



Integrated Device Technology, Inc.
6024 Silver Creek Valley Road, San Jose, CA 95138

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: W0809-01 Product Affected: IDT70824, 70825 Date Effective: 19-Dec-2008	DATE: 19-Sep-2008	MEANS OF DISTINGUISHING CHANGED DEVICES: <input checked="" type="checkbox"/> Product Mark Top mark will show "4" after die rev <input type="checkbox"/> Back Mark <input type="checkbox"/> Date Code <input type="checkbox"/> Other
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Contact: Dennis Lantz Title: Quality Engineer Phone #: (408) 284-4597 Fax #: (408) 284-1450 E-mail: Dennis.Lantz@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 <input type="checkbox"/> Assembly Process <input type="checkbox"/> Equipment <input type="checkbox"/> Material <input type="checkbox"/> Testing <input checked="" type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input type="checkbox"/> Other	<p>This PCN is to document wafer fab production from Salinas, California (Fab 2) to Hillsboro, Oregon (Fab 4).</p> <p>Attachment I details the qualification data for this change and Attachment II shows the affected list of part numbers.</p>
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RELIABILITY/QUALIFICATION SUMMARY:
Refer to the attached qualification summary.

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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ATTACHMENT I - PCN #: W0809-01

PCN Type: Fab site change

Data Sheet Change: None

Detail of Change: This notification is to advise our customers on the transfer of the existing qualified products from Salinas, California IDT wafer fab facility (Fab 2) to Hillsboro, Oregon IDT wafer fab facility (Fab 4).

Table 1 as shown below depicts the comparizon between old and new fab site.

Description	Old Fab	New Fab
Die Revision	Z	Z4
Wafer Fab	Fab 2	Fab 4
Fab Technology	CeMOS 8	CeMOS 8
# Poly Layers	2	2
# Metal Layers	2	2
Minimum Gate Length (μm)	0.60	0.60
Die Dimensions (μm^2)	5300x8240	5300x8240

Sample Availability: Now. Contact sales to request samples.



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ATTACHMENT I - PCN #: W0809-01

Qualification Plan #: QSM-0801-01

Test Vehicle: 70825Z4

Qualification Test Plan and Result:

Test Description	Test Method (Latest specs in effect)	Test Results SS / Rej
High Temperature Operating Life (Dynamic) (+125°C @ 1000 hours or equivalent)	JESD22-A108	114/0
Highly Accelerated Stress Test *(Biased, @ +130°C, +85%RH, 100 hours)	JESD22-A110	45/0
Temperature Cycling *(-55°C to +125°C, 1000 cycles)	JESD22-A104	45/0
ESD: Human Body Model @ 2000 Volts	MIL-STD 883 Method 3015	9/0
ESD: Charged Device Model @ 500 Volts	JEDEC 22-101	6/0
Latch-up (+ - I and V stress, + - 100mA Trigger)	EIA/JESD78	6/0

* Preconditioning per JESD22-A113 Level 3



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ATTACHMENT II - PCN #: W0809-01

Affected Part Number

IDT Part Number	IDT Part Number	IDT Part Number	IDT Part Number
IDT70824L20PF	IDT70824S20PF8	IDT70825L20PFI8	IDT70825S20PF
IDT70824L20PF8	IDT70824S25PF	IDT70825L25G	IDT70825S20PF8
IDT70824L20PFG	IDT70824S25PF8	IDT70825L25PF	IDT70825S25G
IDT70824L20PFG8	IDT70824S35PF	IDT70825L25PF8	IDT70825S25PF
IDT70824L25PF	IDT70824S35PF8	IDT70825L25PFGI	IDT70825S25PF8
IDT70824L25PF8	IDT70824S45PF	IDT70825L25PFGI8	IDT70825S25PFI
IDT70824L25PFI	IDT70824S45PF8	IDT70825L35G	IDT70825S25PFI8
IDT70824L25PFI8	IDT70825L20G	IDT70825L35PF	IDT70825S35G
IDT70824L35PF	IDT70825L20PF	IDT70825L35PF8	IDT70825S35PF
IDT70824L35PF8	IDT70825L20PF8	IDT70825L45G	IDT70825S35PF8
IDT70824L45PF	IDT70825L20PFG	IDT70825L45PF	IDT70825S45G
IDT70824L45PF8	IDT70825L20PFG8	IDT70825L45PF8	IDT70825S45PF
IDT70824S20PF	IDT70825L20PFI	IDT70825S20G	IDT70825S45PF8