



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: L0312-04 DATE: 12/17/03 Product Affected: IDT54FCT162245TEB IDT54FCT162245ATEB IDT54FCT162245CTEB Date Effective: March 16, 2004	MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input type="checkbox"/> Back Mark <input checked="" type="checkbox"/> Date Code Prefix (Stepping) change from "L" to "LB" <input type="checkbox"/> Other
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Contact: Bimla Paul Title: Quality Assurance Manager Phone #: (408)-654-6419 Fax #: (408)-492-8362 E-mail: bimla.paul@idt.com	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples: Available upon request.
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DESCRIPTION AND PURPOSE OF CHANGE:

<input type="checkbox"/> Die Technology	
<input type="checkbox"/> Wafer Fabrication Process	Fab location change to Hillsboro, Oregon (Fab 4) on these Military Grade Logic products.
<input type="checkbox"/> Assembly Process	
<input type="checkbox"/> Equipment	
<input type="checkbox"/> Material	The stepping will change from "L" to "LB". There is no change in data sheet specifications.
<input type="checkbox"/> Testing	
<input checked="" type="checkbox"/> Manufacturing Site	
<input type="checkbox"/> Data Sheet	
<input type="checkbox"/> Other	

RELIABILITY/QUALIFICATION SUMMARY:
Please see attachment for 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: _____	<input type="checkbox"/> <i>Approval for shipments prior to effective date.</i>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____

CUSTOMER COMMENTS: _____

IDT ACKNOWLEDGMENT OF RECEIPT:
 RECD. BY: _____ DATE: _____



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PCN Type: Fab Location Change

Data Sheet Change: None

Detail of Change: Fab location change to Hillsboro, Oregon (Fab 4) on these Military Grade Logic products.

The stepping will change from "L" to "LB". There is no change in data sheet specifications.

The following parts are affected by this change:

IDT Part Number	DSCC Part Number	Old Stepping	New Stepping
IDT54FCT162245TEB	5962-9227201MXA	L	LB
IDT54FCT162245ATEB	5962-9227202MXA	L	LB
IDT54FCT162245CTEB	5962-9227203MXA	L	LB

Conversion Schedule:

Die Revision

LB Stepping

Sample Availability:

Now

Production Shipment:

March 16, 2004



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Qualification Plans: Following reliability tests were performed on the Mil-Grade LB Stepping.
The qualification results are as follow:

Test Description	Test Method	Required Sample/ # Fails	LB Stepping (Mil-Grade)
Operating Life Test: Dynamic 184 hrs @ 150°C (Mil-Grade)	Mil-Std 883 Method 1005	116/0	116/0
ESD Human Body Model	Mil-Std 883 Method 3015	3/0	3,500V
Latch up: (Tested to 1.5X Vcc)	EIA/JESD STD-78	6/0	6/0