

Notification Number:	20210808001	Notification Date:	October 11, 2021
Title:	Datasheet for CC3220R, CC3220S, CC3220SF, and CC3120		
Customer Contact:	Notification Manager	Dept:	Quality Services
Change Type: Electrical Specification			

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.



CC3120
SWAS034A – FEBRUARY 2017 – REVISED MAY 2021

Changes from February 7, 2018 to May 13, 2021 (from Revision * (Feb 2017) to Revision A (May 2021))

	Page
• Updated formatting and organization to reflect current TI standards.....	0
• Added WPA3 Personal and WPA3 Enterprise to Section 1	1
• Changed <i>Features</i> section.....	1
• Added WPA3 Personal and WPA3 Enterprise to Section 3	2
• Changed <i>Description</i> section	2
• Added <i>Functional Block Diagram</i> to the <i>Functional Block Diagrams</i> section.....	3
• Added <i>CC3120R Hardware Overview</i> block diagram	3
• Added <i>Device Comparison</i> section.....	8
• Changed <i>Device Features Comparison</i> table.....	8
• Changed <i>CC3120 SDK Plug-In</i> link.....	9
• Added <i>NC = No internal connection</i> note to the pinout diagram	10
• Changed <i>Pin Attributes</i> table.....	11
• Deleted the pin number for GND_TAB	11
• Changed <i>Connections for Unused Pins</i> table.....	13
• Changed the typical value for Hibernate from "4 μ A" to "4.5 μ A".....	15
• Deleted the + sign from the typical values in the <i>WLAN Transmitter Characteristics</i> table.....	20
• Added the table note "Power of 802.11b rates are reduced to meet ETSI requirements" to the <i>WLAN Transmitter Characteristics</i> table.....	20
• Added <i>Reset Requirement</i> table	21
• Changed from "200-mS" to 200-ms" in the <i>Device Reset</i> section	22
• Changed from "pin 32" to "pin 52" in the second list item of the <i>Device Reset</i> section	22
• Changed the <i>Host SPI Interface Timing</i> diagram.....	28
• Changed the parameter numbers in the <i>Host SPI Interface Timing Parameters</i> table	28
• Changed <i>Flash SPI Interface Timing</i> diagram.....	29
• Changed the parameter numbers in the <i>Flash SPI Interface Timing Parameters</i> table	29
• Added WPA3 Personal and WPA3 Enterprise to Section 9	34
• Added WPA3 Personal and WPA3 Enterprise to Section 9.1.1	34
• Added WPA3 personal and enterprise to Table 9-1	34
• Added "The typical battery drain in this mode is 4.5 μ A" to the <i>Hibernate</i> section.....	38
• Added "The typical battery drain in this mode is 1 μ A" to the <i>Shutdown</i> section.....	38
• Changed the table title from "Title" to "Recommended Flash Size"	39
• Changed the <i>CC3120R Wide-Voltage Mode Application Circuit</i> diagram.....	41
• Added R14 information to the <i>Bill of Materials for CC3120R in Wide-Voltage Mode</i> table.....	41
• Changed the <i>CC3120R Preregulated 1.85-V Mode Application Circuit</i> diagram	43
• Added R13 information to the <i>Bill of Materials for CC3120R in Preregulated, 1.85-V Mode</i> table.....	43
• Changed from "XTALM" to "XTAL_N" in the <i>Clock Interfaces</i> section.....	46
• Changed <i>Tools and Software</i> section.....	48
• Changed <i>CC3120R Device Nomenclature</i> figure.....	49
• Changed <i>Documentation Support</i> section.....	50

Changes from November 29, 2018 to May 13, 2021 (from Revision B (November 2018) to Revision C (May 2021))

	Page
• Updated formatting and organization to reflect current TI standards.....	0
• Added WPA3 Personal and WPA3 Enterprise to Section 1	1
• Added WPA3 personal and enterprise to Section 9.2	57
• Added WPA3 personal and enterprise to Section 9.2.1	57
• Added WPA3 personal and enterprise to Table 9-1	57

The datasheet number will be changing.

Device Family	Change From:	Change To:
CC3220R, CC3220S, and CC3220SF	SWAS035A	SWAS035C
CC3120	SWAS034	SWAS034A

These changes may be reviewed at the datasheet links provided.

<https://www.ti.com/product/CC3120>

<https://www.ti.com/product/CC3220RM2ARGKR>

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 notification:

None.

Product Affected:

CC3120RNMARGKR	CC3120RNMARGKT	CC3220RM2ARGKR	CC3220RM2ARGKT
CC3220SF12ARGKR	CC3220SF12ARGKT	CC3220SM2ARGKR	CC3220SM2ARGKT

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