4	TPS61170DVR	TS3L110RGYR
BQ24038RHLRG4	SN105085RGWR	TLK1101ERGPR	TPS61170DRV	TS3L110RGYRG4
BQ24038RHLT	SN105085RGWRG4	TLK1101ERGPT	TPS61200DRCR	TS3L4892RHHR
BQ24038RHLTG4	SN212005DRCR	TLK1221RHAR	TPS61200DRCRG4	TS3USB221DRCR
BQ24060DRCR	SN212005DRCRG4	TLK1221RHARG4	TPS61200DRCT	TS3V330RGYR
BQ24060DRCRG4	SN3100D2RGZR	TLK1221RHAT	TPS61200DRCTG4	TS3V340RGYR
BQ24060DRCT	SN3100D2RGZRG4	TLK1221RHATG4	TPS61201DRCR	TS5A22364DRCR
BQ24060DRCTG4	SN3101D2RGZR	TLK6201EARGTR	TPS61201DRCRG4	TS5L100RGYR
BQ24061DRCR	SN3101D2RGZRG4	TLK6201EARGTRG4	TPS61201DRCT	TS5V330RGYR
BQ24061DRCRG4	SN412005RHLR	TLK6201EARGTT	TPS61201DRCTG4	TSC20041RTJR
BQ24061DRCT	SN412005RHLRG4	TLK6201EARGTTG4	TPS61202DRCR	TSC20041RTJT
BQ24061DRCTG4	SN412030DRCR	TLV1117-15CDJR	TPS61202DRCRG4	TSC20051RHFR
BQ24062DRCR	SN412030DRCRG4	TLV1117-15IDJR	TPS61202DRCT	TSC20051RHFT
BQ24062DRCT	SN504023RHLR	TLV1117-18CDJR	TPS61202DRCTG4	TSC20061RTJR
BQ24063DRCR	SN65071A2MRTWR	TLV1117-18IDJR	TPS61202DSCR	TSC20061RTJT
BQ24063DRCT	SN65071A3MRTWR	TLV1117-25CDJR	TPS61202DSCR4	TSC20461RGVR
BQ24064DRCR	SN65C1167ERGYR	TLV1117-25IDJR	TPS61202DSCT	TSC20461RGVRG4
BQ24064DRCRG4	SN65C1168ERGYR	TLV1117-33CDJR	TPS61202DSCTG4	TSC20461RGVT
BQ24064DRCT	SN65LBC180RGV	TLV1117-33CDJR4	TPS62020DRCR	TSC20461RGVTG4
BQ24064DRCTG4	SN65LBC180RSAR	TLV1117-33IDJR	TPS62020DRCRG4	TSC21001RHBR
BQ24070RHLR	SN65LBC180RSARG4	TLV1117-33IDJR4	TPS62021DRCR	TSC21001RHBRG4
BQ24070RHLRG4	SN65LBC180RSAT	TLV1117-50CDJR	TPS62021DRCRG4	TSC21011RGZ
BQ24070RHLT	SN65LBC180RSATG4	TLV1117-50CDJR4	TPS62026DRCR	TSC21011RGZG4
BQ24070RHLTG4	SN65LV1023ARHB	TLV1117-50IDJR	TPS62026DRCRG4	TSC21011RGZR
BQ24071RHLR	SN65LV1023ARHBR	TLV1117CDJR	TPS62040DRCR	TSC21011RGZRG4
BQ24071RHLRG4	SN65LV1023ARHBRG4	TLV1117IDJR	TPS62040DRCRG4	TSC21171RGZR
BQ24071RHLT	SN65LV1023ARHBT	TLV320A1C12K1RHBR	TPS62042DRCR	TSC21171RGZT
BQ24071RHLTG4	SN65LV1224BRHB	TLV320A1C12K1RHBT	TPS62042DRCRG4	TSC22001RHBR
BQ24080DRCR	SN65LV1224BRHBR	TLV320A1C14K1RHBR	TPS62043DRCR	TSC22001RHBRG4
BQ24080DRCRG4	SN65LV1224BRHBRG4	TLV320A1C14K1RHBT	TPS62043DRCRG4	TSC22001RHBR
BQ24080DRCT	SN65LV1224BRHBT	TLV320A1C261RHBR	TPS62044DRCR	TSC22001RHBRG4
BQ24080DRCTG4	SN65LV1224BRHBTG4	TLV320A1C261RHBRG4	TPS62044DRCRG4	TUSB2046B1RHBR
BQ24081DRCR	SN65LVC402RGET	TLV320A1C281RGZR	TPS62046DRCR	TUSB2046B1RHBT
BQ24081DRCRG4	SN65LVC402RGETG4	TLV320A1C281RGZRG4	TPS62046DRCRG4	TXB0104RGYR
BQ24081DRCT	SN65LVC404RGZ	TLV320A1C30001RGZR	TPS62110MRSAREP	TXB0104RGYRG4
BQ24081DRCTG4	SN65LVC404RGZR	TLV320A1C31111RHBR	TPS62110QRSAREP	TXB0108RGYR
BQ24100RHLR	SN65LVC404RGZRG4	TLV320A1C31111RHBT	TPS62110RSAR	TXS0104ERGYR
BQ24100RHLE3	SN65LVC40RGZ	TLV320DAC31111RHBR	TPS62110RSARG4	TXS0104ERGYRG4
BQ24100RHLRG4	SN65LVC40RGZG4	TLV320DAC31111RHBT	TPS62110RSAT	UCC2541RHBR
BQ24103RHLR	SN65LVC40RGZR	TLV320DAC321RHBR	TPS62110RSATG4	UCC2541RHBRG4
BQ24103RHLRG4	SN65LVC40RGZRG4	TLV320DAC321RHBRG4	TPS62111MRSAREP	UCC2541RHBT
BQ24105RHLR	SN65LVC40RGZT	TLV320DAC321RHBT	TPS62111RSAR	UCC2541RHBTG4

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BQ24105RHLRE3	SN65LVCP40RGZTG4	TLV320DAC321RHBTG4	TPS62111RSARG4	UCC27322DRBR
BQ24105RHLRG4	SN65MLVD2DRBR	TLVA1C12K1RHBTG4	TPS62111RSAT	UCC27322DRBT
BQ24108RHLR	SN65MLVD2DRBRG4	TMDS141RHAR	TPS62111RSATG4	UCC28089DRBR
BQ24108RHLRG4	SN65MLVD2DRBT	TMDS141RHARG4	TPS62112MRSAREP	UCC28089DRBT
BQ24113RHLR	SN65MLVD2DRBTG4	TMDS151RHAR	TPS62112RSAR	UCC2897RTJR
BQ24113RHLRE3	SN65MLVD3DRBR	TNETW4284RGZ	TPS62112RSARG4	UCC2897RTJRG4
BQ24113RHLRG4	SN65MLVD3DRBRG4	TPA2005D1DRBQ1	TPS62112RSAT	UCC2897RTJT
BQ24115RHLR	SN65MLVD3DRBT	TPA2005D1DRBR	TPS62112RSATG4	UCC2897RTJTG4
BQ24115RHLRE3	SN65MLVD3DRBTG4	TPA2005D1DRBRG4	TPS62240DRVR	UCD7230RGWR
BQ24115RHLRG4	SN67013A2RHBR	TPA2006D1DRBR	TPS62240DRVRG4	UCD7230RGWRG4
BQ24120RHLR	SN74ABT125RGYR	TPA2006D1DRBRG4	TPS62240DRVT	UCD7230RGWT
BQ24120RHLRG4	SN74ABT125RGYRG4	TPA2006D1DRBT	TPS62240DRVTG4	UCD7230RGWTG4
BQ24120RHLT	SN74ABT126RGYR	TPA2006D1DRBTG4	TPS62243DRVR	UCD9080RHBR
BQ24120RHLTG4	SN74ABT126RGYRG4	TPA2012D2RTJR	TPS62243DRVRG4	UCD9080RHBRG4
BQ24123RHLR	SN74ABT245BRGYR	TPA2012D2RTJRG4	TPS62260DRVR	UCD9080RHBT
BQ24123RHLRG4	SN74ABT573ARGYR	TPA2013D1RGPR	TPS62260DRVRG4	UCD9080RHBTG4
BQ24123RHLT	SN74ABT574ARGYR	TPA3100D2RGZR	TPS62260DRVT	UCD9112RHBR
BQ24123RHLTG4	SN74AHC00RGYR	TPA3100D2RGZRG4	TPS62260DRVTG4	UCD9112RHBRG4
BQ24314DSJR	SN74AHC02RGYR	TPA3100D2RGZT	TPS62261DRVR	UCD9112RHBT
BQ24314DSJT	SN74AHC04RGYR	TPA3100D2RGZTG4	TPS62261DRVRG4	UCD9112RHBTG4
BQ24316DSJR	SN74AHC08RGYR	TPA3101D2RGZR	TPS62261DRVT	VCA2615RGZR
BQ24316DSJT	SN74AHC125RGYR	TPA3101D2RGZRG4	TPS62261DRVTG4	VCA2615RGZRG4
BQ24703RHDR	SN74AHC132RGYR	TPA3101D2RGZT	TPS62262DRVR	VCA2615RGZT
BQ24703RHDRG4	SN74AHC138RGYR	TPA3101D2RGZTG4	TPS62262DRVRG4	VCA2615RGZTG4
BQ24721CRHBR	SN74AHC139RGYR	TPA4411MRTJR	TPS62262DRVT	VCA2617RHBR
BQ24721CRHBRG4	SN74AHC14RGYR	TPA4411MRTJRG4	TPS62262DRVTG4	VCA2617RHBRG4
BQ24721CRHBT	SN74AHC157RGYR	TPA4411MRTJT	TPS62290DRVR	VCA2617RHBT
BQ24721CRHBTG4	SN74AHC32RGYR	TPA4411MRTJTG4	TPS62290DRVRG4	VCA2617RHBTG4
BQ24721RHBR	SN74AHC4066RGYR	TPA4411RTJR	TPS62290DRVT	VCA8500RGCR
BQ24721RHBRG4	SN74AHC74RGYR	TPA4411RTJRG4	TPS62290DRVTG4	VCA8500RGCT
BQ24721RHBT	SN74AHC74RGYRG4	TPA4411RTJT	TPS62351DRCR	XNETW4284RGZ
BQ24721RHBTG4	SN74AHC86RGYR	TPA4411RTJTG4	TPS62351DRCRG4	XTR111A1DRCR
BQ24730RGFR	SN74AHC00RGYR	TPA5050RSAR	TPS62352DRCR	XTR111A1DRCRG4
BQ24730RGFRG4	SN74AHC02RGYR	TPA5050RSARG4	TPS62400DRCR	XTR111A1DRCT
BQ24730RGFT	SN74AHC02RGYRG4	TPA5050RSAT	TPS62400DRCRG4	XTR111A1DRCTG4
BQ24730RGFTG4	SN74AHC04RGYR	TPA5050RSATG4	TPS62400DRCT	XTR117A1DRBR
BQ24740RHDR	SN74AHC08RGYR	TPA5051RSAR	TPS62400DRCTG4	XTR117A1DRBRG4
BQ24740RHDRG4	SN74AHC08RGYRG4	TPA5051RSARG4	TPS62401DRCR	XTR117A1DRBT
BQ24740RHDT	SN74AHC125RGYR	TPA5051RSAT	TPS62401DRCRG4	XTR117A1DRBTG4
BQ24740RHDTG4	SN74AHC138RGYR	TPA5051RSATG4	TPS62401DRCT	XTR300A1RGWR
BQ24750RHDR	SN74AHC14RGYR	TPA5052RSAR	TPS62401DRCTG4	XTR300A1RGWRG4
BQ24750RHDRG4	SN74AHC245RGYR	TPA5052RSARG4	TPS62402DRCR	XTR300A1RGWT
BQ24750RHDT	SN74AHC32RGYR	TPA5052RSAT	TPS62402DRCRG4	XTR300A1RGWTG4
BQ24750RHDTG4	SN74AHC74RGYR	TPA5052RSATG4	TPS62402DRCT	

信頼性試験

下記の信頼性試験では、各パッケージ毎に下表のMSL (Moisture Sense Level) にて認定試験を実施しております。

QFN パッケージ : Level 2-260C	
- 2.5 x 4.0 mm (12DRZ)	- 3.5 x 5.5 mm (24RHL)
- 3.0 x 3.0 mm (6DRP, 8DRB, 10DRC, 16RGT)	- 4.0 x 4.0 mm (16RSA, 16RGV, 20RGP, 24RGE)
- 3.5 x 3.5 mm (14RGY)	- 4.0 x 5.0 mm (24RHF)
- 3.5 x 4.0 mm (16RGY)	- 5.0 x 5.0 mm (12RHG, 20RGW, 28RHD, 32RHB)
- 3.5 x 4.5 mm (20RGY, 20RHL)	
QFN パッケージ : Level 3-260C	
- 6.0 x 6.0 mm (32RHH, 40RHA)	- 8.0 x 8.0 mm (56RTQ)
- 7.0 x 7.0 mm (48RGZ)	- 9.0 x 9.0 mm (44RGG, 64RGC)
Thin QFN パッケージ : Level 2-260C	
- 1.5 x 2.0 mm (10RSD)	- 4.0 x 4.0 mm (8DRJ, 16RGH, 20RTJ, 24RTW)
- 2.0 x 2.0 mm (6DRV)	- 5.0 x 5.0 mm (40RSB)
- 3.0 x 3.0 mm (6DRS, 8DSD, 10DSC, 16RTE)	

信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 - 試料構成詳細				
Qual Device	ADS6442IRGC	Die Rev/Size(mils)	- / 163 x 178	
Wafer fab Site	DM5	Technology/Process	CMOS / 1833C05	
Metal 1-4	Ti/AlCu/TiN	-	-	
Assembly Site	MLA	PKG/Code/Pins	QFN/ RGC/ 64	
Mount compound	ABL 8290	Mold Compound	SUM EME G770HCD	
Bond Wire	TS Au 1.0mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL3-260C	Flammability Rating	UL 94 V-0	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
Bond Pull	-	76/0	76/0	76/0
Bond Shear	-	30/0	30/0	30/0
Manufacturability (Assembly)	Approved	Pass	Pass	Pass
** Biased HAST	130C/85%RH, 96hrs	77/0	77/0	77/0
** Autoclave	121C, 96hrs	77/0	77/0	77/0
X-ray	(top side only)	5/0	5/0	5/0
** Temperature Cycle	-65/150C, 1000cys	82/0	82/0	82/0
	Post Bond Pull at 1000cys	5/0	5/0	5/0
Visual / Mechanical	-	Pass	Pass	Pass
** Thermal Shock	-65/150C, 1000cys	77/0	77/0	77/0
** High Temp Storage Bake	170C, 420hrs	77/0	77/0	77/0
ESD - CDM	1500 V	3/0	3/0	3/0
Flammability	UL 94V-0	5/0	5/0	5/0
	UL-1694	5/0	5/0	5/0
	IEC 695-2-2	5/0	5/0	5/0
Physical Dimensions	-	5/0	5/0	5/0
Moisture Sensitivity	L3-260C	12/0	12/0	12/0
Thermal Path Integrity	L3-260C	12/0	12/0	12/0
**: Preconditioning treated as L3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 - 試料構成詳細				
Qual Device	BQ24721RHB	Die Rev/Size(mils)	- / 92 x 114	
Wafer fab Site	MH8	Technology/Process	BiCMOS / LBC7	
Metal 1-4	ALCu.5	Passivation	10KACN	
Assembly Site	MLA	PKG/Code/Pins	QFN/ RHB/ 32	
Mount compound	ABL 8290	Mold Compound	SUM EME G770HCD	
Bond Wire	TS Au 1.15mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL2-260C	Flammability Rating	UL 94 V-0	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
Physical Dimensions	-	5/0	5/0	5/0
Bond Pull	-	76/0	76/0	76/0
Bond Shear	-	76/0	76/0	76/0
Manufacturability (Assembly)	Approved	Pass	Pass	Pass
** Autoclave	121C, 96hrs	77/0	77/0	77/0
X-ray	(top side only)	5/0	5/0	5/0
** Temperature Cycle	-65/150C, 1000cys	82/0	82/0	82/0
	Post Bond Pull at 1000cys	5/0	5/0	5/0
Visual / Mechanical	-	Pass	Pass	Pass
** Thermal Shock	-65/150C, 1000cys	77/0	77/0	77/0
** High Temp Storage Bake	170C, 420hrs	77/0	77/0	77/0
ESD - CDM	1500 V	3/0	3/0	3/0
Flammability	UL 94V-0	5/0	5/0	5/0
	UL-1694	5/0	5/0	5/0
	IEC 695-2-2	5/0	5/0	5/0
Moisture Sensitivity	L2-260C			12/0
Thermal Path Integrity	L2-260C			12/0
** Preconditioning treated as L2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 - 試料構成詳細				
Qual Device	CDCL6010RGZ	Die Rev/Size(mils)	- / 69 x 69	
Assembly Site	MLA	PKG/Code/Pins	QFN/ RGZ / 48	
Mount compound	ABL 8290	Mold Compound	SUM EME G770HCD	
Bond Wire	TS Au 1.0mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL2-260C	Flammability Rating	UL 94 V-0	
信頼性試験結果				
Reliability Test		Condition / Duration	Sample Size/ Fails	
Board Level Reliability, Modeled		-40/125C, 1000cys	Pass	

信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 — 試料構成詳細				
Qual Device	CDCM1804RGE	Die Rev/Size(mils)	- / 54 x 54	
Wafer fab Site	FFAB	Technology/Process	RF SIGE / RFSiGE 1	
Metal 1-3	TiN/AlCu.6/TiN	Passivation	10KACN/ 7KATEOSox	
Assembly Site	MLA	PKG/Code/Pins	QFN/ RGE / 24	
Mount compound	ABL 8290	Mold Compound	SUM EME G770HCD	
Bond Wire	TS Au 1.0mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL2-260C	Flammability Rating	UL 94 V-0	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
** Life Test	150C, 300hrs	39/0	40/0	40/0
Bond Pull	-	76/0	76/0	76/0
Bond Shear	-	76/0	76/0	76/0
Manufacturability (Assembly)	Approved	Pass	Pass	Pass
** Biased HAST	130C/85%RH, 96hrs	77/0	77/0	77/0
** Autoclave	121C, 96hrs	77/0	77/0	77/0
** Temperature Cycle	-65/150C, 1000cys	82/0	82/0	82/0
Visual / Mechanical	-	Pass	Pass	Pass
** Thermal Shock	-65/150C, 1000cys	77/0	77/0	77/0
** High Temp Storage Bake	170C, 420hrs	77/0	77/0	77/0
ESD - CDM	1000 V	3/0	3/0	3/0
Flammability	UL 94V-0	5/0	5/0	5/0
	UL-1694	5/0	5/0	5/0
	IEC 695-2-2	5/0	5/0	5/0
X-ray	(top side only)	5/0	5/0	5/0
Physical Dimensions	-	5/0	5/0	5/0
Moisture Sensitivity	Level 2 - 260C	12/0	-	-
Thermal Path Integrity	Level 2 - 260C	12/0	-	-
**: Preconditioning treated as L2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 — 試料構成詳細				
Qual Device	MSP430V112RHA	Die Rev/Size(mils)	- / 145 x 149	
Wafer fab Site	TSMC	Technology/Process	- / 0.35DPTM Flash	
Metal 1-3	AlSiCu0.5%	Passivation	5u Polyimide	
Assembly Site	MLA	PKG/Code/Pins	QFN/ RHA / 40	
Mount compound	ABL 8290	Mold Compound	Sum EME G770HCD	
Bond Wire	TS Au 1.0mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL3-260C	Flammability Rating	UL 94 V-0	
信頼性試験結果				
Reliability Test		Condition / Duration		Sample Size/ Fails
Physical Dimensions		-		5/0
Bond Pull		-		76/0
Bond Shear		-		76/0
Manufacturability (Assembly)		Approved		Pass
X-ray		(top side only)		5/0
** Temperature Cycle		-65/150C, 1000cys		82/0
		Post Bond Pull at 1000cys		5/0
Visual / Mechanical		-		Pass
Moisture Sensitivity		Level 3-260C		12/0
Thermal Path Integrity		Level 3-260C		12/0
** - Preconditioning treated as L2/260C				

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信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 - 試料構成詳細				
Qual Device	SH6962BCA0RGC	Die Rev/Size(mils)	- / 119 x 105	
Wafer fab Site	MH8	Technology/Process	BiCMOS / LBC7	
Metal 1-3	Ti/TiN/AlCu.5/TiN	Passivation	10KACN	
Assembly Site	MLA	PKG/Code/Pins	QFN/ RGC / 64	
Mount compound	CRM-1076NS	Mold Compound	SUM EME-G770HCD	
Bond Wire	TS Au 1.0mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL3-260C	Flammability Rating	UL 94 V-0	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
** Life Test	125C, 1000hrs	116/0	116/0	116/0
Physical Dimensions	-	5/0	5/0	5/0
Bond Pull	-	76/0	76/0	76/0
Bond Shear	-	76/0	76/0	76/0
Manufacturability (Assembly)	-	Pass	Pass	Pass
** Biased HAST	130C/85%RH, 96hrs	77/0	77/0	77/0
** Autoclave	121C, 96hrs	77/0	77/0	77/0
X-ray	(top side only)	5/0	5/0	5/0
** Temperature Cycle	-65/150C, 1000cys	82/0	82/0	82/0
	Post Bond Pull at 1000cys	5/0	-	-
Visual / Mechanical	-	Pass	Pass	Pass
** Thermal Shock	-65/150C, 1000cys	77/0	77/0	77/0
** High Temp Storage Bake	170C, 420hrs	77/0	77/0	77/0
ESD - CDM	750 V	3/0	3/0	3/0
Flammability	UL 94V-0	5/0	5/0	5/0
	UL-1694	5/0	5/0	5/0
	IEC 695-2-2	5/0	5/0	5/0
Moisture Sensitivity	Level 3-260C	-	-	12/0
Thermal Path integrity	Level 3-260C	-	-	12/0
**: Preconditioning treated as L3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 — 試料構成詳細				
Qual Device	SN65LVCP40RGZ	Die Rev/Size(mils)	- / 89 x 93	
Wafer fab Site	FFAB	Technology/Process	BICOM / BICOM3	
Metal 1-3	TiN/Cu	Passivation	-	
Assembly Site	MLA	PKG/Code/Pins	QFN/ RGZ / 48	
Mount compound	ABL 8290	Mold Compound	SUM EME G770HCD	
Bond Wire	TS Au 1.0mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL3-260C	Flammability Rating	UL 94 V-0	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
** Life Test	155C, 240hrs	116/0	116/0	116/0
Bond Pull	-	76/0	76/0	76/0
Bond Shear	-	76/0	76/0	76/0
Manufacturability (Assembly)	Approved	Pass	Pass	Pass
** Biased HAST	130C/85%RH, 96hrs	77/0	77/0	77/0
** Autoclave	121C, 96hrs	77/0	77/0	77/0
** Temperature Cycle	-65/150C, 1000cys	82/0	82/0	82/0
	Post Bond Pull at 1000cys	5/0	5/0	5/0
Visual / Mechanical	-	Pass	Pass	Pass
** Thermal Shock	-65/150C, 1000cys	77/0	77/0	77/0
** High Temp Storage Bake	170C, 420hrs	77/0	77/0	77/0
ESD - CDM	1500 V	3/0	3/0	3/0
Flammability	UL 94V-0	5/0	5/0	5/0
	UL-1694	5/0	5/0	5/0
	IEC 695-2-2	5/0	5/0	5/0
X-ray	(top side only)	5/0	5/0	5/0
Physical Dimensions	-	5/0	5/0	5/0
Moisture Sensitivity	Level 3-260C	12/0	12/0	12/0
Thermal Path Integrity	Level 3-260C	12/0	12/0	12/0
**. Preconditioning treated as L3/260C				

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信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 - 試料構成詳細				
Qual Device	SN74LV595ARGY	Die Rev/Size(mils)	M / 55 x 81	
Wafer fab Site	SFAB	Technology/Process	- / EPIC1-S DLM	
Metal 1-2	TIW/AlCu2	Passivation	10KACN	
Assembly Site	MLA	PKG/Code/Pins	QFN/ RGY / 14	
Mount compound	ABL 8290	Mold Compound	Sum EME G770HCD	
Bond Wire	TS Au 1.0mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL2-260C	Flammability Rating	UL 94 V-0	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
Physical Dimensions	-	5/0	5/0	5/0
Bond Pull	-	76/0	76/0	76/0
Bond Shear	-	76/0	76/0	76/0
** Life Test	150C, 500hrs	116/0	116/0	116/0
Manufacturability (Assembly)	Approved	Pass	Pass	Pass
** Biased HAST	130C/85%RH, 96hrs	77/0	76/0	77/0
** Autoclave	121C, 96hrs	77/0	77/0	77/0
X-ray	(top side only)	5/0	5/0	5/0
** Temperature Cycle	-65/150C, 1000cys	82/0	82/0	82/0
	Post Bond Pull at 1000cys	-	5/0	-
Visual / Mechanical	-	Pass	Pass	Pass
** Thermal Shock	-65/150C, 1000cys	77/0	77/0	77/0
** High Temp Storage Bake	170C, 420hrs	77/0	77/0	77/0
ESD - CDM	1500 V	3/0	3/0	3/0
Flammability	UL 94V-0	5/0	5/0	5/0
	UL-1694	5/0	5/0	5/0
	IEC 695-2-2	5/0	5/0	5/0
Moisture Sensitivity	Level 2-260C	-	-	12/0
**: Preconditioning treated as L2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 — 試料構成詳細				
Qual Device(DIE1)	SN8034DRZ	Die Rev/Size(mils)	- / 74 x 93	
Wafer fab Site	TSMC	Technology/Process	- / 0.25u SPTM	
Metal 1-2	TIW/Al	Passivation	SiO2/ Si3N4	
Qual Device(DIE2)	BLBGBQ71525BC	Die Rev/Size(mils)	- / 31 x 28	
Wafer fab Site	DFAB	Technology/Process	- / LBC4X	
Metal 1-2	-	Passivation	-	
Assembly Site	MLA	PKG/Code/Pins	SON / DRZ / 12	
Mount compound	ABLESTIK 8200TI	Mold Compound	Sumitomo G770HCD	
Die Spacer Material	LE-5000	Bond Wire	TS Au 1.0mils	
L/F Composition/Finish	Cu / NiPdAu	Moisture Sensitivity Level	LEVEL2-260C	
Flammability Rating	UL 94 V-0			
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
Physical Dimensions	-	5/0	5/0	5/0
Bond Pull	-	76/0	76/0	76/0
Bond Shear	-	30/0	30/0	30/0
Manufacturability (Assembly)	Approved	Pass	Pass	Pass
X-ray	(top side only)	5/0	5/0	5/0
Visual / Mechanical	-	Pass	Pass	Pass
Flammability	UL 94V-0	5/0	5/0	5/0
	UL-1694	5/0	5/0	5/0
	IEC 695-2-2	5/0	5/0	5/0
Moisture Sensitivity	Level 2-260C	12/0	-	12/0
Thermal Path Integrity	Level 2-260C	12/4 (1)	-	12/2 (1)
**: Preconditioning treated as L2/260C				
(1): Results are comparable to the production device.				

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信賴性試驗結果				
信賴性試驗期間	開始	—	終了	2008 年 2 月 25 日
信賴性試驗 - 試料構成詳細				
Qual Device	TNETW4284RGZ	Die Rev/Size(mils)	- / 175 x 134	
Wafer fab Site	TSMC	Technology/Process	RFCMOS / 0.18 RFCMOS	
Metal 1-3	TaN/Cu	Passivation	-	
Assembly Site	MLA	PKG/Code/Pins	QFN/ RGZ / 48	
Mount compound	ABL 8290	Mold Compound	EME-G770HCD	
Bond Wire	TS Au 1.0mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL3-260C	Flammability Rating	UL 94 V-0	
信賴性試驗結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
ESD-CDM	500 V	3/0	3/2 (1)	3/2 (1)
** Life Test	125C, 1000hrs	128/0	128/0	129/0
Physical Dimensions	-	5/0	5/0	5/0
Bond Pull	-	76/0	76/0	76/0
Bond Shear	-	76/0	76/0	76/0
Manufacturability (Assembly)	Approved	Pass	Pass	Pass
** Autoclave	121C, 96hrs	77/0	77/0	77/0
X-ray	(top side only)	5/0	5/0	5/0
** Temperature Cycle	-65/150C, 1000cys	77/0	77/0	77/0
Visual / Mechanical	-	Pass	Pass	Pass
** Thermal Shock	-65/150C, 1000cys	65/0	77/0	77/0
** High Temp Storage Bake	150C, 1000hrs	76/0	77/0	77/0
Moisture Sensitivity	Level 3-260C	12/0	-	-
Thermal Path Integrity	Level 3-260C	12/0	-	-
**: Preconditioning treated as L3/260C				
(1): Results are comparable to the production device.				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 — 試料構成詳細				
Qual Device(DIE1)	TPA3100D2RGZ	Die Rev/Size(mils)	- / 122 x 77	
Wafer fab Site	DFAB	Technology/Process	BiCMOS / LBC4	
Qual Device(DIE2)	TPA3100D2RGZ	Die Rev/Size(mils)	- / 178 x 92	
Wafer fab Site	DMOS5	Technology/Process	BiCMOS / 3310LBC5.02	
Assembly Site	MLA	PKG/Code/Pins	QFN/ RGZ / 48	
Mount compound	ABL 8290	Mold Compound	Sumitomo G770HCD	
Bond Wire	TS Au 2.0mils	L/F Composition/Finish	Cu / NiPdAu	
Flammability Rating	UL 94 V-0			
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
** Life Test	Ta/Tc=125/150C, 300hrs	118/0	120/0	120/0
Bond Pull	-	76/0	76/0	76/0
Bond Shear	-	76/0	76/0	76/0
X-ray	(top side only)	5/0	5/0	5/0
Visual / Mechanical	-	Pass	Pass	Pass
** High Temp Storage Bake	170C, 420hrs	77/0	77/0	77/0
ESD - CDM	500 V	3/0	3/0	3/0
Flammability	UL 94V-0	5/0	5/0	5/0
	UL-1694	5/0	5/0	5/0
	IEC 695-2-2	5/0	5/0	5/0
**: Preconditioning treated as L3/260C				

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信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 - 試料構成詳細				
Qual Device	TPS61042DRB	Die Rev/Size(mils)	A / 57 x 47	
Wafer fab Site	MH6	Technology/Process	CMOS / 3370A12	
Metal 1-2	TiW/AiCu.5	Passivation	12KACN	
Assembly Site	MLA	PKG/Code/Pins	SON/ DRB / 8	
Mount compound	ABL 8290	Mold Compound	Sum EME G770HCD	
Bond Wire	TS Au 1.3mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL2-260C	Flammability Rating	UL 94 V-0	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
** Life Test	155C, 240hrs	116/0	116/0	116/0
Bond Pull	-	76/0	76/0	76/0
Bond Shear	-	30/0	30/0	30/0
Manufacturability (Assembly)	Approved	Pass	Pass	Pass
** Biased HAST	130C/85%RH, 96hrs	74/0	77/0	77/0
X-ray	(top side only)	5/0	5/0	5/0
Visual / Mechanical	-	Pass	Pass	Pass
**: Preconditioning treated as L2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 - 試料構成詳細				
Qual Device	TPS62410DRC	Die Rev/Size(mils)	C / 65 x 95	
Wafer fab Site	FFAB	Technology/Process	- / 3370A12	
Metal 1-3	TiW/AiCu.5	Passivation	10KACN	
Assembly Site	MLA	PKG/Code/Pins	SON/ DRC / 10	
Mount compound	ABL 8290	Mold Compound	Sum EME G770HCD	
Bond Wire	TS Au 1.3mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL2-260C	Flammability Rating	UL 94 V-0	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
Physical Dimensions	-	5/0	5/0	5/0
Bond Pull	-	76/0	76/0	76/0
Bond Shear	-	76/0	76/0	76/0
Manufacturability (Assembly)	Approved	Pass	Pass	Pass
** Autoclave	121C, 96hrs	77/0	77/0	77/0
X-ray	(top side only)	5/0	5/0	5/0
** Temperature Cycle	-65/150C, 1000cys	82/0	82/0	82/0
	Post Bond Pull at 1000cys	5/0	5/0	5/0
Visual / Mechanical	-	Pass	Pass	Pass
** Thermal Shock	-65/150C, 1000cys	77/0	77/0	77/0
** High Temp Storage Bake	170C, 420hrs	77/0	77/0	77/0
ESD - CDM	1500 V	3/0	3/0	3/0
Flammability	UL 94V-0	5/0	5/0	5/0
	UL-1694	5/0	5/0	5/0
	IEC 695-2-2	5/0	5/0	5/0
Moisture Sensitivity	Level 2-260C	-	12/0	-
Thermal Path Integrity	Level 2-260C	-	12/0	-
*: Preconditioning treated as L2/260C				

信頼性試験結果					
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日	
信頼性試験 - 試料構成詳細					
Qual Device	TPS65020RSB	Die Rev/Size(mils)	- / 122 x 123		
Wafer fab Site	FFAB	Technology/Process	- / 3370A12		
Assembly Site	MLA	PKG/Code/Pins	TQFN / RSB / 40		
Mount compound	ABL 8200TI	Mold Compound	Sum EME G770HCD		
Bond Wire	TS Au 1.3mils	L/F Composition/Finish	Cu / NiPdAu		
Moisture Sensitivity Level	LEVEL2-260C	Flammability Rating	UL 94 V-0		
信頼性試験結果					
Reliability Test	Condition / Duration	Sample Size/ Fails			
		Lot A	Lot B	Lot C	
Physical Dimensions	-	5/0	5/0	5/0	
Bond Pull	-	76/0	76/0	76/0	
Bond Shear	-	76/0	76/0	76/0	
Manufacturability (Assembly)	Approved	Pass	Pass	Pass	
** Autoclave	121C, 96hrs	77/0	76/0	77/0	
X-ray	(top side only)	5/0	5/0	5/0	
** Temperature Cycle	-65/150C, 1000cys	82/0	82/0	82/0	
	Post Bond Pull at 1000cys	5/0	5/0	5/0	
Visual / Mechanical	-	Pass	Pass	Pass	
** Thermal Shock	-65/150C, 1000cys	77/0	77/0	77/0	
** High Temp Storage Bake	170C, 420hrs	77/0	77/0	77/0	
ESD - CDM	1500 V	3/0	3/0	3/0	
Flammability	UL 94V-0	5/0	5/0	5/0	
	UL-1694	5/0	5/0	5/0	
	IEC 695-2-2	5/0	5/0	5/0	
Moisture Sensitivity	Level 2-260C	-	12/0	-	
Thermal Path Integrity	Level 2-260C	-	12/8 (1)	-	
** : Preconditioning treated as L2/260C		(1): Results are comparable to the production device.			

信頼性試験結果				
信頼性試験期間	開始	—	終了	2008 年 2 月 25 日
信頼性試験 — 試料構成詳細				
Qual Device	TS5A23159RSDR	Die Rev/Size(mils)	- / 38 x 29	
Wafer fab Site	FFAB	Technology/Process	CMOS / A3C10TPI	
Metal 1	TiW/AICu2	Metal 2	TiW/AICu.5	
Passivation	10KACN			
Assembly Site	MLA	PKG/Code/Pins	TQFN / RSD / 10	
Mount compound	LE5000	Mold Compound	SUM G770HCD	
Bond Wire	TS Au 1.0mils	L/F Composition/Finish	Cu / NiPdAu	
Moisture Sensitivity Level	LEVEL2-260C	Flammability Rating	UL 94 V-0	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot A	Lot B	Lot C
Bond Shear	-	30/0	30/0	30/0
** Life Test	150C, 500hrs	116/0	116/0	116/0
Manufacturability (Assembly)	Approved	Pass	Pass	Pass
** Biased HAST	130C/85%RH, 96hrs	77/0	77/0	77/0
** Autoclave	121C, 96hrs	77/0	77/0	77/0
** Temperature Cycle	-65/150C, 1000cys	82/0	82/0	82/0
	Post Bond Pull at 1000cys	5/0	-	-
Visual / Mechanical	-	Pass	Pass	Pass
** Thermal Shock	-65/150C, 1000cys	77/0	77/0	77/0
** High Temp Storage Bake	170C, 420hrs	77/0	77/0	77/0
ESD - CDM	1500 V	3/0	3/0	3/0
Flammability	UL 94V-0	5/0	5/0	5/0
	UL-1694	5/0	5/0	5/0
	IEC 695-2-2	5/0	5/0	5/0
X-ray	(top side only)	5/0	5/0	5/0
Physical Dimensions		5/0	5/0	5/0
Moisture Sensitivity	Level 2-260C	12/0	12/0	12/0
** : Preconditioning treated as L2/260C				