



本社：〒160-8366

東京都新宿区西新宿 6 丁目 24 番 1 号
西新宿三井ビルディング

報告書番号：PCN#20120223003

2012 年 2 月 29 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 カスタムドキュメント
マネージャ 牧 達郎 (牧)

HPA/PWR/HVAL 一部製品 Cu(銅)線ボンディングワイア変更のご案内

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。

今回のお知らせは、変更実施についての連絡になります。変更の詳細は、次頁以降をご参照下さい。

お客様におかれましては、本通知発行日後、**30** 日以内に通知確認のご連絡をお願いいたします。また、30 日以内にご連絡が無い場合には、本変更をご承認いただいたものと判断させていただきます。変更品評価用サンプルもしくは追加データご入用の場合には、本通知発行日後 30 日以内にご依頼をお願いいたします。

変更品の出荷につきましては、お客様との早期変更実施の個別契約を締結している場合を除いては、本通知発行日より **90** 日以降に予定いたしております。この通知期間は、弊社品質標準に基づいております。

本通知は、いかなる製品の製造終了に関する状況を変更するものではありません。既に製造終了の連絡をさせていただいている場合には、本通知によって、既通知の最終受注日及び最終出荷日が延長されることはありません。

本通知は、通知日前 24 ヶ月以内に本変更対象製品をご購入いただいたお客様に連絡させていただいております。

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

変更概要

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	HPA/PWR/HVAL 一部製品 Cu(銅)線ボンディングワイア変更 現行 : Au(金)線 変更後 : Cu(銅)線			
対象製品	対象製品リスト参照			
変更時期	6月上旬の出荷より予定しています。			
品質認定試験	☐ 計画	☒ 終了		
製品表示	☒ 変更無し	☐ 変更あり		
備考	—			

変更内容

内容：弊社 HPA(ハイパフォーマンスアナログ)/PWR(パワーマネジメント)/HVAL(ハイボリュームアナログロジック) 一部製品について、現行 Au(金)線ボンディングワイアを使用して製造していますが、機械/電気的特性の向上、同種製品の組立技術推移対応及び供給能力/部材調達利便性向上の為に、Cu(銅)線ボンディングワイアに変更します。尚、今回の変更で、製品についての互換性(寸法/公差)、外観、動作特性、品質、信頼性への影響はありません。

変更内容
ボンディングワイア

現行
Au(金)線

変更後
Cu(銅)線

現行 Au(金)線 ワイヤ径(mils)	変更後 Cu(銅)線 ワイヤ径(mils)
0.7, 0.8, 0.9, 0.96, 1.0 1.15, 1.2, 1.31, 1.97, 1.98	0.8, 0.96, 1.3, 2.0

理由：機械/電気的特性の向上、同種製品の組立技術推移対応及び供給能力/部材調達利便性向上の為

詳細：

対象製品と同種パッケージ製品は、既報 PCN20101215001 (2011 年 1 月 4 日発行) 及び PCN20110919000 (2011 年 11 月 22 日発行) において認定されています。下記信頼性試験結果を参照下さい。本通知は、同種パッケージ製品の Cu(銅)線ボンディングワイア変更について追加製品の連絡になります。

Reference Qualification Number	Cu Wire Diameter / Package Type
#1	0.8 mils / TSSOP
#2	0.96 mils / TSSOP
#3	1.3 mils / TSSOP
#4	2.0 mils / TSSOP
#5	0.8 mils / QFP
#6	0.96 mils / QFP
#7	0.8 mils / QFN
#8	0.96 mils / QFN
#9	1.3 mils / QFN
#10	2.0 mils / QFN
#11	0.8 mils / BGA
#12	0.96 mils / BGA
#13	0.96 mils / PDIP

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対象製品リスト

対象製品名
0.8mils 径 Cu(銅) ワイヤ

74ALVC164245GRDR	CDCLVC1104PWR	SN74AVCA164245KR	SN74LVC574AZQNR	SN74LVTH16374GQLR
74ALVC164245ZQLR	CDCLVC1106PW	SN74AVCAH164245KR	SN74LVCH16244AGQLR	SN74LVTH16374GRDR
74ALVC164245ZRDR	CDCLVC1106PWR	SN74AVCB164245KR	SN74LVCH16244AGRDR	SN74LVTH16500GQLR
74ALVCH162373ZQLR	CDCLVC1108PW	SN74AVCB324245KR	SN74LVCH16244AZQLR	SN74LVTH322374KR
74ALVCH16244GRDR	CDCLVC1108PWR	SN74AVCBH164245KR	SN74LVCH16244AZRDR	SN74LVTH32244GKER
74ALVCH16244ZQLR	CDCLVC1110PW	SN74AVCBH324245KR	SN74LVCH16245AGQLR	SN74LVTH32244ZKER
74ALVCH16244ZRDR	CDCLVC1110PWR	SN74CB3Q16211GQLR	SN74LVCH16245AGRDR	SN74LVTH32245GKER
74ALVCH16245ZRDR	CDCLVC1112PW	SN74CB3Q16211ZQLR	SN74LVCH16245AZRDR	SN74LVTH32245ZKER
74ALVCH16373GRDR	CDCLVC1112PWR	SN74CB3Q32245GKER	SN74LVCH16373AZQLR	SN74LVTH32373GKER
74ALVCH16373ZQLR	DRV2603ZQVR	SN74CB3Q32245ZKER	SN74LVCH16373AZRDR	SN74LVTH32373ZKER
74ALVCH16373ZRDR	DRV2603ZQVT	SN74CB3Q3244ZQNR	SN74LVCH16374AGQLR	SN74LVTH32374GKER
74ALVCH16374ZQLR	PCM3070IRHBT	SN74CB3Q3245GQNR	SN74LVCH16374AZQLR	SN74LVTH32374ZKER
74ALVCH16501ZQLR	PDRV2603ZQVR	SN74CB3Q3245ZQNR	SN74LVCH16543AGQLR	SN74VMEH22501AGQLR
74ALVCH32244ZKER	PVSP6244BZRCR	SN74CB3T16211GQLR	SN74LVCH32244AKR	SN74VMEH22501AZQLR
74ALVCH32245ZKER	SN74ALVC16244AGQLR	SN74CB3T16211ZQLR	SN74LVCH32244GKER	SN74VMEH22501GQLR
74ALVCH32374ZKER	SN74ALVC16244AGRDR	SN74CB3T16212ZQLR	SN74LVCH32244AZKER	SN74VMEH22501ZQLR
74ALVCH32501ZKFR	SN74ALVC16244AZQLR	SN74CBT16211AZQLR	SN74LVCH32245GKER	TAS5534DGG
74ALVCH32973ZKER	SN74ALVC16244AZRDR	SN74CBT16212AZQLR	SN74LVCH32245AZKER	TAS5534DGG
74ALVCHR16245ZQLR	SN74ALVC164245KR	SN74CBT32245GKER	SN74LVCH32373AGKER	TAS5538DGG
74ALVTH16244ZQLR	SN74ALVC16834ZQLR	SN74CBT32245ZKER	SN74LVCH32373AZKER	TAS5538DGG
74ALVTH16245ZQLR	SN74ALVCH162373KR	SN74CBT3245AZQNR	SN74LVCH32374AGKER	TCA6404ZXUR
74ALVTH16373ZQLR	SN74ALVCH16244KR	SN74CBTK32245GKER	SN74LVCH32374AZKER	TLV320A1C101GQER
74ALVTH16374ZQLR	SN74ALVCH16245KR	SN74CBTK32245ZKER	SN74LVCHR16245AKR	TLV320A1C1103GQER
74ALVTH32244ZKER	SN74ALVCH16373KR	SN74GTL2033ZQLR	SN74LVCHR32245AKR	TLV320A1C1103ZQE
74ALVTH32373ZKER	SN74ALVCH16374KR	SN74GTL2034ZQLR	SN74LVCR162245KR	TLV320A1C1103ZQER
74ALVTH32374ZKER	SN74ALVCH16501KR	SN74GTL22033ZQLR	SN74LVCR16245AZQLR	TLV320A1C1110GQER
74ALVTHR16245ZQLR	SN74ALVCH32244KR	SN74GTL22034ZQLR	SN74LVCR2245AZQNR	TLV320A1C1110ZQER
74AVCA164245ZQLR	SN74ALVCH32245KR	SN74GTLPH1645GQLR	SN74LVCR32245AGKER	TLV320A1C3012IRHBT
74AVCAH164245ZQLR	SN74ALVCH32374KR	SN74GTLPH1645ZQLR	SN74LVCR32245AZKER	TLV320A1C3016IRHBR
74AVCB164245GRDR	SN74ALVCH32501KR	SN74GTLPH16927ZQLR	SN74LVZ32240AGKER	TLV320A1C3016IRHBT
74AVCB164245ZQLR	SN74ALVCH32973KR	SN74GTLPH3245GKFR	SN74LVZ32240AZKER	TLV320DAC33BN1ZQCT
74AVCB164245ZRDR	SN74ALVCH373ZQNR	SN74GTLPH3245ZKFR	SN74LVZ32244AGKER	TLV320DAC33NI ZQC
74AVCB324245ZKER	SN74ALVTH16245KR	SN74GTLPH32912ZKFR	SN74LVZ32244AZKER	UCD90120ARGCR
74AVCBH164245ZQLR	SN74ALVTH16373KR	SN74GTLPH32916ZKFR	SN74LVZ32245AGKER	UCD90120ARGCT
74AVCBH324245ZKER	SN74ALVTH16374KR	SN74GTLPH32945KR	SN74LVZ32245AZKER	UCD90124ARGCR
74AVCH16T245ZQLR	SN74ALVTH32244KR	SN74GTLPH32945ZKER	SN74LVT162244AGQLR	UCD90124ARGCT
74LVCH322244AZKER	SN74ALVTH32373KR	SN74LV4320AGKFR	SN74LVT162244AGRDR	UCD90124NPFC
74LVCHR16245AGRDR	SN74ALVTH32374KR	SN74LV4320AZKFR	SN74LVT162244AZQLR	UCD90124NPFCR
74LVCHR16245AZQLR	SN74ALVTHR16245KR	SN74LV574AZQNR	SN74LVT162244AZRDR	UCD90160RGCR
74LVCHR16245AZRDR	SN74AUC16244GQLR	SN74LVC139AZQNR	SN74LVT162245AGQLR	UCD90160RGCT
74LVCHR32245AZKER	SN74AUC16244ZQLR	SN74LVC162244AGQLR	SN74LVT162245AZRDR	UCD9090RGZR
74LVCR162245ZQLR	SN74AUC16245GQLR	SN74LVC162244AGRDR	SN74LVT16244BGQLR	UCD9090RGZT
74LVTH162244GRDR	SN74AUC16245ZQLR	SN74LVC162244AZQLR	SN74LVT16244BZQLR	UCD90910-VRGCR
74LVTH162244ZQLR	SN74AUC16373GQLR	SN74LVC16244AGQLR	SN74LVT16244BZRDR	UCD90910-VRGCT
74LVTH162244ZRDR	SN74AUC16373ZQLR	SN74LVC16244AGRDR	SN74LVT16245BGQLR	UCD9222RGZR
74LVTH162245GRDR	SN74AUC245ZQNR	SN74LVC16244AZQLR	SN74LVT16245BGRDR	UCD9222RGZT
74LVTH162245ZQLR	SN74AUC32244GKER	SN74LVC16244AZRDR	SN74LVT16245BZQLR	UCD9244NRGCR
74LVTH162245ZRDR	SN74AUC32244ZKER	SN74LVC16245AGQLR	SN74LVT16245BZRDR	UCD9244NRGCT
74LVTH162373ZQLR	SN74AUC32245GKER	SN74LVC16245AGRDR	SN74LVT244BGQNR	UCD9244RGCR
74LVTH162374ZQLR	SN74AUC32245ZKER	SN74LVC16245AZQLR	SN74LVT244BZQNR	UCD9244RGCT
74LVTH162374ZRDR	SN74AUC32374GKER	SN74LVC16245AZRDR	SN74LVT245BZQNR	UCD9246ERGCR
74LVTH322374ZKER	SN74AUC32374ZKER	SN74LVC16373AGQLR	SN74LVT32244GKER	UCD9246ERGCT
AVC16T245ZQLR-D	SN74AUCH16244GQLR	SN74LVC16373AZQLR	SN74LVT32244ZKER	UCD9246FRGCR

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AVC20T245ZQLR-D	SN74AUCH16244ZQLR	SN74LVC16373AZRDR	SN74LVTH162244KR	UCD9246FRGCT
BQ500110RGZR	SN74AUCH16374GQLR	SN74LVC16374AGRDR	SN74LVTH162245KR	UCD9248EPFC
BQ500110RGZT	SN74AUCH16374ZQLR	SN74LVC16374AZQLR	SN74LVTH162373KR	UCD9248EPFCR
BQ500210RGZR	SN74AUCH32244GKER	SN74LVC16374AZRDR	SN74LVTH162374KR	VSP5611RSHR
BQ500210RGZT	SN74AUCH32244ZKER	SN74LVC32244GKER	SN74LVTH16244AGQLR	VSP5612RSHR
BQ500211RGZR	SN74AUCH32374GKER	SN74LVC32244ZKER	SN74LVTH16244AGRDR	VSP5620RSLR
BQ500211RGZT	SN74AUCH32374ZKER	SN74LVC32245GKER	SN74LVTH16244AZQLR	VSP5621RSLR
BQ50050W100RGZR	SN74AVC16244GQLR	SN74LVC32245ZKER	SN74LVTH16244AZRDR	VSP5622RSLR
BQ50050W100RGZT	SN74AVC16244ZQLR	SN74LVC32373AGKER	SN74LVTH16245AGQLR	VSP6300AZSPR
CDCE925R08PWR	SN74AVC16373ZQLR	SN74LVC32373AZKER	SN74LVTH16245AGRDR	VSP6300ZRCR
CDCE949RGER	SN74AVC16374GQLR	SN74LVC32374AGKER	SN74LVTH16245AZQLR	VSP6300ZSPR
CDCLVC1102PW	SN74AVC16374ZQLR	SN74LVC32374AZKER	SN74LVTH16245AZRDR	VSP6826ZRCR
CDCLVC1102PWR	SN74AVC16T245GQLR	SN74LVC373AGQNR	SN74LVTH16373GQLR	VSP8244AZRCR
CDCLVC1103PW	SN74AVC16T245ZQLR	SN74LVC373AZQNR	SN74LVTH16373GRDR	VSP9800DAR
CDCLVC1103PWR	SN74AVC20T245ZQLR	SN74LVC573AGQNR	SN74LVTH16373ZQLR	
CDCLVC1104PW	SN74AVC32374GKER	SN74LVC573AZQNR	SN74LVTH16373ZRDR	

対象製品名 0.96mils 径 Cu(銅)ワイヤ				
74AC11000N	CD74HC123E	LM358PWRG4-JF	SN74BCT245N	TLC1542CN
74AC11000NE4	CD74HC123EE4	MAX202CN	SN74BCT245NE4	TLC1542CNE4
74AC11004N	CD74HC125E	MAX2021N	SN74BCT373N	TLC15421N
74AC11004NE4	CD74HC125EE4	MAX232ECN	SN74BCT373NE4	TLC15421NE4
74AC11008N	CD74HC126E	MAX232ECNE4	SN74BCT374N	TLC1543CN
74AC11008NE4	CD74HC126EE4	MAX232E1N	SN74BCT374NE4	TLC1543CNE4
74AC11032N	CD74HC132E	MAX232E1NE4	SN74BCT540AN	TLC15431N
74AC11032NE4	CD74HC132EE4	MPC508AP	SN74BCT540ANE4	TLC15431NE4
74AC11074N	CD74HC137E	MPC508APG4	SN74BCT541AN	TLC1549CP
74AC11074NE4	CD74HC137EE4	MPC509AP	SN74BCT541ANE4	TLC1549CPE4
74AC11086N	CD74HC138E	MPC509APG4	SN74BCT573N	TLC15491P
74AC11086NE4	CD74HC138EE4	ONET1121LRGER	SN74BCT573NE4	TLC15491PE4
74AC11138N	CD74HC139E	ONET1121LRGET	SN74BCT574N	TLC2201CP
74AC11138NE4	CD74HC139EE4	ONET1141LRGER	SN74BCT574NE4	TLC2201CPE4
74AC11257N	CD74HC147E	ONET1141LRGET	SN74BCT623N	TLC22011P
74AC11257NE4	CD74HC147EE4	ONET1151MRGTR	SN74BCT623NE4	TLC22011PE4
74ACT11000N	CD74HC14E	ONET1151MRGTT	SN74BCT640N	TLC2202CP
74ACT11000NE4	CD74HC14EE4	ONET8541TRGT	SN74BCT640NE4	TLC2202CPE4
74ACT11004N	CD74HC151E	OPA1604A1PW	SN74BCT756N	TLC22021P
74ACT11004NE4	CD74HC151EE4	OPA1604A1PWR	SN74BCT756NE4	TLC22021PE4
74ACT11008N	CD74HC153E	OPA211A1DRGR	SN74BCT757N	TLC2274A1PW
74ACT11008NE4	CD74HC153EE4	OPA211A1DRGRG4	SN74BCT757NE4	TLC2274A1PWG4
74ACT11030N	CD74HC157E	OPA211A1DRGT	SN74BCT760N	TLC251ACP
74ACT11030NE4	CD74HC157EE4	OPA211A1DRGTG4	SN74BCT760NE4	TLC251ACPE4
74ACT11032N	CD74HC161E	OPA2111DRGR	SN74CB3Q3306PW	TLC251BCP
74ACT11032NE4	CD74HC161EE4	OPA2111DRGT	SN74CBTLV3257RGYR	TLC251BCPE4
74ACT11074N	CD74HC163E	OPA2314A1DRBR	SN74F169N	TLC251CP
74ACT11074NE4	CD74HC163EE4	OPA2314A1DRBT	SN74F169NE4	TLC251CPE4
74AVC4T245RGYRG4	CD74HC164E	OPA2320A1DRGR	SN74F240N	TLC252BCP
74AVCH4T245RGYRG4	CD74HC164EE4	OPA2320A1DRGT	SN74F240NE4	TLC252BCPE4
74CBTLV3257RGYRG4	CD74HC165E	OPA2322A1DRGR	SN74F241N	TLC252CP
74LVCE161284DGGRE4	CD74HC165EE4	OPA2322A1DRGT	SN74F241NE4	TLC252CPE4
74LVCE161284DGGRG4	CD74HC166E	OPA2355A1RGTR	SN74F244N	TLC2543CN
ADS11481RHBR	CD74HC166EE4	OPA4170A1PW	SN74F244NE4	TLC2543CNE4
ADS11481RHBT	CD74HC173E	OPA4170A1PWR	SN74F245N	TLC25431N
ADS11911PBS	CD74HC173EE4	OPA4171A1PW	SN74F245NE4	TLC25431NE4
ADS11911PBSR	CD74HC174E	OPA4171A1PWR	SN74F299N	TLC254ACN

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ADS1191IRSMR	CD74HC174EE4	OPA4241PA	SN74F299NE4	TLC254ACNE4
ADS1191IRSMT	CD74HC175E	OPA4241PAG4	SN74F373N	TLC254BCN
ADS1192IPBS	CD74HC175EE4	OPA4314AIPW	SN74F373NE4	TLC254BCNE4
ADS1192IPBSR	CD74HC190E	OPA4314AIPWR	SN74F374N	TLC254CN
ADS1192IRSMR	CD74HC190EE4	OPA4322AIPW	SN74F374NE4	TLC254CNE4
ADS1192IRSMT	CD74HC191E	OPA4322AIPWR	SN74F377AN	TLC25L2BCP
ADS1194CPAG	CD74HC191EE4	OPA4322SAIPW	SN74F377ANE4	TLC25L2BCPE4
ADS1194CPAGR	CD74HC192E	OPA4322SAIPWR	SN74F521N	TLC25L2CP
ADS1196CPAG	CD74HC192EE4	OPA564AIPWP	SN74F521NE4	TLC25L2CPE4
ADS1196CPAGR	CD74HC193E	OPA564AIPWR	SN74F541N	TLC25L4ACN
ADS1198CPAG	CD74HC193EE4	PCA9538RGTR	SN74F541NE4	TLC25L4ACNE4
ADS1198CPAGR	CD74HC194E	PCA9544ARGWR	SN74F573N	TLC25L4BCN
ADS1248IRHBR	CD74HC194EE4	PCA9545ARGWR	SN74F573NE4	TLC25L4BCNE4
ADS1248IRHBT	CD74HC195E	PCF8574AN	SN74F574N	TLC25L4CN
ADS1291IPBS	CD74HC195EE4	PCF8574ANE4	SN74F574NE4	TLC25L4CNE4
ADS1291IPBSR	CD74HC20E	PCF8574N	SN74GTL2003PW	TLC25M2ACP
ADS1291IRSMR	CD74HC20EE4	PCF8574NE4	SN74GTL2003PWR	TLC25M2ACPE4
ADS1291IRSMT	CD74HC21E	PCF8575CRHLR	SN74HC00AN	TLC25M2CP
ADS1292IPBS	CD74HC21EE4	PC1950PT	SN74HC00ANE4	TLC25M2CPE4
ADS1292IPBSR	CD74HC221E	PC1950PTG4	SN74HC00N	TLC25M4BCN
ADS1292IRSMR	CD74HC221EE4	PCM1602AMPTR	SN74HC00NE4	TLC25M4BCNE4
ADS1292IRSMT	CD74HC237E	PCM1770PW	SN74HC02AN	TLC25M4CN
ADS1292RIPBS	CD74HC237EE4	PCM1770PWG4	SN74HC02ANE4	TLC25M4CNE4
ADS1292RIPBSR	CD74HC238E	PCM1772PW	SN74HC02N	TLC2652ACN
ADS1294IPAG	CD74HC238EE4	PCM1772PWG4	SN74HC02NE4	TLC2652ACNE4
ADS1294IPAGR	CD74HC240E	PCM2706CPJT	SN74HC03N	TLC2652ACP
ADS1296IPAG	CD74HC240EE4	PCM2706CPJTR	SN74HC03NE4	TLC2652ACPE4
ADS1296IPAGR	CD74HC241E	PCM2707CPJT	SN74HC04AN	TLC2652A1N
ADS1299CPAGR	CD74HC241EE4	PCM2707CPJTR	SN74HC04ANE4	TLC2652A1NE4
ADS7223SRHBR	CD74HC243E	PCM2912AE3PJT	SN74HC04N	TLC2652A1P
ADS7223SRHBT	CD74HC243EE4	PCM2912AE3PJTR	SN74HC04NE4	TLC2652A1PE4
ADS7852Y/250	CD74HC244E	PCM2912AE4PJT	SN74HC05AN	TLC2652CN
ADS7852Y/250G4	CD74HC244EE4	PCM2912AE4PJTR	SN74HC05ANE4	TLC2652CNE4
ADS7852Y/2K	CD74HC245E	PCM9211PT	SN74HC05N	TLC2652CP
ADS7852Y/2KG4	CD74HC245EE4	PCM9211PTR	SN74HC05NE4	TLC2652CPE4
ADS7852YB/250	CD74HC251E	PTPS65854ZQZR	SN74HC08AN	TLC26521P
ADS7852YB/250G4	CD74HC251EE4	PTPS658600AZQZ	SN74HC08ANE4	TLC26521PE4
ADS7852YB/2K	CD74HC253E	PTPS658600AZQZR	SN74HC08N	TLC2654ACP
ADS7852YB/2KG4	CD74HC253EE4	PTPS658600AZQZT	SN74HC08NE4	TLC2654ACPE4
ADS7862Y/250	CD74HC257E	SN0702077PWR	SN74HC109AN	TLC2654A1P
ADS7862Y/250G4	CD74HC257EE4	SN0702077PWRG4	SN74HC109ANE4	TLC2654A1PE4
ADS7862Y/2K	CD74HC259E	SN0911044PWR	SN74HC109N	TLC2654CN
ADS7862Y/2KG4	CD74HC259EE4	SN105225DBTRG4	SN74HC109NE4	TLC2654CNE4
ADS7862YB/250	CD74HC273E	SN1107049CPAGR	SN74HC10AN	TLC2654CP
ADS7862YB/250G4	CD74HC273EE4	SN1107083DAR	SN74HC10ANE4	TLC2654CPE4
ADS7862YB/2K	CD74HC27E	SN20060585PHPR	SN74HC10N	TLC26541P
ADS7862YB/2KG4	CD74HC27EE4	SN20060585PHPRG4	SN74HC10NE4	TLC26541PE4
ADS7864Y/250	CD74HC280E	SN20060590PHPR	SN74HC112N	TLC271ACP
ADS7864Y/250G4	CD74HC280EE4	SN20060590PHPRG4	SN74HC112NE4	TLC271ACPE4
ADS7864Y/2K	CD74HC283E	SN64BCT125AN	SN74HC11AN	TLC271A1P
ADS7864Y/2KG4	CD74HC283EE4	SN64BCT125ANE4	SN74HC11ANE4	TLC271A1PE4
ADS7864YB/250	CD74HC297E	SN64BCT126AN	SN74HC11N	TLC271BCP
ADS7864YB/250G4	CD74HC297EE4	SN64BCT126ANE4	SN74HC11NE4	TLC271BCPE4
ADS7864YB/2K	CD74HC299E	SN65C1154N	SN74HC125AN	TLC271B1P
ADS7864YB/2KG4	CD74HC299EE4	SN65C1154NE4	SN74HC125ANE4	TLC271B1PE4
ADS7945SRTER	CD74HC30E	SN65C1168N	SN74HC125N	TLC271CP

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ADS7945SRTET	CD74HC30EE4	SN65C1168NE4	SN74HC125NE4	TLC271CPE4
ADS7946SRTER	CD74HC32E	SN65C23243DGG	SN74HC126AN	TLC2711P
ADS7946SRTET	CD74HC32EE4	SN65C23243DGG4	SN74HC126ANE4	TLC2711PE4
ADS7950SDBBT	CD74HC354E	SN65C23243DGGG4	SN74HC126N	TLC272ACP
ADS7950SDBBTG4	CD74HC354EE4	SN65C23243DGGGR	SN74HC126NE4	TLC272ACPE4
ADS7950SDBBTR	CD74HC365E	SN65C23243DGGRE4	SN74HC132AN	TLC272A1P
ADS7950SDBBTRG4	CD74HC365EE4	SN65C23243DGGRG4	SN74HC132ANE4	TLC272A1PE4
ADS7950SBRGER	CD74HC366E	SN65HVD05P	SN74HC132N	TLC272BCP
ADS7950SBRGET	CD74HC366EE4	SN65HVD05PE4	SN74HC132NE4	TLC272BCPE4
ADS7950SDBT	CD74HC367E	SN65HVD06P	SN74HC138AN	TLC272B1P
ADS7950SDBTG4	CD74HC367EE4	SN65HVD06PE4	SN74HC138ANE4	TLC272B1PE4
ADS7950SDBTR	CD74HC368E	SN65HVD07P	SN74HC138N	TLC272CP
ADS7950SDBTRG4	CD74HC368EE4	SN65HVD07PE4	SN74HC138NE4	TLC272CPE4
ADS7950SRGER	CD74HC373E	SN65HVD08P	SN74HC139AN	TLC2721P
ADS7950SRGET	CD74HC373EE4	SN65HVD08PE4	SN74HC139ANE4	TLC2721PE4
ADS7951SDBBT	CD74HC374E	SN65HVD09DGG	SN74HC139N	TLC274ACN
ADS7951SDBBTG4	CD74HC374EE4	SN65HVD09DGGGR	SN74HC139NE4	TLC274ACNE4
ADS7951SDBBTR	CD74HC377E	SN65HVD10P	SN74HC148AN	TLC274A1N
ADS7951SDBBTRG4	CD74HC377EE4	SN65HVD10PE4	SN74HC148ANE4	TLC274A1NE4
ADS7951SBRGER	CD74HC390E	SN65HVD11P	SN74HC148N	TLC274BCN
ADS7951SBRGET	CD74HC390EE4	SN65HVD11PE4	SN74HC148NE4	TLC274BCNE4
ADS7951SDBT	CD74HC393E	SN65HVD12P	SN74HC14AN	TLC274B1N
ADS7951SDBTG4	CD74HC393EE4	SN65HVD12PE4	SN74HC14ANE4	TLC274B1NE4
ADS7951SDBTR	CD74HC4002E	SN65HVD22P	SN74HC14N	TLC274CN
ADS7951SDBTRG4	CD74HC4002EE4	SN65HVD22PE4	SN74HC14NE4	TLC274CNE4
ADS7951SRGER	CD74HC40103E	SN65HVD23P	SN74HC151AN	TLC2741N
ADS7951SRGET	CD74HC40103EE4	SN65HVD23PE4	SN74HC151ANE4	TLC2741NE4
ADS7952SDBBT	CD74HC40105E	SN65HVD251P	SN74HC151N	TLC277CP
ADS7952SDBBTG4	CD74HC40105EE4	SN65HVD251PE4	SN74HC151NE4	TLC277CPE4
ADS7952SDBBTR	CD74HC4015E	SN65HVD62RGT	SN74HC153AN	TLC2771P
ADS7952SDBBTRG4	CD74HC4015EE4	SN65LBC174AN	SN74HC153ANE4	TLC2771PE4
ADS7952SBRHBR	CD74HC4016E	SN65LVS349PW	SN74HC153N	TLC279CN
ADS7952SBRHBT	CD74HC4016EE4	SN65LVS349PWR	SN74HC153NE4	TLC279CNE4
ADS7952SDBT	CD74HC4017E	SN700835N	SN74HC157AN	TLC2791N
ADS7952SDBTG4	CD74HC4017EE4	SN74107N	SN74HC157ANE4	TLC2791NE4
ADS7952SDBTR	CD74HC4020E	SN74107NE4	SN74HC157N	TLC27L1ACP
ADS7952SDBTRG4	CD74HC4020EE4	SN7410N	SN74HC157NE4	TLC27L1ACPE4
ADS7952SRHBR	CD74HC4024E	SN7410NE4	SN74HC158N	TLC27L1CP
ADS7952SRHBT	CD74HC4024EE4	SN74123N	SN74HC158NE4	TLC27L1CPE4
ADS7953SDBBT	CD74HC4040E	SN74123NE4	SN74HC161AN	TLC27L11P
ADS7953SDBBTG4	CD74HC4040EE4	SN74ABT125N	SN74HC161ANE4	TLC27L11PE4
ADS7953SDBBTR	CD74HC4046AE	SN74ABT125NE4	SN74HC161N	TLC27L2ACP
ADS7953SDBBTRG4	CD74HC4046AEE4	SN74ABT126N	SN74HC161NE4	TLC27L2ACPE4
ADS7953SBRHBR	CD74HC4049E	SN74ABT126NE4	SN74HC163AN	TLC27L2A1P
ADS7953SBRHBT	CD74HC4049EE4	SN74ABT2240AN	SN74HC163ANE4	TLC27L2A1PE4
ADS7953SDBT	CD74HC4050E	SN74ABT2240ANE4	SN74HC163N	TLC27L2BCP
ADS7953SDBTG4	CD74HC4050EE4	SN74ABT2241N	SN74HC163NE4	TLC27L2BCPE4
ADS7953SDBTR	CD74HC4051E	SN74ABT2241NE4	SN74HC164AN	TLC27L2B1P
ADS7953SDBTRG4	CD74HC4051EE4	SN74ABT2244AN	SN74HC164ANE4	TLC27L2B1PE4
ADS7953SRHBR	CD74HC4052E	SN74ABT2244ANE4	SN74HC164N	TLC27L2CP
ADS7953SRHBT	CD74HC4052EE4	SN74ABT2245N	SN74HC164NE4	TLC27L2CPE4
ADS80281RTJR	CD74HC4053E	SN74ABT2245NE4	SN74HC165AN	TLC27L21P
ADS80281RTJT	CD74HC4053EE4	SN74ABT240AN	SN74HC165ANE4	TLC27L21PE4
ADS83171BDRBR	CD74HC4060E	SN74ABT240ANE4	SN74HC165N	TLC27L4ACN
ADS83171BDRBT	CD74HC4060EE4	SN74ABT241AN	SN74HC165NE4	TLC27L4ACNE4
ADS83171DRBR	CD74HC4066E	SN74ABT241ANE4	SN74HC166AN	TLC27L4A1N

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ADS83171DRBT	CD74HC4066EE4	SN74ABT244AN	SN74HC166ANE4	TLC27L4A1NE4
ADS8322Y/250	CD74HC4075E	SN74ABT244ANE4	SN74HC166N	TLC27L4BCN
ADS8322Y/250G4	CD74HC4075EE4	SN74ABT245BN	SN74HC166NE4	TLC27L4BCNE4
ADS8322Y/2K	CD74HC4094E	SN74ABT245BNE4	SN74HC174AN	TLC27L4B1N
ADS8322Y/2KG4	CD74HC4094EE4	SN74ABT273N	SN74HC174ANE4	TLC27L4B1NE4
ADS8322YB/250	CD74HC4094PWR-E	SN74ABT273NE4	SN74HC174N	TLC27L4CN
ADS8322YB/250G4	CD74HC423E	SN74ABT373N	SN74HC174NE4	TLC27L4CNE4
ADS8323Y/250	CD74HC423EE4	SN74ABT373NE4	SN74HC175AN	TLC27L41N
ADS8323Y/250G4	CD74HC42E	SN74ABT374AN	SN74HC175ANE4	TLC27L41NE4
ADS8323Y/2K	CD74HC42EE4	SN74ABT374ANE4	SN74HC175N	TLC27L7CP
ADS8323Y/2KG4	CD74HC4316E	SN74ABT377AN	SN74HC175NE4	TLC27L7CPE4
ADS8323YB/250	CD74HC4316EE4	SN74ABT377ANE4	SN74HC191N	TLC27L71P
ADS8323YB/250G4	CD74HC4351E	SN74ABT533AN	SN74HC191NE4	TLC27L71PE4
ADS83261BDRBR	CD74HC4351EE4	SN74ABT533ANE4	SN74HC193AN	TLC27L9CN
ADS83261BDRBT	CD74HC4352E	SN74ABT534AN	SN74HC193ANE4	TLC27L9CNE4
ADS83261DRBR	CD74HC4352EE4	SN74ABT534ANE4	SN74HC193N	TLC27L91N
ADS83261DRBT	CD74HC4511E	SN74ABT540N	SN74HC193NE4	TLC27L91NE4
ADS83271BPW	CD74HC4511EE4	SN74ABT540NE4	SN74HC20AN	TLC27M2ACP
ADS83271BPWG4	CD74HC4518E	SN74ABT541BN	SN74HC20ANE4	TLC27M2ACPE4
ADS83271BPWR	CD74HC4518EE4	SN74ABT541BNE4	SN74HC20N	TLC27M2A1P
ADS83271BPWRG4	CD74HC4520E	SN74ABT573AN	SN74HC20NE4	TLC27M2A1PE4
ADS83271PW	CD74HC4520EE4	SN74ABT573ANE4	SN74HC21AN	TLC27M2BCP
ADS83271PWG4	CD74HC4538E	SN74ABT574AN	SN74HC21ANE4	TLC27M2BCPE4
ADS83271PWR	CD74HC4538EE4	SN74ABT574ANE4	SN74HC21N	TLC27M2B1P
ADS83271PWRG4	CD74HC4543E	SN74ABT620N	SN74HC21NE4	TLC27M2B1PE4
ADS83281BPW	CD74HC4543EE4	SN74ABT620NE4	SN74HC240AN	TLC27M2CP
ADS83281BPWG4	CD74HC533E	SN74ABT623N	SN74HC240ANE4	TLC27M2CPE4
ADS83281BPWR	CD74HC533EE4	SN74ABT623NE4	SN74HC240N	TLC27M21P
ADS83281BPWRG4	CD74HC534E	SN74ABT640N	SN74HC240NE4	TLC27M21PE4
ADS83281PW	CD74HC534EE4	SN74ABT640NE4	SN74HC241N	TLC27M4ACN
ADS83281PWG4	CD74HC540E	SN74ABTH245N	SN74HC241NE4	TLC27M4ACNE4
ADS83281PWR	CD74HC540EE4	SN74ABTH245NE4	SN74HC244AN	TLC27M4A1N
ADS83281PWRG4	CD74HC541E	SN74AC00N	SN74HC244ANE4	TLC27M4A1NE4
ADS83291BPW	CD74HC541EE4	SN74AC00NE4	SN74HC244N	TLC27M4BCN
ADS83291BPWG4	CD74HC563E	SN74AC04N	SN74HC244NE4	TLC27M4BCNE4
ADS83291BPWR	CD74HC563EE4	SN74AC04NE4	SN74HC245AN	TLC27M4B1N
ADS83291BPWRG4	CD74HC564E	SN74AC08N	SN74HC245ANE4	TLC27M4B1NE4
ADS83291PW	CD74HC564EE4	SN74AC08NE4	SN74HC245N	TLC27M4CN
ADS83291PWG4	CD74HC573E	SN74AC10N	SN74HC245NE4	TLC27M4CNE4
ADS83291PWR	CD74HC573EE4	SN74AC10NE4	SN74HC251AN	TLC27M41N
ADS83291PWRG4	CD74HC574E	SN74AC11N	SN74HC251ANE4	TLC27M41NE4
ADS83301BPW	CD74HC574EE4	SN74AC11NE4	SN74HC251N	TLC27M7CP
ADS83301BPWG4	CD74HC595E	SN74AC14N	SN74HC251NE4	TLC27M7CPE4
ADS83301BPWR	CD74HC595EE4	SN74AC14NE4	SN74HC253N	TLC27M71P
ADS83301BPWRG4	CD74HC597E	SN74AC240N	SN74HC253NE4	TLC27M71PE4
ADS83301PW	CD74HC597EE4	SN74AC240NE4	SN74HC257AN	TLC27M9CN
ADS83301PWG4	CD74HC640E	SN74AC241N	SN74HC257ANE4	TLC27M9CNE4
ADS83301PWR	CD74HC640EE4	SN74AC241NE4	SN74HC257N	TLC27M91N
ADS83301PWRG4	CD74HC670E	SN74AC244N	SN74HC257NE4	TLC27M91NE4
ADS83311BPW	CD74HC670EE4	SN74AC244NE4	SN74HC258AN	TLC339CN
ADS83311BPWR	CD74HC688E	SN74AC245N	SN74HC258ANE4	TLC339CNE4
ADS83311PW	CD74HC688EE4	SN74AC245NE4	SN74HC258N	TLC3391N
ADS83311PWR	CD74HC7046AE	SN74AC32N	SN74HC258NE4	TLC3391NE4
ADS83321BPW	CD74HC7046AEE4	SN74AC32NE4	SN74HC259AN	TLC352CP
ADS83321BPWR	CD74HC7266E	SN74AC373N	SN74HC259ANE4	TLC352CPE4
ADS83321PW	CD74HC7266EE4	SN74AC373NE4	SN74HC259N	TLC3521P

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ADS8332IPWR	CD74HC73E	SN74AC374N	SN74HC259NE4	TLC3521PE4
ADS83421BPFBT	CD74HC73EE4	SN74AC374NE4	SN74HC266AN	TLC354CN
ADS83421BPFBTG4	CD74HC74E	SN74AC533N	SN74HC266ANE4	TLC354CNE4
ADS83421PFBT	CD74HC74EE4	SN74AC533NE4	SN74HC266N	TLC3702CP
ADS83421PFBTG4	CD74HC75E	SN74AC534N	SN74HC266NE4	TLC3702CPE4
ADS83711BPFBR	CD74HC75EE4	SN74AC534NE4	SN74HC273AN	TLC37021P
ADS83711BPFBRG4	CD74HC85E	SN74AC563N	SN74HC273ANE4	TLC37021PE4
ADS83711PFBT	CD74HC85EE4	SN74AC563NE4	SN74HC273N	TLC3704CN
ADS83711PFBTG4	CD74HC86E	SN74AC564N	SN74HC273NE4	TLC3704CNE4
ADS83711PFBT	CD74HC86EE4	SN74AC564NE4	SN74HC27AN	TLC37041N
ADS83711PFBTG4	CD74HC93E	SN74AC573N	SN74HC27ANE4	TLC37041NE4
ADS83811BPFBT	CD74HC93EE4	SN74AC573NE4	SN74HC27N	TLC372CP
ADS83811BPFBTG4	CD74HCT00E	SN74AC574N	SN74HC27NE4	TLC372CPE4
ADS83811PFBT	CD74HCT00EE4	SN74AC574NE4	SN74HC32AN	TLC3721P
ADS83811PFBTG4	CD74HCT02E	SN74AC74N	SN74HC32ANE4	TLC3721PE4
ADS84011BPFBT	CD74HCT02EE4	SN74AC74NE4	SN74HC32N	TLC374CN
ADS84011BPFBTG4	CD74HCT03E	SN74AC86N	SN74HC32NE4	TLC374CN-A
ADS84011PFBT	CD74HCT03EE4	SN74AC86NE4	SN74HC365AN	TLC374CN-AE4
ADS84011PFBTG4	CD74HCT04E	SN74ACT00N	SN74HC365ANE4	TLC374CNE4
ADS84011PFBT	CD74HCT04EE4	SN74ACT00NE4	SN74HC365N	TLC3741N
ADS84011PFBTG4	CD74HCT08E	SN74ACT04N	SN74HC365NE4	TLC3741NE4
ADS84021BPFBT	CD74HCT08EE4	SN74ACT04NE4	SN74HC367AN	TLC393CP
ADS84021BPFBTG4	CD74HCT107E	SN74ACT08N	SN74HC367ANE4	TLC393CPE4
ADS84021PFBT	CD74HCT107EE4	SN74ACT08NE4	SN74HC367N	TLC3931P
ADS84021PFBTG4	CD74HCT109E	SN74ACT10N	SN74HC367NE4	TLC3931PE4
ADS84051BPFBR	CD74HCT109EE4	SN74ACT10NE4	SN74HC368AN	TLC5401N
ADS84051BPFBTG4	CD74HCT10E	SN74ACT11N	SN74HC368ANE4	TLC5401NE4
ADS84051BPFBT	CD74HCT10EE4	SN74ACT11NE4	SN74HC368N	TLC5411N
ADS84051BPFBTG4	CD74HCT112E	SN74ACT14N	SN74HC368NE4	TLC5411NE4
ADS84051PFBT	CD74HCT112EE4	SN74ACT14NE4	SN74HC373AN	TLC542CN
ADS84051PFBTG4	CD74HCT11E	SN74ACT240N	SN74HC373ANE4	TLC542CNE4
ADS84051PFBT	CD74HCT11EE4	SN74ACT240NE4	SN74HC373N	TLC5421N
ADS84051PFBTG4	CD74HCT123E	SN74ACT241N	SN74HC373NE4	TLC5421NE4
ADS84061BPFBT	CD74HCT123EE4	SN74ACT241NE4	SN74HC374AN	TLC548CP
ADS84061BPFBTG4	CD74HCT125E	SN74ACT244N	SN74HC374ANE4	TLC548CPE4
ADS84061BPFBT	CD74HCT125EE4	SN74ACT244NE4	SN74HC374N	TLC5481P
ADS84061BPFBTG4	CD74HCT126E	SN74ACT245N	SN74HC374NE4	TLC5481PE4
ADS84061PFBT	CD74HCT126EE4	SN74ACT245NE4	SN74HC377AN	TLC549CP
ADS84061PFBTG4	CD74HCT132E	SN74ACT32N	SN74HC377ANE4	TLC549CPE4
ADS84081BDRCR	CD74HCT132EE4	SN74ACT32NE4	SN74HC377N	TLC5491P
ADS84081BDRCT	CD74HCT137E	SN74ACT373N	SN74HC377NE4	TLC5491PE4
ADS84081DRCR	CD74HCT137EE4	SN74ACT373NE4	SN74HC393AN	TLC551CP
ADS84081DRCT	CD74HCT138E	SN74ACT374N	SN74HC393ANE4	TLC551CPE4
ADS84111BPFBT	CD74HCT138EE4	SN74ACT374NE4	SN74HC393N	TLC552CN
ADS84111BPFBTG4	CD74HCT139E	SN74ACT533N	SN74HC393NE4	TLC552CNE4
ADS84111BPFBT	CD74HCT139EE4	SN74ACT533NE4	SN74HC4020AN	TLC555CP
ADS84111BPFBTG4	CD74HCT147E	SN74ACT534N	SN74HC4020ANE4	TLC555CPE4
ADS84111PFBT	CD74HCT147EE4	SN74ACT534NE4	SN74HC4020N	TLC5551P
ADS84111PFBTG4	CD74HCT14E	SN74ACT563N	SN74HC4020NE4	TLC5551PE4
ADS84121BPFBT	CD74HCT14EE4	SN74ACT563NE4	SN74HC4040AN	TLC556CN
ADS84121BPFBTG4	CD74HCT151E	SN74ACT564N	SN74HC4040ANE4	TLC556CNE4
ADS84121BPFBT	CD74HCT151EE4	SN74ACT564NE4	SN74HC4040N	TLC5561N
ADS84121BPFBTG4	CD74HCT153E	SN74ACT573N	SN74HC4040NE4	TLC5561NE4
ADS84121PFBT	CD74HCT153EE4	SN74ACT573NE4	SN74HC4060N	TLC5615CP
ADS84121PFBTG4	CD74HCT157E	SN74ACT574N	SN74HC4060NE4	TLC5615CPE4
ADS84221BPFBT	CD74HCT157EE4	SN74ACT574NE4	SN74HC4066N	TLC56151P

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ADS84221BPFBRG4	CD74HCT158E	SN74ACT74N	SN74HC4066NE4	TLC56151PE4
ADS84221BPFBT	CD74HCT158EE4	SN74ACT74NE4	SN74HC42N	TLC59161N
ADS84221BPFBTG4	CD74HCT161E	SN74ACT86N	SN74HC42NE4	TLC59161NE4
ADS84221PFBR	CD74HCT161EE4	SN74ACT86NE4	SN74HC4851N	TLC59171N
ADS84221PFBRG4	CD74HCT163E	SN74AHC00N	SN74HC4851NE4	TLC59171NE4
ADS84221PFBT	CD74HCT163EE4	SN74AHC00NE4	SN74HC4852N	TLC592101N
ADS84221PFBTG4	CD74HCT164E	SN74AHC02N	SN74HC4852NE4	TLC592111N
ADS85171BPW	CD74HCT164EE4	SN74AHC02NE4	SN74HC540AN	TLC592121N
ADS85171BPWR	CD74HCT165E	SN74AHC04N	SN74HC540ANE4	TLC59224F1DBTR
ADS85171PW	CD74HCT165EE4	SN74AHC04NE4	SN74HC540N	TLC5928PW
ADS85171PWR	CD74HCT166E	SN74AHC05N	SN74HC540NE4	TLC5928PWG4
ADS8634SRGER	CD74HCT166EE4	SN74AHC05NE4	SN74HC541AN	TLC5928PWR
ADS8634SRGET	CD74HCT173E	SN74AHC08N	SN74HC541ANE4	TLC5928PWRG4
ADS8638SRGER	CD74HCT173EE4	SN74AHC08NE4	SN74HC541N	TLC59461PWP
ADS8638SRGET	CD74HCT174E	SN74AHC123AN	SN74HC541NE4	TLC5946PW
ADS86601BRHBR	CD74HCT174EE4	SN74AHC123ANE4	SN74HC563N	TLC5946PWG4
ADS86601RHBR	CD74HCT175E	SN74AHC125N	SN74HC563NE4	TLC5946PWR
ADS86601RHBT	CD74HCT175EE4	SN74AHC125NE4	SN74HC573AN	TLC5946PWRG4
AFE030A1RGZR	CD74HCT191E	SN74AHC126N	SN74HC573ANE4	TLC59601DA
AFE030A1RGZT	CD74HCT191EE4	SN74AHC126NE4	SN74HC573BN	TLC59601DAR
AFE031A1RGZR	CD74HCT193E	SN74AHC132N	SN74HC573BNE4	TLC5960DA
AFE031A1RGZT	CD74HCT193EE4	SN74AHC132NE4	SN74HC573N	TLC5960DAR
AM26C31CN	CD74HCT194E	SN74AHC138N	SN74HC573NE4	TLC7524CN
AM26C31CNE4	CD74HCT194EE4	SN74AHC138NE4	SN74HC574AN	TLC7524CNE4
AM26C311N	CD74HCT20E	SN74AHC139N	SN74HC574ANE4	TLC7524EN
AM26C311NE4	CD74HCT20EE4	SN74AHC139NE4	SN74HC574N	TLC7524ENE4
AM26C32CN	CD74HCT21E	SN74AHC14N	SN74HC574NE4	TLC75241N
AM26C32CNE4	CD74HCT21EE4	SN74AHC14NE4	SN74HC590AN	TLC75241NE4
AM26C321N	CD74HCT221E	SN74AHC157N	SN74HC590ANE4	TLC81161PWR
AM26C321NE4	CD74HCT221EE4	SN74AHC157NE4	SN74HC594N	TLE23011NE
AMC7824SRSLR	CD74HCT237E	SN74AHC158N	SN74HC594NE4	TLE23011NEE4
AMC7824SRSLT	CD74HCT237EE4	SN74AHC158NE4	SN74HC595AN	TLS1233N
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CD74ACT240EE4	DAC81651CPWR	SN74AS10245NE4	SN75HVD12P	TS40A41642RGYR
CD74ACT241E	DAC81651CPWRG4	SN74AS10640N	SN75HVD12PE4	TS5V330CPWR
CD74ACT241EE4	DAC81651DPW	SN74AS10640NE4	SN75LBC174AN	TS5V330CRGYR
CD74ACT244E	DAC81651DPWG4	SN74AS240AN	SN75LBC174ANE4	TS5V522CPWR
CD74ACT244EE4	DAC81651DPWR	SN74AS240ANE4	SN75LVCP412ARTJR	TSC30011RTWR
CD74ACT245E	DAC81651DPWRG4	SN74AS241AN	SN75LVCP412ARTJT	TSC30011RTWT
CD74ACT245EE4	DAC85641APW	SN74AS241ANE4	SN75LVCP412RTJR	TUSB1106PWR
CD74ACT253E	DAC85641APWG4	SN74AS244AN	SN75LVCP412RTJT	TUSB1106PWRG4
CD74ACT253EE4	DAC85641APWR	SN74AS244ANE4	SN75LVCP600SDSKR	TUSB2551PW
CD74ACT257E	DAC85641APWRG4	SN74AS245N	SN75LVCP600SDSKT	TUSB2551PWG4
CD74ACT257EE4	DAC85641BPW	SN74AS245NE4	SNL8045DBT	TUSB2551PWR
CD74ACT273E	DAC85641BPWG4	SN74AS373N	TCA1116PWR	TUSB2551PWRG4
CD74ACT273EE4	DAC85641BPWR	SN74AS373NE4	TCA1116RTWR	TXS02324RUKR
CD74ACT280E	DAC85641BPWRG4	SN74AS374N	TCA6507RTER	TXS02326AMRGER
CD74ACT280EE4	DAC85641CPW	SN74AS374NE4	TCA9554APWR	TXS02326MRGER
CD74ACT283E	DAC85641CPWG4	SN74AS533AN	THS7327PHP	TXS02326RGER
CD74ACT283EE4	DAC85641CPWR	SN74AS533ANE4	THS7327PHPG4	TXS4555RGTR
CD74ACT32E	DAC85641CPWRG4	SN74AS573AN	THS7327PHPR	TXS4558RUKR
CD74ACT32EE4	DAC85641DPW	SN74AS573ANE4	THS7327PHPRG4	UCC27323DSDR
CD74ACT373E	DAC85641DPWG4	SN74AS574N	THS73471PHP	UCC27323DSDT
CD74ACT373EE4	DAC85641DPWR	SN74AS574NE4	THS73471PHPG4	UCC27324DSDR
CD74ACT374E	DAC85641DPWRG4	SN74AS576N	THS73471PHPR	UCC27324DSDT
CD74ACT374EE4	DAC85651APW	SN74AS576NE4	THS73471PHPRG4	UCC27325DSDR
CD74ACT540E	DAC85651APWG4	SN74AS638AN	THS73641PW	UCC27325DSDT
CD74ACT540EE4	DAC85651APWR	SN74AS638ANE4	THS73641PWR	UCC27524P
CD74ACT541E	DAC85651APWRG4	SN74AS640N	THS73721PW	UCC2788P
CD74ACT541EE4	DAC85651BPW	SN74AS640NE4	THS73721PWR	UCC2788PE4
CD74ACT573E	DAC85651BPWG4	SN74AS641N	TL080CP	UCC28050P
CD74ACT573EE4	DAC85651BPWR	SN74AS641NE4	TL080CPE4	UCC28050PE4
CD74ACT574E	DAC85651BPWRG4	SN74AS645N	TL9721P	UCC28051P
CD74ACT574EE4	DAC85651CPW	SN74AS645NE4	TL9721PE4	UCC28051PE4
CD74ACT74E	DAC85651CPWG4	SN74AS756N	TL9741N	UCC28510N
CD74ACT74EE4	DAC85651CPWR	SN74AS756NE4	TL9741NE4	UCC28510NE4
CD74ACT86E	DAC85651CPWRG4	SN74AS757N	TLC0820ACN	UCC28511N
CD74ACT86EE4	DAC85651DPW	SN74AS757NE4	TLC0820ACNE4	UCC28511NE4
CD74FCT244ATE	DAC85651DPWG4	SN74AS760N	TLC0820AIN	UCC28512N
CD74FCT244ATEE4	DAC85651DPWR	SN74AS760NE4	TLC0820AINE4	UCC28512NE4
CD74FCT244E	DAC85651DPWRG4	SN74AS804BN	TLC0831CP	UCC28513N

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CD74FCT244EE4	DAC8750IPWP	SN74AS804BNE4	TLC0831CPE4	UCC28513NE4
CD74FCT245E	DAC8750IPWPR	SN74AS805BN	TLC0831IP	UCC28514N
CD74FCT245EE4	DAC8750IRHAR	SN74AS805BNE4	TLC0831IPE4	UCC28514NE4
CD74FCT273E	DAC8750IRHAT	SN74AS808BN	TLC0832CP	UCC28515N
CD74FCT273EE4	DAC8760IPWP	SN74AS808BNE4	TLC0832CPE4	UCC28515NE4
CD74FCT374E	DAC8760IPWPR	SN74AS832BN	TLC0832IP	UCC29002P
CD74FCT374EE4	DAC8760IRHAR	SN74AS832BNE4	TLC0832IPE4	UCC29002PE4
CD74FCT541E	DAC8760IRHAT	SN74AVC4T245RGYR	TLC0834CN	UCC2975PW
CD74FCT541EE4	DIR9001PWR	SN74AVC6T245PWR	TLC0834CNE4	UCC2975PWG4
CD74HC00E	DIR9001PWRG4	SN74AVC6T245RGYR	TLC0834IN	UCC2976PW
CD74HC00EE4	DIR9001S1PWR	SN74AVCH4T245RGYR	TLC0834INE4	UCC2976PWG4
CD74HC02E	DIR9001S1PWRG4	SN74BCT125AN	TLC0838CN	UCC2977PW
CD74HC02EE4	DIX9211PT	SN74BCT125ANE4	TLC0838CNE4	UCC2977PWG4
CD74HC03E	DIX9211PTR	SN74BCT126AN	TLC0838IN	UCC29910APW
CD74HC03EE4	FX001	SN74BCT126ANE4	TLC0838INE4	UCC29910APWR
CD74HC04E	GD75232N	SN74BCT2240N	TLC083RGTR	UCC38050P
CD74HC04EE4	GD75232NE4	SN74BCT2240NE4	TLC083RGTT	UCC38050PE4
CD74HC08E	ICL7652P	SN74BCT2244N	TLC1078CP	UCC38051P
CD74HC08EE4	ICL7652PE4	SN74BCT2244NE4	TLC1078CPE4	UCC38051PE4
CD74HC107E	INA110KP	SN74BCT2245N	TLC1078IP	UCC39002P
CD74HC107EE4	INA110KPG4	SN74BCT2245NE4	TLC1078IPE4	UCC39002PE4
CD74HC109E	INA116PA	SN74BCT240N	TLC1079CN	UCC3976PW
CD74HC109EE4	INA116PAG4	SN74BCT240NE4	TLC1079CNE4	UCC3976PWG4
CD74HC10E	INA826A1DRGR	SN74BCT2414N	TLC1079IN	UCC3977PW
CD74HC10EE4	INA826A1DRGT	SN74BCT2414NE4	TLC1079INE4	UCC3977PWG4
CD74HC112E	INA829A1DRGR	SN74BCT241N	TLC1541CN	VSP2582RHHR
CD74HC112EE4	INA829A1DRGT	SN74BCT241NE4	TLC1541CNE4	
CD74HC11E	INA8291DRGR	SN74BCT244N	TLC1541IN	
CD74HC11EE4	INA8291DRGT	SN74BCT244NE4	TLC1541INE4	

対象製品名 1. 3mils 径 Cu(銅) ワイヤ				
HPA00674DRBR	TLC5942PWP	TLC5942PWPRG4	TPS62110GRSAR	TPS65138DRCR
SN0701064PWPR	TLC5942PWPG4	TPS23757PW	TPS650007RTER	TRS3253E1RSMR
SN0701064PWPRG4	TLC5942PWPR	TPS23757PWR	TPS650007RTET	

対象製品名 2. 0mils 径 Cu(銅) ワイヤ	
TPS74001DPTR	TPS74001DPTT

信頼性試験

Qual #1 - TSSOP 0.8 mil Cu wire

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 11 月 10 日
信頼性試験 - 試料構成詳細				
Qual Device :	SN74LVTH16244ADGGR	-	-	
Assembly Site:	TI Malaysia	Package/Code/Pins:	TSSOP/DGG/48	
Mount Compound:	4042500	Mold Compound:	4209002	
Bond Wire:	0.8 Mil Dia. Cu	Lead Finish, Base:	NiPdAu, Cu	
MSL:	JEDEC L-1/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot#1	Lot#2	Lot#3
**High Temp. Storage Bake	170C, 420 Hours	77/0	77/0	77/0
**Autoclave	121C, 96 Hours	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cycles	77/0	77/0	77/0
Manufacturability (Assembly)	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning Sequence, JEDEC L-1/260C				

Qual #2 - TSSOP 0.96 mil Cu wire

信頼性試験結果				
信頼性試験期間	開始	—	終了	2010 年 3 月 11 日
信頼性試験 - 試料構成詳細				
Qual Device:	BQ29330DBT	-	-	
Assembly Site:	MLA	Package/Code/Pins:	TSSOP/DBT/30	
Mount Compound:	4042500	Mold Compound:	4206193	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot#1	Lot#2	Lot#3
**High Temp. Storage Bake	170C, 420 Hours	77/0	77/0	77/0
**Autoclave	121C, 96 Hours	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cycles	77/0	77/0	77/0
Manufacturability (Assembly)	per mfg. Site specification	Approved	Approved	Approved
**Thermal Shock	-65C/150C, 500 Cycles	77/0	77/0	77/0
Notes: ** Test requires Moisture Preconditioning, JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 1 月 3 日
信頼性試験 - 試料構成詳細				
Qual Device:	BUF16821BIPWP	-	-	
Assembly Site:	TI Taiwan	Package/Code/Pins:	TSSOP/PWP/28	
Mount Compound:	4208458	Mold Compound:	4205443	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Biased HAST	130C/85%RH, 96 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
**T/C	-55C/125C, 1000 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
**Thermal Shock	-65C/150C, 500 Cyc	77/0	77/0	77/0
Notes: ** Preconditioning sequence, JEDEC L-2/260C				

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信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 1 月 3 日
信頼性試験 — 試料構成詳細				
Qual Device:	TAS5086DBT	-	-	
Assembly Site:	TI Taiwan	Package/Code/Pins:	TSSOP/DBT/38	
Mount Compound:	4042500	Mold Compound:	4206193	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**HTOL (Analog)	155C, 240 Hrs, Vddmax	77/0	77/0	77/0
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Biased HAST	130C/85%RH, 96 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500Cyc	77/0	77/0	77/0
**T/C	-55C/125C, 1000Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
**Thermal Shock	-65C/150C, 500Cyc	77/0	77/0	77/0
Notes: ** Preconditioning sequence, JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 — 試料構成詳細				
Qual Device:	ADS1230IPW	-	-	
Assembly Site:	TAI	Package/Code/Pins:	TSSOP/PW/16	
Mount Compound:	4042500	Mold Compound:	4206193	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot#1	Lot#2	Lot#3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hours	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cycles	77/0	77/0	77/0
Manufacturability (Assembly)	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Tests require preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 — 試料構成詳細				
Qual Device:	BUF07704AIPWP	-	-	
Assembly Site:	MLA	Package/Code/Pins:	HTSSOP/PWP/20	
Mount Compound:	4042504	Mold Compound:	4205443	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	CDCVF2505PW	-	-	
Assembly Site:	MLA	Package/Code/Pins:	TSSOP/PW/8	
Mount Compound:	4042500	Mold Compound:	4206193	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-1/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-1/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	SN75LVDS84ADGG	-	-	
Assembly Site:	TAI	Package/Code/Pins:	TSSOP/DGG/48	
Mount Compound:	4042500	Mold Compound:	4209002	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	150C, 500, 1000 Hrs	77/0	77/0	77/0
**Unbiased HAST	130C/85%RH, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	THS7303PW	-	-	
Assembly Site:	TAI	Package/Code/Pins:	TSSOP/PW/20	
Mount Compound:	4042500	Mold Compound:	4206193	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	TLC5930PWP	-	-	
Assembly Site:	TAI	Package/Code/Pins:	HTSSOP/PWP/24	
Mount Compound:	4042504	Mold Compound:	4205443	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Tests require preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	TPS77701PWP	-	-	
Assembly Site:	MLA	Package/Code/Pins:	HTSSOP/PWP/20	
Mount Compound:	4042504	Mold Compound:	4205443	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**Thermal Shock	-65C/150C, 500 Cyc	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	TPS77801PWP	-	-	
Assembly Site:	TAI	Package/Code/Pins:	HTSSOP/PWP/20	
Mount Compound:	4042500	Mold Compound:	4209002	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
**Thermal Shock	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

Qual #3 - TSSOP 1.3 mil Cu wire

信頼性試験結果					
信頼性試験期間	開始	-	終了	2009 年 2 月 13 日	
信頼性試験 - 試料構成詳細					
ID:	Device-1	Device-2	Device-3	Device-4	
Qual Device:	TAS5182DCA	TPS40057PWP	TPS65161PWP	UCC2891PW	
Assembly Site:	TAI	TAI	TAI	MLA	
Package/Code/Pins:	TSSOP/ DCA/ 56	TSSOP/ PWP/ 16	TSSOP/ PWP/ 28	TSSOP/ PW/ 16	
Mount Compound:	4206201	4042504	4042504	4042500	
Mold Compound:	4205443	4205443	4205443	4206193	
L/F Composition/Finish:	Cu / NiPdAu	Cu / NiPdAu	Cu / NiPdAu	Cu / NiPdAu	
Bond Wire:	1.3 Mil Dia. Cu	1.3 Mil Dia. Cu	1.3 Mil Dia. Cu	1.3 Mil Dia. Cu	
MSL:	JEDEC L-3/260C	JEDEC L-2/260C	JEDEC L-2/260C	JEDEC L-1/260C	
信頼性試験結果					
Reliability Test	Condition / Duration	Sample Size/ Fails			
		Device-1	Device-2	Device-3	Device-4
**Temp Cycle	-65/150C, 500 cycles	77/0	77/0	77/0	77/0
**High Temp Storage Bake	170C, 420 Hrs.	77/0	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs.	77/0	77/0	77/0	77/0
**Thermal Shock	-65/150C, 1000 Cycles	77/0	77/0	77/0	77/0
Manufacturability (Assembly)	per assembly site spec	Approved	Approved	Approved	Approved
Note: ** Test requires Moisture Preconditioning;					
Device-1 : JEDEC L3-260C, Device-2/3 : JEDEC L2-260C, Device-4 : JEDEC L1-260C					

信頼性試験結果				
信頼性試験期間	開始	-	終了	2009 年 2 月 13 日
信頼性試験 - 試料構成詳細				
Qual Device:	UCC2897PW	-	-	
Assembly Site:	MLA	Package/Code/Pins:	TSSOP / PW / 20	
Mount Compound:	4042500	Mold Compound:	4206193	
Bond Wire:	1.3 Mil Dia. Cu	L/F Composition/Finish:	Cu / NiPdAu	
MSL:	JEDEC,LEVEL1-260	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot#1	Lot#2	Lot#3
**Temp Cycle	-65/150C, 500 cycles	77/0	77/0	-
**High Temp Storage Bake	170C, 420 Hrs.	77/0	77/0	-
**Autoclave	121C, 96 Hrs.	77/0	77/0	-
**Thermal Shock	-65/150C, 1000 Cycles	77/0	77/0	-
Manufacturability (Assembly)	per assembly site spec	Approved	Approved	-
Note: ** Test requires Moisture Preconditioning, JEDEC L1-260C				

Qual #4 - TSSOP 2.0 mil Cu wire

信頼性試験結果				
信頼性試験期間	開始	—	終了	2009 年 2 月 18 日
信頼性試験 - 試料構成詳細				
Qual Device:	TPS2236DAP	-	-	
Assembly Site:	TAI	Package/Code/Pins:	TSSOP/ DAP/32	
Mount Compound:	4042504	Mold Compound:	4205443	
Bond Wire:	2.0 Mil Dia. Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3 /260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration		Sample Size/ Fails	
** Temp Cycle	-65/150C, 500 cycles		77/0	
**High Temp Storage Bake	170C, 420 Hrs.		77/0	
** Autoclave	121C, 96 Hrs.		77/0	
** Thermal Shock	-65/150C, 1000 Cycles		77/0	
Manufacturability (Assembly)	per assembly site spec		Approved	
Note: ** Test requires Moisture Preconditioning, JEDEC L-3 / 260C				

Qual #5 - QFP 0.8 mil Cu wire

信頼性試験結果				
信頼性試験期間	開始	—	終了	2010年3月16日
信頼性試験 - 試料構成詳細				
Qual Device:	TSB43AB23PDT	-	-	
Assembly Site:	PHI	Package/Code/Pins:	TQFP/PDT/128	
Mount Compound:	4042504	Mold Compound:	4205442	
Bond Wire:	0.8 Mil Dia. Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot#1	Lot#2	Lot#3
**High Temp. Storage Bake	170C, 420 Hours	77/0	77/0	77/0
**Autoclave	121C, 96 Hours	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cycles	77/0	77/0	77/0
**T/C	-55C/125C, 1000 Cycles	77/0	77/0	77/0
Manufacturability (Assembly)	per mfg. Site specification	Approved	Approved	Approved
**Thermal Shock	-65C/150C, 500 Cycles	77/0	77/0	77/0
Notes: ** Test requires Moisture Preconditioning, JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011年7月7日
信頼性試験 - 試料構成詳細				
Qual Device:	TSB81BA3EPFP	-	-	
Assembly Site:	TAI	Package/Code/Pins:	TQFP/PFP/80	
Mount Compound:	4042504	Mold Compound:	4205443	
Bond Wire:	0.8 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hours	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
**Thermal Shock	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-3/260C				

Qual #6 - QFP 0.96 mil Cu wire

信頼性試験結果				
信頼性試験期間	開始	—	終了	2010年3月16日
信頼性試験 - 試料構成詳細				
Qual Device:	TMDS351PAG	-	-	
Assembly Site:	TI Philippines	Package/Code/Pins:	TQFP/PAG/64	
Mount Compound:	4042504	Mold Compound:	4205442	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
**T/C	-55C/125C, 1000 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
**Thermal Shock	-65C/150C, 500 Cyc	77/0	77/0	77/0
Notes: ** Preconditioning sequence, JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	F741900APFB	-	-	
Assembly Site:	TAI	Package/Code/Pins:	TQFP/PFB/48	
Mount Compound:	4042504	Mold Compound:	4205442	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/250C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
**Thermal Shock	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: **Preconditioning sequence: JEDEC L-3/250C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	THS7327PHP	-	-	
Assembly Site:	TAI	Package/Code/Pins:	HTQFP/PHP/48	
Mount Compound:	4042504	Mold Compound:	4205443	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	-	-
**Autoclave	121C, 96 Hrs	77/0	-	-
**T/C	-65C/150C, 500 Cyc	77/0	-	-
**Thermal Shock	-65C/150C, 500 Cyc	77/0	-	-
Manufacturability	per mfg. Site specification	Approved	-	-
Notes: ** Preconditioning sequence: JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	TL16C550DPTR	-	-	
Assembly Site:	TAI	Package/Code/Pins:	LQFP/PT/48	
Mount Compound:	4042504	Mold Compound:	4205442	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	-	-
**Autoclave	121C, 96 Hrs	77/0	-	-
**T/C	-65C/150C, 500 Cyc	77/0	-	-
**Thermal Shock	-65C/150C, 500 Cyc	77/0	-	-
Manufacturability	per mfg. Site specification	Approved	-	-
Notes: ** Tests require preconditioning sequence: JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011年7月7日
信頼性試験 - 試料構成詳細				
Qual Device:	TL16C752BPT	-	-	
Assembly Site:	TAI	Package/Code/Pins:	LQFP/PT/48	
Mount Compound:	4042504	Mold Compound:	4205442	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	-	-
**Autoclave	121C, 96 Hrs	77/0	-	-
**T/C	-65C/150C, 500 Cyc	77/0	-	-
**Thermal Shock	-65C/150C, 500 Cyc	77/0	-	-
Manufacturability	per mfg. Site specification	Approved	-	-
Notes: ** Tests require preconditioning sequence: JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011年7月7日
信頼性試験 - 試料構成詳細				
Qual Device:	TPS5130PTR	-	-	
Assembly Site:	TAI	Package/Code/Pins:	LQFP/PT/48	
Mount Compound:	4042504	Mold Compound:	4205442	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-1/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	-	-
**Autoclave	121C, 96 Hrs	77/0	-	-
**T/C	-65C/150C, 500 Cyc	77/0	-	-
**Thermal Shock	-65C/150C, 500 Cyc	77/0	-	-
Manufacturability (Assembly)	per mfg. Site specification	Approved	-	-
Notes: ** Preconditioning sequence: JEDEC L-1/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011年7月7日
信頼性試験 - 試料構成詳細				
Qual Device:	TSB12LV21BPGF	-	-	
Assembly Site:	PHI	Package/Code/Pins:	LQFP/PGF/176	
Mount Compound:	4042504	Mold Compound:	4205442	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
**Thermal Shock	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	TSB41AB1PHP	-	-	
Assembly Site:	TAI	Package/Code/Pins:	HTQFP/PHP/48	
Mount Compound:	4042504	Mold Compound:	4205443	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**Thermal Shock	-65C/150C, 500 Cyc	77/0	77/0	-
**T/C	-65C/150C, 500 Cyc	77/0	77/0	-
Manufacturability	per mfg. Site specification	Approved	Approved	-
Notes: ** Preconditioning sequence: JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	UCC5696PN	-	-	
Assembly Site:	TAI	Package/Code/Pins:	LQFP/PN/80	
Mount Compound:	4042504	Mold Compound:	4205442	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**Thermal Shock	-65C/150C, 500 Cyc	77/0	77/0	-
**T/C	-65C/150C, 500 Cyc	77/0	77/0	-
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-3/260C				

Qual #7 - QFN 0.8 mil Cu wire

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 1 日
信頼性試験 - 試料構成詳細				
Qual Device:	TLVDAC32IRHBR	-	-	
Assembly Site:	Clark-AT	Package/Code/Pins:	VQFN/RHB/32	
Mount Compound:	4207768	Mold Compound:	4208625	
Bond Wire:	0.8 Mil Dia., Cu	Solder Ball Composition:	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cycles	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
X-Ray	top side only	5/0	5/0	5/0
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

Qual #8 - QFN 0.96 mil Cu wire

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 1 月 3 日
信頼性試験 - 試料構成詳細				
Qual Device:	BQ24703RHD	-	-	
Assembly Site:	MLA	Package/Code/Pins:	VQFN/RHD/28	
Mount Compound:	4205846	Mold Compound:	4208625	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	150C, 500, 1000 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Tests require preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 1 月 3 日
信頼性試験 - 試料構成詳細				
Qual Device:	SN75DP139RGZ	-	-	
Assembly Site:	MLA	Package/Code/Pins:	VQFN/RGZ/48	
Mount Compound:	4205846	Mold Compound:	4208625	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	150C, 500, 1000 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 1 月 3 日
信頼性試験 - 試料構成詳細				
Qual Device:	TPA5050RSA	-	-	
Assembly Site:	MLA	Package/Code/Pins:	VQFN/RSA/16	
Mount Compound:	4205846	Mold Compound:	4208625	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	150C, 500, 1000 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Bond Strength	76 ball bonds, min. 3 units	76/0	76/0	76/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 1 月 3 日
信頼性試験 - 試料構成詳細				
Qual Device:	TPS51427ARHB	-	-	
Assembly Site:	MLA	Package/Code/Pins:	VQFN/RHB/32	
Mount Compound:	4205846	Mold Compound:	4208625	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	150C, 500, 1000 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cycles	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 1 月 3 日
信頼性試験 - 試料構成詳細				
Qual Device:	TPS51620RHAR	-	-	
Assembly Site:	MLA	Package/Code/Pins:	VQFN/RHA/40	
Mount Compound:	4205846	Mold Compound:	4208625	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	150C, 500, 1000 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Bond Strength	76 ball bonds, min. 3 units	76/0	76/0	76/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 1 日
信頼性試験 - 試料構成詳細				
Qual Device:	DRV401AIRGW	-	-	
Assembly Site:	Clark AT	Package/Code/Pins:	VQFN/RGW/20	
Mount Compound:	4207768	Mold Compound:	4208625	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Ball Bond Shear	76 balls 3 units min	76/0	76/0	76/0
Bond Pull	76 Wire 3 units min	76/0	76/0	76/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
X-ray	top side only	5/0	5/0	5/0
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 1 日
信頼性試験 — 試料構成詳細				
Qual Device:	SN75DP122ARTQ	-	-	
Assembly Site:	Clark-AT	Package/Code/Pins:	VQFN/RTQ/56	
Mount Compound:	4207768	Mold Compound:	4208625	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Ball Bond Shear	76 balls 3 units min	76/0	76/0	76/0
Bond Pull	76 Wire 3 units min	76/0	76/0	76/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
X-ray	top side only	5/0	5/0	5/0
Notes: ** Preconditioning sequence: JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 1 日
信頼性試験 — 試料構成詳細				
Qual Device:	TPA2005D1DRB	-	-	
Assembly Site:	Clark-AT	Package/Code/Pins:	VSON/DRB/8	
Mount Compound:	4207768	Mold Compound:	4208625	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Ball Bond Shear	76 balls 3 units min	76/0	76/0	76/0
Bond Pull	76 Wire 3 units min	76/0	76/0	76/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
X-ray	top side only	5/0	5/0	5/0
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 1 日
信頼性試験 — 試料構成詳細				
Qual Device:	TPS51217DSCR_RFAB	-	-	
Assembly Site:	Clark-AT	Package/Code/Pins:	WSON/DSC/10	
Mount Compound:	4207768	Mold Compound:	4208625	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
High Temp Operating Life	125C, 1000 Hrs, Vddmax	77/0	77/0	77/0
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Biased HAST	130C/85%RH, 96 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Ball Bond Shear	76 balls 3 units min	76/0	76/0	76/0
Bond Pull	76 Wire 3 units min	76/0	76/0	76/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
X-ray	top side only	5/0	5/0	5/0
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 1 日
信頼性試験 - 試料構成詳細				
Qual Device:	TPS51217DSC_UMC	-	-	
Assembly Site:	Clark-AT	Package/Code/Pins:	WSON/DSC/10	
Mount Compound:	4207768	Mold Compound:	4208625	
Bond Wire:	0.96 Mil Dia., Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Ball Bond Shear	76 balls 3 units min	76/0	76/0	76/0
Bond Pull	76 Wire 3 units min	76/0	76/0	76/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
X-ray	top side only	5/0	5/0	5/0
Notes: ** Preconditioning sequence: JEDEC L-2/260C				

信賴性試驗結果				
信賴性試驗期間	開始	—	終了	2009 年 6 月 2 日
信賴性試驗 - 試料構成詳細				
Qual Device:	TPA6132A2RTE	-	-	
Assembly Site:	TI Malaysia	Package/Code/Pins:	WQFN/RTE/16	
Mount Compound:	4205846-0001	Mold Compound:	4208625-0004	
Bond Wire:	0.96 Mil Dia. Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信賴性試驗結果				
Reliability Test	Condition / Duration		Sample Size/ Fails	
**Temp Cycle	-65/150C, 500 cycles		77/0	
High Temp Storage Bake	170C, 420 Hrs.		77/0	
**Autoclave	121C, 96 Hrs		77/0	
**Thermal Shock	-65/150C, 1000 Cycles		77/0	
Manufacturability (Assembly)	per assembly site spec		Approved	
Notes: ** Test requires Moisture Preconditioning, JEDEC L-2/260C				

信賴性試驗結果				
信賴性試驗期間	開始	—	終了	2009 年 6 月 2 日
信賴性試驗 - 試料構成詳細				
Qual Device:	TPS51117RGY	-	-	
Assembly Site:	TI Malaysia	Package/Code/Pins:	VQFN/RGY/14	
Mount Compound:	4205846-0001	Mold Compound:	4208625-0004	
Bond Wire:	0.96 Mil Dia. Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信賴性試驗結果				
Reliability Test	Condition / Duration		Sample Size/ Fails	
**Temp Cycle	-65/150C, 500 cycles		77/0	
High Temp Storage Bake	170C, 420 Hrs.		77/0	
**Autoclave	121C, 96 Hrs		77/0	
**Thermal Shock	-65/150C, 1000 Cycles		77/0	
Manufacturability (Assembly)	per assembly site spec		Approved	
Notes: ** Test requires Moisture Preconditioning, JEDEC L-2/260C				

信賴性試驗結果				
信賴性試驗期間	開始	—	終了	2009 年 6 月 2 日
信賴性試驗 — 試料構成詳細				
Qual Device:	TPS51125RGE	-	-	
Assembly Site:	TI Malaysia	Package/Code/Pins:	VQFN/RGE/24	
Mount Compound:	4205846-0001	Mold Compound:	4208625-0004	
Bond Wire:	0.96 Mil Dia. Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-2/260C	-	-	
信賴性試驗結果				
Reliability Test	Condition / Duration		Sample Size/ Fails	
**Temp Cycle	-65/150C, 500 cycles		77/0	
High Temp Storage Bake	170C, 420 Hrs.		77/0	
**Autoclave	121C, 96 Hrs		77/0	
**Thermal Shock	-65/150C, 1000 Cycles		77/0	
Manufacturability (Assembly)	per assembly site spec		Approved	
Notes: ** Test requires Moisture Preconditioning, JEDEC L-2/260C				

信賴性試驗結果				
信賴性試驗期間	開始	—	終了	2009 年 6 月 2 日
信賴性試驗 - 試料構成詳細				
Qual Device:	TPS51200DRC		-	-
Assembly Site:	TI Malaysia	Package/Code/Pins:	VSON/DRC/10	
Mount Compound:	4205846-0001	Mold Compound:	4208625-0004	
Bond Wire:	0.96 Mil Dia. Cu	Leadframe (Finish, Base):	NiPdAu, Cu	
MSL:	JEDEC L-3/260C		-	-
信賴性試驗結果				
Reliability Test	Condition / Duration		Sample Size/ Fails	
**Temp Cycle	-65/150C, 500 cycles		77/0	
High Temp Storage Bake	170C, 420 Hrs.		77/0	
**Autoclave	121C, 96 Hrs		77/0	
**Thermal Shock	-65/150C, 1000 Cycles		77/0	
Manufacturability (Assembly)	per assembly site spec		Approved	
Notes: ** Test requires Moisture Preconditioning, JEDEC L-3/260C				

Qual #9 - QFN 1.3 mil Cu wire

信頼性試験結果				
信頼性試験期間	開始	-	終了	2009年2月2日
信頼性試験 - 試料構成詳細				
Qual Device:	SN0701013DRC	-	-	
Assembly Site:	MLA	Package/Code/Pins:	VSON / DRC / 10	
Mount Compound:	4205846-0001	Mold Compound:	4208625-0001	
Bond Wire:	1.3 Mil Dia. Cu	L/F Composition/Finish:	Cu / NiPdAu	
MSL:	JEDEC, LEVEL2-260	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot#1	Lot#2	Lot#3
**Temp Cycle	-65/150C, 500 cycles	77/0	77/0	77/0
High Temp Storage Bake	170C, 420 Hrs.	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs.	77/0	77/0	77/0
**Thermal Shock	-65/150C, 1000 Cycles	77/0	77/0	77/0
Manufacturability (Assembly)	per assembly site spec	Approved	Approved	Approved
Note: ** Test requires Moisture Preconditioning, JEDEC L2-260C				

信頼性試験結果				
信頼性試験期間	開始	-	終了	2009 年 2 月 2 日
信頼性試験 - 試料構成詳細				
Qual Device :	TPA6040A4RHB	-	-	
Assembly Site:	MLA	Package/Code/Pins:	VQFN / RHB / 32	
Mount Compound:	4205846-0001	Mold Compound:	4208625-0001	
Bond Wire:	1.3 Mil Dia. Cu	L/F Composition/Finish:	Cu / NiPdAu	
MSL:	JEDEC, LEVEL3-260	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot#1	Lot#2	Lot#3
**Temp Cycle	-65/150C, 500 cycles	77/0	77/0	77/0
High Temp Storage Bake	170C, 420 Hrs.	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs.	77/0	77/0	77/0
**Thermal Shock	-65/150C, 1000 Cycles	77/0	77/0	77/0
Manufacturability (Assembly)	per assembly site spec	Approved	Approved	Approved
Note: ** Test requires Moisture Preconditioning, JEDEC L3-260C				

Qual #10 - QFN 2.0 mil Cu wire

信賴性試驗結果				
信賴性試驗期間	開始	—	終了	2009 年 1 月 26 日
信賴性試驗 — 試料構成詳細				
ID:	Device 1	Device 2		
Qual Device:	TPA3100D2RGZ (2 die side by side multi-chip module)	TPS65136RTE		
Assembly Site:	TI Malaysia	TI Malaysia		
Package/Code/Pins:	VQFN/RGZ/48	WQFN/RTE/16		
Mount Compound:	4205846	4207768		
Mold Compound:	4208625	4208625		
Bond Wire:	2 Mil Dia., Cu (both die)	2 Mil Dia., Cu		
Leadframe (Finish, Base):	NiPdAu, Cu	NiPdAu, Cu		
Interchip Bonds:	Yes - 14	-		
MSL:	JEDEC L-2/260C	JEDEC L-2/260C		
信賴性試驗結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Device 1	Device 2	
**Temp Cycle	-65/150C, 500 cycles	77/0	77/0	
High Temp Storage Bake	170C, 420 Hrs.	77/0	77/0	
**Autoclave	121C, 96 Hrs	77/0	77/0	
**Thermal Shock	-65/150C, 1000 Cycles	77/0	77/0	
Manufacturability (Assembly)	per assembly site spec	Approved	Approved	
Notes: ** Test requires Moisture Preconditioning, JEDEC L-2/260C				

Qual #11 - BGA 0.8 mil Cu wire

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 1 月 3 日
信頼性試験 - 試料構成詳細				
Qual Device:	TLV320AIC3106LZQE	-	-	
Assembly Site:	TI Taiwan	Package/Code/Pins:	JrBGA/ZQE/80	
Mount Compound:	4111062	Mold Compound:	4205867	
Bond Wire:	0.8 Mil Dia., Cu	Solder Ball:	SnAgCu, 11.81 mils Dia	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	150C, 1000 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**Unbiased HAST	130C/85%RH, 96 Hrs	77/0	77/0	77/0
**T/C	-55C/125C, 1000Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence, JEDEC L-3/260C				

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信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 1 月 3 日
信頼性試験 - 試料構成詳細				
Qual Device:	VSP6822AZRC	-	-	
Assembly Site:	TI Taiwan	Package/Code/Pins:	Jr BGA/ZRC/98	
Mount Compound:	4111062	Mold Compound:	4205867	
Bond Wire:	0.8 Mil Dia., Cu	Solder Ball:	SnAgCu, 11.81 mils Dia	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	150C, 1000 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**Unbiased HAST	130C/85%RH, 96 Hrs	77/0	77/0	77/0
**T/C	-55C/125C, 1000Cyc	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence, JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	TVAIC3106IZQER	-	-	
Assembly Site:	PHI	Package/Code/Pins:	JrBGA/ZQE/80	
Mount Compound:	4111062	Mold Compound:	4205867	
Bond Wire:	0.8 Mil Dia., Cu	Solder Ball:	SnAgCu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**High Temp. Storage Bake	150C, 500, 1000 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Bond Strength	76 ball bonds, min. 3 units	76/0	76/0	76/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 1 月 3 日
信頼性試験 - 試料構成詳細				
Qual Device:	VSP6825AZRCR	-	-	
Assembly Site:	TAI	Package/Code/Pins:	JrBGA/ZRC/103	
Mount Compound:	4111062	Mold Compound:	4205867	
Bond Wire:	0.8 Mil Dia., Cu	Solder Ball:	SnAgCu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot1	Lot2	Lot3
**Biased HAST	130C/85%RH, 96 Hrs	77/0	77/0	77/0
**High Temp. Storage Bake	150C, 500, 1000 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Bond Strength	76 ball bonds, min. 3 units	76/0	76/0	76/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-3/260C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2009 年 3 月 16 日
信頼性試験 - 試料構成詳細				
Qual Device:	TSB43DA42GHC	-	-	
Assembly Site:	PHI	Package/Code/Pins:	UBGA/GHC/169	
Mount Compound:	4073505	Mold Compound:	4203565	
Bond Wire:	0.8 Mil Dia. Cu	Solder Ball:	SnPb	
MSL:	JEDEC L-3/220C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot#1	Lot#2	Lot#3
**High Temp. Storage Bake	150C, 1000 Hours	77/0	77/0	77/0
**Unbiased HAST	130C/85%RH, 96 Hours	77/0	77/0	77/0
T/C	-55C/125C, 1000 Cycles	77/0	77/0	77/0
Manufacturability (Assembly)	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Test requires Moisture Preconditioning, JEDEC L-3.220C				

Qual #12 - BGA 0.96 mil Cu wire

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 7 月 7 日
信頼性試験 - 試料構成詳細				
Qual Device:	DRV590GQC	-	-	
Assembly Site:	TAI	Package/Code/Pins:	JrBGA/GQC/48	
Mount Compound:	4111062	Mold Compound:	4205867	
Bond Wire:	0.96 Mil Dia., Cu	Solder Ball:	SnPb	
MSL:	JEDEC L-2A/235C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Lot#1	Lot#2	Lot#3
**High Temp. Storage Bake	150C, 500, 1000 Hrs	77/0	77/0	77/0
**Autoclave	121C, 96 Hrs	77/0	77/0	77/0
**T/C	-65C/150C, 500 Cycles	77/0	77/0	77/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
Notes: ** Preconditioning sequence: JEDEC L-2A/235C				

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 8 月 25 日
信頼性試験 - 試料構成詳細				
Qual Device:	TPS658621CZGU	-	-	
Assembly Site:	TI Philippines	Package/Code/Pins:	u*BGA/ZGU/16	
Mount Compound:	4111062	Mold Compound:	4203565	
Bond Wire:	0.96 Mil Dia., Cu	Solder Ball Composition:	SnAgCu	
MSL:	JEDEC L-3/260C	-	-	
信頼性試験結果				
Reliability Test	Condition / Duration		Sample Size/ Fails	
**High Temp. Storage Bake	170C, 420 Hrs		77/0	
**Unbiased HAST	130C/85%RH, 96 Hrs		77/0	
**T/C	-55C/125C, 1000 Cyc		77/0	
Manufacturability	per mfg. Site specification		Approved	
Notes: ** Preconditioning sequence: JEDEC L-3/260C				

Qual #13 - PDIP 0.96 mil Cu wire

Qual: 10 / 4 Df: 0.000 mil Cu

信頼性試験結果				
信頼性試験期間	開始	—	終了	2011 年 9 月 27 日
信頼性試験 - 試料構成詳細				
Device ID:	Device1	Device2	Device3	
Qual Device:	CD4072BE	NE5532P	ULN2003AN	
Assembly Site:	TI Mexico	TI Mexico	TI Mexico	
Package/Code/Pins:	PDIP/N/14	PDIP/P/8	PDIP/N/16	
Mount Compound:	4147858	4147858	4147858	
Mold Compound:	4042503	4042503	4042503	
Bond Wire:	0.96 Mil Dia., Cu	0.96 Mil Dia., Cu	0.96 Mil Dia., Cu	
Leadframe (Finish, Base):	NiPdAu, Cu	NiPdAu, Cu	NiPdAu, Cu	
信頼性試験結果				
Reliability Test	Condition / Duration	Sample Size/ Fails		
		Device1	Device2	Device3
Bond Strength	76 ball bonds, min. 3 units	76/0	76/0	76/0
Biased HAST	130C/85%RH, 96 Hrs	77/0	77/0	77/0
Autoclave	121C, 96 hrs	77/0	77/0	77/0
X-Ray	Topside Only	5/0	5/0	5/0
Manufacturability	per mfg. Site specification	Approved	Approved	Approved
High Temp Operating Life	150C, 300 Hrs	76/0	77/0	77/0
High Temp Storage Bake	170C, 420 Hrs	77/0	77/0	77/0
T/C	-65C/150C, 500 Cyc	77/0	77/0	77/0
Electrical Characterization	-	Approved	Approved	Approved
Thermal Shock	-65C/150C, 500 Cyc	77/0	77/0	77/0