



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20240730005.0
Datasheet for CC2340R
Information Only**

Date: August 07, 2024
To: MOUSER PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification 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 Change Management team.

Sincerely,

Change Management Team
SC Business Services

20240730005.0
Information Only Datasheet
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
CC2340R21N0RGER	NULL
CC2340R22E0RKPR	NULL
CC2340R22N0RKPR	NULL
CC2340R52E0RGER	NULL
CC2340R52E0RKPR	NULL
CC2340R52N0RGER	NULL
CC2340R52N0RKPR	NULL

Technical details of this Product Change follow on the next page(s).

PCN Number:	20240730005.0	PCN Date:	August 07, 2024
Title:	Datasheet for CC2340R		
Customer Contact:	Change Management team	Dept:	Quality Services
Change Type:	Electrical Specification		

PCN 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.



CC2340R2, CC2340R5
SWRS272D – APRIL 2023 – REVISED JUNE 2024

Changes from Revision C (June 2023) to Revision D (June 2024)	Page
• Changed the comparison table to the CC2340R family of devices.....	5
• Added preview for YBG package.....	8
• Removed "Untrimmed brownout rising threshold".....	19
• Updated parameter name of "Trimmed brownout rising threshold".....	19
• Updated parameter name of "Trimmed brownout falling threshold".....	19
• Changed Temperature Sensor "Accuracy".....	19
• Changed DCDC "Idle Current — Supply Systems and RAM powered, flash disabled, DMA disabled".....	20
• Changed DCDC "Idle Current — Supply Systems and RAM powered, flash disabled, DMA enabled".....	20
• Changed GLDO "Idle Current — Supply Systems and RAM powered, flash enabled, DMA disabled".....	20
• Changed GLDO "Idle Current — Supply Systems and RAM powered, flash enabled, DMA enabled".....	20
• Changed "Reset current".....	20
• Changed "Shutdown Current".....	20
• Changed "Radio transmit current at -8dBm".....	21
• Changed "Radio transmit current at 0dBm, DCDC OFF".....	21
• Changed "Radio transmit current at +4dBm".....	21
• Changed "Flash write time".....	21
• Changed "Frequency error tolerance" for 1Mbps BLE PHY.....	22
• Changed "Data rate error tolerance" for 1Mbps BLE PHY.....	22
• Updated footnote 1 in Section 8.14 "Bluetooth Low Energy - Receive (RX)".....	22
• Changed "Selectivity, +3MHz" for 1Mbps BLE PHY.....	22
• Changed "Frequency error tolerance" for 2Mbps BLE PHY.....	22
• Changed "Data rate error tolerance" for 2Mbps BLE PHY.....	22
• Changed "f > 1 GHz, including harmonics".....	26
• Changed min value of "Crystal load capacitance".....	27
• Removed "Temperature coefficient".....	28

• Changed "SPI clock frequency"	28
• Added footnote (1).....	28
• Changed "CS access time, CS active to POCI data out - VDDSD=3.3V".....	29
• Changed "CS access time, CS active to POCI data out - VDDSD=1.8V".....	29
• Changed "CS disable time, CS inactive to POCI high impedance - VDDSD=3.3V".....	29
• Changed "CS disable time, CS inactive to POCI high impedance - VDDSD=1.8V".....	29
• Changed "PICO input data setup time".....	29
• Changed "POCI output data valid time" at 3.3V.....	29
• Removed "(4)" from test conditions.....	29
• Changed "POCI output data valid time" at 1.8V.....	29
• Removed "(4)" from test conditions.....	29
• Added "Data setup time" at f_SCL = 100kHz.....	31
• Changed "Data setup time" at f_SCL > 100kHz.....	31
• Changed "GPIO pullup current" at 1.8V.....	32
• Changed "GPIO pulldown current" at 1.8V.....	32
• Changed "GPIO low-to-high input transition, with hysteresis" at 1.8V.....	32
• Changed "GPIO high-to-low input transition, with hysteresis" at 1.8V.....	32
• Changed "GPIO input hysteresis" at 1.8V.....	32
• Changed "GPIO VOH at 10 mA load" at 3.0V.....	32
• Changed "GPIO VOL at 10 mA load" at 3.0V.....	32
• Changed "GPIO VOH at 2 mA load" at 3.0V.....	32
• Changed "GPIO VOL at 2 mA load" at 3.0V.....	32
• Changed "GPIO pullup current" at 3.8V.....	32
• Changed "GPIO pulldown current" at 3.8V.....	32
• Changed "GPIO low-to-high input transition, with hysteresis" at 3.8V.....	32
• Changed "GPIO high-to-low input transition, with hysteresis" at 3.8V.....	32
• Changed "GPIO input hysteresis" at 3.8V.....	32
• Added "Temperature Error" of Temp diode inside ADC.....	33
• Changed "Ultra-low power comparator current consumption".....	35

The datasheet number will be changing.

Device Family	Change From:	Change To:
CC2340R	SWRS272C	SWRS272D

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/CC2340R>

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:

CC2340R21N0RGER	CC2340R22E0RKPR	CC2340R22N0RKPR	CC2340R52E0RGER
CC2340R52E0RKPR	CC2340R52N0RGER	CC2340R52N0RKPR	

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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