



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **W-0609-01** DATE: **3/28/2007**
Product Affected: **IDT7050, IDT7052, IDT7054 Family**

MEANS OF DISTINGUISHING CHANGED DEVICES:

- Product Mark
- Back Mark
- Date Code Top mark will show "Y4" die revision.
- Other

Date Effective: **6/28/2007**

Contact: Dennis Lantz
Title: Quality Engineer
Phone #: (408) 284-4597
Fax #: (408) 284-1450
E-mail: Dennis.Lantz@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

This PCN is to document wafer fab production from Salinas, California (Fab 2) to Hillsboro, Oregon (Fab 4). There will be no change in manufacturing technology.

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: _____

Approval for shipments prior to effective date.

Name/Date: _____

E-Mail Address: _____

Title: _____

Phone # /Fax #: _____

CUSTOMER COMMENTS: _____

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: _____

DATE: _____



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PCN Type: Fab site change.

Data Sheet Change: None

Detail of Change: Transfer existing qualified products from Salinas, California IDT wafer fab facility (Fab 2) to Hillsboro, Oregon IDT wafer fab facility (Fab 4).

Product	7050/7052/7054Y	7050/7052/7054Y4
Die Revision	Y	Y4
Wafer Fab	Fab 2	Fab 4
Fab Technology	CMOS 8	CMOS 8
# Poly Layers	2	2
# Metal Layers	2	2
Minimum Gate Length	0.60um	0.60um
Die Dimensions (k sq. mils)	21.8	21.8

Sample Availability: Now. Contact sales to request samples.

Production Shipments: June 28, 2007

Production Information:

Part Number	Current Die Rev	New Die Rev
IDT7050L25G	Y	Y4
IDT7050L25PQF	Y	Y4
IDT7050L35PQF	Y	Y4
IDT7050S25PQF	Y	Y4
IDT7050S35G	Y	Y4
IDT7050S35PQF	Y	Y4
IDT7052L20G	Y	Y4
IDT7052L20PF	Y	Y4
IDT7052L20PFG	Y	Y4
IDT7052L20PQF	Y	Y4
IDT7052L20PQFG	Y	Y4
IDT7052L25G	Y	Y4
IDT7052L25PF	Y	Y4
IDT7052L25PFI	Y	Y4
IDT7052L25PQF	Y	Y4
IDT7052L25PQFI	Y	Y4
IDT7052L30GB	Y	Y4
IDT7052L35G	Y	Y4
IDT7052L35GB	Y	Y4
IDT7052L35PF	Y	Y4
IDT7052L35PQF	Y	Y4
IDT7052S20G	Y	Y4
IDT7052S20PF	Y	Y4
IDT7052S20PQF	Y	Y4
IDT7052S25G	Y	Y4



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Part Number	Current Die Rev	New Die Rev
IDT7052S25PF	Y	Y4
IDT7052S25PQF	Y	Y4
IDT7052S30GB	Y	Y4
IDT7052S35G	Y	Y4
IDT7052S35GB	Y	Y4
IDT7052S35PF	Y	Y4
IDT7052S35PQF	Y	Y4
IDT7052S35PQFI	Y	Y4
IDT7054L20G	Y	Y4
IDT7054L20PRF	Y	Y4
IDT7054L25G	Y	Y4
IDT7054L25PRF	Y	Y4
IDT7054L25PRFI	Y	Y4
IDT7054L35G	Y	Y4
IDT7054L35PRF	Y	Y4
IDT7054S20G	Y	Y4
IDT7054S20PRF	Y	Y4
IDT7054S25G	Y	Y4
IDT7054S25PRF	Y	Y4
IDT7054S25PRFG	Y	Y4
IDT7054S25PRFI	Y	Y4
IDT7054S35G	Y	Y4
IDT7054S35PRF	Y	Y4

Notes: For T & R (shipping method) "8" is added to the orderable part number



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Qualification Plan #: QSM-0607-01

Qualification Results

Test Description	Test Method (Latest specs in effect)	Sample Size	Test Results SS / Rej
High Temperature Operating Lifetest (Dynamic) (150 °C, 1000 hours)	JESD22-A108	117	117/0
ESD: Human Body Model	MIL-STD 883 Method 3015	3	3/0 1500V
ESD: Charged Device Model	JEDEC 22-101	3	3/0 1000V
Latch-up	EIA/JESD78	6	6/0