

PCN Number:	20140505000	PCN Date:	05/07/2014
Title:	Datasheet update for TLC5973		
Customer Contact:	PCN Manager	Phone:	+1(214) 480-6037
Dept:	Quality Services		
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

PCN Details

Description of Change:

The product datasheet(s) is being updated.

The following change history provides further details. These changes may be reviewed at the datasheet links provided



TLC5973

SBVS225B –MARCH 2013–REVISED MAY 2014

www.ti.com

Changes from Revision A (May 2013) to Revision B

Page

• Changed format to meet latest data sheet standards; added <i>Applications and Implementation</i> , <i>Power Supply Recommendations</i> , and <i>Layout</i> sections, moved existing sections	1
• Changed <i>8-bit pulse width modulation</i> to <i>12-bit pulse width modulation</i> in Description section	1
• Changed t_{H0} and t_{H1} parameter units from μ s to ns in Recommended Operating Conditions table	4
• Changed Figure 8 : deleted top SDO, changed bottom SDO to OUT_n	7
• Changed Figure 11 : deleted extraneous breaks in traces, extraneous data call-outs, and t_{H1} on GSLAT trace, changed data transfer trace note to <i>Internal to 1st Device</i> and 1st Data to 47th Data in 48-Bit Shift Register LSB trace....	9
• Changed functional block diagram: changed Upper 8 Bits to Upper 12 Bits on 48-Bit Shift Register block	11
• Added <i>Grayscale (GS) Control</i> , <i>EasySet and Shunt Regulator</i> , and <i>No Limit Cascading</i> sections	11
• Changed <i>Connector Design</i> title	13
• Changed Figure 13 : changed OUT_n traces GSDATA = 4093 and GSDATA = 4094	15
• Changed description of the <i>Data '0' and Data '1' Write Sequence (Data Write Sequence)</i> section	16
• Changed title of <i>Controlling Devices Connected in Series</i> section	19
• Changed <i>Data 101</i> to <i>Data 1010</i> in Figure 18	19
• Changed <i>eight MSBs</i> to <i>12 MSBs</i> in third sentence of the <i>Register and Data Latch Configuration</i> section	21
• Changed Figure 21 : corrected 3AAh bit set sequence	21
• Changed Figure 26 : changed number of LEDs in optional dashed box	26
• Changed Table 7 : changed all values in R_{VCC} column and first and last values in <i>Resistor Wattage</i> column	27

The datasheet number will be changing.

Device Family	Change From:	Change To:
TLC5973	SBVS225A	SBVS225B

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/tlc5973>

Reason for Change:	
To more accurately reflect device characteristics.	
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):	
Electrical specification performance changes as indicated above.	
Changes to product identification resulting from this PCN:	
None.	
Product Affected:	
TLC5973D	TLC5973DR

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
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