

PCN Number:	20170918003	PCN Date:	September 28, 2017
Title:	Datasheet for TDP158		
Customer Contact:	PCN Manager	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

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



TDP158

SLLSEX2B – DECEMBER 2016 – REVISED JUNE 2017

Changes from Revision A (January 2017) to Revision B

Page

• Changed the title From: "HDMI™ Redriver" To: "HDMI™ Level Shifter Redriver"	1
• Changed the <i>Features</i> List	1
• Changed the <i>Applications</i> List	1
• Added text to pins 17, 23, 34, 16 in the <i>Pin Functions</i> table: "For pin control, Low = 1 kΩ pulldown resistor to GND, High = 1 kΩ pullup resistor to VCC, NC = Floating"	5
• Added text to pin NC in the <i>Pin Functions</i> table: "Optionally connect 0.1 μF to GND to reduce noise"	5
• V _{SADJ} : Added Note "Reducing resistor ..", and Changed values in the <i>Recommended Operating Conditions</i> table	6
• Changed R _{vsdj} max value to 8 kΩ in Figure 1	12
• Changed the paragraph in the <i>Operation Timing</i> section	21
• Added column Pin Number to Table 2 , Changed IN_CLK → OUT_CLK To: IN_D2 → OUT_D2 in the last row of the SWAP column	22
• Changed Note 1 of Table 3	23
• Changed the last two sentences of the paragraph in the <i>Pre-emphasis</i> section	26
• Changed the title of Figure 23 From: 3.5 dB Pre-emphasis in Normal Operation To: 6 dB Pre-emphasis Setting in Normal Operation	26
• Changed From: Reg0Ch[1:0] = 01 To: Reg0Ch[1:0] = 10 in Figure 24	26
• Changed the Default setting in Table 9 From: TBD To: 00000001	30
• Added paragraph to the <i>Application and Implementation</i> section: "TDP158 is designed ..."	39
• Changed the <i>Application Information</i> paragraph	39
• Changed From: 0 Ω resistors To: 1 kΩ resistors, and a noise filter (capacitor) for the no connect in Figure 42	39
• Added text "1 kΩ pulldown resistor " to the Connect values in Table 25	40
• Changed text in the second paragraph of the <i>Source Side HDMI Application</i> section From: "Control pins can be tied	

The datasheet number will be changing.

Device Family	Change From:	Change To:
TDP158	SLLSEX2A	SLLSEX2B

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TDP158>

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):			
No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.			
Changes to product identification resulting from this PCN:			
None.			
Product Affected:			
TDP158RSBR	TDP158RSBT		

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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