



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: N0904-01 DATE: May 12, 2009 Product Affected: 843004AGI-01, 843004AGI-01LF Date Effective: August 12, 2009	MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input type="checkbox"/> Back Mark <input checked="" type="checkbox"/> Date Code 0933 and above <input checked="" type="checkbox"/> Other Ink or Laser Dot for older datecodes.
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Contact: Rodney Corpuz Title: Product Quality Assurance Phone #: (408) 284-8261 Fax #: (408) 284-1450 E-mail: rcorpuz@idt.com	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples: Available now
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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 checked="" type="checkbox"/> Testing <input type="checkbox"/> Manufacturing Site <input checked="" type="checkbox"/> Data Sheet <input type="checkbox"/> Other	This notification is to advise our customers that IDT will be updating the datasheet and test parameters for device 843004I-01. There is a change to V_{ol} and V_{swing} parameters at 2.5V
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RELIABILITY/QUALIFICATION SUMMARY:

There is no expected change to the product quality or reliability performance.

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 90 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: _____



PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : N0904-01

PCN Type: Product Line

Data Sheet Change: Yes

Details Of Change:

This notification is to advise our customers that IDT will be updating the datasheet and test parameter of device 843004I-01 to reflect the correct parameters of the device performance at 2.5V for V_{OL} maximum and V_{swing} minimum. There is no change to the die. This is a datasheet spec change only. The test program will be changed to test to these conditions.

Current: (2.5V will be shown in a separate table)

TABLE 3D. LVPECL DC CHARACTERISTICS, $V_{CC} = V_{CCA} = V_{CCO} = 3.3V \pm 5\%$ ~~OR 2.5V $\pm 5\%$~~ , $T_A = -40^{\circ}C$ TO $85^{\circ}C$

Symbol	Parameter	Test Conditions	Minimum	Typical	Maximum	Units
V_{OH}	Output High Voltage; NOTE 1		$V_{CCO} - 1.4$		$V_{CCO} - 0.9$	V
V_{OL}	Output Low Voltage; NOTE 1		$V_{CCO} - 2.0$		$V_{CCO} - 1.7$	V
V_{SWING}	Peak-to-Peak Output Voltage Swing		0.6		1.0	V

NOTE 1: Outputs terminated with 50Ω to $V_{CCO} - 2V$.

Corrected:

TABLE 3E. LVPECL DC CHARACTERISTICS, $V_{CC} = V_{CCA} = V_{CCO} = 2.5V \pm 5\%$, $T_A = -40^{\circ}C$ TO $85^{\circ}C$

Symbol	Parameter	Test Conditions	Minimum	Typical	Maximum	Units
V_{OH}	Output High Voltage; NOTE 1		$V_{CC} - 1.4$		$V_{CC} - 0.9$	V
V_{OL}	Output Low Voltage; NOTE 1		$V_{CC} - 2.0$		$V_{CC} - 1.5$	V
V_{SWING}	Peak-to-Peak Output Voltage Swing		0.4		1.0	V

NOTE 1: Outputs terminated with 50Ω to $V_{CC} - 2V$.

Affected Devices: 843004AGI-01, 843004AGI-01LF

Sample Availability:

Samples are now available for all affected devices.

Please contact your local IDT sales representative for your sample request.