Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA - 95054

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **L0203-10R2** DATE: April 2, 2003
Product Affected: Please see attachment for the product list

Date Effective: July 15, 2002

MEANS OF DISTINGUISHING CHANGED DEVICES:
- ☐ Product Mark
- ☐ Back Mark
- ■ Date Code See attached list for New Steppings
- ☐ Other

Contact: Bimla Paul
Title: Quality Assurance Manager
Phone #: (408)-654-6419
Fax #: (408)-492-8362
E-mail: bimla.paul@idt.com

Attachment:: ■ Yes ☐ No

Samples: Available upon request.

DESCRIPTION AND PURPOSE OF CHANGE:

- ☐ Die Technology
- ☐ Wafer Fabrication Process
- ☐ Assembly Process
- ☐ Equipment
- ☐ Material
- ☐ Testing
- ■ Manufacturing Site
- ☐ Data Sheet
- ☐ Other

To consolidate wafer fab production from Salinas, California (Fab 2) to Hillsboro, Oregon (Fab 4), these qualified Logic products will be transferred to IDT's wafer fab facility in Hillsboro, Oregon. There is no change in die technology.

PCN Addendum:
In this PCN Addendum, products with multiple die options have been added. These products were inadvertently left from the original list.

PCN Effective Date is same as the original PCN # L0203-10

RELIABILITY/QUALIFICATION SUMMARY:
Please see attached Qualification Data.

CUSTOMER ACKNOWLEDGMENT OF RECEIPT:
IDT records indicate that you require written notification of this change. Please use the acknowledgement below or E-Mail to grant approval or request additional information. If IDT does not receive acknowledgement within 30 days of this notice it will be assumed that this change is acceptable.
IDT reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Customer: _____ ☐ ***Approval for shipments prior to effective date.***

Name/Date: _____ E-Mail Address: _____

Title: _____ Phone# /Fax# : _____

CUSTOMER COMMENTS: _____

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: DATE:

Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA - 95054

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT - PCN #: L0203-10R2

PCN Type: Fab Site Change

Data Sheet Change: None

Detail of Change: Transfer existing qualified products from Salinas, California Wafer Fab Facility (Fab 2) to Hillsboro, Oregon Wafer Fab Facility (Fab 4).

The Following devices are affected by this change. All packages and speed grades are affected except as noted.

First PCN Addendum: Selected products have been obsoleted by PDN # **L-02-01, L-02-02, L-02-03 & L-02-04**. In addition, four parts have stepping revised from Z to **CG4**.

Second PCN Addendum: Four additional devices have been added on page 7.
PCN Effective Date is same as the original PCN # L0203-10

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN #)
IDT2305	CD	CD4	CD4
IDT2308	CD	CD4	CD4
IDT2309	CD	CD4	CD4
IDT49FCT3805D/E *(Note 1)*	Z	Z4	Z4
IDT5T9950A	CG	Z	**CG4**
IDT5T995A	CG	Z	**CG4**
IDT5V926	Z	Z4	Z4
IDT5V927	Z	Z4	Z4
IDT5V928	Z	Z4	Z4
IDT5V994	Z	Z4	Z4
IDT5V995	CG	Z	**CG4**
IDT5V9950	CG	Z	**CG4**
IDT74ALVC162244	A	A4	A4
IDT74ALVC162245	A	A4	A4
IDT74ALVC162268	A	A4	**L-02-04**

NOTE 1: ONLY "D" AND "E" SPEEDS ARE AFFECTED BY THIS CHANGE.

Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA - 95054

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT - PCN #: L0203-10R2

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDT74ALVC162334	A	A4	A4
IDT74ALVC162344	A	A4	A4
IDT74ALVC16244	A	A4	A4
IDT74ALVC16245	A	A4	A4
IDT74ALVC16260	A	A4	**L-02-04**
IDT74ALVC162830	AB	AB4	**L-02-02**
IDT74ALVC162831	AB	AB4	**L-02-02**
IDT74ALVC162834	A	A4	**L-02-04**
IDT74ALVC162835	A	A4	A4
IDT74ALVC162836	A	A4	A4
IDT74ALVC16334	A	A4	**L-02-04**
IDT74ALVC16344	A	A4	**L-02-04**
IDT74ALVC16646	A	A4	**L-02-04**
IDT74ALVC16820	A	A4	**L-02-02**
IDT74ALVC16830	AB	AB4	**L-02-02**
IDT74ALVC16831	AB	AB4	**L-02-02**
IDT74ALVC16834	A	A4	**L-02-04**
IDT74ALVC16835	A	A4	A4
IDT74ALVC16836	A	A4	**L-02-04**
IDT74ALVC16841	A	A4	A4
IDT74ALVC1G00	AG	AG4	**L-02-01**
IDT74ALVC1G02	AG	AG4	**L-02-01**
IDT74ALVC1G04	AG	AG4	**L-02-01**
IDT74ALVC1G06	AG	AG4	**L-02-01**
IDT74ALVC1G07	AG	AG4	**L-02-01**
IDT74ALVC1G08	AG	AG4	**L-02-01**

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDT74ALVC1G125	AG	AG4	**L-02-01**
IDT74ALVC1G126	AG	AG4	**L-02-01**
IDT74ALVC1G32	AG	AG4	**L-02-01**
IDT74ALVC1G79	AG	AG4	**L-02-01**
IDT74ALVC1G86	AG	AG4	**L-02-01**
IDT74ALVC1GU04	AG	AG4	**L-02-01**
IDT74ALVCH162244	A	A4	A4
IDT74ALVCH162245	A	A4	A4
IDT74ALVCH162260	A	A4	**L-02-04**
IDT74ALVCH162268	A	A4	A4
IDT74ALVCH162334	A	A4	**L-02-04**
IDT74ALVCH162344	A	A4	**L-02-04**
IDT74ALVCH162373	A	A4	A4
IDT74ALVCH162374	A	A4	A4
IDT74ALVCH16240	A	A4	**L-02-04**
IDT74ALVCH16244	A	A4	A4
IDT74ALVCH16245	A	A4	A4
IDT74ALVCH162525	A	A4	**L-02-04**
IDT74ALVCH16260	A	A4	A4
IDT74ALVCH162601	A	A4	**L-02-04**
IDT74ALVCH16269	A	A4	**L-02-04**
IDT74ALVCH16270	A	A4	A4
IDT74ALVCH16271	A	A4	**L-02-04**
IDT74ALVCH162721	A	A4	A4
IDT74ALVCH16276	A	A4	A4

Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA - 95054

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT - PCN #: L0203-10R2

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDT74ALVCH162820	A	A4	A4
IDT74ALVCH162821	A	A4	**L-02-04**
IDT74ALVCH162825	A	A4	**L-02-02**
IDT74ALVCH162827	A	A4	**L-02-04**
IDT74ALVCH162830	AB	AB4	**L-02-04**
IDT74ALVCH162831	AB	AB4	**L-02-02**
IDT74ALVCH162832	AB	AB4	**L-02-02**
IDT74ALVCH162835	A	A4	**L-02-04**
IDT74ALVCH162836	A	A4	**L-02-04**
IDT74ALVCH162841	A	A4	**L-02-02**
IDT74ALVCH16334	A	A4	**L-02-02**
IDT74ALVCH16344	A	A4	**L-02-02**
IDT74ALVCH16345	A	A4	A4
IDT74ALVCH16373	A	A4	A4
IDT74ALVCH16374	A	A4	A4
IDT74ALVCH16409	A	A4	**L-02-04**
IDT74ALVCH16500	A	A4	**L-02-04**
IDT74ALVCH16501	A	A4	A4
IDT74ALVCH16524	A	A4	**L-02-02**
IDT74ALVCH16525	A	A4	**L-02-02**
IDT74ALVCH16540	A	A4	**L-02-02**
IDT74ALVCH16543	A	A4	**L-02-04**
IDT74ALVCH16600	A	A4	**L-02-02**
IDT74ALVCH16601	A	A4	A4
IDT74ALVCH16646	A	A4	A4

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDT74ALVCH16652	A	A4	A4
IDT74ALVCH16701	A	A4	**L-02-02**
IDT74ALVCH16721	A	A4	A4
IDT74ALVCH16820	A	A4	**L-02-02**
IDT74ALVCH16821	A	A4	**L-02-04**
IDT74ALVCH16823	A	A4	A4
IDT74ALVCH16825	A	A4	**L-02-04**
IDT74ALVCH16827	A	A4	**L-02-04**
IDT74ALVCH16830	AB	AB4	**L-02-02**
IDT74ALVCH16831	AB	AB4	**L-02-02**
IDT74ALVCH16832	AB	AB4	AB4
IDT74ALVCH16835	A	A4	**L-02-04**
IDT74ALVCH16836	A	A4	A4
IDT74ALVCH16841	A	A4	**L-02-04**
IDT74ALVCH16843	A	A4	**L-02-02**
IDT74ALVCH16863	A	A4	A4
IDT74ALVCH16901	AB	AB4	AB4
IDT74ALVCH16903	A	A4	A4
IDT74ALVCH16952	A	A4	A4
IDT74ALVCH32244	A	A4	A4
IDT74ALVCH32245	A	A4	A4
IDT74ALVCH32373	A	A4	A4
IDT74ALVCH32374	A	A4	A4
IDT74ALVCH32501	A	A4	**L-02-04**
IDT74ALVCHR162245	A	A4	A4

Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA - 95054

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT - PCN #: L0203-10R2

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDT74ALVCHR162269	A	A4	A4
IDT74ALVCHR16260	A	A4	**L-02-02**
IDT74ALVCHR16270	A	A4	**L-02-02**
IDT74ALVCHR16409	A	A4	**L-02-02**
IDT74ALVCHR16500	A	A4	**L-02-02**
IDT74ALVCHR16501	A	A4	A4
IDT74ALVCHR16543	A	A4	**L-02-02**
IDT74ALVCHR16601	A	A4	A4
IDT74CBTLV3125	SA	SA4	SA4
IDT74CBTLV3126	SA	SA4	SA4
IDT74CBTLV3244	SA	SA4	SA4
IDT74CBTLV3245	SA	SA4	SA4
IDT74CBTLV3251	SA	SA4	SA4
IDT74CBTLV3253	SA	SA4	SA4
IDT74CBTLV3257	SA	SA4	SA4
IDT74CBTLV3384	SA	SA4	SA4
IDT74CBTLV3861	SA	SA4	SA4
IDT74CBTLV3862	SA	SA4	SA4
IDT74CBTLV6800	SA	SA4	SA4
IDT74FCT163244	X	X4	X4
IDT74FCT163245	X	X4	X4
IDT74FCT163344	X	X4	X4
IDT74FCT163373	X	X4	X4

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDT74FCT163374	X	X4	X4
IDT74FCT163501	X	X4	X4
IDT74FCT163543	X	X4	X4
IDT74FCT163601	X	X4	X4
IDT74FCT163646	X	X4	X4
IDT74FCT163827	X	X4	X4
IDT74FCT163952	X	X4	X4
IDT74FCT3807D/E *(Note 1)*	Z	Z4	Z4
IDT74GTLP16612	TA	TA4	TA4
IDT74LVC07	XT	XT4	XT4
IDT74LVC08	XT	XT4	XT4
IDT74LVC109	XT	XT4	**L-02-04**
IDT74LVC11	XT	XT4	XT4
IDT74LVC112	XT	XT4	XT4
IDT74LVC125	XT	XT4	XT4
IDT74LVC126	XT	XT4	**L-02-04**
IDT74LVC137	XT	XT4	**L-02-02**
IDT74LVC138	XT	XT4	XT4
IDT74LVC139	XT	XT4	**L-02-04**
IDT74LVC14	XT	XT4	**L-02-04**
IDT74LVC157	XT	XT4	XT4
IDT74LVC161	XT	XT4	XT4

NOTE 1: ONLY "D" AND "E" SPEEDS ARE AFFECTED BY THIS CHANGE.

Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA - 95054

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT - PCN #: L0203-10R2

	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDT74LVC162244	X	X4	X4
IDT74LVC162245	X	X4	X4
IDT74LVC162374	X	X4	X4
IDT74LVC16240	X	X4	**L-02-04**
IDT74LVC16241	X	X4	**L-02-04**
IDT74LVC16244	X	X4	X4
IDT74LVC16245	X	X4	X4
IDT74LVC162827	X	X4	**L-02-04**
IDT74LVC163	XT	XT4	XT4
IDT74LVC16344	X	X4	X4
IDT74LVC16373	X	X4	X4
IDT74LVC16374	X	X4	X4
IDT74LVC16500	X	X4	**L-02-02**
IDT74LVC16501	X	X4	X4
IDT74LVC16540	X	X4	**L-02-02**
IDT74LVC16541	X	X4	**L-02-04**
IDT74LVC16543	X	X4	**L-02-04**
IDT74LVC16601	X	X4	X4
IDT74LVC16646	X	X4	X4
IDT74LVC16652	X	X4	**L-02-04**
IDT74LVC16821	X	X4	**L-02-04**
IDT74LVC16823	X	X4	X4
IDT74LVC16827	X	X4	X4
IDT74LVC16841	X	X4	**L-02-04**
IDT74LVC169	XT	XT4	**L-02-02**

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDT74LVC16952	X	X4	X4
IDT74LVC16Z646	X	X4	**L-02-04**
IDT74LVC1G00A	XY	XY4	**L-02-01**
IDT74LVC1G02A	XY	XY4	**L-02-01**
IDT74LVC1G04A	XY	XY4	**L-02-01**
IDT74LVC1G06A	XY	XY4	**L-02-01**
IDT74LVC1G07A	XY	XY4	**L-02-01**
IDT74LVC1G08A	XY	XY4	**L-02-01**
IDT74LVC1G125A	XY	XY4	**L-02-01**
IDT74LVC1G126A	XY	XY4	**L-02-01**
IDT74LVC1G32A	XY	XY4	**L-02-01**
IDT74LVC1G79A	XY	XY4	**L-02-01**
IDT74LVC1G86A	XY	XY4	**L-02-01**
IDT74LVC1GU04A	XY	XY4	**L-02-01**
IDT74LVC2244	E	E4	E4
IDT74LVC2245	E	E4	E4
IDT74LVC241	E	E4	**L-02-02**
IDT74LVC244	E	E4	E4
IDT74LVC245	E	E4	E4
IDT74LVC257	XT	XT4	XT4
IDT74LVC273	E	E4	E4
IDT74LVC2952	E	E4	**L-02-02**
IDT74LVC32	XT	XT4	XT4
IDT74LVC373	E	E4	E4
IDT74LVC374	E	E4	E4

Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA - 95054

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT - PCN #: L0203-10R2

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDT74LVC377	E	E4	E4
IDT74LVC541	E	E4	E4
IDT74LVC543	E	E4	**L-02-04**
IDT74LVC573	E	E4	E4
IDT74LVC574	E	E4	E4
IDT74LVC623	E	E4	**L-02-04**
IDT74LVC646	E	E4	**L-02-04**
IDT74LVC652	E	E4	**L-02-04**
IDT74LVC74	XT	XT4	XT4
IDT74LVC821	E	E4	**L-02-04**
IDT74LVC823	E	E4	E4
IDT74LVC827	E	E4	E4
IDT74LVC841	E	E4	**L-02-04**
IDT74LVC86	XT	XT4	**L-02-04**
IDT74LVC861	E	E4	E4
IDT74LVC863	E	E4	**L-02-02**
IDT74LVCH162244	X	X4	X4
IDT74LVCH162245	X	X4	X4
IDT74LVCH162373	X	X4	X4
IDT74LVCH162374	X	X4	X4
IDT74LVCH16240	X	X4	**L-02-04**
IDT74LVCH16241	X	X4	**L-02-02**
IDT74LVCH16244	X	X4	X4
IDT74LVCH16245	X	X4	X4
IDT74LVCH16260	X	X4	X4

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDT74LVCH162721	X	X4	X4
IDT74LVCH16276	X	X4	X4
IDT74LVCH162823	X	X4	X4
IDT74LVCH16344	X	X4	**L-02-02**
IDT74LVCH16373	X	X4	X4
IDT74LVCH16374	X	X4	X4
IDT74LVCH16501	X	X4	X4
IDT74LVCH16540	X	X4	**L-02-02**
IDT74LVCH16541	X	X4	**L-02-04**
IDT74LVCH16543	X	X4	X4
IDT74LVCH16601	X	X4	X4
IDT74LVCH16646	X	X4	X4
IDT74LVCH16652	X	X4	X4
IDT74LVCH16701	X	X4	**L-02-04**
IDT74LVCH16702	X	X4	**L-02-04**
IDT74LVCH16721	X	X4	**L-02-04**
IDT74LVCH16827	X	X4	X4
IDT74LVCH16952	X	X4	**L-02-04**
IDT74LVCH2244	E	E4	E4
IDT74LVCH2245	E	E4	E4
IDT74LVCH244	E	E4	E4
IDT74LVCH245	E	E4	E4
IDT74LVCH2541	E	E4	**L-02-04**
IDT74LVCH2573	E	E4	**L-02-04**
IDT74LVCH2574	E	E4	**L-02-02**

Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA - 95054

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT - PCN #: L0203-10R2

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDT74LVCH32244	X	X4	X4
IDT74LVCH32245	X	X4	X4
IDT74LVCH32373	X	X4	**L-02-04**
IDT74LVCH32374	X	X4	**L-02-04**
IDT74LVCH32501	X	X4	X4
IDT74LVCH373	E	E4	**L-02-02**
IDT74LVCH374	E	E4	**L-02-02**
IDT74LVCH573	E	E4	**L-02-04**
IDT74LVCH574	E	E4	**L-02-04**
IDT74LVCH646	E	E4	**L-02-02**
IDT74LVCHR162245	X	X4	X4
IDT74LVCHR16501	X	X4	X4
IDT74LVCHR16543	X	X4	**L-02-04**
IDT74LVCHR16646	X	X4	**L-02-04**
IDT74LVCHR16952	X	X4	X4
IDT74LVCR162245	X	X4	X4
IDT74LVCR16501	X	X4	**L-02-02**
IDT74LVCR16952	X	X4	X4
IDT74LVCR2245	E	E4	E4
IDT74LVCU04	XT	XT4	**L-02-04**
IDTCSPF2510C	PA	PA4	PA4
IDTQS3125	Y, QA	X	X
IDTQS32384	Z	Y	Y
IDTQS3245	Z, QE	Y	Y
IDTQS3253	Y, QA	X	X
IDTQS3257	Y, QA	X	X
IDTQS32X2384	Z, QE	Y	Y

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN#)
IDTQS32X245	Z, QE	Y	Y
IDTQS32X384	Z	Y	Y
IDTQS3384	Z	Y	Y
IDTQS33X253	Y, QA	X	X
IDTQS33X257	Y, QA	X	X
IDTQS34X245	Z, QE	Y	Y
IDTQS3800	Z, QG	Y	Y
IDTQS32X861	Z, QG	Y	Y
IDTQS3861	Z, QG	Y	Y
IDTQS32XL384	Z, QG	Y	Y
IDTQS3L384	Z, QG	Y	Y
IDTQS3R800	Z, QG	Y	**L-02-03**
IDTQS34XR800	Z, QG	Y	**L-02-03**
IDTQS3VH125	Z	Z4	Z4
IDTQS3VH126	Z	Z4	Z4
IDTQS3VH16210	Y	Y4	Y4
IDTQS3VH16211	Y	Y4	Y4
IDTQS3VH16212	Y	Y4	Y4
IDTQS3VH16233	Y	Y4	Y4
IDTQS3VH16244	Y	Y4	Y4
IDTQS3VH16245	Y	Y4	Y4
IDTQS3VH383	Y	Y4	Y4
IDTQS3VH16800	Y	Y4	Y4
IDTQS3VH16861	Y	Y4	Y4
IDTQS3VH16862	Y	Y4	Y4
IDTQS3VH2245	Z	Z4	Z4

Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA - 95054

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT - PCN #: L0203-10R2

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN)
IDTQS3VH244	Z	Z4	Z4
IDTQS3VH245	Z	Z4	Z4
IDTQS3VH251	Z	Z4	Z4
IDTQS3VH253	Z	Z4	Z4
IDTQS3VH257	Z	Z4	Z4
IDTQS3VH2861	Z	Z4	Z4
IDTQS3VH2862	Z	Z4	Z4
IDTQS3VH384	Z	Z4	Z4

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Stepping (or PDN)
IDTQS3VH800	Z	Z4	Z4
IDTQS3VH861	Z	Z4	Z4
IDTQS3VH862	Z	Z4	Z4
IDTQS4A101	Y, QA	X	X
IDTQS4A110	Z	Y	Y
IDTQS4A205	Y, QA	X	X
IDTQS4A210	Y, QA	X	X
IDTQS4A215	Y, QA	X	X

Qualification Plans: Following reliability tests were performed per Product Family and the qual test results are as follows:

	Required Sample/ # Fails	Qual Test Results Sample/ # Fails
Operating Life Test: Dynamic 1000 hrs @ 125°C or equivalent	116/0	116/0
Bake & Ballshear Test @ 200°C / 4 ball bonds per device	5/0	5/0
Temperature Cycling: (-65°C to +150°C, 500 cycles)	45/0	45/0
HAST: (Biased, 100 Hrs. @ +130°C, +85%RH)	45/0	45/0
ESD Human Body Model	3/0	3/0
ESD Charged Device Model	3/0	3/0
ESD Machine Model	3/0	3/0
Latch up: (Tested to 1.5X Vcc)	10/0	10/0

Characterization Data:
Characterization data is available upon request.