

PRODUCT/PROCESS CHANGE NOTICE (PCN)

Product Affected		DATE: 8/16/2004 attachment for the product list	MEANS OF DIS Product Marl Back Mark Date Code Other 	TINGUISHING CHANG c See attached list for Nev	
Date Effective:	August 16, 20	04			
Contact:	Bimla Paul			N/	
Title:	Quality Assura	-	Attachment::	Yes	L No
Phone #:	(408)-654-641				
Fax #:	(408)-492-836		Samples: A	vailable upon request.	
E-mail:	bimla.paul@id	lt.com			
 Die Technolog Wafer Fabrica Assembly Pro Equipment Material Testing Manufacturing Data Sheet Other 	gy ttion Process cess g Site QUALIFICAT	SE OF CHANGE: To upgrade the Fabrication I transfer wafer fab production There is no change in data sl <u>PCN Revision 1:</u> Due to declined market and prod revised. Please refer to the colur <u>PCN Revision 2:</u> Selected products will not be t <u>Selected products will be trans</u> FION SUMMARY: pation data	n from Salinas, Cal neet specifications. eess evolution, stat nn "Revised Status ransferred to Fab	lifornia (Fab 2) to Hillsbor us of selected devices has " in the attachment for de 4 due to sufficient existi	ro, Oregon (Fab 4). been tails. ng Fab 2 inventory.
Please see attachn	nent for qualifie	cation data.			
IDT records indi to grant approval it will be assume	cate that you re l or request add d that this chan right to ship ei	ther version manufactured after t	not receive acknow	ledgement within 30 days	of this notice
Customer:		□	Approval f	for shipments prior to	effective date.
Name/Date:		E	Mail Address:		
Title:		Pl	none# /Fax# :		
CUSTOMER C	OMMENTS:				

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY:



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT - PCN #: L0203-09R2

PCN Type: Process Technology Change & Fab Site Change

Data Sheet Change: None

Detail of Change: PCN # L0203-09 was previously issued on 4/15/02 to notify customers about upgrading the Fabrication Process Technologies on selected Logic products, and transfer wafer fab production from Salinas, California (Fab 2) to Hillsboro, Oregon (Fab 4). There is no change in data sheet specifications.

<u>Revision 1</u>: The products listed in the column labeled "Revised Status" are affected by the PCN as follow:

i. Three devices will be discontinued in October 2003 per PDN # L-02-04 due to declined market.

ii. Selected products that were previously specified as KB will be transferred to PB stepping.

iii. Selected products that were previously specified as KB will be transferred to Z stepping

iv. Selected products that are on hold due to existing inventory.

Revision 2:

- i. Selected products that were listed on hold per PCN # L0203-09R1 will not be transferred to Fab 4 due to sufficient existing Fab 2 inventory.
- ii. Selected products will be transferred to stepping "Z" in addition to stepping "PB". The changes are highlighted in the revised status column.

Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Status
IDT74FCT139T	К	KB	Z
IDT74FCT2244T	Κ	KB	Ζ
IDT74FCT2245T	Κ	KB	Ζ
IDT74FCT2373T	Κ	KB	Ζ
IDT74FCT2374T	K	KB	Z
IDT74FCT240T	К, Р	PB	PB
IDT74FCT244T	К, Р	PB	PB, Z
IDT74FCT245T	К, Р	PB	PB, Z
IDT74FCT3244	Κ	KB	PB, Z
IDT74FCT3245	Κ	KB	PB, Z
IDT74FCT3573	К	KB	Z



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Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Status
IDT74FCT373T	К, Р	PB	PB
IDT74FCT374T	К, Р	PB	PB
IDT74FCT377T	К, Р	PB	PB
IDT74FCT521	K	KB	Ζ
IDT74FCT521T	K	KB	PB, Z
IDT74FCT540T	К, Р	PB	PB
IDT74FCT573T	К, Р	PB	PB
IDT74FCT574T	К, Р	PB	PB
IDT74FCT652T	H, P	PB	PB
IDT74FCT823T	H, P	PB	PB
IDT74FCT543T	H, P	PB	PB
IDT49FCT805	K	KB	Ζ
IDT74FCT157T	Р	PB	PB
IDT74FCT257T	Р	PB	PB
IDT49FCT3805	Р	PB	PB
IDT49FCT805T	Р	PB	Ζ
IDT74FCT3807	Р	PB	PB
IDT74FCT807T	Р	PB	PB
IDT74FCT162240T	L, LZ	LB	LB
IDT74FCT162244T	Z, L, LZ, LZE	LB	LB
IDT74FCT162245T	L	LB	LB
IDT74FCT162373T	L, LZE	LB	LB
IDT74FCT162374T	L, LZE, Z	LB	LB
IDT74FCT16240T	L	LB	LB
IDT74FCT16244T	L	LB	LB
IDT74FCT16245T	L	LB	LB

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Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Status
IDT74FCT162H244T	L	LB	LB
IDT74FCT162H245T	L, LZ	LB	LB
IDT74FCT16373T	L, LZ	LB	LB
IDT74FCT16374T	L, LZ, Z	LB	LB
IDT74FCT166244T	L	LB	LB
IDT74FCT166245T	L	LB	LB
IDT74FST163209	D	DB	DB
IDT74FST163210	D	DB	L-02-04
IDT74FST163211	D	DB	DB
IDT74FST163212	D	DB	DB
IDT74FST163214	D	DB	DB
IDT74FST163232	D	DB	DB
IDT74FST163233	D	DB	DB
IDT74FST1632383	D	DB	DB
IDT74FST163244	D	DB	DB
IDT74FST163245	D	DB	DB
IDT74FST1632861	D	DB	DB
IDT74FST163292	D	DB	L-02-04
IDT74FST163383	D	DB	L-02-04
IDT74FST1632861	D	DB	DB
IDT74FST163P245	D	DB	DB
IDT74FST32XL2384	D	DB	DB
IDT74FST32XL384	D	DB	DB
IDT 74FST6800	F	FB	FB
IDT74FCT162260T	Ν	NB	NB



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Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Status	Part Number	Old Stepping (Fab 2)	New Stepping (Fab 4)	Revised Status
IDT74FCT162344T	Ν	NB	NB	IDT74FCT162H501T	Ν	NB	NB
IDT74FCT162500T	Ν	NB	NB	IDT74FCT162H952T	Ν	NB	NB
IDT74FCT162501T	Ν	NB	NB	IDT74FCT164245T	Ν	NB	NB
IDT74FCT162511T	Ν	NB	NB	IDT74FCT16500T	Ν	NB	NB
IDT74FCT162543T	Ν	NB	NB	IDT74FCT16501T	Ν	NB	NB
IDT74FCT162601T	Ν	NB	NB	IDT74FCT16543T	N, NE	NB	NB
IDT74FCT16260T	N, NE	NB	NB	IDT74FCT16601T	Ν	NB	NB
IDT74FCT162646T	Ν	NB	NB	IDT74FCT16646T	Ν	NB	NB
IDT74FCT162652T	Ν	NB	NB	IDT74FCT16652T	Ν	NB	NB
IDT74FCT162701T	Ν	NB	NB	IDT74FCT16823T	Ν	NB	NB
IDT74FCT162823T	Ν	NB	NB	IDT74FCT16827T	Ν	NB	NB
IDT74FCT162827T	Ν	NB	NB	IDT74FCT16841T	Ν	NB	NB
IDT74FCT162841T	Ν	NB	NB	IDT74FCT16952T	Ν	NB	NB
IDT74FCT162952T	Ν	NB	NB	IDT74FCT388915T	Ν	NB	NB
IDT74FCT162H272T	Ν	NB	NB	IDT74FCT88915TT	Ν	NB	NB

Qualification Plans:

Following reliability tests were performed per product family and the qualification 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.