

**PCN Number:** 20170227005      **PCN Date:** March 1, 2017

**Title:** Datasheet for TCA6507

**Customer Contact:** [PCN Manager](#)      **Dept:** Quality Services

<b>Change Type:</b>			
<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.



**TCA6507**

SCPS164D – MAY 2007 – REVISED FEBRUARY 2017

Changes from Revision C (January 2016) to Revision D	Page
• Changed $f_{INT}$ value From: MIN = 23 and MAX = 43 To: MIN = 28 and MAX = 58 in the <i>Electrical Characteristics</i> table .....	6
• Changed $V_{POR}$ values From: TYP = 1.4 To: TYP = 1.1 MAX = 1.4 in the <i>Electrical Characteristics</i> table .....	6
• Changed Operating $I_{CC}$ MAX value From: 25 To: 40 in the <i>Electrical Characteristics</i> table .....	6
• Changed $C_i$ , $C_{i0}$ , $C_o$ TYP and MAX values in the <i>Electrical Characteristics</i> table .....	6
• Changed The $I^2C$ Interface Timing Requirements table .....	7
• Changed The Oscillator Timing Requirements table .....	8
• Changed The Switching Characteristics table .....	8
• Updated Typical Characteristic Curves .....	9
• Changed Table 18, Brightness Register Values .....	27
• Changed Table 26 .....	34

The datasheet number will be changing.

Device Family	Change From:	Change To:
TCA6507	SCPS164C	SCPS164D

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TCA6507>

**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:**

TCA6507PW	TCA6507PWG4	TCA6507PWR	TCA6507PWRG4
TCA6507RUER	TCA6507ZXUR		

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

<b>Location</b>	<b>E-Mail</b>
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>