12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20080922000
Datasheet Errata for Device Type TS3DV520E_A
Information Only

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this PCN are for your information only. Please see the attachment details for the planned implementation date.

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).

Sincerely,

PCN Team
SC Business Services
Phone: +1(214) 480-6037
Fax: +1(214) 480-6659

PCN Number:	20080922000	**PCN Date:**	10/13/2008
Title:	Datasheet Errata for Device Type TS3DV520E_A		
Customer Contact:	Linda K Miles **Phone:** 903-868-7638	**Dept:**	Standard Linear and Logic
Proposed 1st Ship Date:	10/13/2008	**Estimated Sample Availability:**	10/13/2008

Change Type:

☐	Assembly Site	☐	Assembly Process	☐	Assembly Materials
☐	Design	☒	Electrical Specification	☐	Mechanical Specification
☐	Test Site	☐	Packing/Shipping/Labeling	☐	Test Process
☐	Wafer Bump Site	☐	Wafer Bump Material	☐	Wafer Bump Process
☐	Wafer Fab Site	☐	Wafer Fab Materials	☐	Wafer Fab Process

PCN Details

Description of Change:

Texas Instruments' Standard Linear and Logic Group is correcting the datasheet for TS3DV520E; there are several conflicts of spec at the areas of the followings:

• Removing the following sentences from the DESCRIPTION/ORDERING INFORMATION section.
  o This device is specified for partial-power-down applications using Ioff. The Ioff feature ensures that damaging current will not backflow through the device when it is powered down. The device has isolation during power off. ---- (this part remains as is.) ----, even in the power-down mode(VCC=0V).
• Add the following footnotes for each package drawings from page #2.
  o For the RHU package, the Exposed Center Pad, if used, must be connect to GND or left electrically open.
  o For the RUA package, the Exposed Center Pad, must be connected to GND for proper device operation.
• ABSOLUTE MAX RATINGS table on page 4. Change the values at V_I/O(Switch I/O voltage range), I_IK(Control input clamp current), I_I/OK(I/O port clamp current).

Change From

			MIN	MAX	UNIT
V_I/O	Switch I/O voltage range		-0.5	7	V
I_IK	Control input clamp current	Vin < 0		-50	mA
I_I/OK	I/O port clamp current	Vi/o < 0		-50	mA

Change To

			MIN	MAX	UNIT
V_I/O	Switch I/O voltage range		-0.5	VCC+0.5	V
I_IK	Control input clamp current	Vin < 0, or Vin > VCC	-50	+50	mA
I_I/OK	I/O port clamp current	Vi/o < 0, or Vi/o > VCC	-50	+50	mA

- RECOMMENDEDOPERATINGCONDITIONS table on page 4. Change the values at V_I/O (Input/output voltage)

Change From

		MIN	MAX	UNIT
V_I/O	Input/output voltage	0	5.5	V

Change To

		MIN	MAX	UNIT
V_I/O	Input/output voltage	0	VCC	V

- Operating characteristics graph at the page #6, Figure 4 has to be renamed as "Figure 4. ron vs. Vcom (Vcc=3.6V)". And the plot has to be stopped at 3.6V.

Change From

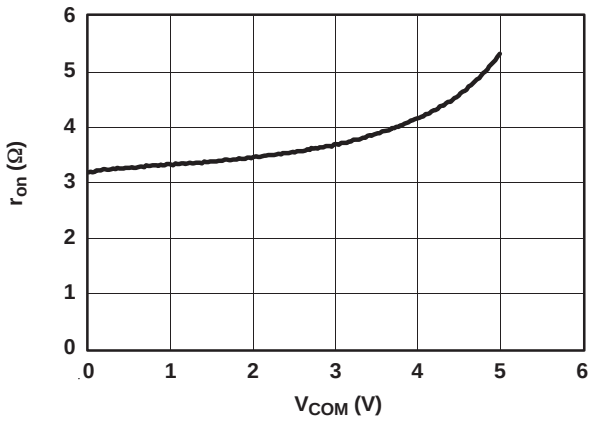

Figure 4. r_{on} and V_o vs V_1

Change To

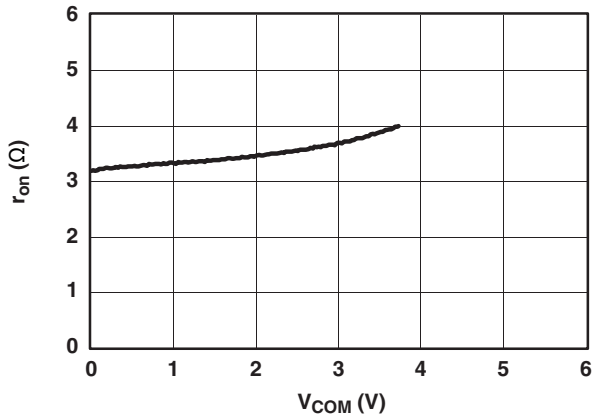

Figure 4. r_{on} V_{com} (V_{cc}=3.6V)

Literature Number

Device Type	Current Literature #	New Literature #
TS3DV520E	SCDS240	SCDS240A

Reason for Change:

This modification will correct the datasheet.

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

Texas Instruments does not anticipate a negative impact on fit, form, function, quality or reliability.

Changes to product identification resulting from this PCN:

There are no changes to product identification.

Product Affected:

TS3DV520ERHUR
TS3DV520ERHURG4
TS3DV520ERUAR

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

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