



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **L0404-02**

DATE: 5/24/2004

Product Affected: IDT 5V2305

Date Effective: 8/24/2004

### MEANS OF DISTINGUISHING CHANGED DEVICES:

☐ Product Mark

☐ Back Mark

☒ Date Code

Date Code of 0435 or later

☐ Other

Contact: Bimla Paul

Title: Product Assurance Manager

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E-mail: [bimla.paul@idt.com](mailto:bimla.paul@idt.com)

Attachment: ☒ Yes

☐ No

Samples:

### DESCRIPTION AND PURPOSE OF CHANGE:

☐ Die Technology

☐ Wafer Fabrication Process

☐ Assembly Process

☐ Equipment

☐ Material

☐ Testing

☐ Manufacturing Site

☒ Data Sheet

☐ Other

To revise selected timing parameters to reflect device characterization. This is a data sheet change only and does not reflect any process or product changes.

### RELIABILITY/QUALIFICATION SUMMARY:

N/A

### 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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### ATTACHMENT - PCN #: L0404-02

**PCN Type:** Data Sheet

**Data Sheet Change:** Yes

#### Detail of Change:

| OPERATION    | DATA SHEET PARAMETER                | OLD VALUE      | NEW VALUE        |
|--------------|-------------------------------------|----------------|------------------|
| <b>3.3 V</b> | pg 5 Tsk(o) - Output Skew, Yx to Yx | 50ps           | 75ps             |
|              | pg 5 Tsk(p) - Pulse Skew            | 300ps          | 200ps            |
|              | pg 5 Tr - Rise Time                 | 0.7 - 2. V/ns  | 0.7 - 2.3 V/ns   |
|              | pg 5 Tf - Fall Time                 | 0.7 - 2. V/ns  | 0.7 - 2.3 V/ns   |
| <b>2.5V</b>  | pg 5 Tplh and Tphl - CLK to Yx      | 1.5 - 3.5 ns   | 1.5 - 3.0 ns     |
|              | pg 5 Tsk(o) - Output Skew, Yx to Yx | 75ps           | 100ps            |
|              | pg 5 Tsk(p) - Pulse Skew            | 700ps          | 350ps            |
|              | pg 5 Tr - Rise Time                 | 0.4 - 1.4 V/ns | 0.4 - 1.625 V/ns |
|              | pg 5 Tf - Fall Time                 | 0.4 - 1.4 V/ns | 0.4 - 1.625 V/ns |