



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

| | |
|--|---|
| PCN #: F-0403-08 DATE: 3/17/04 Product Affected: IDT7207, IDT7208 Date Effective: 6/17/04 | MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input type="checkbox"/> Back Mark <input checked="" type="checkbox"/> Date Code "Y" Prefix <input type="checkbox"/> Other |
|--|---|

| | |
|--|--|
| Contact: Dasharath Patel Title: Quality Assurance Manager Phone #: (408) 330-1488 Fax #: (408) 330-1450 E-mail: Dasharath.Patel@idt.com | Attachment:: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples: Refer to page 2 |
|--|--|

DESCRIPTION AND PURPOSE OF CHANGE:

| | |
|---|--|
| <input checked="" 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 | As a part of IDT's consolidation of wafer fab manufacturing operations, the devices listed above are transferred from FAB 2 (Salinas, CA) to FAB 4 (Hillsboro, OR). The process technology has been upgraded from CeMOS 7 to CeMOS 8. There is no change to data sheet specifications. |
|---|--|

RELIABILITY/QUALIFICATION SUMMARY:
 Device qualification is in progress and will verify that there is no change to the device reliability.

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"/> 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 Summary

PCN Type: Process Technology Upgrade and Wafer Fabrication Site Change
Commodity: FIFO
Forecast or Execute: Execute
Planned or Unplanned: Planned
Data Sheet Change: None

Detail of Change:

Starting 5/18/2004, customers will receive material manufactured either at FAB 2 or FAB 4. Please see below for means of distinguishing inventory.

| | | | |
|---------------------|--------|------------|---------------|
| FAB 2 material mark | Z-Step | Date Code: | Zyyww |
| FAB 4 material mark | Y-Step | Date Code: | Yyyww |
| | | yy: Year | ww: Work Week |

| Die Revision (stepping) | Z | Y |
|---------------------------|-----------------|-----------------|
| Wafer Fab | Fab 2 | Fab 4 |
| Fab Technology | CeMOS7 | CeMOS8 |
| # Poly Layers | 2 | 2 |
| # Metal Layers | 1 | 1 |
| Minimum Gate Length | 0.64 μ | 0.6 μ |
| | IDT7207: 63.4K | IDT7207: 63.4K |
| Die Dimensions (sq. mils) | IDT7208: 101.5K | IDT7208: 101.5K |

Note: All speed grades and package types are affected. Please refer to the ordering information given in the datasheet for specific part number.

Sample Availability: Beginning 05/18/04

Production Shipments Customer shipments for this die revision will start 05/18/2004 unless specifically requested.



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Product Details

IDT Part Number

IDT7207L15D
IDT7207L15J
IDT7207L15J8
IDT7207L15P
IDT7207L20D
IDT7207L20DB
IDT7207L20J
IDT7207L20J8
IDT7207L20LB
IDT7207L20LB8
IDT7207L20P
IDT7207L25D
IDT7207L25J
IDT7207L25J8
IDT7207L25JI
IDT7207L25JI8
IDT7207L25P

IDT Part Number

IDT7207L25PI
IDT7207L30DB
IDT7207L30LB
IDT7207L30LB8
IDT7207L35D
IDT7207L35J
IDT7207L35J8
IDT7207L35P
IDT7207L50D
IDT7207L50DB
IDT7207L50J
IDT7207L50J8
IDT7207L50LB
IDT7207L50LB8
IDT7207L50P
IDT7207L25LB
IDT7207L20DB/6351

IDT Part Number

IDT7208L20J
IDT7208L20J8
IDT7208L20P
IDT7208L25J
IDT7208L25J8
IDT7208L25JI
IDT7208L25JI8
IDT7208L25P
IDT7208L25PI
IDT7208L35J
IDT7208L35J8
IDT7208L35P

Qualification Plans: QFI-03-15, QFI-03-16

Test Vehicle: IDT7207Y, IDT7208Y

| Test Description/Condition | Test Methods | IDT7207Y | IDT7208Y | Expected Completion |
|---|--------------------------|-----------------------|-----------------------|---------------------|
| | | Required SS / # Fails | Required SS / # Fails | |
| Temperature Cycling (-65°C to +150°C, 500 cyc) | MIL-STD-883, Method 1010 | 45 / 0 | 45 / 0 | 5/1/04 |
| Life Test (+125°C, 1000 hrs) | MIL-STD-883, Method 1005 | 116 / 0 | 116 / 0 | 5/1/04 |
| Latch-Up Immunity (+ - I and V stress, + - 100mA Trigger) | EIA/JESD 78 | 10 / 0 | 10 / 0 | 5/1/04 |
| ESD Human Body Model | MIL-STD-883, Method 3015 | 3 / 0 | 3 / 0 | 5/1/04 |
| ESD Charge Device Model | JESD22-C101 | 3 / 0 | 3 / 0 | 5/1/04 |