



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20140623000
Datasheet update for PCA6107/PCA95xx/TCA4311/TCA64xx/TCA8418
Information Only Datasheet

Dear Customer:

This is an information-only announcement of a change to a series of product datasheets that is currently offered by Texas Instruments. There is no change to the physical device, test procedure, or electrical specification.

The changes discussed within this PCN are for your information only.

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# 20140623000
Attachment: 1

Products Affected:

According to our records, there are the affected device(s) that you have purchased within the past twenty-four (24) months. Technical details of this Product Change follow on the next page(s).

PCN Number:	20140623000		PCN Date:	06/25/2014	
Title:	Datasheet update for PCA6107/PCA95xx/TCA4311/TCA64xx/TCA8418				
Customer Contact:	PCN Manager	Phone:	+1(214) 480-6037		Dept: Quality Services
Change Type:					
☐ Assembly Site	☐ Design	☐ Wafer Bump Site			
☐ Assembly Process	☒ Data Sheet	☐ Wafer Bump Material			
☐ Assembly Materials	☐ Part number change	☐ Wafer Bump Process			
☐ Mechanical Specification	☐ Test Site	☐ Wafer Fab Site			
☐ Packing/Shipping/Labeling	☐ Test Process	☐ Wafer Fab Materials			
		☐ Wafer Fab Process			

PCN Details

Description of Change:

The product datasheets are being updated to include existing errata.

- TI's Analog procedure has been to publish errata to product folders with no product change notification, as errata are application specific.
- Beginning in March 2014, device errata related updates will be made in the device datasheet itself, which requires a review by the TI MCCB (Major Change Coordination Board).
- If the change is considered to be impactful to the customer a PCN (Product Change Notification) will be issued per TI's guidelines:
- <http://focus.ti.com/quality/docs/gencontent.tsp?templateId=5909&navigationId=11224&contentId=5020>
- This PCN for the I²C family is issued to align with new process, and ensure all customers who have used the affected devices are aware of the errata.

Upgraded devices with errata free versions as well as with improved performance are currently being released. However, there are no plans to EOL (End of Life) any I²C devices, TI maintains the same level support for all products.

Contact your sales rep for further details and schedule on upgraded devices.

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



PCA9543A

SCPS169A – SEPTEMBER 2007 – REVISED JUNE 2014

www.ti.com

Changes from Original (September 2007) to Revision A

Page

- | | |
|---|----|
| • Removed Ordering Information table. | 2 |
| • Added Power-On Reset Errata section. | 19 |

PCA9544A

SCPS146E – OCTOBER 2005 – REVISED JUNE 2014

www.ti.com
Changes from Revision D (February 2008) to Revision E
Page

- Added Power-On Reset Errata section. 18

PCA9545A

SCPS147D – OCTOBER 2005 – REVISED JUNE 2014

www.ti.com
Changes from Revision October 2006 (C) to Revision D
Page

- Added Added $\overline{\text{RESET}}$ Errata section. 12
- Added Power-On Reset Errata section. 20

PCA9546A

SCPS148F – OCTOBER 2005 – REVISED JUNE 2014

www.ti.com
Changes from Revision E (January 2008) to Revision F
Page

- Added $\overline{\text{RESET}}$ Errata section. 10
- Added Power-On Reset Errata section. 18

PCA9548A

SCPS143D – JUNE 2009 – REVISED JUNE 2014

www.ti.com
Changes from Revision C (June 2007) to Revision D
Page

- Added $\overline{\text{RESET}}$ Errata section. 11
- Updated Typical Application schematic. 17
- Added Power-On Reset Errata section. 20

PCA9536

SCPS125G – APRIL 2006 – REVISED JUNE 2014

www.ti.com
Changes from Revision F (September 2008) to Revision G
Page

- Added Power-On Reset Errata section. 20

PCA9534

SCPS124G – SEPTEMBER 2006 – REVISED JUNE 2014

www.ti.com
Changes from Revision F (June 2010) to Revision G
Page

- Added Interrupt Errata section. 17
- Added Power-On Reset Errata section. 26

PCA9534A

SCPS141I – SEPTEMBER 2006 – REVISED JUNE 2014

www.ti.com
Changes from Revision H (June 2010) to Revision I
Page

• Removed Ordering Information Table.	4
• Added Interrupt Errata section.	17
• Deleted the 100 kΩ resistor at V _{CC}	24
• Added Power-On Reset Errata section.	27

PCA9535

SCPS129J – AUGUST 2005 – REVISED JUNE 2014

www.ti.com
Changes from Revision I (May 2008) to Revision J
Page

• Added Interrupt Errata section.	15
• Added Power-On Reset Errata section.	25

PCA9554

SCPS128C – JULY 2006 – REVISED JUNE 2014

www.ti.com
Changes from Revision B (August 2008) to Revision C
Page

• Added Interrupt Errata section.	15
• Added Power-On Reset Errata section.	23

PCA9554A

SCPS127E – SEPTEMBER 2006 – REVISED JUNE 2014

www.ti.com
Changes from Revision D (August 2008) to Revision E
Page

• Added Interrupt Errata section.	15
• Added Power-On Reset Errata section.	23

PCA9555

SCPS131F – AUGUST 2005 – REVISED JUNE 2014

www.ti.com
Changes from Revision E (May 2008) to Revision F
Page

• Added Interrupt Errata section.	16
• Added Power-On Reset Errata section.	26

PCA9557

SCPS133J – DECEMBER 2005 – REVISED JUNE 2014

www.ti.com
Changes from Revision I (June 2008) to Revision J
Page

• Added $\overline{\text{RESET}}$ Errata section.	14
• Added Power-On Reset Errata section.	22

TCA6408

SCPS151D – FEBRUARY 2007 – REVISED JUNE 2014

www.ti.com

Changes from Revision C (June 2007) to Revision D	Page
• Added <u>RESET</u> Errata section.....	17
• Added Interrupt Errata section.....	18
	
TCA6416	
SCPS153B –DECEMBER 2007–REVISED JUNE 2014	www.ti.com
Changes from Revision A (February 2009) to Revision B	Page
• Added <u>RESET</u> Errata section.....	17
• Added Interrupt Errata section.....	18
	
TCA6424	
SCPS175B –NOVEMBER 2007–REVISED JUNE 2014	www.ti.com
Changes from Revision A (November 2009) to Revision B	Page
• Added <u>RESET</u> Errata section.....	17
• Added Interrupt Errata section.....	18
	
PCA6107	
SCPS139E –JANUARY 2006–REVISED JUNE 2014	www.ti.com
Changes from Revision A (September 2008) to Revision E	Page
• Added <u>RESET</u> Errata section.....	16
• Added Interrupt Errata section.....	17
• Power-On Reset Errata section.....	25
	
PCA9538	
SCPS126F –SEPTEMBER 2006–REVISED JUNE 2014	www.ti.com
Changes from Revision E (September 2008) to Revision F	Page
• Added <u>RESET</u> Errata section.....	16
• Added Interrupt Errata section.....	17
• Power-On Reset Errata section.....	26
	
PCA9539	
SCPS130G –AUGUST 2005–REVISED JUNE 2014	www.ti.com
Changes from Revision F (January 2011) to Revision G	Page
• Added <u>RESET</u> Errata section.....	16
• Added Interrupt Errata section.....	17
• Power-On Reset Errata section.....	27
	
PCA9515A	
SCPS150D –DECEMBER 2005–REVISED JUNE 2014	www.ti.com

Changes from Revision C (January 2011) to Revision D	Page
• Added Clock Stretching Errata section.	7

Changes from Revision B (October 2007) to Revision C	Page
• Deleted all references to arbitration and clock stretching support. This does not effect min/max specifications.	1



PCA9517

SCPS157E—DECEMBER 2007—REVISED JUNE 2014

www.ti.com

Changes from Revision D (March 2012) to Revision E	Page
• Added Clock Stretching Errata section.	10
• Added Load Dependent Undershoot Errata section.	10
• Added Glitch/Noise Susceptibility Errata section.	11
• Added Load Susceptibility Errata section.	11



TCA8418

SCPS215C—SEPTEMBER 2009—REVISED MAY 2014

www.ti.com

Changes from Revision B (March 2010) to Revision C	Page
• Added CAD Interrupt Errata section.	25
• Added Overflow Errata section.	26
• Added Keylock Timer Errata section.	29



TCA4311

SCPS173A—DECEMBER 2008—REVISED JUNE 2014

www.ti.com

Changes from Original (December 2008) to Revision A	Page
• Added Missing ACK Errata section.	10



PCA9518

SCPS132C—JUNE 2006—REVISED JUNE 2014

www.ti.com

Changes from Revision B (October 2010) to Revision C	Page
• Added Clock Stretching Errata section.	10

The datasheet number will be changing.

Device Family	Change From:	Change To:
PCA9543A	SCPS169	SCPS169A
PCA9544A	SCPS146D	SCPS146E
PCA9545A	SCPS147C	SCPS147D
PCA9546A	SCPS148E	SCPS148F
PCA9548A	SCPS143C	SCPS143D
PCA9536	SCPS125F	SCPS125G
PCA9534	SCPS124F	SCPS124G
PCA9534A	SCPS141H	SCPS141I
PCA9535	SCPS129I	SCPS129J
PCA9554	SCPS128B	SCPS128C
PCA9554A	SCPS127D	SCPS127E
PCA9555	SCPS131E	SCPS131F
PCA9557	SCPS133I	SCPS133J
TCA6408	SCPS151C	SCPS151D
TCA6416	SCPS153A	SCPS153B
TCA6424	SCPS175A	SCPS175B
PCA6107	SCPS139D	SCPS139E
PCA9538	SCPS126E	SCPS126F
PCA9539	SCPS130F	SCPS130G
PCA9515A	SCPS150B	SCPS150D
PCA9517	SCPS157D	SCPS157E
TCA8418	SCPS215B	SCPS215C
TCA4311	SCPS173	SCPS173A
PCA9518	SCPS132A	SCPS132C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/PCA9543A>

<http://www.ti.com/product/PCA9544A>

<http://www.ti.com/product/PCA9545A>

<http://www.ti.com/product/PCA9546A>

<http://www.ti.com/product/PCA9548A>

<http://www.ti.com/product/PCA9536>

<http://www.ti.com/product/PCA9534>

<http://www.ti.com/product/PCA9534A>

<http://www.ti.com/product/PCA9535>

<http://www.ti.com/product/PCA9554>

<http://www.ti.com/product/PCA9554A>

<http://www.ti.com/product/PCA9555>

<http://www.ti.com/product/PCA9557>
<http://www.ti.com/product/TCA6408>
<http://www.ti.com/product/TCA6416>
<http://www.ti.com/product/TCA6424>
<http://www.ti.com/product/PCA6107>
<http://www.ti.com/product/PCA9538>
<http://www.ti.com/product/PCA9539>
<http://www.ti.com/product/PCA9515A>
<http://www.ti.com/product/PCA9517>
<http://www.ti.com/product/TCA8418>
<http://www.ti.com/product/TCA4311>
<http://www.ti.com/product/PCA9518>

Reason for Change:

To align with TI's new process of errata and to more accurately reflect device functionality in the datasheet.

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

No change on Fit, Form, Function, Quality or Reliability.
Updates to datasheet outline potential limitations on functionality in final application.

Changes to product identification resulting from this PCN:

None.

Product Affected:

PCA6107DW	PCA9535DBQR	PCA9545APWT	PCA9554RGVR	
PCA6107DWR	PCA9535DBR	PCA9545ARGYR	PCA9555DB	
PCA9515AD	PCA9535DGVR	PCA9545AZQNR	PCA9555DBQR	
PCA9515ADGKR	PCA9535DW	PCA9546AD	PCA9555DBR	
PCA9515ADGKT	PCA9535DWR	PCA9546ADGVR	PCA9555DGVR	
PCA9515ADR	PCA9535PW	PCA9546ADR	PCA9555DW	
PCA9515ADRGR	PCA9535PWR	PCA9546ADT	PCA9555DWR	
PCA9515ADT	PCA9535RGER	PCA9546ADW	PCA9555DWT	
PCA9515APW	PCA9535RTWR	PCA9546ADWR	PCA9555N	
PCA9515APWR	PCA9536D	PCA9546APW	PCA9555PW	
PCA9515APWT	PCA9536DGKR	PCA9546APWR	PCA9555PWR	
PCA9517D	PCA9536DR	PCA9546APWT	PCA9555PWT	
PCA9517DGKR	PCA9538DB	PCA9546ARGVR	PCA9555RGER	
PCA9517DR	PCA9538DBR	PCA9546ARGYR	PCA9555RHLR	
PCA9517P	PCA9538DGVR	PCA9548ADB	PCA9557D	
PCA9517PW	PCA9538DW	PCA9548ADBR	PCA9557DB	
PCA9517PWR	PCA9538DWR	PCA9548ADGV	PCA9557DBR	
PCA9518DBQR	PCA9538PW	PCA9548ADGVR	PCA9557DGVR	
PCA9518DBR	PCA9538PWR	PCA9548ADW	PCA9557DR	
PCA9518DBT	PCA9539DB	PCA9548ADWR	PCA9557DT	
PCA9518DW	PCA9539DBQR	PCA9548APW	PCA9557PW	
PCA9518DWR	PCA9539DBR	PCA9548APWR	PCA9557PWR	

PCA9518DWT	PCA9539DGVR	PCA9548ARGER	PCA9557PWT	
PCA9518PW	PCA9539DW	PCA9554ADB	PCA9557RGVR	
PCA9518PWR	PCA9539DWR	PCA9554ADBQR	PCA9557RGYR	
PCA9518PWT	PCA9539PW	PCA9554ADBR	TCA4311D	
PCA9534ADB	PCA9539PWR	PCA9554ADGV	TCA4311DGKR	
PCA9534ADBR	PCA9539RGER	PCA9554ADGVR	TCA4311DR	
PCA9534ADGVR	PCA9543AD	PCA9554ADW	TCA6408PW	
PCA9534ADW	PCA9543ADR	PCA9554ADWR	TCA6408PWR	
PCA9534ADWR	PCA9543APW	PCA9554APW	TCA6408RGTR	
PCA9534APW	PCA9543APWR	PCA9554APWR	TCA6408ZXYR	
PCA9534APWR	PCA9544ADGVR	PCA9554ARGTR	TCA6416PW	
PCA9534ARGTR	PCA9544ADW	PCA9554ARGVR	TCA6416PWR	
PCA9534ARGVR	PCA9544ADWR	PCA9554DB	TCA6416PWT	
PCA9534DB	PCA9544APW	PCA9554DBQR	TCA6416RTWR	
PCA9534DBR	PCA9544APWR	PCA9554DBR	TCA6416RTWT	
PCA9534DGVR	PCA9544APWT	PCA9554DGV	TCA6416ZQSR	
PCA9534DW	PCA9544ARGYR	PCA9554DGVR	TCA6424RGJR	
PCA9534DWR	PCA9544AZQNR	PCA9554DW	TCA8418RTWR	
PCA9534PW	PCA9545ADW	PCA9554DWR		
PCA9534PWR	PCA9545ADWR	PCA9554PW		
PCA9534RGVR	PCA9545APW	PCA9554PWR		
PCA9535DB	PCA9545APWR	PCA9554RGTR		

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