



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#20110919000

2011 年 11 月 22 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 カスタマドキュメント
マネージャ 牧 達郎 (牧)

PDIP パッケージ 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きます。

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	PDIP パッケージ 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	2012 年 3 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 : PDIP パッケージ 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。ワイヤ径の変更については下記を参照下さい。尚、今回の変更で、製品についての互換性(寸法/公差)、外観、品質、信頼性への影響はありません。

変更内容	現行	変更後
ボンディングワイア	Au(金)線	Cu(銅)線

現行 Au(金)線 ワイヤ径	変更後 Cu(銅)線 ワイヤ径
0.8, 0.96, 1.15 (Mil)	0.96 (Mil)

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

対象製品リスト

対象製品名				
AM26LS31CN	RC4558PE4	SN74LS161AN	TL051ACP	TLE2021A1PE4
AM26LS31CN-E	RC4559P	SN74LS161ANE4	TL051ACPE4	TLE2021CP
AM26LS31CNE4	RC4559PE4	SN74LS163AN	TL051CP	TLE2021CPE4
AM26LS32ACN	RC4560IP	SN74LS163ANE4	TL051CPE4	TLE2021IP
AM26LS32ACNE4	RC4560IPE4	SN74LS164N	TL052ACP	TLE2021IPE4
AM26LS32A1N	RC4580IP	SN74LS164NE4	TL052ACPE4	TLE2022ACP
AM26LS32A1NE4	RC4580IPE4	SN74LS165AN	TL052A1P	TLE2022ACPE4
AM26LS33ACN	SA5532AP	SN74LS165ANE4	TL052A1PE4	TLE2022A1P
AM26LS33ACNE4	SA5532APE4	SN74LS166AN	TL052CP	TLE2022A1PE4
AM26S10CN	SA5532P	SN74LS166ANE4	TL052CPE4	TLE2022CP
AM26S10CNE4	SA5532PE4	SN74LS169BN	TL052IP	TLE2022CPE4
CD14538BE	SA5534AP	SN74LS169BNE4	TL052IPE4	TLE2022IP
CD14538BEE4	SA5534APE4	SN74LS173AN	TL054ACN	TLE2022IPE4
CD4001BE	SA5534P	SN74LS173ANE4	TL054ACNE4	TLE2024ACN
CD4001BEE4	SA5534PE4	SN74LS174N	TL054CN	TLE2024ACNE4
CD4001UBE	SA555P	SN74LS174NE4	TL054CNE4	TLE2024A1N
CD4001UBEE4	SA555PE4	SN74LS175N	TL0541N	TLE2024A1NE4
CD4002BE	SA556N	SN74LS175NE4	TL0541NE4	TLE2024CN
CD4002BEE4	SA556NE4	SN74LS191N	TL061ACP	TLE2024CNE4

日本テキサス・インスツルメンツ株式会社

CD4007UBE	SG2524N	SN74LS191NE4	TL061ACPE4	TLE20241N
CD4007UBEE4	SG2524NE4	SN74LS193N	TL061BCP	TLE20241NE4
CD4009UBE	SG3524N	SN74LS193NE4	TL061BCPE4	TLE2061ACP
CD4009UBEE4	SG3524NE4	SN74LS194AN	TL061CP	TLE2061ACPE4
CD40102BE	SN200606005N	SN74LS194ANE4	TL061CPE4	TLE2061AIP
CD40102BEE4	SN200606019N	SN74LS19AN	TL061IP	TLE2061AIPPE4
CD40103BE	SN200606020P	SN74LS19ANE4	TL061IPE4	TLE2061CP
CD40103BEE4	SN200606021P	SN74LS20N	TL062ACP	TLE2061CPE4
CD40105BE	SN65176BP	SN74LS20NE4	TL062ACPE4	TLE2061IP
CD40105BEE4	SN65176BPE4	SN74LS21N	TL062BCP	TLE2061IPE4
CD40106BE	SN65240P	SN74LS21NE4	TL062BCPE4	TLE2062CP
CD40106BEE4	SN65240PE4	SN74LS221N	TL062CP	TLE2062CPE4
CD40107BE	SN65HVD20P	SN74LS221NE4	TL062CPE4	TLE2062IP
CD40107BEE4	SN65HVD20PE4	SN74LS243N	TL062IP	TLE2062IPE4
CD40109BE	SN65HVD21P	SN74LS243NE4	TL062IPE4	TLE2064ACN
CD40109BEE4	SN65HVD21PE4	SN74LS247N	TL064ACN	TLE2064ACNE4
CD4010BE	SN65HVD24P	SN74LS247NE4	TL064ACNE4	TLE2064CN
CD4010BEE4	SN65HVD24PE4	SN74LS251N	TL064BCN	TLE2064CNE4
CD40110BE	SN65HVD3082EP	SN74LS251NE4	TL064BCNE4	TLE2064IN
CD40110BEE4	SN65HVD3082EPE4	SN74LS253N	TL064CN	TLE2064INE4
CD40117BE	SN65HVD485EP	SN74LS253NE4	TL064CNE4	TLE2071ACP
CD40117BEE4	SN65HVD485EPE4	SN74LS257BN	TL064IN	TLE2071ACPE4
CD4011BE	SN65LBC172AN	SN74LS257BNE4	TL064INE4	TLE2071AIP
CD4011BEE4	SN65LBC172ANE4	SN74LS258BN	TL071ACP	TLE2071AIPPE4
CD4011UBE	SN65LBC172N	SN74LS258BNE4	TL071ACPE4	TLE2071CP
CD4011UBEE4	SN65LBC172NE4	SN74LS259BN	TL071BCP	TLE2071CPE4
CD4012BE	SN65LBC173AN	SN74LS259BNE4	TL071BCPE4	TLE2071IP
CD4012BEE4	SN65LBC173ANE4	SN74LS266N	TL071CP	TLE2071IPE4
CD4013BE	SN65LBC173N	SN74LS266NE4	TL071CPE4	TLE2072ACP
CD4013BEE4	SN65LBC173NE4	SN74LS26N	TL071IP	TLE2072ACPE4
CD40147BE	SN65LBC174N	SN74LS26NE4	TL071IPE4	TLE2072AIP
CD40147BEE4	SN65LBC174NE4	SN74LS279AN	TL072ACP	TLE2072AIPPE4
CD4014BE	SN65LBC175AN	SN74LS279ANE4	TL072ACPE4	TLE2072CP
CD4014BEE4	SN65LBC175ANE4	SN74LS27N	TL072BCP	TLE2072CPE4
CD4015BE	SN65LBC175N	SN74LS27NE4	TL072BCPE4	TLE2072IP
CD4015BEE4	SN65LBC175NE4	SN74LS280N	TL072CP	TLE2072IPE4
CD40161BE	SN65LBC176AP	SN74LS280NE4	TL072CPE4	TLE2074ACN
CD40161BEE4	SN65LBC176APE4	SN74LS283N	TL072IP	TLE2074ACNE4
CD4016BE	SN65LBC176P	SN74LS283NE4	TL072IPE4	TLE2074AIN
CD4016BEE4	SN65LBC176PE4	SN74LS293N	TL074ACN	TLE2074AINE4
CD40174BE	SN65LBC179AP	SN74LS293NE4	TL074ACNE4	TLE2074CN
CD40174BEE4	SN65LBC179APE4	SN74LS298N	TL074BCN	TLE2074CNE4
CD40175BE	SN65LBC179P	SN74LS298NE4	TL074BCNE4	TLE2074IN
CD40175BEE4	SN65LBC179PE4	SN74LS30N	TL074CN	TLE2074INE4
CD4017BE	SN65LBC180AN	SN74LS30NE4	TL074CNE4	TLE2081ACP
CD4017BEE4	SN65LBC180ANE4	SN74LS31N	TL074IN	TLE2081ACPE4
CD4018BE	SN65LBC180N	SN74LS31NE4	TL074INE4	TLE2081AIP
CD4018BEE4	SN65LBC180NE4	SN74LS32N	TL081ACP	TLE2081AIPPE4
CD40192BE	SN7400N	SN74LS32NE4	TL081ACPE4	TLE2081CP
CD40192BEE4	SN7400NE4	SN74LS33N	TL081BCP	TLE2081CPE4
CD40193BE	SN7402N	SN74LS33NE4	TL081BCPE4	TLE2081IP
CD40193BEE4	SN7402NE4	SN74LS348N	TL081CP	TLE2081IPE4
CD40194BE	SN7404N	SN74LS348NE4	TL081CPE4	TLE2082ACP
CD40194BEE4	SN7404NE4	SN74LS365AN	TL081IP	TLE2082ACPE4
CD4019BE	SN7405N	SN74LS365ANE4	TL081IPE4	TLE2082AIP
CD4019BEE4	SN7405NE4	SN74LS367AN	TL082ACP	TLE2082AIPPE4

日本テキサス・インスツルメンツ株式会社

CD4020BE	SN7406N	SN74LS367ANE4	TL082ACPE4	TLE2082CP
CD4020BEE4	SN7406NE4	SN74LS368AN	TL082BCP	TLE2082CPE4
CD4021BE	SN7407N	SN74LS368ANE4	TL082BCPE4	TLE2082IP
CD4021BEE4	SN7407NE4	SN74LS375N	TL082CP	TLE2082IPE4
CD4022BE	SN74121N	SN74LS375NE4	TL082CPE4	TLE2084ACN
CD4022BEE4	SN74121NE4	SN74LS378N	TL082IP	TLE2084ACNE4
CD4023BE	SN74128N	SN74LS378NE4	TL082IPE4	TLE2084CN
CD4023BEE4	SN74128NE4	SN74LS37N	TL084ACN	TLE2084CNE4
CD4024BE	SN74145N	SN74LS37NE4	TL084ACNE4	TLE2141ACP
CD4024BEE4	SN74145NE4	SN74LS38N	TL084BCN	TLE2141ACPE4
CD40257BE	SN7414N	SN74LS38NE4	TL084BCNE4	TLE2141AIP
CD40257BEE4	SN7414NE4	SN74LS390N	TL084CN	TLE2141A IPE4
CD4025BE	SN7416N	SN74LS390NE4	TL084CNE4	TLE2141CP
CD4025BEE4	SN7416NE4	SN74LS393N	TL084IN	TLE2141CPE4
CD4026BE	SN7417N	SN74LS393NE4	TL084INE4	TLE2141IP
CD4026BEE4	SN7417NE4	SN74LS399N	TL092CP	TLE2141IPE4
CD4027BE	SN74221N	SN74LS399NE4	TL092CPE4	TLE2142CP
CD4027BEE4	SN74221NE4	SN74LS423N	TL1451ACN	TLE2142CPE4
CD4028BE	SN7425N	SN74LS423NE4	TL1451ACNE4	TLE2142IP
CD4028BEE4	SN7425NE4	SN74LS42N	TL1451CN	TLE2142IPE4
CD4029BE	SN7432N	SN74LS42NE4	TL1451CNE4	TLE2144ACN
CD4029BEE4	SN7432NE4	SN74LS47N	TL1453CN	TLE2144ACNE4
CD4030BE	SN7438N	SN74LS47NE4	TL1453CNE4	TLE2144AIN
CD4030BEE4	SN7438NE4	SN74LS51N	TL145406N	TLE2144AINE4
CD4031BE	SN7445N	SN74LS51NE4	TL145406NE4	TLE2144CN
CD4031BEE4	SN7445NE4	SN74LS590N	TL1454ACN	TLE2144CNE4
CD4033BE	SN7447AN	SN74LS590NE4	TL1454ACNE4	TLE2144IN
CD4033BEE4	SN7447ANE4	SN74LS592N	TL1494CN	TLE2144INE4
CD4035BE	SN7497N	SN74LS592NE4	TL1494CNE4	TLE2426CP
CD4035BEE4	SN7497NE4	SN74LS594N	TL2575-05IN	TLE2426CPE4
CD4040BE	SN74ALS00AN	SN74LS594NE4	TL2575-05INE4	TLE2426IP
CD4040BEE4	SN74ALS00ANE4	SN74LS595N	TL2575-12IN	TLE2426IPE4
CD4041UBE	SN74ALS02AN	SN74LS595NE4	TL2575-12INE4	TLV2241IP
CD4041UBEE4	SN74ALS02ANE4	SN74LS596N	TL2575-15IN	TLV2241IPE4
CD4042BE	SN74ALS03BN	SN74LS596NE4	TL2575-15INE4	TLV2242IP
CD4042BEE4	SN74ALS03BNE4	SN74LS597N	TL2575-33IN	TLV2242IPE4
CD4043BE	SN74ALS04BN	SN74LS597NE4	TL2575-33INE4	TLV2244IN
CD4043BEE4	SN74ALS04BNE4	SN74LS624N	TL2575-ADJIN	TLV2244INE4
CD4044BE	SN74ALS05AN	SN74LS624NE4	TL2575-ADJINE4	TLV2252AIP
CD4044BEE4	SN74ALS05ANE4	SN74LS628N	TL2575HV-05IN	TLV2252A IPE4
CD4045BE	SN74ALS08N	SN74LS628NE4	TL2575HV-05INE4	TLV2252IP
CD4045BEE4	SN74ALS08NE4	SN74LS629N	TL2575HV-12IN	TLV2252IPE4
CD4046BE	SN74ALS09N	SN74LS629NE4	TL2575HV-12INE4	TLV2254AIN
CD4046BEE4	SN74ALS09NE4	SN74LS670N	TL2575HV-15IN	TLV2254AINE4
CD4047BE	SN74ALS1004N	SN74LS670NE4	TL2575HV-15INE4	TLV2254IN
CD4047BEE4	SN74ALS1004NE4	SN74LS73AN	TL2575HV-33IN	TLV2254INE4
CD4048BE	SN74ALS1005N	SN74LS73ANE4	TL2575HV-33INE4	TLV2262AIP
CD4048BEE4	SN74ALS1005NE4	SN74LS74AN	TL2575HV-ADJIN	TLV2262A IPE4
CD4049UBE	SN74ALS1034N	SN74LS74ANE4	TL2575HV-ADJINE4	TLV2262IP
CD4049UBEE4	SN74ALS1034NE4	SN74LS75N	TL2842BP	TLV2262IPE4
CD4050BE	SN74ALS1035N	SN74LS75NE4	TL2842BPE4	TLV2264AIN
CD4050BEE4	SN74ALS1035NE4	SN74LS85N	TL2842P	TLV2264AINE4
CD4051BE	SN74ALS109AN	SN74LS85NE4	TL2842PE4	TLV2264IN
CD4051BEE4	SN74ALS109ANE4	SN74LS86AN	TL2843BP	TLV2264INE4
CD4052BE	SN74ALS10AN	SN74LS86ANE4	TL2843BPE4	TLV2302IP
CD4052BEE4	SN74ALS10ANE4	SN74LS90N	TL2843P	TLV2302IPE4

日本テキサス・インスツルメンツ株式会社

CD4053BE	SN74ALS112AN	SN74LS90NE4	TL2843PE4	TLV23041N
CD4053BEE4	SN74ALS112ANE4	SN74LS92N	TL2844BP	TLV23041NE4
CD4054BE	SN74ALS11AN	SN74LS92NE4	TL2844BPE4	TLV23621P
CD4054BEE4	SN74ALS11ANE4	SN74LS93N	TL2844P	TLV23621PE4
CD4055BE	SN74ALS133N	SN74LS93NE4	TL2844PE4	TLV23701P
CD4055BEE4	SN74ALS133NE4	SN74S02N	TL2845BP	TLV23701PE4
CD4056BE	SN74ALS137AN	SN74S02NE4	TL2845BPE4	TLV23711P
CD4056BEE4	SN74ALS137ANE4	SN74S04N	TL2845P	TLV23711PE4
CD4060BE	SN74ALS138AN	SN74S04NE4	TL2845PE4	TLV23721P
CD4060BEE4	SN74ALS138ANE4	SN74S05N	TL288CP	TLV23721PE4
CD4063BE	SN74ALS139N	SN74S05NE4	TL288CPE4	TLV23731N
CD4063BEE4	SN74ALS139NE4	SN74S08N	TL317P	TLV23731NE4
CD4066BE	SN74ALS151N	SN74S08NE4	TL317PE4	TLV23741N
CD4066BEE4	SN74ALS151NE4	SN74S09N	TL3472CP	TLV23741NE4
CD4068BE	SN74ALS153N	SN74S09NE4	TL3472CPE4	TLV23751N
CD4068BEE4	SN74ALS153NE4	SN74S1051N	TL34721P	TLV23751NE4
CD4069UBE	SN74ALS156N	SN74S1051NE4	TL34721PE4	TLV24011P
CD4069UBEE4	SN74ALS156NE4	SN74S10N	TL3474ACN	TLV24011PE4
CD4070BE	SN74ALS157AN	SN74S10NE4	TL3474ACNE4	TLV24021P
CD4070BEE4	SN74ALS157ANE4	SN74S112AN	TL3474A1N	TLV24021PE4
CD4071BE	SN74ALS158N	SN74S112ANE4	TL3474A1NE4	TLV24041N
CD4071BEE4	SN74ALS158NE4	SN74S124N	TL3474CN	TLV24041NE4
CD4072BE	SN74ALS161BN	SN74S124NE4	TL3474CNE4	TLV2450A1P
CD4072BEE4	SN74ALS161BNE4	SN74S138AN	TL34741N	TLV2450A1PE4
CD4073BE	SN74ALS163BN	SN74S138ANE4	TL34741NE4	TLV2450CP
CD4073BEE4	SN74ALS163BNE4	SN74S139AN	TL35072P	TLV2450CPE4
CD4075BE	SN74ALS164AN	SN74S139ANE4	TL35072PE4	TLV2451A1P
CD4075BEE4	SN74ALS164ANE4	SN74S140N	TL3695P	TLV2451A1PE4
CD4076BE	SN74ALS165N	SN74S140NE4	TL3695PE4	TLV2451CP
CD4076BEE4	SN74ALS165NE4	SN74S163N	TL3842BP	TLV2451CPE4
CD4077BE	SN74ALS166N	SN74S163NE4	TL3842BPE4	TLV24511P
CD4077BEE4	SN74ALS166NE4	SN74S175N	TL3842P	TLV24511PE4
CD4078BE	SN74ALS169BN	SN74S175NE4	TL3842PE4	TLV2452A1P
CD4078BEE4	SN74ALS169BNE4	SN74S20N	TL3843BP	TLV2452A1PE4
CD4081BE	SN74ALS174N	SN74S20NE4	TL3843BPE4	TLV24521P
CD4081BEE4	SN74ALS174NE4	SN74S260N	TL3843P	TLV24521PE4
CD4082BE	SN74ALS175N	SN74S260NE4	TL3843PE4	TLV2453A1N
CD4082BEE4	SN74ALS175NE4	SN74S283N	TL3844BP	TLV2453A1NE4
CD4085BE	SN74ALS191AN	SN74S283NE4	TL3844BPE4	TLV24531N
CD4085BEE4	SN74ALS191ANE4	SN74S32N	TL3844P	TLV24531NE4
CD4086BE	SN74ALS193AN	SN74S32NE4	TL3844PE4	TLV2454A1N
CD4086BEE4	SN74ALS193ANE4	SN74S37N	TL3845BP	TLV2454A1NE4
CD4089BE	SN74ALS20AN	SN74S37NE4	TL3845BPE4	TLV2454CN
CD4089BEE4	SN74ALS20ANE4	SN74S38N	TL3845P	TLV2454CNE4
CD4093BE	SN74ALS21AN	SN74S38NE4	TL3845PE4	TLV24541N
CD4093BEE4	SN74ALS21ANE4	SN74S51N	TL431ACP	TLV24541NE4
CD4094BE	SN74ALS251N	SN74S51NE4	TL431ACPE4	TLV2455A1N
CD4094BEE4	SN74ALS251NE4	SN74S74N	TL431A1P	TLV2455A1NE4
CD4098BE	SN74ALS253N	SN74S74NE4	TL431A1PE4	TLV2455CN
CD4098BEE4	SN74ALS253NE4	SN74S85N	TL431BCP	TLV2455CNE4
CD4099BE	SN74ALS257AN	SN74S85NE4	TL431BCPE4	TLV2460A1P
CD4099BEE4	SN74ALS257ANE4	SN75107AN	TL431B1P	TLV2460A1PE4
CD4502BE	SN74ALS258AN	SN75107ANE4	TL431B1PE4	TLV2460CP
CD4502BEE4	SN74ALS258ANE4	SN75107BN	TL431CP	TLV2460CPE4
CD4503BE	SN74ALS259N	SN75107BNE4	TL431CPE4	TLV24601P
CD4503BEE4	SN74ALS259NE4	SN75110AN	TL431CP-J	TLV24601PE4

日本テキサス・インスツルメンツ株式会社

CD4504BE	SN74ALS27AN	SN75110ANE4	TL431IP	TLV2461AIP
CD4504BEE4	SN74ALS27ANE4	SN75112N	TL431IPE4	TLV2461A IPE4
CD4504BE-G	SN74ALS32N	SN75112NE4	TL441CN	TLV2461CP
CD4510BE	SN74ALS32NE4	SN75113N	TL441CNE4	TLV2461CPE4
CD4510BEE4	SN74ALS35AN	SN75113NE4	TL494CN	TLV2461IP
CD4511BE	SN74ALS35ANE4	SN75114N	TL494CNE4	TLV2461IPE4
CD4511BEE4	SN74ALS37AN	SN75114NE4	TL494IN	TLV2462AIP
CD4512BE	SN74ALS37ANE4	SN75115N	TL494INE4	TLV2462A IPE4
CD4512BEE4	SN74ALS38BN	SN75115N-A	TL497ACN	TLV2462CP
CD4516BE	SN74ALS38BNE4	SN75115NE4	TL497ACNE4	TLV2462CPE4
CD4516BEE4	SN74ALS74AN	SN75116N	TL497A IN	TLV2462IP
CD4517BE	SN74ALS74ANE4	SN75116NE4	TL497AINE4	TLV2462IPE4
CD4517BEE4	SN74ALS86N	SN751177N	TL499ACP	TLV2463CN
CD4518BE	SN74ALS86NE4	SN751177NE4	TL499ACPE4	TLV2463CNE4
CD4518BEE4	SN74AS00N	SN751178N	TL5001AIP	TLV2463IN
CD4520BE	SN74AS00NE4	SN751178NE4	TL5001A IPE4	TLV2463INE4
CD4520BEE4	SN74AS02N	SN75117P	TL5001CP	TLV2464A IN
CD4521BE	SN74AS02NE4	SN75117PE4	TL5001CP-A	TLV2464AINE4
CD4521BEE4	SN74AS04N	SN75118N	TL5001CP-AE4	TLV2464CN
CD4522BE	SN74AS04NE4	SN75118NE4	TL5001CPE4	TLV2464CNE4
CD4522BEE4	SN74AS08N	SN75119P	TL5001IP	TLV2464IN
CD4527BE	SN74AS08NE4	SN75119PE4	TL5001IPE4	TLV2464INE4
CD4527BEE4	SN74AS1000AN	SN75121N	TL5580AIP	TLV2465IN
CD4532BE	SN74AS1000ANE4	SN75121NE4	TL5580A IPE4	TLV2465INE4
CD4532BEE4	SN74AS1004AN	SN75123N	TL5580IP	TLV2470AIP
CD4536BE	SN74AS1004ANE4	SN75123NE4	TL5580IPE4	TLV2470A IPE4
CD4536BEE4	SN74AS1008AN	SN75124N	TL592BP	TLV2470CP
CD4541BE	SN74AS1008ANE4	SN75124NE4	TL592BPE4	TLV2470CPE4
CD4541BEE4	SN74AS1032AN	SN75138N	TL594CN	TLV2471AIP
CD4543BE	SN74AS1032ANE4	SN75138NE4	TL594CNE4	TLV2471A IPE4
CD4543BEE4	SN74AS1034AN	SN75140P	TL594IN	TLV2471CP
CD4555BE	SN74AS1034ANE4	SN75140PE4	TL594INE4	TLV2471CPE4
CD4555BEE4	SN74AS109AN	SN75150P	TL598CN	TLV2471IP
CD4556BE	SN74AS109ANE4	SN75150PE4	TL598CNE4	TLV2471IPE4
CD4556BEE4	SN74AS10N	SN75154N	TL712CP	TLV2472AIP
CD4572UBE	SN74AS10NE4	SN75154NE4	TL712CPE4	TLV2472A IPE4
CD4572UBEE4	SN74AS11N	SN75155P	TL714CP	TLV2472CP
CD4585BE	SN74AS11NE4	SN75155PE4	TL714CPE4	TLV2472CPE4
CD4585BEE4	SN74AS138N	SN75157P	TL751L10CP	TLV2472IP
CD4724BE	SN74AS138NE4	SN75157PE4	TL751L10CPE4	TLV2472IPE4
CD4724BEE4	SN74AS138N-J	SN75158P	TL7660CP	TLV2473A IN
DS3680N	SN74AS151N	SN75158PE4	TL7660CPE4	TLV2473AINE4
DS3680NE4	SN74AS151NE4	SN75159N	TL7660IP	TLV2473IN
HPA00893P	SN74AS153N	SN75159NE4	TL7660IPE4	TLV2473INE4
KABB-7438N	SN74AS153NE4	SN751701P	TL7700CP	TLV2474A IN
L293DNE	SN74AS157N	SN751701PE4	TL7700CPE4	TLV2474AINE4
L293DNEE4	SN74AS157NE4	SN75172N	TL7702ACP	TLV2474CN
L293NE	SN74AS158N	SN75172NE4	TL7702ACPE4	TLV2474CNE4
L293NEE4	SN74AS158NE4	SN751730N	TL7702AIP	TLV2474IN
LF347BN	SN74AS158N-J	SN751730NE4	TL7702A IPE4	TLV2474INE4
LF347BNE4	SN74AS161N	SN75173N	TL7702BCP	TLV2475A IN
LF347N	SN74AS161NE4	SN75173NE4	TL7702BCPE4	TLV2475AINE4
LF347NE4	SN74AS163N	SN75174N	TL7702BIP	TLV2475CN
LF353P	SN74AS163NE4	SN75174NE4	TL7702B IPE4	TLV2475CNE4
LF353PE4	SN74AS169AN	SN75175N	TL7705ACP	TLV2475IN
LF411CP	SN74AS169ANE4	SN75175NE4	TL7705ACPE4	TLV2475INE4

日本テキサス・インスツルメンツ株式会社

LF411CPE4	SN74AS174N	SN75176AP	TL7705A1P	TLV27021P
LF412CP	SN74AS174NE4	SN75176APE4	TL7705A1PE4	TLV27021PE4
LF412CPE4	SN74AS175BN	SN75176BP	TL7705BCP	TLV2711P
LM211P	SN74AS175BNE4	SN75176BPE4	TL7705BCPE4	TLV2711PE4
LM211PE4	SN74AS194N	SN75178BP	TL7705B1P	TLV2721P
LM224AN	SN74AS194NE4	SN75178BPE4	TL7705B1PE4	TLV2721PE4
LM224ANE4	SN74AS20N	SN75179BP	TL7705CP-B	TLV2741N
LM224KAN	SN74AS20NE4	SN75179BPE4	TL7709ACP	TLV2741NE4
LM224KANE4	SN74AS21N	SN75182N	TL7709ACPE4	TLV3401P
LM224KN	SN74AS21NE4	SN75182NE4	TL7712ACP	TLV3401PE4
LM224KNE4	SN74AS253AN	SN75183N	TL7712ACPE4	TLV34021P
LM224N	SN74AS253ANE4	SN75183NE4	TL7715ACP	TLV34021PE4
LM224NE4	SN74AS257N	SN75188N	TL7715ACPE4	TLV34041N
LM239N	SN74AS257NE4	SN75188NE4	TL7726CP	TLV34041NE4
LM239NE4	SN74AS258N	SN75189AN	TL7726CPE4	TLV37011P
LM248N	SN74AS258NE4	SN75189ANE4	TL77261P	TLV37011PE4
LM248NE4	SN74AS27N	SN75189N	TL77261PE4	TLV37021P
LM25751N	SN74AS27NE4	SN75189NE4	TL7733BCP	TLV37021PE4
LM25751NE4	SN74AS280N	SN75207BN	TL7733BCPE4	TLV37041N
LM258AP	SN74AS280NE4	SN75207BNE4	TL7733B1P	TLV37041NE4
LM258APE4	SN74AS286N	SN75240P	TL7733B1PE4	TLV41101P
LM258P	SN74AS286NE4	SN75240PE4	TL7759CP	TLV41101PE4
LM258PE4	SN74AS298AN	SN7534050N	TL7759CPE4	TLV4112CP
LM2900N	SN74AS298ANE4	SN7534050NE4	TL7770-5CN	TLV4112CPE4
LM2900NE4	SN74AS30N	SN7534051N	TL7770-5CNE4	TLV41121P
LM2901N	SN74AS30NE4	SN7534051NE4	TL851CN	TLV41121PE4
LM2901NE4	SN74AS32N	SN75372P	TL851CNE4	TLV41131N
LM2902KN	SN74AS32NE4	SN75372PE4	TL852CN	TLV41131NE4
LM2902KNE4	SN74AS74AN	SN75374N	TL852CNE4	TLV5620CN
LM2902N	SN74AS74ANE4	SN75374NE4	TLC070A1P	TLV5620CNE4
LM2902NE4	SN74AS86AN	SN75437ANE	TLC070A1PE4	TLV56201N
LM2903P	SN74AS86ANE4	SN75437ANEE4	TLC0701P	TLV56201NE4
LM2903PE4	SN74F00N	SN754410NE	TLC0701PE4	TLV5628CN
LM2904P	SN74F00NE4	SN754410NEE4	TLC071A1P	TLV5628CNE4
LM2904PE4	SN74F02N	SN75451BP	TLC071A1PE4	TLV56281N
LM2904P-JF	SN74F02NE4	SN75451BPE4	TLC071CP	TLV56281NE4
LM293P	SN74F04N	SN75452BP	TLC071CPE4	TPS2811P
LM293PE4	SN74F04NE4	SN75452BPE4	TLC0711P	TPS2811PE4
LM306P	SN74F08N	SN75453BP	TLC0711PE4	TPS2812P
LM306PE4	SN74F08NE4	SN75453BPE4	TLC072A1P	TPS2812PE4
LM311P	SN74F109N	SN75454BP	TLC072A1PE4	TPS2813P
LM311PE4	SN74F109NE4	SN75454BPE4	TLC072CP	TPS2813PE4
LM318P	SN74F10N	SN75462P	TLC072CPE4	TPS2814P
LM318PE4	SN74F10NE4	SN75462PE4	TLC0721P	TPS2814PE4
LM324AN	SN74F112N	SN75463P	TLC0721PE4	TPS2815P
LM324ANE4	SN74F112NE4	SN75463PE4	TLC073CN	TPS2815PE4
LM324KAN	SN74F11N	SN75468N	TLC073CNE4	TPS3510P
LM324KANE4	SN74F11NE4	SN75468N-A	TLC0731N	TPS3510PE4
LM324KN	SN74F125N	SN75468NE4	TLC0731NE4	TPS3511P
LM324KNE4	SN74F125NE4	SN75469N	TLC074A1N	TPS3511PE4
LM324N	SN74F126N	SN75469NE4	TLC074A1NE4	TPS3513N
LM324NE4	SN74F126NE4	SN75471P	TLC074CN	TPS3513NE4
LM3302N	SN74F138N	SN75471PE4	TLC074CNE4	TPS3514N
LM3302NE4	SN74F138NE4	SN75472P	TLC0741N	TPS3514NE4
LM339AN	SN74F151BN	SN75472PE4	TLC0741NE4	TPS67341P
LM339ANE4	SN74F151BNE4	SN75477P	TLC075A1N	TPS67341PE4

日本テキサス・インスツルメンツ株式会社

LM339N	SN74F153N	SN75477PE4	TLC075A1NE4	TPS67351P
LM339NE4	SN74F153NE4	SN75478P	TLC075CN	TPS67351PE4
LM348N	SN74F157AN	SN75478PE4	TLC075CNE4	TPS67551P
LM348NE4	SN74F157ANE4	SN75ALS1177N	TLC080A1P	TPS67551PE4
LM358AP	SN74F161AN	SN75ALS1177NE4	TLC080A1PE4	TPS7101QP
LM358APE4	SN74F161ANE4	SN75ALS1178N	TLC0801P	TPS7101QPE4
LM358P	SN74F163AN	SN75ALS1178NE4	TLC0801PE4	TPS71025P
LM358PE4	SN74F163ANE4	SN75ALS172AN	TLC081A1P	TPS71025PE4
LM358P-JF	SN74F174AN	SN75ALS172ANE4	TLC081A1PE4	TPS7133QP
LM390ON	SN74F174ANE4	SN75ALS172N	TLC081CP	TPS7133QPE4
LM390ONE4	SN74F175N	SN75ALS172NE4	TLC081CPE4	TPS7148QP
LM392P	SN74F175NE4	SN75ALS173N	TLC0811P	TPS7148QPE4
LM392PE4	SN74F20N	SN75ALS173NE4	TLC0811PE4	TPS7150QP
LM393AP	SN74F20NE4	SN75ALS174AN	TLC082A1P	TPS7150QPE4
LM393APE4	SN74F21N	SN75ALS174ANE4	TLC082A1PE4	TPS7201QP
LM393P	SN74F21NE4	SN75ALS174N	TLC082CP	TPS7201QPE4
LM393PE4	SN74F251BN	SN75ALS174NE4	TLC082CPE4	TPS7225QP
LM833P	SN74F251BNE4	SN75ALS175N	TLC0821P	TPS7225QPE4
LP2901N	SN74F253N	SN75ALS175NE4	TLC0821PE4	TPS7230QP
LP2901NE4	SN74F253NE4	SN75ALS176AP	TLC083A1N	TPS7230QPE4
LP2902N	SN74F257N	SN75ALS176APE4	TLC083A1NE4	TPS7233QP
LP2902NE4	SN74F257NE4	SN75ALS176BP	TLC083CN	TPS7233QPE4
LP311P	SN74F258N	SN75ALS176BPE4	TLC083CNE4	TPS7248QP
LP311PE4	SN74F258NE4	SN75ALS176P	TLC0831N	TPS7248QPE4
LP324N	SN74F260N	SN75ALS176PE4	TLC0831NE4	TPS7250QP
LP324NE4	SN74F260NE4	SN75ALS180N	TLC084A1N	TPS7250QPE4
LP339N	SN74F27N	SN75ALS180NE4	TLC084A1NE4	TPS7301QP
LP339NE4	SN74F27NE4	SN75ALS181N	TLC084CN	TPS7301QPE4
LT1013CP	SN74F280BN	SN75ALS181NE4	TLC084CNE4	TPS7325QP
LT1013CPE4	SN74F280BNE4	SN75ALS191P	TLC085A1N	TPS7325QPE4
LT1013D1P	SN74F283N	SN75ALS191PE4	TLC085A1NE4	TPS7330QP
LT1013D1PE4	SN74F283NE4	SN75ALS192N	TLC085CN	TPS7330QPE4
LT1013DP	SN74F30N	SN75ALS192NE4	TLC085CNE4	TPS7333QP
LT1013DPE4	SN74F30NE4	SN75ALS193N	TLC2252A1P	TPS7333QPE4
LT1014CN	SN74F32N	SN75ALS193NE4	TLC2252A1PE4	TPS7348QP
LT1014CNE4	SN74F32NE4	SN75ALS194N	TLC2252CP	TPS7348QPE4
LT1014D1N	SN74F38N	SN75ALS194NE4	TLC2252CPE4	TPS7350QP
LT1014D1NE4	SN74F38NE4	SN75ALS195N	TLC22521P	TPS7350QPE4
LT1014DN	SN74F74N	SN75ALS195NE4	TLC22521PE4	TRS232E1N
LT1014DNE4	SN74F74NE4	SN75ALS197N	TLC2254A1N	TRS232E1NE4
LT1030CN	SN74F86N	SN75ALS197NE4	TLC2254A1NE4	TRS2321N
LT1030CNE4	SN74F86NE4	SN75ALS199N	TLC2254CN	TRS2321NE4
LT1054CP	SN74LS00N	SN75ALS199NE4	TLC2254CNE4	TRS232N
LT1054CPE4	SN74LS00NE4	SN75C1406N	TLC22541N	TRS232NE4
LT10541P	SN74LS02N	SN75C1406NE4	TLC22541NE4	TS12A4514P
LT10541PE4	SN74LS02NE4	SN75C188N	TLC2262A1P	TS12A4514PE4
MAX2321N	SN74LS03N	SN75C188NE4	TLC2262A1PE4	TS12A4515P
MAX2321NE4	SN74LS03NE4	SN75C189AN	TLC2262CP	TS12A4515PE4
MAX232N	SN74LS04N	SN75C189ANE4	TLC2262CPE4	UA723CN
MAX232NE4	SN74LS04NE4	SN75C189N	TLC22621P	UA723CNE4
MC1458P	SN74LS05N	SN75C189NE4	TLC22621PE4	UA733CN
MC1458PE4	SN74LS05NE4	SN75C198N	TLC2264A1N	UA733CNE4
MC1488N	SN74LS06N	SN75C198NE4	TLC2264A1NE4	UA741CP
MC1488NE4	SN74LS06NE4	SN75HVD3082EP	TLC2264CN	UA741CPE4
MC1489AN	SN74LS07N	SN75HVD3082EPE4	TLC2264CNE4	UA747CN
MC1489ANE4	SN74LS07NE4	SN75LBC172AN	TLC22641N	UA747CNE4

日本テキサス・インスツルメンツ株式会社

MC1489N	SN74LS08N	SN75LBC172ANE4	TLC22641NE4	UA9636ACP
MC1489NE4	SN74LS08NE4	SN75LBC172N	TLC2272ACP	UA9636ACPE4
MC3303N	SN74LS09N	SN75LBC172NE4	TLC2272ACPE4	UA9637ACP
MC3303NE4	SN74LS09NE4	SN75LBC173AN	TLC2272A1P	UA9637ACPE4
MC33063AP	SN74LS107AN	SN75LBC173ANE4	TLC2272A1PE4	UA9638CP
MC33063APE4	SN74LS107ANE4	SN75LBC173N	TLC2272CP	UA9638CPE4
MC33078P	SN74LS109AN	SN75LBC173NE4	TLC2272CPE4	UA9639CP
MC33078PE4	SN74LS109ANE4	SN75LBC174N	TLC22721P	UA9639CPE4
MC3403N	SN74LS10N	SN75LBC175AN	TLC22721PE4	UCC27321P
MC3403NE4	SN74LS10NE4	SN75LBC175ANE4	TLC2274ACN	UCC27321PE4
MC34063AP	SN74LS112AN	SN75LBC175N	TLC2274ACNE4	UCC27322P
MC34063APE4	SN74LS112ANE4	SN75LBC175NE4	TLC2274A1N	UCC27322PE4
MC3486N	SN74LS11N	SN75LBC176AP	TLC2274A1NE4	UCC27323P
MC3486NE4	SN74LS11NE4	SN75LBC176APE4	TLC2274CN	UCC27323PE4
MC3487N	SN74LS122N	SN75LBC176P	TLC2274CNE4	UCC27324P
MC3487NE4	SN74LS122NE4	SN75LBC176PE4	TLC22741N	UCC27324PE4
NA555P	SN74LS123N	SN75LBC179AP	TLC22741NE4	UCC27325P
NA555PE4	SN74LS123NE4	SN75LBC179APE4	TLC5620CN	UCC27325PE4
NA556N	SN74LS125AN	SN75LBC179P	TLC5620CNE4	UCC27423P
NA556NE4	SN74LS125ANE4	SN75LBC179PE4	TLC56201N	UCC27423PE4
NE5532AP	SN74LS126AN	SN75LBC180AN	TLC56201NE4	UCC27424P
NE5532APE4	SN74LS126ANE4	SN75LBC180ANE4	TLC5628CN	UCC27424PE4
NE5532P	SN74LS132N	SN75LBC180N	TLC5628CNE4	UCC27425P
NE5532PE4	SN74LS132NE4	SN75LBC180NE4	TLC56281N	UCC27425PE4
NE5534AP	SN74LS136N	TL022CP	TLC56281NE4	UCC37321P
NE5534APE4	SN74LS136NE4	TL022CPE4	TLC77011P	UCC37321PE4
NE5534P	SN74LS138N	TL026CP	TLC77011PE4	UCC37322P
NE5534PE4	SN74LS138NE4	TL026CPE4	TLC7701QP	UCC37322PE4
NE555P	SN74LS139AN	TL031CP	TLC7701QPE4	UCC37323P
NE555PE4	SN74LS139ANE4	TL031CPE4	TLC77031P	UCC37323PE4
NE556N	SN74LS145N	TL0311P	TLC77031PE4	UCC37324P
NE556NE4	SN74LS145NE4	TL0311PE4	TLC7703QP	UCC37324PE4
OP07CP	SN74LS148N	TL032ACP	TLC7703QPE4	UCC37325P
OP07CPE4	SN74LS148NE4	TL032ACPE4	TLC77051P	UCC37325PE4
OP07DP	SN74LS14N	TL032A1P	TLC77051PE4	ULN2002AN
OP-07DP	SN74LS14NE4	TL032A1PE4	TLC7705QP	ULN2002ANE4
OP07DPE4	SN74LS151N	TL032CP	TLC7705QPE4	ULN2003A1N
P82B715P	SN74LS151NE4	TL032CPE4	TLC77251P	ULN2003A1NE4
P82B715PE4	SN74LS153N	TL0321P	TLC77251PE4	ULN2003AN
P82B96P	SN74LS153NE4	TL0321PE4	TLC7725QP	ULN2003ANE4
P82B96PE4	SN74LS155AN	TL034ACN	TLC7725QPE4	ULN2004A1N
PCA9515AP	SN74LS155ANE4	TL034ACNE4	TLC77331P	ULN2004A1NE4
PSN75172N	SN74LS156N	TL034A1N	TLC77331PE4	ULN2004AN
RC4136N	SN74LS156NE4	TL034A1NE4	TLC7733QP	ULN2004ANE4
RC4136NE4	SN74LS157N	TL034CN	TLC7733QPE4	
RC45581P	SN74LS157NE4	TL034CNE4	TLE2021ACP	
RC45581PE4	SN74LS158N	TL0341N	TLE2021ACPE4	
RC4558P	SN74LS158NE4	TL0341NE4	TLE2021A1P	

日本テキサス・インスツルメンツ株式会社

信頼性試験

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	PDIPN/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