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西新宿三井ビルディング

報告書番号：PCN#20090729003A
2009 年 9 月 9 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)

HVAL-SLL (汎用リニアロジック) 一部製品 組立サイト追加予定のご案内
(新規対象 347 製品、対象除外 402 製品の連絡)

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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	下記変更内容について新規対象 347 製品, 対象除外 402 製品の連絡になります。 HVAL-SLL(汎用リニアロジック) 一部製品 組立サイト追加 現行 : HANA 社(CHS, 中国) 変更後 : HANA 社(CHS, 中国), ASE-Weihai 社(AWH, 中国)			
対象製品	対象製品リスト参照			
変更時期	12 月中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：今回のお知らせは、下記変更について、新規対象347製品、対象除外402製品の一次予定の連絡になります。最終的なお知らせは、弊社内変更審査が終了次第、認定試験の結果を含め、本PCNの更新版の発行をもって連絡させていただきます。尚、変更品の出荷につきましては、本通知の90日以降に予定いたしております。

弊社 HVAL-SLL (汎用リニアロジック) 一部製品の組立サイトについて、現行 HANA社 (CHS, 中国) サイトにて製造しておりますが、供給能力確保の為に、これに加えて、ASE-Weihai社 (AWH, 中国) サイトでの製造を追加する予定です。尚、今回の変更で、製品についての互換性(寸法/公差), 動作特性, 品質, 信頼性への影響はありません。

変更内容
組立サイト

現行
HANA社 (CHS, 中国)

変更後
HANA社 (CHS, 中国)
ASE-Weihai社 (AWH, 中国)

理由：供給能力確保の為

対象製品リスト

対象製品名				
■：新規対象品 取消線(右詰)：対象除外品				
74AHC1G125DBVRE4	74LVC1GX04DBVTG4	LP2985A-50DBVTG4	SN74LVC1G132DCKT	SN74LVC2G04DBVRE4
74AHC1G125DBVRG4	74LVC1GX04DCKRE4	SN0710022DCKR	SN74LVC1G14DBV6	SN74LVC2G04DBVRG4
74AHC1G125DBVTE4	74LVC1GX04DCKRG4	SN74AHC1G00DBVRE4	SN74LVC1G14DBVRE4	SN74LVC2G04DBVT
74AHC1G125DBVTG4	74LVC1GX04DCKTE4	SN74AHC1G00DBVRG4	SN74LVC1G14DBVRG4	SN74LVC2G04DBVTE4
74AHC1G125DCKRE4	74LVC1GX04DCKTG4	SN74AHC1G00DBVT	SN74LVC1G14DBVT	SN74LVC2G04DBVTG4
74AHC1G125DCKRG4	74LVC2GU04DBVRE4	SN74AHC1G00DBVTE4	SN74LVC1G14DBVTE4	SN74LVC2G04DCKRE4
74AHC1G125DCKTE4	74LVC2GU04DBVRG4	SN74AHC1G00DBVTG4	SN74LVC1G14DBVTG4	SN74LVC2G04DCKRG4
74AHC1G125DCKTG4	74LVC2GU04DBVTE4	SN74AHC1G00DCKRE4	SN74LVC1G14DCKRE4	SN74LVC2G04DCKTE4
74AHC1G126DBVTE4	74LVC2GU04DBVTG4	SN74AHC1G00DCKRG4	SN74LVC1G14DCKRG4	SN74LVC2G04DCKTG4
74AHC1G126DBVTG4	74LVC2GU04DCKRE4	SN74AHC1G00DCKTE4	SN74LVC1G14DCKTE4	SN74LVC2G06DBVR
74AHC1G126DCKTE4	74LVC2GU04DCKRG4	SN74AHC1G00DCKTG4	SN74LVC1G14DCKTG4	SN74LVC2G06DBVRE4
74AHC1G126DCKTG4	74LVC2GU04DCKTE4	SN74AHC1G02DCKRE4	SN74LVC1G175DBVR	SN74LVC2G06DBVRG4
74AHC1GU04DBVRE4	74LVC2GU04DCKTG4	SN74AHC1G02DCKRG4	SN74LVC1G175DBVT	SN74LVC2G06DCKR
74AHC1GU04DBVRG4	HPAPS001DBZR	SN74AHC1G04DBVTE4	SN74LVC1G17DBVR	SN74LVC2G06DCKRE4
74AHC1GU04DBVTE4	LMV3211DBVRE4	SN74AHC1G04DCKRE4	SN74LVC1G17DBVRE4	SN74LVC2G06DCKRG4
74AHC1GU04DCKRE4	LMV3211DBVRG4	SN74AHC1G04DCKRG4	SN74LVC1G17DBVRG4	SN74LVC2G07DBVR
74AHC1GU04DCKRG4	LMV3211DBVTE4	SN74AHC1G04DCKTE4	SN74LVC1G17DBVT	SN74LVC2G07DBVRE4
74AHC1GU04DCKTE4	LMV3211DBVTG4	SN74AHC1G04DCKTG4	SN74LVC1G17DBVTE4	SN74LVC2G07DBVRG4
74AHC1GU04DCKTG4	LMV3211DCKRE4	SN74AHC1G08DBVRE4	SN74LVC1G17DBVTG4	SN74LVC2G07DCK6
74AHC1G02DBVRE4	LMV3211DCKRG4	SN74AHC1G08DBVRG4	SN74LVC1G17DCKRE4	SN74LVC2G07DCKRE4
74AHC1G02DBVRG4	LMV3211DCKTE4	SN74AHC1G08DBVT	SN74LVC1G17DCKRG4	SN74LVC2G07DCKRG4
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74AHC1G02DBVTE4	LMV3311DBVR	SN74AHC1G08DBVTG4	SN74LVC1G17DCKTE4	SN74LVC2G07DCKTE4
74AHC1G02DCKTE4	LMV3311DBVRE4	SN74AHC1G08DCKRE4	SN74LVC1G17DCKTG4	SN74LVC2G07DCKTG4
74AHC1G02DCKTG4	LMV3311DBVRG4	SN74AHC1G08DCKRG4	SN74LVC1G18DBVR	SN74LVC2G14DBVR
74AHC1G04DBVRE4	LMV3311DBVT	SN74AHC1G08DCKTE4	SN74LVC1G18DBVRE4	SN74LVC2G14DBVRE4
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74AHC1G04DBVTE4	LMV3311DBVTG4	SN74AHC1G125DBVT	SN74LVC1G18DCKR	SN74LVC2G14DBVT
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74AHC1G04DCKRE4	LMV3311DCKTE4	SN74AHC1G14DBVT	SN74LVC1G18DCKRG4	SN74LVC2G14DBVTG4
74AHC1G04DCKRG4	LMV3311DCKTG4	SN74AHC1G14DBVTE4	SN74LVC1G19DBVR	SN74LVC2G14DCKRE4
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74AHC1G04DCKTG4	LMV9311DBVRE4	SN74AHC1G14DCKRE4	SN74LVC1G19DBVRG4	SN74LVC2G14DCKT
74AHC1G08DBVRE4	LMV9311DBVRG4	SN74AHC1G14DCKTE4	SN74LVC1G19DCKRE4	SN74LVC2G14DCKTE4
74AHC1G08DBVRG4	LMV9311DCKR	SN74AHC1G14DCKTG4	SN74LVC1G19DCKRG4	SN74LVC2G14DCKTG4
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74AHC1G08DBVTG4	LMV9311DCKRG4	SN74AHC1G32DBVRG4	SN74LVC1G240DBVT	SN74LVC2G17DCKRE4
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74AHC1G08DCKRG4	LP2981-28DBVRE4	SN74AHC1G32DBVTE4	SN74LVC1G240DCKT	SN74LVC2G17DCKTE4
74AHC1G08DCKTE4	LP2981-28DBVRG4	SN74AHC1G32DBVTG4	SN74LVC1G27DBVR	SN74LVC2G17DCKTG4
74AHC1G08DCKTG4	LP2981-28DBVT	SN74AHC1G32DCKRE4	SN74LVC1G27DBVRE4	SN74LVC2G34DBVR
74AHC1G125DBVRE4	LP2981-28DBVTE4	SN74AHC1G32DCKRG4	SN74LVC1G27DBVRG4	SN74LVC2G34DBVRE4

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74AHCT1G125DBVTG4	LP2981-29DBVRG4	SN74AHC1G86DBVT	SN74LVC1G27DCKRG4	SN74LVC2GU04DBVT
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74AHCT1G125DCKTE4	LP2981-30DBVR	SN74AHC1GU04DBV6	SN74LVC1G3208DBVT	TL3431DBVRG4
74AHCT1G125DCKTG4	LP2981-30DBVRE4	SN74AHCT1G02DBVR	SN74LVC1G3208DCKR	TL3431DBVT
74AHCT1G126DBVTE4	LP2981-30DBVRG4	SN74AHCT1G02DBVT	SN74LVC1G32DBVRE4	TL3431DBVTE4
74AHCT1G126DBVTG4	LP2981-30DBVT	SN74AHCT1G04DBVT	SN74LVC1G32DBVRG4	TL3431DBVTG4
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74AHCT1G126DCKRG4	LP2981-30DBVTG4	SN74AHCT1G08DBVT	SN74LVC1G32DBVTG4	TL431AQDBZRG4
74AHCT1G126DCKTE4	LP2981-33DBVR	SN74AHCT1G08DCKT	SN74LVC1G32DCKRE4	TL431BCDBZR
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74AHCT1G14DBVRG4	LP2981-33DBVT	SN74AHCT1G126DCKT	SN74LVC1G32DCKTG4	TL431B1DBZRG4
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74AHCT1G14DCKRE4	LP2981-50DBVR	SN74AHCT1G14DCKRG4	SN74LVC1G34DBVR	TL4311DBZR
74AHCT1G14DCKTE4	LP2981-50DBVRG4	SN74AHCT1G14DCKT	SN74LVC1G34DBVRE4	TL4311DBZRG4
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74AHCT1G32DBVRG4	LP2981A-28DBVR	SN74AHCT1G32DCKT	SN74LVC1G34DBVTE4	TL432ACDBZR
74AHCT1G32DBVTE4	LP2981A-28DBVRE4	SN74AHCT1G86DBV6	SN74LVC1G34DBVTG4	TL432ACDBZRG4
74AHCT1G32DBVTG4	LP2981A-28DBVRG4	SN74AHCT1G86DBVR	SN74LVC1G373DBVR	TL432A1DBZR
74AHCT1G32DCKRE4	LP2981A-28DBVT	SN74AHCT1G86DBVT	SN74LVC1G374DBVR	TL432A1DBZRG4
74AHCT1G32DCKRG4	LP2981A-28DBVTE4	SN74AHCT1G86DCKT	SN74LVC1G374DCKR	TL432AQDBZR
74AHCT1G32DCKTE4	LP2981A-28DBVTG4	SN74AUC1G08DBVRE4	SN74LVC1G386DBVR	TL432AQDBZRG4
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74AHCT1G86DCKRE4	LP2981A-30DBVRE4	SN74AUC1G17DBVRG4	SN74LVC1G38DBVTE4	TL432BQDBZRG4
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74AHCT1G86DCKTE4	LP2981A-30DBVT	SN74AUC1G17DCKRG4	SN74LVC1G57DBVR	TL432CDBZRG4
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74CBTLV1G125DBVRG4	LP2981A-33DBVRG4	SN74AUP1G14DCKTG4	SN74LVC1G57DCKRE4	TLV2361CDBVRE4
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74LVC1G0832DBVRG4	LP2981A-33DBVTG4	SN74AUP1G17DBVRG4	SN74LVC1G58DBVRE4	TLV2361CDBVTG4
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74LVC1G0832DCKRE4	LP2981A-50DBVT	SN74AUP1G17DBVTG4	SN74LVC1G58DCKRE4	TLV23611DBVRE4
74LVC1G0832DCKRG4	LP2981A-50DBVTG4	SN74AUP1G17DCKRE4	SN74LVC1G58DCKRG4	TLV23611DBVRG4
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74LVC1G125DBVRE4	LP2985-18DBVTE4	SN74AUP1G17DCKT	SN74LVC1G66DBVRE4	TLV23611DBVTE4
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74LVC1G125DBVTE4	LP2985-25DBVT	SN74AUP1G17DCKTG4	SN74LVC1G66DBVT	TLV431A1DBZR
74LVC1G125DBVTG4	LP2985-25DBVTG4	SN74LVC1G00DBVR	SN74LVC1G66DBVTE4	TLV431A1DBZRG4
74LVC1G125DCKRE4	LP2985-28DBVR	SN74LVC1G00DBVRE4	SN74LVC1G66DBVTG4	TLV431BCDBZR
74LVC1G125DCKRG4	LP2985-28DBVRE4	SN74LVC1G00DBVRG4	SN74LVC1G79DBVR	TLV431BCDBZRG4
74LVC1G125DCKTE4	LP2985-28DBVRG4	SN74LVC1G00DBVT	SN74LVC1G79DBVRE4	TLV431B1DBZR
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74LVC1G132DBVRE4	LP2985-29DBVT	SN74LVC1G02DCKTG4	SN74LVC1G80DBVRE4	TLV4311DBZR
74LVC1G132DBVRG4	LP2985-29DBVTG4	SN74LVC1G04DBVRE4	SN74LVC1G80DBVRG4	TLV4311DBZRG4
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74LVC1G175DBVTG4	LP2985-33DBVT	SN74LVC1G04DCKTG4	SN74LVC1G86DBVTE4	TLVH431BCDBZRG4
74LVC1G240DBVRE4	LP2985-33DBVTE4	SN74LVC1G06DBVR	SN74LVC1G86DBVTG4	TLVH431BQDBZT
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74LVC1G240DBVTG4	LP2985-50DBVRG4	SN74LVC1G06DBVT	SN74LVC1G86DCKRG4	TLVH431CDBZRG4
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74LVC1G3208DBVRG4	LP2985A-18DBVTG4	SN74LVC1G07DBVRE4	SN74LVC1G07DCKRG4	TLVH432AIDBZRG4
74LVC1G3208DBVTE4	LP2985A-25DBVR	SN74LVC1G07DBVRG4	SN74LVC1G07DCKT	TLVH432AQDBZR
74LVC1G3208DBVTG4	LP2985A-25DBVRG4	SN74LVC1G07DBVT	SN74LVC1G07DCKTE4	TLVH432AQDBZRG4
74LVC1G3208DCKRE4	LP2985A-25DBVT	SN74LVC1G07DBVTE4	SN74LVC1G07DCKTG4	TLVH432BCDBZR
74LVC1G3208DCKRG4	LP2985A-25DBVTG4	SN74LVC1G07DBVTG4	SN74LVC1G98DBVR	TLVH432BCDBZRG4
74LVC1G332DBVRE4	LP2985A-28DBVR	SN74LVC1G0832DBVR	SN74LVC1G98DBVRE4	TLVH432BIDBZR
74LVC1G332DBVRG4	LP2985A-28DBVRE4	SN74LVC1G0832DBVT	SN74LVC1G98DBVRG4	TLVH432BIDBZRG4
74LVC1G332DCKRE4	LP2985A-28DBVRG4	SN74LVC1G0832DCKR	SN74LVC1G98DBVT	TLVH432BQDBZR
74LVC1G373DBVRE4	LP2985A-28DBVT	SN74LVC1G08DCKRG4	SN74LVC1G98DBVTE4	TLVH432BQDBZRG4
74LVC1G373DBVRG4	LP2985A-28DBVTE4	SN74LVC1G08DCKR-LI	SN74LVC1G98DBVTG4	TLVH432CDBZR
74LVC1G374DBVRE4	LP2985A-28DBVTG4	SN74LVC1G08DCKTG4	SN74LVC1G98DCKT	TLVH432CDBZRG4
74LVC1G374DBVRG4	LP2985A-29DBVR	SN74LVC1G10DBVR	SN74LVC1G98DCKTE4	TLVH432IDBZR
74LVC1G374DCKRE4	LP2985A-29DBVRG4	SN74LVC1G10DBVRE4	SN74LVC1G98DCKTG4	TLVH432IDBZRG4
74LVC1G374DCKRG4	LP2985A-29DBVT	SN74LVC1G10DCKR	SN74LVC1GU04DBVT	TLVH432QDBZR
74LVC1G386DBVRE4	LP2985A-29DBVTG4	SN74LVC1G10DCKRE4	SN74LVC1GU04DCK6	TLVH432QDBZRG4
74LVC1G386DBVRG4	LP2985A-30DBVR	SN74LVC1G10DCKRG4	SN74LVC1GU04DCKT	TS5A3159ADCKR
74LVC1G386DCKRE4	LP2985A-30DBVRG4	SN74LVC1G11DBVR	SN74LVC1GX04DBVR	TS5A3159ADCKRE4
74LVC1G386DCKRG4	LP2985A-30DBVT	SN74LVC1G11DBVRE4	SN74LVC1GX04DBVT	TS5A3159ADCKRG4
74LVC1GU04DBVTE4	LP2985A-30DBVTG4	SN74LVC1G11DBVRG4	SN74LVC1GX04DCKR	TS5A3159ADCKT
74LVC1GU04DBVTG4	LP2985A-33DBVRE4	SN74LVC1G11DCKR	SN74LVC1GX04DCKT	TS5A3159ADCKTE4
74LVC1GU04DCKRE4	LP2985A-33DBVRG4	SN74LVC1G11DCKRE4	SN74LVC1T45DBVT	TS5A3159ADCKTG4
74LVC1GU04DCKRG4	LP2985A-33DBVT	SN74LVC1G11DCKRG4	SN74LVC1T45DBVTE4	TS5A3159DCKRE4
74LVC1GU04DCKTE4	LP2985A-33DBVTE4	SN74LVC1G132DBVR	SN74LVC1T45DBVTG4	TS5A3159DCKRG4
74LVC1GU04DCKTG4	LP2985A-33DBVTG4	SN74LVC1G132DBVT	SN74LVC1T45DCKT	TS5A3159DCKT
74LVC1GX04DBVRE4	LP2985A-50DBVR	SN74LVC1G132DBVTE4	SN74LVC1T45DCKTE4	TS5A3159DCKTE4
74LVC1GX04DBVRG4	LP2985A-50DBVRG4	SN74LVC1G132DBVTG4	SN74LVC1T45DCKTG4	TS5A3159DCKTG4
74LVC1GX04DBVTE4	LP2985A-50DBVT	SN74LVC1G132DCKR	SN74LVC2G04DBVR	

製品表示

今回の変更に伴い、出荷ラベルに記載の原産地(ラベル箇所:22L、23L)が下記のようになる予定です。

	組立サイト	組立サイトコード(22L)	組立国コード(23L)
現行	Hana	CHS	CHN
追加認定	ASE-Weihai	AWH	CHN



図1 出荷ラベルの例

信頼性試験

信頼性試験計画

信頼性試験 - 試料構成詳細

Qual Device:	LMV721IDCKR	Die Protective Coating:	10KACN
Assembly Site:	ASE	Package/Code/Pins:	SC70/DCK/5
Mount Compound:	SID# A-03	Mold Compound:	SID# R-07
Bond Wire:	1.0 Mil Dia. Au	Lead Finish, Base:	NiPdAu, Cu
MSL:	JEDEC, LEVEL1-260C	-	-

信頼性試験計画

Reliability Test	Condition / Duration	Sample Size		
		Lot#1	Lot#2	Lot#3
**Steady-state Life Test	150C, 300 Hrs	77	77	77
**Biased HAST	130C/85%RH, 96 Hrs	77	77	77
**Autoclave	121C, 96 Hrs	77	77	77
**T/C	-65C/150C, 1000 Cyc	78	78	78
High Temp. Storage Bake	150C, 1000 Hrs	77	77	77
Solderability	Steam age, 8 hours	22	22	22
Lead Pull	-	22	22	22
Lead Fatigue	-	22	22	22
Lead Finish Adhesion	-	15	15	15
Physical Dimensions	-	5	5	5
Bond Strength	76 ball bonds, min. 3 units	76	76	76
Die Shear	-	10	10	10
X-Ray	-	5	5	5
Moisture Sensitivity	-	12	12	12
Electrical Char.	Side by Side	per spec	per spec	per spec
Manufacturability (Assembly)	per mfg. Site specification	per spec	per spec	per spec

Notes: ** tests must be preconditioned per the appropriate sequence, JEDEC Level-1/260C

信頼性試験計画 信頼性試験 - 試料構成詳細				
Qual Device:	SN74LVC2G14DCKR	Die Protective Coating:	10KACN	
Assembly Site:	ASE	Package/Code/Pins:	SC70/DCK/6	
Mount Compound:	SID# A-03	Mold Compound:	SID# R-07	
Bond Wire:	0.8 Mil Dia. Au	Lead Finish, Base:	NiPdAu, Cu	
MSL:	JEDEC,LEVEL1-260C	-	-	
信頼性試験計画				
Reliability Test	Condition / Duration	Sample Size		
		Lot#1	Lot#2	Lot#3
Electrical Char.	Side by Side	per spec	per spec	per spec
**High Temp. Storage Bake	150C, 1000 Hrs	77	77	77
**Autoclave	121C, 96 Hrs	77	77	77
**T/C	-65C/150C,1000 Cyc	78	78	78
Bond Strength	76 ball bonds, min. 3 units	76	76	76
Die Shear	-	10	10	10
X-Ray	-	5	5	5
Moisture Sensitivity	-	12	12	12
Manufacturability (Assembly)	per mfg. Site specification	per spec	-	-
Notes: ** tests must be preconditioned per the appropriate sequence, JEDEC Level-1/260C				

信頼性試験計画 信頼性試験 - 試料構成詳細				
Qual Device:	SN74LVC1G14DBVR	Die Protective Coating:	10KACN	
Assembly Site:	ASE	Package/Code/Pins:	SOT/DBV/5	
Mount Compound:	SID# A-03	Mold Compound:	SID# R-07	
Bond Wire:	0.8 Dia. Au	Lead Finish, Base:	NiPdAu, Cu	
MSL:	JEDEC,LEVEL1-260C	-	-	
信頼性試験計画				
Reliability Test	Condition / Duration	Sample Size		
		Lot#1	Lot#2	Lot#3
Electrical Char.	Side by Side	per spec	per spec	per spec
High Temp. Storage Bake	150C, 1000 Hrs	77	77	77
**Autoclave	121C, 96 Hrs	77	77	77
**T/C	-65C/150C,1000 Cyc	78	78	78
Bond Strength	76 ball bonds, min. 3 units	76	76	76
Die Shear	-	10	10	10
Manufacturability (Assembly)	per mfg. Site specification	per spec	per spec	per spec
X-Ray	-	5	5	5
Moisture Sensitivity	-	12	12	12
Notes: ** tests must be preconditioned per the appropriate sequence, JEDEC Level-1/260C				

信頼性試験計画 信頼性試験 - 試料構成詳細				
Qual Device:	TL431CDBVR	Die Protective Coating:	10KACN	
Assembly Site:	ASE	Package/Code/Pins:	SOT/DBV/5	
Mount Compound:	SID# A-03	Mold Compound:	SID# R-07	
Bond Wire:	1.0 Mil Dia. Au	Lead Finish, Base:	NiPdAu, Cu	
MSL:	JEDEC,LEVEL1-260C	-	-	
信頼性試験計画				
Reliability Test	Condition / Duration	Sample Size		
		Lot#1	Lot#2	Lot#3
**Steady-state Life Test	150C, 300 Hrs	77/0	77/0	77/0
Electrical Char.	Side by Side	per spec	per spec	per spec
**High Temp. Storage Bake	150C, 1000 Hrs	77	77	77
**Biased HAST	130C/85%RH, 96 Hrs	77	77	77
**Autoclave	121C, 96 Hrs	77	77	77
**T/C	-65C/150C,1000 Cyc	78	78	78
Solderability	Steam age, 8 hours	22	22	22
Lead Pull	-	22	22	22
Lead Fatigue	-	22	22	22
Lead Finish Adhesion	-	15	15	15
Physical Dimensions	-	5	5	5
Flammability	-	5	5	5
Bond Strength	76 ball bonds, min. 3 units	76	76	76
Die Shear	-	10	10	10
X-Ray	-	5	5	5
Moisture Sensitivity	-	12	12	12
Manufacturability (Assembly)	per mfg. Site specification	per spec	per spec	per spec
Notes: ** tests must be preconditioned per the appropriate sequence, JEDEC Level-1/260C				

信頼性試験計画 信頼性試験 - 試料構成詳細				
Qual Device:	TLV431BIDBZR	Die Protective Coating:	10KACN	
Assembly Site:	ASE	Package/Code/Pins:	SOT/DBZ/3	
Mount Compound:	SID# A-03	Mold Compound:	SID# R-07	
Bond Wire:	1.0 Mil Dia. Au	Lead Finish, Base:	NiPdAu, Cu	
MSL:	JEDEC,LEVEL1-260C	-	-	
信頼性試験計画				
Reliability Test	Condition / Duration	Sample Size		
		Lot#1	Lot#2	Lot#3
**Steady-state Life Test	150C, 300 Hrs	77	77	77
Electrical Char.	Side by Side	per spec	per spec	per spec
**High Temp. Storage Bake	150C, 1000 Hrs	77	77	77
**Biased HAST	130C/85%RH, 96 Hrs	77	77	77
**Autoclave	121C, 96 Hrs	77	77	77
**T/C	-65C/150C,1000 Cyc	78	78	78
Solderability	Steam age, 8 hours	22	22	22
Lead Pull	-	22	22	22
Lead Fatigue	-	22	22	22
Lead Finish Adhesion	-	15	15	15
Physical Dimensions	-	5	5	5
Flammability	-	5	5	5
Bond Strength	76 ball bonds, min. 3 units	76	76	76
Die Shear	-	10	10	10
X-Ray	-	5	5	5
Moisture Sensitivity	-	12	12	12
Manufacturability (Assembly)	per mfg. Site specification	per spec	per spec	per spec
Notes: ** tests must be preconditioned per the appropriate sequence, JEDEC Level-1/260C				