Reference and Fax Feedback Form

Chapter 7

7.0.0 REFERENCE AND CONTACT INFORMATION

7.1.0 APPLICATION NOTES

The list of additional application information about LVDS is growing. Following is a list of application notes at press time. The 1996 Interface Databook (literature number 400045) contains much information, but is now outdated. Up-to-date information can be retrieved from our Website.

	AN#	Title	Databook[1]	Web[2]
LVDS	AN-971	An Overview of LVDS Technology	•	•
	AN-977	LVDS Signal Quality: Jitter Measurements Using Eye Pattern	•	•
	AN-1035	PCB Design Guidelines for LVDS Technology	•	•
	AN-1040	Bit Error Rate (BER) Testing Data		•
	AN-1060	EDN Article Reprint (1/97)		•
Channel & FPD Links	AN-1032	An Introduction to FPD Link	•	•
	AN-1041	Channel Link Introduction		•
	AN-1045	FPD Rising/Falling Edge Clocking and Bit Mapping		•
	AN-1056	FPD STN Panel Applications		
	AN-1059	Skew and Jitter		
General	AN-806	Data Transmissions Lines and Their Characteristics	•	•
	AN-807	Reflections:Computations & Waveforms	•	•
	AN-808	Long Transmission Lines & Data Signal Quality	•	•
	AN-905	Transmission Line Rapidesigner Operations[3]		•
	AN-912	Common Data Transmission Parameters & Their Definitions	•	•
	AN-916	A Practical Guide To Cable Selection	•	•
	Sect. 13	IBIS Simulation Model Information	•	

[1]The literature number for the Interface Databook is Lit# 400045

[2] National's Web address is http://www.national.com

[3] The literature number for the Transmission Line Rapidesigner is Lit# 633200-001 (metric) or 633201-001 (English units). (The accompanying application note, AN-905, is also available separately as Lit# 100905-001)

7.2.0 ANSI/TIA/EIA-644 STANDARD

To order copies of the ANSI/TIA/EIA-644 Standard contact:

Global Engineering Documents
15 Inverness Way East
Englewood, CO 80112-5704

or call

USA and Canada: 1.800.854.7179
International: 1.303.397.7956

7.3.0 IBIS I/O MODEL INFORMATION

I/O Buffer Information Specification (IBIS) is a behavioral model specification defined within the ANSI/EIA-656 standard. LVDS IBIS models are available from National's Website which can be used by almost any simulators/EDA tools in the industry.

Visit the ANSI/EIA-656 Website: **www.eia.org/EIG/IBIS/ibis.htm** for a vendor listing or contact your software vendor. Chapter 13 of National's 1996 Interface Databook (lit#400045) describes IBIS models in detail.

Two sets of IBIS models (DS90C031/032 and DS90LV031/032) can represent the LVDS I/O characteristics of most of National's LVDS devices.

a) Use the DS90C031/032 models to represent the LVDS I/O characteristics of all 5V drivers/receivers, 5V Channel Link, and 5V FPD-Link devices.

b) Use the DS90LV031/032 models to represent the LVDS I/O characteristics of the DS90LV031/032/017/027 devices.

c) Use the DS36C200 model for the DS36C200.

d) Contact National for availability of models to represent the LVDS I/O characteristics of 3V Channel Link, 3V FPD-Link, and other 3V devices not listed in (b) above.

National IBIS models are available at: **www.national.com/models/ibis/ibis.html**

LVDS Fax Feedback

To: **National Semiconductor LVDS Marketing**

Fax: **1.408.737.7218**

From:

Mr./Ms.	Last Name	First Name	Title
Company		Dept./Division	
Address		Mail Stop	
City		State	Zip/Country
Phone	Ext.	Fax	
Email address			

The LVDS Owner's Manual Design Guide is (check one):

❑ Excellent ❑ Good ❑ Average ❑ Poor

Comments and suggestions for improvement:

_____
_____
_____
_____

I am interested in the following LVDS products (check all that apply):

❑ Drivers/Receivers ❑ Channel Link ❑ FPD-Link ❑ Other

New product suggestions:

_____
_____
_____
_____

My application is: _____

Please call me regarding LVDS in my application (check one): ❑ Yes ❑ No

Other comments:

_____
_____
_____
_____
_____

Thank you for your feedback, it is important to us!