



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20071005001
Datasheet Errata for SN74LVC1G79 Device Type
Data Sheet Change Notification

Date:

Dear Customer:

This is a notice of change to a product data sheet for a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

We request you acknowledge receipt of this notification within **30** days of the date of this notice.

The changes discussed within this PCN will not take effect any earlier than **90** days from the date of this notification. This notification period is per TI's standard process. Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Manager ([PCN ww admin team@list.ti.com](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

PCN Team
SC Business Services
Phone: (214) 480-6037
Fax: (214) 480-6659

20071005001
Attachment: 1

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

Technical details of this Product Change follow on the next page(s).

PCN Number:	20071005001			PCN Date:	10/18/2007
Title:	Datasheet Errata for SN74LVC1G79 Device Type				
Customer Contact:	Linda K Miles	Phone:	903-868-7638	Dept:	Standard Linear and Logic
Proposed 1st Ship Date:	10/18/2007	Estimated Sample Availability:	N / A		
Change Type:					
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Assembly Materials
<input type="checkbox"/>	Design	<input checked="" type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Mechanical Specification
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material	<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials	<input type="checkbox"/>	Wafer Fab Process

PCN Details

Description of Change:

Texas Instruments Standard Linear and Logic (SLL) is modifying the Datasheet pin assignments and values for the SN74LVC1G79 device. There have been no changes made to the product. The silicon is not being changed and represents the product currently being shipped. Some datasheet parameters were identified that do not reflect current device performance. Only the parameters and information specified below are being corrected in the datasheet. (See the tables below for changes.)

Before:

Switching Characteristics

Over recommended operating free-air temperature range, CL = 15pF (unless otherwise noted)

Parameter	From (input)	To (output)	Vcc = 1.8V +/- 0.15V		Vcc = 2.5V +/- 0.2V		Vcc = 3.3V +/- 0.3V		Vcc = 5V +/- 0.5V		Unit
			Min	Max	Min	Max	Min	Max	Min	Max	
Tpd	A,B,or C	Y	2	18.2	1.2	6.2	1	4.5	0.8	3.1	ns

After:

Switching Characteristics

Over recommended operating free-air temperature range, CL = 15pF (unless otherwise noted)

Parameter	From (input)	To (output)	Vcc = 1.8V +/- 0.15V		Vcc = 2.5V +/- 0.2V		Vcc = 3.3V +/- 0.3V		Vcc = 5V +/- 0.5V		Unit
			Min	Max	Min	Max	Min	Max	Min	Max	
Tpd	CLK	Q	2.5	9.1	1.2	6	1	4	0.8	3.8	ns

Before:

Switching Characteristics

Over recommended operating free-air temperature range, CL = 30pF or 50pF (unless otherwise noted)

Parameter	From (input)	To (output)	Vcc = 1.8V +/- 0.15V		Vcc = 2.5V +/- 0.2V		Vcc = 3.3V +/- 0.3V		Vcc = 5V +/- 0.5V		Unit
			Min	Max	Min	Max	Min	Max	Min	Max	
Tpd	A,B,or C	Y	2.2	20.5	1.4	7.1	1.3	5.4	1	3.6	ns

After:

Switching Characteristics

Over recommended operating free-air temperature range, CL = 30pF or 50pF (unless otherwise noted)

Parameter	From (input)	To (output)	Vcc = 1.8V +/- 0.15V		Vcc = 2.5V +/- 0.2V		Vcc = 3.3V +/- 0.3V		Vcc = 5V +/- 0.5V		Unit
			Min	Max	Min	Max	Min	Max	Min	Max	
Tpd	CLK	Q	3.9	9.9	2	7	1.7	5	1	4.5	ns

Literature Number

Device Type	Current Literature #	New Literature #
SN74LVC1G79	SCES220R	SCES220S

Reason for Change:

These changes are being made to correct the datasheet.

Anticipated impact on Fit, Form, Function & Reliability (positive / negative):

Texas Instruments does not anticipate a negative impact on Fit, Form, Function nor Reliability.

Changes to product identification resulting from this PCN:

There is no change to product identification.

Product Affected:

SN74LVC1G79DBV3	SN74LVC1G79DCK3	SN74LVC1G79DCKTG4
SN74LVC1G79DBV6	SN74LVC1G79DCK6	SN74LVC1G79DRLR
SN74LVC1G79DBVR	SN74LVC1G79DCKR	SN74LVC1G79DRLRG4
SN74LVC1G79DBVRE4	SN74LVC1G79DCKRE4	SN74LVC1G79YEAR
SN74LVC1G79DBVRG4	SN74LVC1G79DCKRG4	SN74LVC1G79YEPR
SN74LVC1G79DBVT	SN74LVC1G79DCKT	SN74LVC1G79YZAR
SN74LVC1G79DBVTE4	SN74LVC1G79DCKTE4	SN74LVC1G79YZPR
SN74LVC1G79DBVTG4		

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com