

PCN Number:	20170227002	PCN Date:	March 1, 2017
Title:	Datasheet for TCA9554 and TCA9554A		
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.



TCA9554

SCPS233E – MARCH 2012 – REVISED FEBRUARY 2017

Changes from Revision D (August 2015) to Revision E	Page
• Added DW package.....	1
• Added Maximum junction temperature to the <i>Absolute Maximum Ratings</i> table	5
• Added I _{OL} for different T _j to the <i>Recommended Operating Conditions</i> table.....	5
• Changed I _{CC} standby into different input states, with increased maximums	7
• Changed C _{IO} , C _I maximum	7
• Removed ΔI _{CC} spec from the <i>Electrical Characteristics</i> table, added ΔI _{CC} typical characteristics graph	7
• Clarified interrupt reset time (t _r) with respect to falling edge of ACK related SCL pulse.	12
• Made changes to the <i>Interrupt Output (INT)</i> section.....	16
• Made changes to the <i>Reads</i> section	22
• Added the <i>Calculating Junction Temperature and Power Dissipation</i> section.....	25
• Changed recommended supply sequencing values	27
• Power on reset requirements relaxed	27



TCA9554A

SCPS196E – DECEMBER 2010 – REVISED FEBRUARY 2017

Changes from Revision D (August 2015) to Revision E	Page
• Added DW package.....	1
• Added Maximum junction temperature to the <i>Absolute Maximum Ratings</i> ⁽¹⁾ table	5
• Added I _{OL} for different T _j to the <i>Recommended Operating Conditions</i> table.....	5
• Changed I _{CC} standby into different input states, with increased maximums	7
• Removed ΔI _{CC} spec from the <i>Electrical Characteristics</i> table, added ΔI _{CC} typical characteristics graph	7
• Changed C _{IO} , C _I values.....	7
• Clarified interrupt reset time (t _r) with respect to falling edge of ACK related SCL pulse.	12
• Made changes to the <i>Interrupt Output (INT)</i> section.....	16
• Made changes to the <i>Reads</i> section	22
• Added the <i>Calculating Junction Temperature and Power Dissipation</i> section.....	25
• Power on reset requirements relaxed	27

The datasheet number will be changing.

Device Family	Change From:	Change To:
TCA9554	SCPS233D	SCPS233E
TCA9554A	SCPS196D	SCPS196E

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TCA9554>

<http://www.ti.com/product/TCA9554A>

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:

TCA9554DBQR	TCA9554DBR	TCA9554DWR	TCA9554DWT
TCA9554PWR	TCA9554ADBQR	TCA9554ADBR	TCA9554ADWR
TCA9554ADWT	TCA9554APWR		

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