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西新宿三井ビルディング

報告書番号：PCN#20050913000C

2007 年 11 月 20 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 (牧)

TI 台湾サイト HPA PowerPad製品のDie(チップ)接着材の変更のご案内
(525 認定品への追加認定 240 製品の連絡)

(第三版 PCN20050913000A 2007 年 5 月 19 日発行)

(第二版 PCN20050913000 2006 年 9 月 12 日発行、初版 PCN20050913000 2005 年 9 月 28 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	下記変更について、525 認定品に加え 240 製品の追加認定の連絡になります。 TI 台湾サイト HPA PowerPad 製品の Die(チップ)接着材の変更 現行：チップ接着剤 HN408x 変更後：チップ接着剤 QMI529(熱伝導性の改善したもの)			
対象製品	対象製品リスト参照			
変更時期	12 月下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	—			

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：下記変更について、525 認定品に加え 240 製品の追加認定の連絡になります。

弊社 HPA(ハイパフォーマンスアナログ) TI(台湾)サイト製造一部パッケージファミリー製品について、DIE(チップ)とPowerPad(リードフレーム)間の接着材に、現行チップ接着剤 HN408xを使用しておりますが、熱伝導性の向上を目的として、これに変わり チップ接着剤 QMI529に変更し認定いたしました。この変更については、下記ピン/パッケージのPowerPad製品が対象の予定です。

<u>変更内容</u>	<u>現行</u>	<u>変更後</u>
チップ接着剤	HN408x	QMI529

PowerPad 製品			
Package	Pin	Package	Pin
DCA	48, 56	PHP	48
DCP	38, 44	PJD	64
DDV	44	PJW	64
DFD	56	PNP	128
DWD	20	PWD	24
DWP	20	PWP	14, 16, 20, 24, 28
PAP	64	PZP	100
PFD	100	RCP	64
PFP	80	VFP	32
PHD	64		

また、弊社認定試験の結果を基に対象製品の追加を今後予定しておりパッケージピン数などの組合せごとに認定結果を含め別途連絡させていただきます。

理由：熱伝導性の向上の為

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対象製品リスト

対象製品名				
■:認定終了品 ■(右詰下線付き): 240 追加認定品 □:認定中				
2U73HD301QPWP	TAS51101DAD	TPA3002D2PHP	TPS54356PWP	TPS73HD325PWPRG4
ADS1605CPAP	TAS51101DADR	TPA3002D2PHPG4	TPS54356PWPG4	TPS75101QPWP
ADS1605CPAPR	TAS5111ADAD	TPA3002D2PHPR	TPS54356PWPR	TPS75101QPWPR
ADS1605IPAP	TAS5111ADADR	TPA3002D2PHPRG4	TPS54356PWPRG4	TPS75115QPWP
ADS1605IPAPR	TAS5111ADADRG4	TPA3004D2PHP	TPS54357PWP	TPS75115QPWPG4
ADS1605IPAPRG4	TAS5111DAD	TPA3004D2PHPG4	TPS54357PWPG4	TPS75115QPWPR
ADS1605IPAPT	TAS5111DADR	TPA3004D2PHPR	TPS54357PWPR	TPS75115QPWPRG4
ADS1606IPAPR	TAS5111DADRG4	TPA3004D2PHPRG4	TPS54357PWPRG4	TPS75118QPWP
ADS1606IPAPRG4	TAS5112ADCAG4	TPA3005D2PHP	TPS54371PWP	TPS75118QPWPG4
ADS1606IPAPT	TAS5112ADCARG4	TPA3005D2PHPG4	TPS54371PWPR	TPS75118QPWPR
ADS1610_Z005APAP	TAS5112ADFD	TPA3005D2PHPR	TPS54372PWP	TPS75118QPWPRG4
ADS1610IPAP	TAS5112ADFDR	TPA3005D2PHPRG4	TPS54372PWPR	TPS75125QPWP
ADS1625IPAPR	TAS5112ADFDRG4	TPA3008D2PHP	TPS54372PWPRG4	TPS75125QPWPG4
ADS1625IPAPT	TAS5112DFD	TPA3008D2PHPR	TPS54373PWP	TPS75125QPWPR
ADS1626IPAPR	TAS5112DFDR	TPA3008D2PHPRG4	TPS54373PWPG4	TPS75125QPWPRG4
ADS1626IPAPRG4	TAS5112DFDRG4	TPA3200D1DCP2	TPS54373PWPR	TPS75133QPWP
ADS1626IPAPT	TAS5122DFD	TPA3200D1DCP3	TPS54373PWPRG4	TPS75133QPWPG4
ADS2806Y	TAS5122DFDR	TPA3200D1DCP4	TPS54380PWP	TPS75133QPWPR
ADS2806Y/1K5	TAS5182IDCARG4	TPA6000PWP	TPS54380PWPG4	TPS75133QPWPRG4
ADS2806Y/250	THS3096PWP	TPA6010A4PWP	TPS54380PWPR	TPS75201QPWP
ADS2806Y/250G4	THS3096PWPR	TPA6010A4PWPR	TPS54380PWPRG4	TPS75201QPWPG4
ADS2807Y/1K5	THS3096PWPRG4	TPA6011A4PWP	TPS54610PWP	TPS75201QPWPR
ADS2807Y/1K5G4	THS3115CPWP	TPA6011A4PWPG4	TPS54610PWPG4	TPS75201QPWPRG4
ADS2807Y/250	THS3115CPWPG4	TPA6011A4PWPR	TPS54610PWPR	TPS75215QPWP
ADS5240IPAP	THS3115CPWPR	TPA6011A4PWPRG4	TPS54610PWPRG4	TPS75215QPWPG4
ADS5240IPAPG4	THS3115IPWP	TPA6016A3PWP	TPS54611PWP	TPS75215QPWPR
ADS5240IPAPT	THS3115IPWPG4	TPA6016A3PWPR	TPS54611PWPR	TPS75218QPWP
ADS5240IPAPTG4	THS3115IPWPR	TPA6017A2PWP	TPS54612PWP	TPS75218QPWPG4
ADS5241IPAP	THS3115IPWPRG4	TPA6017A2PWPR	TPS54612PWPR	TPS75218QPWPR
ADS5241IPAPT	THS3125CPWP	TPA6017A2PWPRG4	TPS54612PWPRG4	TPS75218QPWPRG4
ADS5242IPAP	THS3125CPWPG4	TPA6019A4PWP	TPS54613PWP	TPS75225QPWP
ADS5270IPFP	THS3125CPWPR	TPA6019A4PWPR	TPS54613PWPR	TPS75225QPWPR
ADS5270IPFPG4	THS3125CPWPRG4	TPA6019A4PWPRG4	TPS54613PWPRG4	TPS75225QPWPRG4
ADS5270IPFPT	THS3125IPWP	TPA6030A4PWP	TPS54614PWP	TPS75233QPWP
ADS5270IPFPTG4	THS3125IPWPG4	TPA6030A4PWPR	TPS54614PWPR	TPS75233QPWPR
ADS5271IPFP	THS3125IPWPR	TPA6030A4PWPRG4	TPS54614PWPRG4	TPS75233QPWPRG4
ADS5271IPFPG4	THS3125IPWPRG4	TPA6031A4PWP	TPS54615PWP	TPS75301QPWP
ADS5271IPFPT	THS4141CPWP	TPA6031A4PWPR	TPS54615PWPG4	TPS75301QPWPR
ADS5271IPFPTG4	THS4141CPWPR	TPA6032A2PWP	TPS54615PWPR	TPS75301QPWPRG4
ADS5272IPFP	THS4141IPWP	TPA6032A2PWPR	TPS54615PWPRG4	TPS75315QPWP
ADS5272IPFPG4	THS4141IPWPR	TPA6120A3PWP	TPS54616PWP	TPS75315QPWPR
ADS5273IPFP	THS4223PWP	TPPM0602PWP	TPS54616PWPG4	TPS75315QPWPRG4
ADS5275IPFP	THS4223PWPR	TPPM0609PFPR	TPS54616PWPR	TPS75318QPWP
ADS5275IPFPT	THS4227PWP	TPS2010APWP	TPS54616PWPRG4	TPS75318QPWPR
ADS5276IPFP	THS4227PWPR	TPS2010APWPG4	TPS54671PWP	TPS75318QPWPRG4
ADS5276IPFPT	THS6007CPWP	TPS2010APWPR	TPS54671PWPR	TPS75325QPWP
ADS5277IPFP	THS6007CPWPR	TPS2010APWPRG4	TPS54672PWP	TPS75325QPWPR
ADS5277IPFPG4	THS6007IPWP	TPS2011APWP	TPS54672PWPG4	TPS75325QPWPRG4
ADS5278IPFP	THS6007IPWPR	TPS2011APWPG4	TPS54672PWPR	TPS75333QPWP
ADS5278IPFPT	THS6007TPWP	TPS2011APWPR	TPS54672PWPRG4	TPS75333QPWPG4
ADS5410IPHP	THS6007TPWPR	TPS2011APWPRG4	TPS54673PWP	TPS75333QPWPR
ADS5413-11IPHP	THS6022CPWP	TPS2012APWP	TPS54673PWPR	TPS75333QPWPRG4
ADS5413-11IPHPG4	THS6022CPWPG4	TPS2012APWPG4	TPS54673PWPRG4	TPS75401QPWP
ADS5413IPHP	THS6022CPWPR	TPS2012APWPR	TPS54680PWP	TPS75401QPWPG4
ADS5413IPHPG4	THS6022CPWPRG4	TPS2012APWPRG4	TPS54680PWPG4	TPS75401QPWPR
ADS5420IPAP	THS6022IPWP	TPS2013APWP	TPS54680PWPR	TPS75415QPWP
ADS5420IPFP	THS6022IPWPR	TPS2013APWPG4	TPS54680PWPRG4	TPS75415QPWPR
ADS5440IPFP	THS6022IPWPRG4	TPS2013APWPR	TPS54810PWP	TPS75418QPWP
ADS5444IPFP	THS6022TPWP	TPS2070DAP	TPS54810PWPG4	TPS75418QPWPG4
ADS5444IPFPR	THS6022TPWPR	TPS2070DAPR	TPS54810PWPR	TPS75418QPWPR
ADS5500IPAP	THS6042CPWP	TPS2071DAP	TPS54810PWPRG4	TPS75418QPWPRG4
ADS5500IPAPG4	THS6042CPWPR	TPS2071DAPR	TPS54872PWP	TPS75425QPWP

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ADS5500IPAPR	THS6042IPWP	TPS2140IPWP	TPS54872PWPG4	TPS75425QPWPG4
ADS5500IPAPRG4	THS6042IPWPR	TPS2140IPWPR	TPS54872PWPR	TPS75425QPWPR
ADS5520IPAP	THS6043CPWP	TPS2140IPWPRG4	TPS54872PWPRG4	TPS75425QPWPRG4
ADS5520IPAPG4	THS6043CPWPR	TPS2141IPWP	TPS54873PWP	TPS75433QPWP
ADS5520IPAPR	THS6043CPWPRG4	TPS2141IPWPG4	TPS54873PWPR	TPS75433QPWPR
ADS5520IPAPRG4	THS6043IPWP	TPS2141IPWPR	TPS54880PWP	TPS76701QPWP
ADS5521IPAP	THS6043IPWPG4	TPS2145IPWP	TPS54880PWPR	TPS76701QPWPR
ADS5521IPAPG4	THS6043IPWPR	TPS2145IPWPR	TPS54880PWPRG4	TPS76715QPWP
ADS5521IPAPR	THS6043IPWPRG4	TPS2145IPWPRG4	TPS54900PWP	TPS76715QPWPG4
ADS5521IPAPRG4	THS6043TPWP	TPS2145PWP	TPS54910PWP	TPS76715QPWPR
ADS5522IPAP	THS6043TPWPR	TPS2145PWPR	TPS54910PWPG4	TPS76715QPWPRG4
ADS5522IPAPG4	THS6053CPWP	TPS2150IPWP	TPS54910PWPR	TPS76718QPWP
ADS5522IPAPR	THS6053CPWPG4	TPS2150IPWPR	TPS54910PWPRG4	TPS76718QPWPG4
ADS5522IPAPRG4	THS6053CPWPR	TPS2150IPWPRG4	TPS54972PWP	TPS76718QPWPR
ADS5532IPFP	THS6053CPWPRG4	TPS2151IPWP	TPS54972PWPR	TPS76718QPWPRG4
ADS5532IPFPR	THS6053IPWP	TPS2151IPWPG4	TPS54972PWPRG4	TPS76725QPWP
ADS5533IPFP	THS6053IPWPR	TPS2151IPWPR	TPS54973PWP	TPS76725QPWPG4
ADS5533IPFPR	THS6053IPWPRG4	TPS2151IPWPRG4	TPS54973PWPR	TPS76725QPWPR
ADS5541IPAP	THS6053TPWP	TPS2155IPWP	TPS54973PWPRG4	TPS76725QPWPRG4
ADS5541IPAPG4	THS6053TPWPR	TPS2155IPWPG4	TPS54974PWP	TPS76727QPWP
ADS5541IPAPR	THS6093CPWP	TPS2155IPWPR	TPS54974PWPR	TPS76727QPWPG4
ADS5541IPAPRG4	THS6093CPWPR	TPS2155IPWPRG4	TPS54980PWP	TPS76727QPWPR
ADS5542IPAP	THS6093CPWPRG4	TPS2204A	TPS54980PWPR	TPS76727QPWPRG4
ADS5542IPAPG4	THS6093IPWP	TPS2204APWP	TPS56100PWP	TPS76728QPWP
ADS5542IPAPR	THS6093IPWPR	TPS2204APWPR	TPS56100PWPG4	TPS76728QPWPG4
ADS5542IPAPRG4	THS6093IPWPRG4	TPS2205IDAP	TPS56100PWPR	TPS76728QPWPR
ADS5545IPAP	THS6093TPWP	TPS2205IDAPR	TPS56100PWPRG4	TPS76728QPWPRG4
ADS5545IPAPR	THS6093TPWPR	TPS2206ADAP	TPS5615PWP	TPS76730QPWP
ADS5552IPFP	THS6182CPWP	TPS2206ADAPR	TPS5615PWPR	TPS76730QPWPG4
ADS5552IPFPR	THS6182CPWPR	TPS2206IDAP	TPS5618PWP	TPS76730QPWPR
ADS5553IPFP	THS6182IPWP	TPS2206IDAPR	TPS5618PWPG4	TPS76730QPWPRG4
ADS5553IPFPG4	THS6182IPWPR	TPS2206IDAPRG4	TPS5618PWPR	TPS76733PWPR
ADS5553IPFPR	THS6182PWP	TPS2210APWP	TPS5625PWP	TPS76733QPWP
ADS5553IPFPRG4	THS6182PWPR	TPS2210APWPR	TPS5625PWPG4	TPS76733QPWPG4
ADS808Y	THS7001CPWP	TPS2211APWP	TPS5625PWPR	TPS76733QPWPR
ADS808Y/250	THS7001CPWPG4	TPS2211APWPG4	TPS5625PWPRG4	TPS76750QPWP
ADS809Y	THS7001CPWPR	TPS2211APWPR	TPS56300PWP	TPS76750QPWPG4
ADS809Y/250	THS7001IPWP	TPS2211APWPRG4	TPS56300PWPG4	TPS76750QPWPR
ADS809Y/250G4	THS7001IPWPG4	TPS2216ADAP	TPS56300PWPR	TPS76750QPWPRG4
BQ24001PWP	THS7001IPWPR	TPS2216ADAPR	TPS56302PWP	TPS767D301PWP
BQ24001PWPG4	THS7001IPWPRG4	TPS2216DAP	TPS56302PWPR	TPS767D301PWPG4
BQ24001PWPR	THS7002CPWP	TPS2216DAPR	TPS56302PWPRG4	TPS767D301PWPR
BQ24001PWPRG4	THS7002CPWPR	TPS2220APWP	TPS56308PWP	TPS767D318PWP
BQ24002PWP	THS7002CPWPRG4	TPS2220APWPR	TPS56308PWPR	TPS767D318PWPG4
BQ24002PWPG4	THS7002IPWP	TPS2220APWPRG4	TPS56311PWP	TPS767D318PWPR
BQ24002PWPR	THS7002IPWPR	TPS2220BPWP	TPS56311PWPR	TPS767D318PWPRG4
BQ24002PWPRG4	THS7002IPWPRG4	TPS2220BPWPR	TPS56312PWP	TPS767D325PWP
BQ24003PWP	THS7002TPWP	TPS2220BPWPRG4	TPS56312PWPR	TPS767D325PWPG4
BQ24003PWPR	THS7002TPWPR	TPS2221PWP	TPS56318PWP	TPS767D325PWPR
BQ24003PWPRG4	THS7013CPHP	TPS2221PWPR	TPS56318PWPR	TPS767D325PWPRG4
BQ24004PWP	THS7013CPHPR	TPS2221PWPRG4	TPS5633PWP	TPS76801QPWP
BQ24004PWPG4	THS7013IPHP	TPS2222PWP	TPS5633PWPR	TPS76801QPWPR
BQ24004PWPR	THS7013IPHPR	TPS2222PWPR	TPS5633PWPRG4	TPS76801QPWPRG4
BQ24004PWPRG4	THS7510CPWP	TPS2223APWP	TPS60100PWP	TPS76815QPWP
BQ24005PWP	THS7510CPWPR	TPS2223APWPR	TPS60100PWPG4	TPS76815QPWPG4
BQ24005PWPG4	THS7510IPWP	TPS2223APWPRG4	TPS60100PWPR	TPS76815QPWPR
BQ24005PWPR	THS7510IPWPR	TPS2223PWP	TPS60100PWPRG4	TPS76815QPWPRG4
BQ24005PWPRG4	THS7510PWP	TPS2223PWPR	TPS60101PWP	TPS76818QPWP
BQ24006PWP	THS7510PWPR	TPS2224APWP	TPS60101PWPG4	TPS76818QPWPR
BQ24006PWPG4	THS7530CPWP	TPS2224APWPR	TPS60101PWPR	TPS76818QPWPRG4
BQ24006PWPR	THS7530CPWPR	TPS2224APWPRG4	TPS60101PWPRG4	TPS76825QPWP
BQ24006PWPRG4	THS7530IPWP	TPS2224PWP	TPS60110PWP	TPS76825QPWPR
BQ24007PWP	THS7530IPWPR	TPS2224PWPG4	TPS60110PWPG4	TPS76825QPWPRG4
BQ24007PWPR	THS7530PWP	TPS2224PWPR	TPS60110PWPR	TPS76827QPWP
BQ24008PWP	THS7530PWPG4	TPS2224PWPRG4	TPS60110PWPRG4	TPS76827QPWPG4
BQ24008PWPG4	THS7530PWPR	TPS2228PWP	TPS60111PWP	TPS76827QPWPR

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BQ24008PWPR	THS7530PWPRG4	TPS2228PWPG4	TPS60111PWPG4	TPS76827QPWPRG4
BQ24008PWPRG4	THS8083A95PZP	TPS2228PWPR	TPS60111PWPR	TPS76828QPWP
BQ24210PWP	THS8083APZP	TPS2228PWPRG4	TPS60111PWPRG4	TPS76828QPWPG4
BQ24210PWPR	THS8083APZPG4	TPS2231PWP	TPS60120PWP	TPS76828QPWPR
BQ24211PWP	THS8133BCPHP	TPS2231PWPR	TPS60120PWPG4	TPS76828QPWPRG4
BQ24211PWPR	THS8133BCPHPG4	TPS2231PWPRG4	TPS60120PWPR	TPS76830QPWP
BQ24212PWP	THS8134BCPHP	TPS2236DAP	TPS60120PWPRG4	TPS76830QPWPG4
BQ24212PWPR	THS8134BCPHPG4	TPS2236DAPG4	TPS60121PWP	TPS76830QPWPR
BQ24213PWP	THS8134BCPHPR	TPS2236DAPR	TPS60121PWPG4	TPS76830QPWPRG4
BQ24213PWPR	THS8135PHP	TPS2236DAPRG4	TPS60121PWPR	TPS76833QPWP
BQ24214PWP	THS8135PHPG4	TPS23371PWP	TPS60121PWPRG4	TPS76833QPWPG4
BQ24214PWPR	THS8163PHP	TPS23371PWPR	TPS60122PWP	TPS76833QPWPR
BQ24215PWP	THS8200FPF	TPS2340APFP	TPS60122PWPG4	TPS76833QPWPRG4
BQ24215PWPR	THS8200FPFG4	TPS2340APFPR	TPS60122PWPR	TPS76850QPWP
BUF05704A1PWP	TLC074A1PWP	TPS2340FPF	TPS60122PWPRG4	TPS76850QPWPG4
BUF05704A1PWPR	TLC074A1PWPG4	TPS2342PFP	TPS60123PWP	TPS76850QPWPR
BUF06704A1PWP	TLC074A1PWP	TPS2342PFPR	TPS60123PWPG4	TPS76850QPWPRG4
BUF06704A1PWPR	TLC074A1PWPRG4	TPS2342PFPRG4	TPS60123PWPR	TPS77501PWP
BUF07702PWP	TLC074CPWP	TPS23750PWP	TPS60123PWPRG4	TPS77501PWPR
BUF07702PWPR	TLC074CPWPR	TPS23750PWPG4	TPS60124PWP	TPS77501PWPRG4
BUF07703PWP	TLC074CPWPRG4	TPS23750PWPR	TPS60124PWPR	TPS77515PWP
BUF07703PWPR	TLC0741PWP	TPS23750PWPRG4	TPS60124PWPRG4	TPS77515PWPG4
BUF07703PWPRG4	TLC0741PWPR	TPS23770PWP	TPS60125PWP	TPS77515PWPR
BUF07704A1PWP	TLC075A1PWP	TPS23770PWPR	TPS60125PWPG4	TPS77515PWPRG4
BUF07704A1PWPR	TLC075A1PWPR	TPS2384APAP	TPS60125PWPR	TPS77516PWP
BUF07710PWP	TLC075A1PWPRG4	TPS2384APAPR	TPS60125PWPRG4	TPS77516PWPG4
BUF07710PWPR	TLC075CPWP	TPS2384APJD	TPS60130PWP	TPS77516PWPR
BUF11702CPWPR	TLC075CPWPR	TPS2384APJDR	TPS60130PWPG4	TPS77516PWPRG4
BUF117021PWPR	TLC075CPWPRG4	TPS2384PAP	TPS60130PWPR	TPS77518PWP
BUF11702PWP	TLC0751PWP	TPS2384APAPR	TPS60130PWPRG4	TPS77518PWPG4
BUF11702PWPR	TLC0751PWPR	TPS2384APAPRG4	TPS60131PWP	TPS77518PWPR
BUF11702PWPRG4	TLC0751PWPRG4	TPS2830PWP	TPS60131PWPG4	TPS77518PWPRG4
BUF11704A1PWP	TLC084A1PWP	TPS2830PWPG4	TPS60131PWPR	TPS77525PWP
BUF11704A1PWPR	TLC084A1PWPR	TPS2830PWPR	TPS60131PWPRG4	TPS77525PWPG4
BUF11704PWP	TLC084A1PWPRG4	TPS2830PWPRG4	TPS60132PWP	TPS77525PWPR
BUF11704PWPR	TLC084CPWP	TPS2831PWP	TPS60132PWPG4	TPS77525PWPRG4
BUF12800A1PWP	TLC084CPWPG4	TPS2831PWPG4	TPS60132PWPR	TPS77530PWP
BUF12800A1PWPG4	TLC084CPWPR	TPS2831PWPR	TPS60133PWP	TPS77530PWPR
BUF12800A1PWPR	TLC084CPWPRG4	TPS2831PWPRG4	TPS60133PWPG4	TPS77533PWP
BUF16820A1DAPR	TLC0841PWP	TPS2834PWP	TPS60133PWPR	TPS77533PWPG4
BUF20800A1DCPR	TLC0841PWPR	TPS2834PWPR	TPS60133PWPRG4	TPS77533PWPR
BUF20820A1DCPR	TLC0841PWPRG4	TPS2834PWPRG4	TPS60140PWP	TPS77533PWPRG4
DAC56741PHP	TLC085A1PWP	TPS2835PWP	TPS60140PWPG4	TPS77601PWP
DAC56741PHPG4	TLC085A1PWPR	TPS2835PWPG4	TPS60140PWPR	TPS77601PWPR
DAC56741PHPR	TLC085A1PWPRG4	TPS2835PWPR	TPS60140PWPRG4	TPS77601PWPRG4
DAC56741PHPRG4	TLC085CPWP	TPS2835PWPRG4	TPS60141PWP	TPS77615PWP
DAC5675A1PHP	TLC085CPWPR	TPS2838PWP	TPS60141PWPG4	TPS77615PWPG4
DAC5675A1PHPG4	TLC085CPWPRG4	TPS2838PWPG4	TPS60141PWPR	TPS77615PWPR
DAC5675A1PHPR	TLC0851PWP	TPS2838PWPR	TPS60141PWPRG4	TPS77615PWPRG4
DAC5675A1PHPRG4	TLC0851PWPG4	TPS2838PWPRG4	TPS61030PWP	TPS77618PWP
DAC56751PHP	TLC0851PWPR	TPS2839PWP	TPS61030PWPR	TPS77618PWPG4
DAC56751PHPG4	TLC0851PWPRG4	TPS2839PWPG4	TPS61030PWPRG4	TPS77618PWPR
DAC56751PHPR	TLC5904PZP	TPS2839PWPR	TPS61031PWP	TPS77618PWPRG4
DAC56751PHPRG4	TLC5904PZPG4	TPS2839PWPRG4	TPS61031PWPR	TPS77625PWP
DAC56821PFP	TLC5905PAP	TPS2848PWP	TPS61031PWPRG4	TPS77625PWPG4
DAC56821PFPR	TLC5911PZP	TPS2848PWPG4	TPS61032PWP	TPS77625PWPR
DAC56861PZP	TLC5911PZPG4	TPS2848PWPR	TPS61032PWPG4	TPS77625PWPRG4
DAC56861PZPG4	TLC5921DAP	TPS2848PWPRG4	TPS61032PWPR	TPS77628PWP
DAC56871PZP	TLC5921DAPG4	TPS2849PWP	TPS61032PWPRG4	TPS77628PWPG4
DAC56871PZPG4	TLC5921DAPR	TPS2849PWPG4	TPS65100PWP	TPS77628PWPR
DAC56871PZPR	TLC5921DAPRG4	TPS2849PWPR	TPS65100PWPG4	TPS77633PWP
DRV104PWP	TLC5922DAP	TPS2849PWPRG4	TPS65100PWPR	TPS77633PWPG4
DRV104PWPG4	TLC5922DAPR	TPS40010PWP	TPS65101PWP	TPS77633PWPR
DRV104PWPR	TLC5922DAPRG4	TPS40010PWPR	TPS65101PWPR	TPS77633PWPRG4
ES7110S	TLC5923DAP	TPS40011PWP	TPS65105PWP	TPS77701PWP
HPA00030DAPR	TLC5923DAPR	TPS40011PWPR	TPS65105PWPR	TPS77701PWPR

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HPA00031PWPR	TLC5930PWP	TPS40012PWP	TPS65105PWPRG4	TPS77701PWPRG4
HPA00046PZP	TLC5930PWPR	TPS40012PWPR	TPS65106PWP	TPS77715PWP
HPA000571PAP	TLC5940PWP	TPS40013PWP	TPS65106PWPR	TPS77715PWPG4
HPA000571PAPR	TLC5940PWPG4	TPS40013PWPR	TPS65140PWP	TPS77715PWPR
HPA000581PAP	TLC5940PWPR	TPS40020PWP	TPS65140PWPG4	TPS77715PWPRG4
HPA000581PAPR	TLC5940PWPRG4	TPS40020PWPG4	TPS65140PWPR	TPS77718PWP
HPA00061ADFDR	TLC5941PWP	TPS40020PWPR	TPS65140PWPRG4	TPS77718PWPG4
HPA000681PAP	TLC5941PWPR	TPS40020PWPRG4	TPS65141PWP	TPS77718PWPR
HPA000681PAPR	TLC5941PWPRG4	TPS40021PWP	TPS65141PWPR	TPS77718PWPRG4
HPA000777DFD	TLK15211PAP	TPS40021PWPG4	TPS65145PWP	TPS77725PWP
HPA00077DFD	TLK25211PAP	TPS40021PWPR	TPS65145PWPR	TPS77725PWPG4
HPA00082PWPR	TLK25211PAPR	TPS40021PWPRG4	TPS65146PWP	TPS77725PWPR
OPA561PWP	TLV2474A1PWP	TPS40050PWP	TPS65146PWPR	TPS77725PWPRG4
OPA561PWP/2K	TLV2474A1PWPR	TPS40050PWPG4	TPS65150PWP	TPS77730PWP
OPA561PWP/2KG4	TLV2474A1PWPRG4	TPS40050PWPR	TPS65150PWPG4	TPS77730PWPR
OPA561PWPR	TLV2474CPWP	TPS40050PWPRG4	TPS65150PWPR	TPS77733PWP
OPA567A1PWP	TLV2474CPWPR	TPS40051PWP	TPS65150PWPRG4	TPS77733PWPG4
OPA567A1PWPR	TLV2474CPWPRG4	TPS40051PWPG4	TPS65151PWP	TPS77733PWPR
P2TAS3108DCP	TLV24741PWP	TPS40051PWPR	TPS65151PWPR	TPS77733PWPRG4
P2TAS3108DCPR	TLV24741PWPG4	TPS40051PWPRG4	TPS65160APWP	TPS77801PWP
PADS52781PFP	TLV24741PWPR	TPS40052PWP	TPS65160APWPR	TPS77801PWPG4
PADS54441PFP	TLV24741PWPRG4	TPS40052PWPG4	TPS65160APWPRG4	TPS77801PWPR
PADS55001PAP	TLV2475A1PWP	TPS40052PWPR	TPS65160PWPR	TPS77801PWPRG4
PADS55221PAP	TLV2475A1PWPR	TPS40052PWPRG4	TPS65160PWPG4	TPS77815PWP
PCM4108CPAPR	TLV2475A1PWPRG4	TPS40053PWP	TPS65160PWPR	TPS77815PWPG4
PCM4108CPAPT	TLV2475CPWP	TPS40053PWPR	TPS65160PWPRG4	TPS77815PWPR
PCM4204PAPR	TLV2475CPWPG4	TPS40053PWPRG4	TPS70102PWP	TPS77815PWPRG4
PCM4204PAPRG4	TLV2475CPWPR	TPS40054PWP	TPS70102PWPR	TPS77818PWP
PCM4204PAPT	TLV24751PWP	TPS40054PWPG4	TPS70102PWPRG4	TPS77818PWPR
PCM4204PAPTG4	TLV24751PWPG4	TPS40054PWPR	TPS70145PWP	TPS77818PWPRG4
PCM42121PAP	TLV24751PWPR	TPS40054PWPRG4	TPS70145PWPR	TPS77825PWP
PCM42321PAP	TLV24751PWPRG4	TPS400550WPRG4	TPS70145PWPRG4	TPS77825PWPR
PCM42321PAPR	TNETD6007PWP	TPS40055PWP	TPS70148PWP	TPS77825PWPRG4
PSN105090PAP	TNETD6007PWPR	TPS40055PWPG4	TPS70148PWPR	TPS77833PWP
PTLK15211PAP	TNETD6022PWP	TPS40055PWPR	TPS70148PWPRG4	TPS77833PWPG4
PTLK25211PAP	TNETD6022PWPG4	TPS40055PWPRG4	TPS70151PWP	TPS77833PWPR
PTVP5146M2PFP	TNETD6022PWPR	TPS40057PWP	TPS70151PWPG4	TPS77833PWPRG4
PTVP5146M2PFP	TNETD6022PWPRG4	TPS40057PWPG4	TPS70151PWPR	TPS78701PWP
PTVP5147M1PFP	TNETD7002PWP	TPS40057PWPR	TPS70151PWPRG4	TPS78701PWPR
PTVP5147M1PFP	TNETD7002PWPG4	TPS40057PWPRG4	TPS70158PWP	TPS78715PWP
PVSP901RFP	TNETD7002PWPR	TPS40060PWP	TPS70158PWPR	TPS78715PWPR
SLK25011PZP	TNETE2201BPHD	TPS40060PWPG4	TPS70158PWPRG4	TPS78718PWP
SLK25011PZPG4	TNETE2201BPHDG4	TPS40060PWPR	TPS70202PWP	TPS78718PWPR
SLK2511A1PZP	TNETE2201BPHDR	TPS40060PWPRG4	TPS70202PWPR	TPS78725PWP
SLK25111PZP	TNETE2201BPJD	TPS40061PWP	TPS70202PWPRG4	TPS78725PWPR
SLK27011PZP	TNETE2201BPJDG4	TPS40061PWPG4	TPS70245PWP	TPS78733PWP
SLK27211PZP	TNETE2201BPJDR	TPS40061PWPR	TPS70245PWPR	TPS78733PWPR
SLK27211PZPG4	TNETE2201BPJDRG4	TPS40061PWPRG4	TPS70245PWPRG4	TRFDRE09PAP
SNO203015PWPR	TNETE2201PJDG4	TPS40062PWP	TPS70248PWP	TRFDRE09PAPR
SNO203018PWPR	TP60100PWP	TPS40062PWPR	TPS70248PWPR	TRFDRE10PAP
SNO205034PWP	TP60100PWPR	TPS40070PWP	TPS70248PWPRG4	TRFDRE10APG4
SNO205034PWPR	TP60101PWP	TPS40070PWPG4	TPS70251PWP	TRFDRE10APR
SNO207009PWPR	TP60101PWPR	TPS40070PWPR	TPS70251PWPR	TRFDRE10APRG4
SNO207009PWPRG4	TP60110PWP	TPS40070PWPRG4	TPS70251PWPRG4	TVP5020DUAL
SNO208017PWP	TP60110PWPR	TPS40071PWP	TPS70258PWP	TVP5020HFAB
SNO208017PWPR	TP60111PWP	TPS40071PWPG4	TPS70258PWPR	TVP5021PFP
SNO210045APHP	TP60111PWPR	TPS40071PWPR	TPS70258PWPRG4	TVP5022PFP
SNO210045APHPR	TPA005D04DCA	TPS40071PWPRG4	TPS70302PWP	TVP5022PFP
SNO210045PHPR	TPA005D12DCA	TPS40072PWP	TPS70302PWPR	TVP5031PFP
SNO210045PHPRG4	TPA005D12DCAR	TPS40072PWPR	TPS70345PWP	TVP5040CPFP
SNO302034PWP	TPA005D14DCA	TPS40080PWP	TPS70345PWPR	TVP5040DUAL
SNO302034PWPR	TPA005D14DCAR	TPS40080PWPR	TPS70348PWP	TVP5041PFP
SNO401093PWP	TPA005H12DAP	TPS40081PWP	TPS70348PWPR	TVP5145AFPP
SNO401093PWPR	TPA0102PWP	TPS40081PWPR	TPS70351PWP	TVP5145PFP
SNO403055PWPR	TPA0102PWPR	TPS40082PWP	TPS70351PWPR	TVP5145PFP-D
SNO403055PWPRG4	TPA0102PWPRG4	TPS40082PWPR	TPS70358PWP	TVP5145PFP

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SN0405001PWPR	TPA0103PWP	TPS51116PWP	TPS70358PWPR	TVP5146M1PFP
SN0405001PWPRG4	TPA0103PWPR	TPS51116PWPG4	TPS70402PWP	TVP5146M1PFPR
SN0405063PWPR	TPA0103PWPRG4	TPS51116PWPR	TPS70402PWPG4	TVP5146M2PFP
SN0411146PFP	TPA0112PWP	TPS51116PWPRG4	TPS70402PWPR	TVP5146M2PFPR
SN0411146PFPR	TPA0112PWPG4	TPS5210PWP	TPS70445PWP	TVP5146PFP
SN0503059DFD	TPA0112PWPR	TPS5210PWPR	TPS70445PWPR	TVP5146PFPR
SN0503059DFDR	TPA0122PWP	TPS5210PWPRG4	TPS70448PWP	TVP5146PFPRG4
SN0506002DFD	TPA0122PWPR	TPS5211PWP	TPS70448PWPR	TVP5147M1PFP
SN104680PWPLE	TPA0122PWPRG4	TPS5211PWPR	TPS70451PWP	TVP5147M1PFPG4
SN104680PWPR	TPA0132PWP	TPS5300DAP	TPS70451PWPR	TVP5147M1PFPR
SN104921PWPR	TPA0132PWPR	TPS5300DAPG4	TPS70458PWP	TVP5147M1PFPRG4
SN104944BPHD	TPA0142PWP	TPS5300DAPR	TPS70458PWPG4	TVP5147PFP
SN104944BPHDG4	TPA0142PWPR	TPS5300DAPRG4	TPS70458PWPR	TVP5147PFPR
SN104945BPJD	TPA0152PWP	TPS5302DAP	TPS70458PWPRG4	TVP5154PNP
SN104945BPJDG4	TPA0152PWPR	TPS5302DAPR	TPS70502PWP	TVP5160M1PNP
SN104945BPJDR	TPA0162PWP	TPS54010PWP	TPS70502PWPR	TVP5160PNP
SN104945BPJDRG4	TPA0162PWPG4	TPS54010PWPG4	TPS70566PWP	TVP5160PNPG4
SN104991PWP	TPA0162PWPR	TPS54010PWPR	TPS70566PWPR	TVP5200RFP
SN104991PWPR	TPA0172PWP	TPS54010PWPRG4	TPS70702PWP	TVP6000CFEP
SN105022PWPR	TPA0172PWPG4	TPS54073PWP	TPS70702PWPR	TVP7000PZP
SN105025PWP	TPA0172PWPR	TPS54073PWPR	TPS70702PWPRG4	TVP7000PZPR
SN105039PHP	TPA0172PWPRG4	TPS54110PWP	TPS70745PWP	UCC2540PWP
SN10503PWPR	TPA0202PWP	TPS54110PWPG4	TPS70745PWPR	UCC2540PWPR
SN10503PWPG4	TPA0202PWPR	TPS54110PWPR	TPS70745PWPRG4	UCC2540PWPRG4
SN10503PWPR	TPA0212PWP	TPS54110PWPRG4	TPS70748PWP	UCC2541PWP
SN10503PWPRG4	TPA0212PWPR	TPS54112PWP	TPS70748PWPG4	UCC2541PWPR
SN105090PAP	TPA0212PWPRG4	TPS54112PWPR	TPS70748PWPR	UCC27221PWP
SN105106PWPR	TPA0222PWP	TPS54172PWP	TPS70748PWPRG4	UCC27221PWPG4
SN105115PWP	TPA0222PWPR	TPS54172PWPR	TPS70751PWP	UCC27221PWPR
SN105115PWPG4	TPA0232PWP	TPS54250PWP	TPS70751PWPG4	UCC27221PWPRG4
SN105115PWPR	TPA0232PWPR	TPS54250PWPR	TPS70751PWPR	UCC27222PWP
SN105115PWPRG4	TPA0232PWPRG4	TPS54310PWP	TPS70751PWPRG4	UCC27222PWPG4
SN105116PWP	TPA0242PWP	TPS54310PWPG4	TPS70758PWP	UCC27222PWPR
SN105116PWPG4	TPA0242PWPG4	TPS54310PWPR	TPS70758PWPR	UCC27222PWPRG4
SN105116PWPR	TPA0242PWPR	TPS54310PWPRG4	TPS70758PWPRG4	UCC27223PWP
SN105131PAP	TPA0242PWPRG4	TPS54311PWP	TPS70802PWP	UCC27223PWPG4
SN200505068PWPR	TPA0252PWP	TPS54311PWPR	TPS70802PWPR	UCC27223PWPR
SN200505068PWPRG4	TPA0252PWPR	TPS54311PWPRG4	TPS70802PWPRG4	UCC27223PWPRG4
SN2342PFP	TPA0312PWP	TPS54312PWP	TPS70845PWP	UCC27223PWR
SN2342PFPR	TPA0312PWPR	TPS54312PWPG4	TPS70845PWPR	UCC27228PWP
SN65HVD40PWP	TPA0312PWPRG4	TPS54312PWPR	TPS70845PWPRG4	UCC27228PWPR
SN65HVD40PWPR	TPA032D01DCA	TPS54312PWPRG4	TPS70848PWP	UCC2978PWP
SN768134PHP	TPA032D01DCAR	TPS54313PWP	TPS70848PWPG4	UCC2978PWPR
SN768134PHPG4	TPA032D02DCA	TPS54313PWPR	TPS70848PWPR	UCC2979PWP
SNP1X11APWPR	TPA032D02DCAG4	TPS54313PWPRG4	TPS70848PWPRG4	UCC2979PWPR
SNP1X21APWPR	TPA032D02DCAR	TPS54314PWP	TPS70851PWP	UCC3978PWP
SNP2X31APWPR	TPA032D03DCA	TPS54314PWPR	TPS70851PWPR	UCC3978PWPR
SNP2X41APWPR	TPA032D03DCAR	TPS54314PWPRG4	TPS70851PWPRG4	UCC3979PWP
SNP2X41APWPRG4	TPA032D04DCA	TPS54315PWP	TPS70858PWP	UCC3979PWPR
SNP2X61APWPR	TPA032D04DCAR	TPS54315PWPG4	TPS70858PWPR	UCC5630AMWPRG4
TAS3108DCP	TPA065H12DAP	TPS54315PWPR	TPS70858PWPRG4	UCD7100PWP
TAS3108DCPR	TPA2000D2PWP	TPS54315PWPRG4	TPS7150QPWP	UCD7100PWPG4
TAS3108IADCP	TPA2000D2PWPG4	TPS54316PWP	TPS7150QPWPR	UCD7100PWPR
TAS3108IADCPR	TPA2000D2PWPR	TPS54316PWPG4	TPS71H01QPWP	UCD7100PWPRG4
TAS3108IDCP	TPA2000D2PWPRG4	TPS54316PWPR	TPS71H01QPWPLE	UCD7201PWP
TAS3108IDCPR	TPA2000D4DAP	TPS54316PWPRG4	TPS71H01QPWPR	UCD7201PWPR
TAS5100ADAP	TPA2000D4DAPR	TPS54350PWP	TPS71H01QPWPRG4	UCD7201PWPRG4
TAS5100ADAPR	TPA2000D4DAPRG4	TPS54350PWPG4	TPS71H33QPWP	UCD8220PWP
TAS5100ADAPRG4	TPA2001D2PWP	TPS54350PWPR	TPS71H33QPWPLE	UCD8220PWPR
TAS5100A1DAP	TPA2001D2PWPR	TPS54350PWPRG4	TPS71H33QPWPR	UCD8620PWP
TAS5100A1DAPR	TPA2001D2PWPRG4	TPS54352PWP	TPS71H33QPWPRG4	UCD8620PWPR
TAS5100A1DAPRG4	TPA2008D2PWP	TPS54352PWPG4	TPS71H48QPWP	VRMFETSPWP
TAS5101DAP	TPA2008D2PWPG4	TPS54352PWPR	TPS71H48QPWPG4	VSP901RFP
TAS5101DAPR	TPA2008D2PWPR	TPS54352PWPRG4	TPS71H48QPWPR	X1888CU1PWP
TAS5101DAPRG4	TPA2008D2PWPRG4	TPS54353PWP	TPS71H48QPWPRG4	X1888CU20PWP
TAS51011DAP	TPA3000D1APWP	TPS54353PWPG4	TPS71H50QPWP	X1888CU26PWP

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TAS5101IDAPG4	TPA3000D1APWPG4	TPS54353PWPR	TPS71H50QPWPG4	X1888CU2PWP
TAS5101IDAPR	TPA3000D1APWPR	TPS54353PWPRG4	TPS73HD301PWP	X1888CU36PWP
TAS5101IDAPRG4	TPA3000D1PWP	TPS54354PWP	TPS73HD301PWPR	X1888CU3PWP
TAS5110ADAD	TPA3000D1PWPR	TPS54354PWPG4	TPS73HD318PWP	XTLC5922DAP
TAS5110ADADR	TPA3001D1PWD	TPS54354PWPR	TPS73HD318PWPG4	XTLC5922DAPR
TAS5110DAD	TPA3001D1PWDR	TPS54354PWPRG4	TPS73HD318PWPR	XTLC5923DAP
TAS5110DADR	TPA3001D1PWP	TPS54355PWP	TPS73HD318PWPRG4	XTLC5923DAPR
TAS5110DAP	TPA3001D1PWPG4	TPS54355PWPG4	TPS73HD325PWP	XTLC5940PWP
TAS5110DAPR	TPA3001D1PWPR	TPS54355PWPR	TPS73HD325PWPG4	XTLC5940PWPR
TAS5110DAPRG4	TPA3001D1PWPRG4	TPS54355PWPRG4	TPS73HD325PWPR	XTPS2340PFP

信頼性試験

信頼性試験結果

信頼性試験期間	開始	—	終了	2006 年 8 月 21 日
信頼性試験 — 試料構成詳細				
Qualification Device:	6960BEA0PAPG4	DAC5675IPHP	SN105108PJP	THS8083APZP
Die Rev/Size(mils) :	BE / 135x143	A / 125x139	F / 122x119	B / 224x225
Transistor Count:	--	10,000	--	--
Wafer Fab Site:	MIHO8	FFAB	HFAB	MIHO
Technology:	Bi-CMOS	RFBICMOS	Bi-CMOS	CMOS
Fab Process:	LBC6	RFBICMOS1	LBC4	33A12
Passivation:	6KHDP/14K PE-TEOS/10KACN	10KACN	--	--
Assembly Site:	PHI	TAI	TAI	TAI
Package / Pin Count:	PAP / 64	PHP / 48	PJP / 64	PZP / 100
Mold Compound:	Shi KMC3580HB	Shi KMC3580HB	Shi KMC3580HB	Shi KMC3580HB
Mount Compound:	Hen QMI529HT	Hen QMI529HT	Hen QMI529HT	Hen QMI529HT
Bond:	Au Ti-24.3um	TS -0.95mil Au	TS -1.3mils Au	TS -0.95mil Au
L/F Composition / Finish:	Cu / NiPdAu	Cu / NiPdAu	Cu / NiPdAu	Cu / NiPdAu
Moist Sens Level:	Level 3-260C	Level 3-260C	Level 3-260C	Level 3-260C
BOAC/COA Type:	BOAC	None	BOAC	None
Qualification Device:	TLK1501IRCP	TNETD7103AVFP	TPA3004D2PHP	
Die Rev/Size(mils):	B / 98x103	J / 131x131	A / 181x181	
Wafer Fab Site:	ANAM	DFAB	DFAB	
Technology:	CMOS	Bi-CMOS	LBC	
Fab Process:	C10	BICOM2	LBC3	
Passivation:	--	--	10KACN	
Assembly Site:	TAI	TAI	TAI	
Package / Pin Count:	RCP / 64	VFP / 32	PHP / 48	
Mold Compound:	Shi KMC3580HB	Shi KMC3580HB	Shi KMC3580HB	
Mount Compound:	Hen QMI529HT	Hen QMI529HT	Hen QMI529HT	
Bond:	TS -0.95mil Au	TS -0.95mil Au	TS -1.15 Au	
L/F Composition / Finish:	Cu / NiPdAu	Cu / NiPdAu	Cu / NiPdAu	
Moist Sens Level:	Level 3-260C	Level 2 -260C	Level 4-260C	
BOAC/COA Type:	None	None	BOAC	

信頼性試験結果					
6960BEA0PAPG4					
Test Type	Condition/Duration	Lot -1	Lot -2	Lot -3	
**Life Test, 125C	1000 Hours	116/0	116/0	116/0	
Die Shear	-	5/0			
Manufacturability	(per mfg. Site specification)	Pass	Pass	Pass	
**HAST 130C/85% RH	96 Hours	90/0	90/0	90/0	
**Autoclave 121C	240 Hours	77/0	77/0	77/0	
X-ray	(top side only)	Pass			
**Temp Cycle, -65/150C	2000 cycles	77/0	77/0	77/0	
**Thermal Shock -65/150C	1000 cycles	77/0	77/0	77/0	
**Storage Bake 170C	420 Hours	77/0	77/0	77/0	
Moisture Sensitivity	Level 3 - 260C, JEDEC		12/0		
Thermal Path Integrity, JEDEC	Level 3 - 260C		12/0		
Bond Strength	--	76/0			
** preconditioning sequence: JEDEC Level 3@260C					
DAC5675IPHP					
Test Type	Condition/Duration	Lot -1	Lot -2	Lot -3	
**Life Test, 155C	240 Hours	116/0	116/0	116/0	
Die Shear	-	5/0	5/0	5/0	
Manufacturability	(per mfg. Site specification)	Pass	Pass	Pass	
**Autoclave 121C	240 Hours	77/0	77/0	77/0	
X-ray	(top side only)	Pass	Pass	Pass	
**Temp Cycle, -65/150C	2000 cycles	77/0	77/0	77/0	
**Thermal Shock -65/150C	1000 cycles	77/0	77/0	77/0	
**Storage Bake 170C	420 Hours	77/0	77/0	77/0	
Moisture Sensitivity	Level 3 – 260C, JEDEC	12/0			
Thermal Path Integrity, JEDEC	Level 3 – 260C	12/0			
Bond Strength	--	22/0	22/0	22/0	
** preconditioning sequence: JEDEC Level 3@260C					
SN105108PJP					
Test Type	Condition/Duration	Lot -1	Lot -2	Lot -3	Lot -4
**Life Test, 155C	240 Hours	116/0	116/0		116/0
Manufacturability	(per mfg. Site specification)			Pass	
**HAST 130C/85% RH	96 Hours	77/0	77/0		77/0
**Autoclave 121C	240 Hours	77/0			75/0
**Autoclave 121C	96 Hours		77/0		
X-ray	(top side only)			Pass	
**Temp Cycle, -65/150C	1000 cycles	77/0	77/0		76/0
**Thermal Shock -65/150C	1000 cycles	77/0	77/0		76/0
**Storage Bake 170C	420 Hours	77/0	77/0		77/0
Moisture Sensitivity	Level 3 - 260C, JEDEC				12/0
Thermal Path Integrity, JEDEC	Level 3 - 260C				12/0
Bond Strength	--			22/0	
** preconditioning sequence: JEDEC Level 3@260C					
THS8083APZP					
Test Type	Condition/Duration	Lot -1	Lot -2	Lot -3	Lot -4
Die Shear	-	5/0	5/0	5/0	
Manufacturability	(per mfg. Site specification)	Pass	Pass	Pass	
**Autoclave 121C	240 Hours	77/0	77/0	77/0	
X-ray	(top side only)	Pass	Pass	Pass	
**Temp Cycle -65/150C	1000 cycles	77/0	77/0	77/0	
**Thermal Shock -65/150C	1000 cycles	77/0	77/0	77/0	
**Storage Bake 170C	420 Hours	77/0	77/0	77/0	
Moisture Sensitivity	Level 3 - 260C, HIR				11/0
Thermal Path Integrity, HIR	Level 3 - 260C				11/0
Bond Strength	--	22/0	22/0	22/0	
** preconditioning sequence: JEDEC Level 3@260C					

信頼性試験結果				
TLK1501IRCP				
Test Type	Condition/Duration	Lot -1	Lot -2	Lot -3
Die Shear	-	5/0	5/0	5/0
Manufacturability	(per mfg. Site specification)	Pass	Pass	Pass
**Autoclave 121C	240 Hours	77/0	77/0	76/0
X-ray	(top side only)	Pass	Pass	Pass
**Temp Cycle, -65/150C	2000 cycles	77/0	77/0	77/0
**Thermal Shock -65/150C	1000 cycles	77/0	77/0	77/0
**Storage Bake 170C	420 Hours	77/0	77/0	77/0
Moisture Sensitivity	Level 3 - 260C, JEDEC	12/0		
Thermal Path Integrity, JEDEC	Level 3 - 260C	12/0		
Bond Strength	-	22/0	22/0	22/0
** preconditioning sequence: JEDEC Level 3@260C				
TNETD7103AVFP				
Test Type	Condition/Duration	Lot -1	Lot -2	Lot -3
**Life Test, 140C	480 Hours	116/0	116/0	116/0
Die Shear	-	5/0	5/0	5/0
Manufacturability	(per mfg. Site specification)	Pass	Pass	Pass
**HAST 130C/85% RH	96 Hours	78/0	78/0	78/0
**Autoclave 121C	240 Hours	77/0	77/0	77/0
X-ray	(top side only)	Pass	Pass	Pass
**Temp Cycle, -65/150C	2000 cycles	77/0	77/0	77/0
**Thermal Shock -65/150C	1000 cycles	77/0	77/0	77/0
**Storage Bake 170C	420 Hours	77/0	77/0	77/0
Moisture Sensitivity	Level 3 - 260C, JEDEC			12/0
Bond Strength	--	22/0	22/0	22/0
** preconditioning sequence: JEDEC Level 2@260C				
TPA3004D2PHP				
Test Type	Condition/Duration	Lot -1	Lot -2	Lot -3
Die Shear	-	5/0	5/0	5/0
Manufacturability	(per mfg. Site specification)	Pass	Pass	Pass
**Autoclave 121C	240 Hours	77/0	77/0	77/0
X-ray	(top side only)	Pass	Pass	Pass
**Temp Cycle, -65/150C	2000 cycles	77/0	77/0	77/0
**Thermal Shock -65/150C	1000 cycles	77/0	76/0	77/0
**Storage Bake 170C	420 Hours	77/0	77/0	77/0
Moisture Sensitivity	Level 4 - 260C, JEDEC	12/0		
Thermal Path Integrity, JEDEC	Level 3 - 260C	12/0		
Bond Strength	--	22/0	22/0	22/0
** preconditioning sequence: JEDEC Level 4@260C				

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信頼性試験結果				
信頼性試験期間	開始	—	終了	2006 年 8 月 17 日
信頼性試験 - 試料構成詳細				
Qualification Device:	TAS5186ADDV	THS7530PWP	TPA1517DWP	
Die Rev/Size(mils) :	A / 113x274	A / 71x54	D / 129x109	
Wafer Fab Site:	DMOS5	FFAB	SFAB	
Technology:	Bi-CMOS	Bi-CMOS	Bi-POLAR	
Fab Process:	LBC5	BICOM3	J12	
Assembly Site:	TAI	TAI	TAI	
Package / Pin Count:	DDV / 44	PWP / 14	DWP / 20	
Mold Compound:	Shi KMC3580HB	Shi KMC3580HB	Shi KMC3580HB	
Mount Compound:	Hen QMI529HT	Hen QMI529HT	Hen QMI529HT	
Bond:	TS -1.98mil Au	TS -0.95mil Au	TS -1.98mil Au	
L/F Composition / Finish:	Cu / NiPdAu	Cu / NiPdAu	Cu / NiPdAu	
Moist Sens Level:	Level 3-260C	Level 2-260C	Level 2-260C	
BOAC/COA Type:	BOAC	None	None	
Qualification Device:	TPS54010PWP	TPS54672PWP	TPS61030PWP	
Die Rev/Size(mils) :	A / 84x250	A / 84x189	C / 84x79	
Wafer Fab Site:	DFAB	DFAB	FFAB	
Technology:	Bi-CMOS	Bi-CMOS	--	
Fab Process:	LBC4	LBC4	A12	
Assembly Site:	TAI	TAI	TAI	
Package / Pin Count:	PWP / 28	PWP / 28	PWP / 16	
Mold Compound:	Shi KMC3580HB	Shi KMC3580HB	Shi KMC3580HB	
Mount Compound:	Hen QMI529HT	Hen QMI529HT	Hen QMI529HT	
Bond:	TS -1.98mil Au	TS -1.98mil Au	TS -1.3mils Au	
L/F Composition / Finish:	Cu / NiPdAu	Cu / NiPdAu	Cu / NiPdAu	
Moist Sens Level:	Level 2-260C	Level 2-260C	Level 2-260C	
BOAC/COA Type:	BOAC	BOAC	BOAC	

信頼性試験結果				
TAS5186ADDV				
Test Type	Condition/Duration	Lot -1	Lot -2	Lot -3
Die Shear	-	5/0	5/0	5/0
Manufacturability	(per mfg. Site specification)	Pass	Pass	Pass
**Autoclave 121C	240 hours	77/0	77/0	77/0
X-ray	(top side only)	Pass	Pass	Pass
**Temp Cycle , -65/150C	1000 cycles	77/0	77/0	77/0
**Thermal Shock, -65/150C	1000 cycles	77/0	77/0	77/0
**Storage Bake, 170C	420 hours	77/0	77/0	77/0
Moisture Sensitivity	Level 3-260C JEDEC	12/0		
Thermal Path Integrity, JEDEC	Level 3-260C	12/0		
Bond Strength	76 ball bonds, min. 3 units	76/0	76/0	76/0
** preconditioning sequence: HIR Level 3@260C				
THS7530PWP				
Test Type	Condition/Duration	Lot -1		
**Life Test, 125C	1000 hours	116/0		
Manufacturability	(per mfg. Site specification)	Pass		
**HAST 130C/85%RH	96 hours	77/0		
**Autoclave 121C	240 hours	76/0		
**Temp Cycle , -65/150C	2000 cycles	77/0		
**Thermal Shock, -65/150C	1000 cycles	77/0		
**Storage Bake, 150C	1000 hours	77/0		
Moisture Sensitivity	Level 1-260C, JEDEC	12/0		
Thermal Path Integrity, JEDEC	Level 1-260C	12/0		
** preconditioning sequence: JEDEC Level 1@260C				

信頼性試験結果				
TPA1517DWP				
Test Type	Condition/Duration	Lot -1	Lot -2	Lot -3
**Life Test, 155C	240 hours	103/0	115/0	115/0
Die Shear	-	5/0	5/0	5/0
Manufacturability	(per mfg. Site specification)	Pass	Pass	Pass
**HAST 130C/85%RH	96 hours	77/0	77/0	77/0
**Autoclave 121C	240 hours	77/0	77/0	77/0
X-ray	(top side only)	Pass	Pass	Pass
**Temp Cycle , -65/150C	2000 cycles	77/0	77/0	76/0
**Thermal Shock, -65/150C	1000 cycles	77/0	77/0	77/0
**Storage Bake, 170C	420 hours	77/0	77/0	77/0
Moisture Sensitivity	Level 2-260C, JEDEC	12/0		
Thermal Path Integrity, JEDEC	Level 2-260C	12/0		
Bond Strength	--	40/0	40/0	40/0
** preconditioning sequence: HIR Level 2@260C				
TPS54010PWP				
Test Type	Condition/Duration	Lot -1		
Manufacturability	(per mfg. Site specification)	Pass		
**Autoclave 121C	240 hours	74/0		
**Temp Cycle , -65/150C	1000 cycles	76/0		
**Thermal Shock, -65/150C	1000 cycles	77/1 ⁽¹⁾		
Moisture Sensitivity	Level 1-260C, JEDEC	11/0		
Thermal Path Integrity, JEDEC	Level 1-260C	11/0		
** preconditioning sequence: JEDEC Level 1@260C				
⁽¹⁾ 1 fail at 1000cy -65/150C thermal shock. F/A showed Damaged PO. No related to Mount compound.				
TPS54672PWP				
Test Type	Condition/Duration	Lot -1	Lot -2	
**Life Test, 155C	240 hours	112/0		
Manufacturability	(per mfg. Site specification)		Pass	
**HAST 130C/85%RH	96 hours	56/0		
**Autoclave 121C	240 hours	75/0		
**Temp Cycle , -65/150C	2000 cycles	72/0		
**Thermal Shock, -65/150C	1000 cycles	72/0		
**Storage Bake, 150C	1000 hours	65/0		
Moisture Sensitivity	Level 1-260C, JEDEC	12/0		
Thermal Path Integrity, JEDEC	Level 1-260C	12/0		
** preconditioning sequence: JEDEC Level 1@260C				
TPS61030PWP				
Test Type	Condition/Duration	Lot -1		
**Life Test, 155C	240 hours	116/0		
Manufacturability	(per mfg. Site specification)	Pass		
**HAST 130C/85%RH	96 hours	77/0		
**Autoclave, 121C	240 hours	77/0		
**Temp Cycle , -65/150C	1000 cycles	77/0		
**Thermal Shock, -65/150C	1000 cycles	77/0		
**Storage Bake, 175C	500 hours	77/0		
Moisture Sensitivity	Level 1-260C, JEDEC	12/0		
Thermal Path Integrity, HIR	Level 1-260C	12/0		
Thermal Path Integrity, JEDEC	Level 1-260C	11/0		
** preconditioning sequence: JEDEC Level 1@260C				