



Texas Instruments Incorporated

**Change From INK Marking to LASER Marking
CHANGE NOTIFICATION LETTER / SAMPLE REQUEST
PCN# 20030326001**

May 22, 2003

Dear Customer:

This is a formal announcement of change to a device that is currently offered by Texas Instruments. The details of this change will be discussed below.

This notification will provide the following information for your consideration.

- PCN tracking number
- Detailed description of the change
- Reason for the change
- Product Affected (including customer part number where applicable)
- Benefit of Change
- Risk Assessment of Anticipate (positive / negative) impact on Fit, Form, Function & Reliability.
- Proposed implementation date (date of when change will take place w/in TI)
- Qualification plan & Qualification results, if available (if not, qual schedule)
- Sample available date (date when samples can be shipped for evaluation)
- Proposed first ship date
- Product Identification

This notice does not apply to product on end of life status. Should product affected be on the previously issued lifetime buy/withdrawal notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

We kindly request acknowledgement of this notification within 30 days of the date of this correspondence. Additionally, if you require samples to conduct an evaluation please make any request within the 30 days as well. Samples are not built ahead of the change please see the schedule below for availability dates. You may contact Customer Contact shown below or your local Field Sales Representative to acknowledge this PCN and request samples as needed.

The changes discussed within this PCN will not change any earlier than 90 days of the date of this notification. For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Sincerely,

Alain Lee
SC Business Services
PCN Manager
12500 TI Blvd, MS 8640
Dallas, TX. 75243

Phone: (214) 480-6037
Fax: (214) 480-6659

PCN Number: 20030326001 **PCN Date:** 5/22/2003 **Effective Date:** 8/30/2003

Title: Conversion From INK Marking to LASER Marking

Customer Contact: Alain Lee **Phone:** (214) 480-6037 **Dept:** Quality Services

Proposed 1st Ship Date: 06/30/2003

Qualification Result:

Samples Available date: 06/30/2003

Sample Ship Date: 06/30/2003

Change Type:

<input type="checkbox"/> Assembly Materials	<input checked="" type="checkbox"/> X	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Assembly Site
<input type="checkbox"/> Design	<input type="checkbox"/>	<input type="checkbox"/> Electrical Specification	<input type="checkbox"/> Mechanical Specification
<input type="checkbox"/> Test Site	<input type="checkbox"/>	<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Process
<input type="checkbox"/> Wafer Bump Site	<input type="checkbox"/>	<input type="checkbox"/> Wafer Bump Material	<input type="checkbox"/> Wafer Bump Process
<input type="checkbox"/> Wafer Fab Site	<input type="checkbox"/>	<input type="checkbox"/> Wafer Fab Materials	<input type="checkbox"/> Wafer Fab Process

PCN Details

Description of Change:

This is to announce a change in the package marking technique currently used on the PQFP/TQFP/LQFP/HQFP/HTQFP/HLQFP/PLCC packages. The change is from INK Marking to LASER Marking.

Reason for Change:

Improve symbolization quality, and simplify the production process.

Product Affected: ☐ Table I ☒ X **Attachment I**

All PQFP/TQFP/LQFP/HQFP/HTQFP/PLCC packages.

Anticipate (positive / negative) impact on Fit, Form, Function & Reliability:

There is no impact on the device functionality.

Qualification Data:

This qualification has been specifically developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

Qualification Schedule: **Start:** 04/10/2003 **End:** 04/30/2003

Qualification Plan: Compare INK symbols and LASER symbols for quality and clarity on all variations of material changing.

Qualification Results: All Inspected passed

Product Identification No change

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com

Attachment I

5962-9455804NZB

5962-9675801NYB

5962-9679001NXB

5962-9679002NXB

5962-9760601NXB	A45004PH	A45005PH	A45030PH
A45031PH	A45034PH	A45035PH	A45036PH
A45039PH	BBSP4CH20PQS	BBSP4CH32PQS	BFC2211APAG
C0020002PZ	C122A013PZR	C122A016PZR	C122A021PZR
C122B013PZR	C122B016PZR	C122B021PZR	C122B042PZR
C122B044PZR	C136A015PZR	C136A017PZR	C136A019PZR
C136A020PZR	C136A022PZR	C136A024PZR	C136A028PZR
C136A030PZR	C136A032PZR	C136A033PZR	C136A034PZR
C136A035PZR	C136A036PZR	C136A038PZR	C136A039PZR
C136C017PZR	C136C019PZR	C136C022PZR	C136C024PZR
C136C030PZR	C136C032PZR	C136C033PZR	C136C034PZR
C136C046PZR	C136C047PZR	C136C048PZR	C136C051PZR
C138C011PZR	C138C012PZR	C138C014PZR	C138C018PZR
C138C023PZR	C138C025PZR	C138C026PZR	C138C027PZR
C138C029PZR	C138C031PZR	C138C037PZR	C138C040PZR
C138C041PZR	C138C043PZR	C138C045PZR	C138C049PZR
C138C050PZR	C138G052PZR	C3660005PZQ	C3660006PZQ
C366A010PZQ	C366A011PZQ	C366A012PZQ	C366A013PZQ
C366A015PZQ	C366A016PZQ	C366A017PZQ	C366A020PZQ
C366A023PZQ	C366A024PZQ	C366A026PZQ	C3760002PBK
C376A014PBKQ	C376A018PBKQ	C376A025PBKQ	CDC1111FN
CDC1111FNR	CDCVF111FN	CF30313AFNR	CF32006FN
CF32261B	CF32316PDN	CF32731APCM	CF32733FN
CF32733FNR	CF33093FNR	CF43309PGC	CF45101PZ
CF45104PGJ	CF45105PGJ	CF45702PC	CF45702PGF
CF45800PN	CF45800PN-AT	CF62411FNR	CF62412FNR
CF62422FNR	CF62441CFNR	CF62442FNR	CF64021PBM
CF64029APJM	CF64310PPM	CF64335APJ	CF64624PCM
CF64887BPBE	CF64947PCM	CF64993PCM	CF72209PDB
CF72233FNR	CF72234FNR	CF72259APDB	CF74057PH
CF99014CPPM	D02002FN	D11553FNR	D11644PBK
D11647PGF	D12059FN	D12103FNR	D12752FN
D12753FN	D12945PN	D14021FN	D15563FN
D16032FN	D16045FN	D16065FNA	D16067FN
D16069FNR	D16076PGE	D16077PGE	D16078PGE
D16782PGE100	D16787PGE50	D16876PZ-66	D16877PZ-66
D17008PGEA	D17008PGER	D17129PQ	D17138PQ
D17152PZ	D17184PQ	D171A4PQA	D17222PZ
D172A4PJ80	D172A4PJ92	D172A4PJ92R	D172A4PZA92R
D172A4PZA96R	D17807PJ96	D17807PJR	D22055FNW
D32057FN	D32057FNR	D320C25PHL	D36009FNR
D36452PFCR	D36655PGE-100	D36656PGE-100	D36657PGE-100
D36659PGE-100	D36780PGE100	D36782PGE100	D36859PFCR
D36884PZ	D36884PZ-66	D36955PGE100	D36956PGE100
D37004PQ	D37004PQ57	D37121PQ	D371B2PZ
D37210PZ	D54001FN	D56005FN	D56005FNR
D711712BPGJ	D72258PH	D72270PH	D72273PH
D72274PH	D72276FNW	D72278PH	D72652PZ80
D72931PN	D731586APGJ	D731589PGE	D731746BPGF-R
D741606DPGF	D741667APGF	D741667BPGF	D741667CPGF
D741667DPGF	D741708CPGF	D741864CPGF	D741864EPGF
D741864FPGF	D741864GPGF	D76102PGE160	D76154PGE160
D76975PZ	D77368PZ	D773C5PZA	D77607APJ
D77607APJ-L	D77611PJR	DC-128PBK	DC-144PGE
DL172A9PJA57	DL17614PZ	DL17614PZR	DL17617PZA
DL17618PZA	DL17628PZ	DL37377PZ57	DM003001PQA
DM023001APGA	DM023002APG	DM023003APG	DM023006APGA
DM026001APGA	DM027001APGA	DM027002APGA	DM027003APGA
DM047001APZA	DM047001PZA	DM047002APZA	DM047002PZA
DM047004APZA	DM047005APZA	DM201003PGA	DM201004PGA
DM201005PGA	DM201006PG	DM206002PGA	DM207003PGA
DMDSR16CKPN	ETNETC4040CPPM	F119607PQ	F1580024AFNT
F16E27PJAR22	F16E88PJAR11	F1B00002FN	F255503PJ
F256018PCM	F310096PJM	F310258PPM	F310945PCM
F312063APJM	F312118APPM	F312143APDN	F312185BPJM
F312241PBM	F312321PBM	F312328PCM	F312398PN
F312419PJM	F312437PCM	F312564PPM	F312578PJM
F312584APDN	F312613PBM	F312635PBM	F312660PCM
F312741PH	F312746APZ	F312795PGE	F312803PZ
F312835PPE	F312857PCM	F312861APBM	F312872PBK
F312947PCM	F312993PAG	F312996PCM	F313212BPGV

F313230CPZ	F313315PGE	F313318APCM	F313410PGE
F313473APCM	F313542PGH	F313625APGF	F313871BPGF
F313874APCM	F313899APPM	F313913PCM	F313927PGF
F422004APH	F422009PGE	F422010PPE	F422011PC
F422100BPJ	F432007PH	F432007PN	F432117PB
F432117PBM	F432166BPN	F432168APCM	F432173APJ
F432174APG	F432251PJ	F432406PPM	F432414APPE
F432522PBK	F432541APZ	F432548PPM	F432602PPE
F432616PGC	F432619PPE	F432700PPA	F432706PPM
F432712PPM	F432821PPE	F432916PPE	F432922PPE
F433101PGE	F433251APPE	F433252APCM	F433300PPM
F433408APGC	F433411PZ	F433505APPE	F433509BPGC
F433511APGC	F433512PGC	F433606PGC	F433607APPE
F433708APGC	F433811BPGH	F433851PPE	F436013BPG
F591212PCM	F591282APCM	F591282BPCM	F591600PPM
F591601APCM	F591603BFN	F591605APCM	F591606PZ
F642026APCE	F642083PPM	F642109APCM	F642168APBE
F642184PPM	F642193PPE	F642270APJM	F642270PJM
F642279PQ	F642335APCM	F642336FNR	F642369FNR
F642376PPM	F642386PJM	F642401AFNR	F642433PC
F642438BPJM	F642458PH	F642489BPH	F642500PJM
F642503PZ	F642512PCM	F642549PCM	F642609APPM
F642689PCM	F642775FNR	F642793PBM	F642805APPM
F642830BPCM	F642868APBM	F642903PPE	F642943PJM
F642977PGV	F643636APPE	F643684BPCE	F646895PGER
F648714APPM	F648757CPPM	F711009APCM	F711010PCM
F711012APPM	F711030APCM	F711040PPM	F711048PPE
F711051APPB	F711080BPGC	F711082PGV	F711087PGF
F711109PGE	F711146PPM	F711159BPPM	F711164PGE
F711190PPE	F711196PGC	F711197PBU	F711217PGE
F711221PZT	F711225APCM	F711236PBM	F711254PBM
F711255PPE	F711264PGE	F711264PGER	F711266CPPB
F711270PGV	F711273PCY	F711274BPGF	F711284APBM
F711309PGF	F711319PCM	F711354APPE	F711354BPPE
F711354C/P	F711354CPPE	F711364PCM	F711380APCM
F711389PCM	F711393APPE	F711414APBM	F711444B/P
F711445PZT	F711498APGC	F711520A/P	F711520APPM
F711525PGC	F711533PGE	F711535APZ	F711610PETR
F711615VFR	F711616CPZ	F711616FPZ	F711658PGC
F711684FN	F711711PJM	F711741VFR	F711815APZ
F711862PGE	F711866PGE	F712001CPZ	F712003BPZ
F712013APPM	F712019PGF	F712020APGC	F712024PPM
F712025PZ	F712027PGC	F712031PPM	F712033PZ
F712322PCM	F712324APPE	F712325PPE	F712326PPE
F712330APPE	F712331APGV	F712507CPPM	F712518PPE
F712519PPM	F721500PN	F721501APGF	F721595APZ
F721611BPZP	F721730DPBK	F721730EPBK	F721730F/P
F721730GPBK	F721733BPN	F721905PAG	F721940APZ
F721961APZR	F731532APGE	F731541PGF	F731727APAG
F731727BPAG	F731849PGE	F731891PDV	F731931PFC
F731936PGF	F731993APGE	F741503A/P	F741503APGF
F741504/P	F741504PAG	F741505A/P	F741505APZT
F741574APGF	F741580APZ	F741580APZ-TEB	F741598/P
F741719APDV-A	F741779A/P	F741779APGE	F741783/P
F741814APBL	F741817BPBLR	F741824/P	F741824PGF
F741890A/P	F741890APDV	F741931PBL	F751721/P
HPC3130APBK	HPC3130APBM	HPC3130APGE	HPC3130PBK
HPC3130PBM	L10003PGE	L11010PQ	LBT4030
MP9914FNL	MP9914FNLR	MSP430P325AIFN	MSP430P325AIPG
MSP430P325IFN	MSP430P325IPG	MSP430P325QPG	MSP430U125IPG
MSP430U183IPG	MSP430U219IPG	MSP430U240IPG	P160A7FNT46
P160C4FNT33	P160C5FNT12	P1B65003PJR	P1B65004PJR
P1C27008PAH	P1E69005PHR	P1E69006PHR	P1E69007PHR
P1F07026FNR	P1F07038FNR	P1F07039FNR	P1F07040FNR
P1F07041FNR	P1F07043FNR	P1F07044FNR	P1F07046FNR
P1F07047FNR	P1F07053FNR	P1F07056FNR	P1F07057FNR
P1F07058FNR	P1F07059FNR	P1F07060FNR	P1F07061FNR
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P1F24005FNR	P1F24006FNR	P4A1AA86PHAR	P4A1AA87PHAR
P4A1AA88PHAR	P4A1AA89PHAR	P4A1AA90PHAR	P4A1AA91PHAR
P4A1AA92PHAR	P4A1AA93PHAR	P4A1AA94PHAR	P4A1AA95PHAR
P4A1AA97PHAR	P4A1AA98PHAR	P4A1AA99PHAR	P4A27A61PGR
P4A27A71PGR	P4A37A03PGR	P9F03A55FNMA	P9F03A68FNMA
P9F03A69FNMA	P9F03A71FNMA	PAV338PZ-D5P	PAV346APZ-A5P
PAV348PZ-D5P	PAV45AAPGE-A5P	PAV45APGE-J5P	PAV45APGE-K5P
PAV45BPGE-D5P	PAV55BPGE-B5P	PAV55BPGE-D5P	PC1P08E69PHA
PC1P08F07FNT	PC1P160D2FNA	PCI1410APGE	PCI1410PGE
PCI1420PDV	PCI1510PGE	PCI1520PDV	PCI1620PDV
PCI2032PGF	PCI2040PGE	PCI2050APDV	PCI2050BPDV
PCI2050IPDV	PCI2050PDV	PCI2250PGF	PD17140PQ
PF741842APFC	PR33205FNR	PS0P16B5A1PJS	PX0F16E05PGA
PX0P08A1APHA	PX0P08A27PGA	PX0P16B5A1PJS	PX0P16F35PGA
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R1110007FN	R111F501FNR	R112D506FNR	R112D511FNR
R112D514FNR	R112F010FNR	R1200500FN	R1200500FNR
R1200502FNR	R1200503FN	R1200503FNR	R1220005FNR
R1400500FNR	R1400501FNR	R1560004FNR	R1560005FNR
R1560008FN	R1560010FN	R1560509FNR	R1560511FNR
R156D123FNR	R156D130FNR	R156D140FNR	R156D144FNR
R156D148FNR	R156F023FNR	R156F025FNR	R156F027FNR
R156F031FNR	R156F034FNR	R156F044FNR	R156F045FNR
R156F046FNR	R156F048FNR	R158D068FNR	R158D069FNR
R158D080FNR	R158D081FNR	R158D082FNR	R158D084FNR
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R1590002FN	R167F002FNR	R167F006FNR	R167F007FNR
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R168F003FNR	R168F010FNR	R168F011FNR	R168F019FNR
R168F022FNR	R168F023FNR	R168F025FNR	R168F026FNR
R168F027FNR	R168F028FNR	R168F031FNR	R177D016FNR
R177D018FNR	R177D019FNR	R177D021FNR	R177D027FNR
R177D030FNR	R177D033FNR	R1A2D504FNR	R1B0F012FNR
R1B4F502FNR	R1B5D017FNR	R1B5D020FNR	R1B5D034FNR
R1B5D037FNR	R1B5D039FNR	R1B5D041FNR	R1B5D042FNR
R1B5D043FNR	R1B5D044FNR	R21001FNAR	R21003FNAR
R21005FNAR	R21204FNAR	R22207FNAR	R22211FNAR
R25615FN	R25628FNAR	R25629FNAR	R25630FNAR
R25631FNAR	R25632FNAR	R25831FNAR	R25834FNAR
R25835FNAR	R25836FNAR	R25837FNAR	R25838FNAR
R31015FNAR	R31302FNS	R31403PQQ	R32101AFNSR
R32204FNAR	R33219FNSR	R33220FNSR	R33222FNSR
R33223FNSR	R3C005FNA	R3C005FNAR	R3C006FNAR
R40302PQQ	R40303PQQ	R41031FNQR	R41032FNQR
R42202FNA	R44211FNA	R44212FNA	R44214FNA
R45609FNQR	R45610FNAR	R45612FNAR	R50509FNA
R50633FNAR	R50640FNAR	R50642FNAR	R50643FNA
R50646FNAR	R50647FNAR	R50648FNAR	R51005FNAR
R51006FNQR	R51008FNQR	R51009FNAR	R51202FNR
R51205FNR	R512F004FNAR	R51506PGQ	R51506PGQR
R51704FN	R51705FN	R51706FN	R51707FN
R51708FN	R51709FN	R51710FN	R51770FN
R51904PGQ	R51904PGQR	R51905PGQR	R51906PGQR
R51907PGQR	R51908PGQR	R51909PGQR	R51910PGQR
R52221FNAR	R52224FNAR	R52227FNA	R52228FNAR
R52307FN	R52308FN	R52309FN	R52310FN
R53201FNR	R54209FNAR	R54213FNAR	R54215FNA
R54216FNAR	R55208FNA	R55622FNT	R5580502FNA
R5580503FNA	R5580504FNA	R55811FNA	R55812FNAR
R55814FNT	R55815FNT	R873001FNA	RAA00509YFNMA
RAEGL2330PBM	RAEGL2330PBM	RAEGL2332PBM	RD100504FN
RD100504FNR	RD220505FNR	RD220506FN	RD420508FNR
RD560504FN	RD580000FN	RD580505FNR	RDC00001FN

ROP101116FNR	ROP101117FNR	ROP1011210PN	S1016007FNR
S1016009FNR	S1016011FNR	S1016012FNR	S1016013FNR
S1016015FNR	S1016016FNR	S1016017FNR	S1016018FNR
S1016021FNR	S1016022FNR	S1016023FNR	S1016024FNR
S1016025FNR	S1016026FNR	S1016028FNR	S1016029FNR
S10A7009FNR	S10A7019FNR	S10A7023FNR	S10A7029FNR
S10A7030FNR	S10A7031FNR	S10A7032FNR	S10A7033FNR
S10A7034FNR	S10C4019FNR	S10C4024FNR	S10C4031FNR
S10C4032FNR	S10C4033FNR	S10C4034FNR	S10C4035FNR
S10C4036FNR	S10C5014FNR	S10C5019FNR	S10C5021FNR
S10C5030FNR	S10C5032FNR	S10C5033FNR	S10C5034FNR
S10C5035FNR	S10D2009FNR	S10D2012FNR	S1116009PJR
S1116010PJR	S1116011PJR	S1116012PJR	S1E05003PGR
S1E05007PGR	S1E05011PGR	S1E05012PGR	S1E05013PGR
S1E05014PGR	S1E05015PGR	S1E05016PGR	S1E05017PGR
S1E05018PGR	S1E05019PGR	S1E05020PGR	S1E05021PGR
S1F35013PGR	S1F35016PGR	S1F35017PGR	S1F35018PGR
S1F35019PGR	S1F35020PGR	S1F35021PGR	S1F35023PGR
S1F35025PGR	S1F35026PGR	S1F35030PGR	S1F35032PGR
S1F35034PGR	S1F35035PGR	S1F35036PGR	S1F35037PGR
S1F35038PGR	S1F35039PGR	S1F35040PGR	S1F35041PGR
S1F36003PGR	S426CSF113PJMR	S426CSF217PJMR	S4A26F17FNQR
S4A26F18FNQR	S4A26F19FNQR	S4A26F27FNQR	S4A26F28FNQR
S4B57097PJR	S4B57102PJR	S4B5A087PJR	S4B5A089PJR
S4B5A091PJR	S4B5A092PJR	S4B5A094PJR	S4B5A095PJR
S4B5A098PJR	S4B5A101PJR	S4B5A106PJR	S4B5A107PJR
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S4B5A112PJR	S4B5A115PJR	S4D26CSF52PJMR	S4D26CSF79PJMR
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