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## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN165006A

**Date:** February 08, 2017

**Subject:** Addendum to PCN165006: Removal of Broadcom Logo and Company Name for Automotive IoT Products

**To:** JAMIE PEDERSON  
DIGIKEY  
digiKey.supplierInfo@digkey.com

**Change Type:** Minor

### Description of Change:

This addendum includes following updates to the affected parts.

- 1) Clarifying that all parts listed in this PCN will have the Broadcom logo and/or "BROADCOM ®" company name marking removed from the device marking.
- 2) The PCN has been updated to provide an example of the marking change for existing BCM ordering part numbers.
- 3) Removal of five parts from the affected parts list.
  - a. Three parts are not currently production status and are not planned to move to production (BCM89035CWMLG, BCM89335L2CRUBGT, and BCM89335L2CRUBG).
  - b. Two parts (BCM88072CRFB5G and BCM88072CRFB5GT) are not currently production status, and will begin as "CYW" devices once moved to production.
- 4) This addendum pushes out the implementation date to June, 2017.

The Broadcom logo and Broadcom trademarked company name will be removed on all package markings for existing Broadcom automotive marketing part numbers.

In addition, Cypress (CY) is pleased to announce the transition of the IoT products, formerly Broadcom (BRCM), from Broadcom automotive marketing part number nomenclature to Cypress automotive marketing part number nomenclature. New customer designs should use the new Cypress marketing part numbers instead of the Broadcom marketing part numbers.

The new Cypress automotive marketing part numbers differ only in the ordering part number, marking of the device, and marking format. There are no changes made to the product form, fit, or function and color of the marking on the new Cypress part numbers. With the exception of mark format and marking changes, the new Cypress marketing part numbers are identical to the existing Broadcom marketing part numbers.

### Benefit of Change:

Conversion to the new Cypress marketing part numbers will bring consistency to the current IoT family of products and future products in development at Cypress.

**Affected Part Numbers: 15**

**Affected Parts:** All parts listed in this notice will have Broadcom owned markings removed from the device package marking. Four of the 15 products will have the Broadcom logo removed. Eight of the 15 products will have the “BROADCOM ®” marking removed. The remaining three products are not orderable devices but are included in this PCN for completeness. In all cases, the list of affected parts does provide the drop-in replacement Cypress marketing part number for new or future designs. Please refer to the attached ‘Affected Parts List’ file to identify your product and the marking change that will occur.

**Qualification Status:**

The new Cypress part number marking format has been verified to be consistent and meet the Cypress marking format specifications. All qualification and reliability documentation related to the current Broadcom marketing part numbers is unchanged, as there is no change to the form, fit, or function of the new Cypress marketing part numbers.

**Sample Status:**

Please contact your Cypress Sales Representative to request samples of the new Cypress marketing part numbers.

**Approximate Implementation Date:**

Cypress will begin the transition to removing the Broadcom logo and “BROADCOM ®” mark from the package marking by June of 2017.

**Anticipated Impact:**

The Broadcom logo and/or “BROADCOM ®” mark will be removed from the affected parts in this notice. No other changes are being made to the current Broadcom automotive marketing part numbers.

The new Cypress marketing part numbers using the Cypress standard mark format are fully compatible with the corresponding Broadcom marketing part numbers in terms of functional, parametric, quality and reliability performance. Customers are encouraged to update their ordering part number to the new Cypress marketing part number as shown in the attached spreadsheet.

Cypress also recommends that customers take this opportunity to review these changes against current application notes, system design considerations and customer environment conditions to assess impact (if any) to their application.

**Method of Identification:**

The Broadcom marketing part numbers affected by the Broadcom logo and “BROADCOM ®” mark removal can be identified through the presence or absence of these markings. All additional marking information and format will remain the unchanged. Cypress maintains traceability of products to wafer level, including wafer fabrication location and assembly location, through the lot number marked on the package.

Identification of the new Cypress automotive marketing part numbers can be achieved by the part number marked on the package. The new Cypress marketing part numbers will include a part number prefix of “CYW”, replacing the current prefix of “BCM”.

### Current BCM Part Number Marking Change Example:

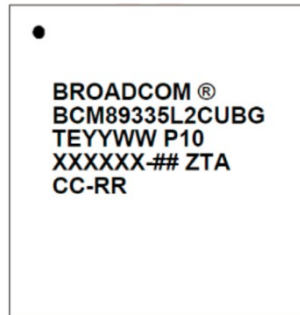
The figures below detail the marking change that will occur on the current BCM ordering part numbers (example is given for the BCM89335L2CUBGT ordering part number).

### BCM Ordering Part Number Marking Change Example:

#### Definitions

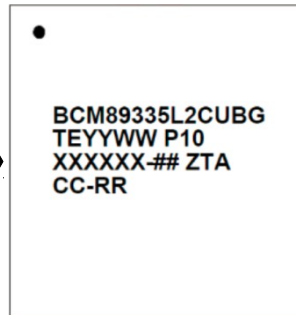
- Line 1: BRCM Company Name
- Line 2: BCM89335L2CUBG = MPN
  - L: MPN Configuration
  - 2: SACQ WLPGA Alloy
  - C: Temperature Grade
  - UB: Package Type
  - G: Lead-free Designator
- Line 3: TEYYWW P10
  - T: FAB Foundry Code
  - E: Assembly Site Code
  - YYWW: BRCM Date Code
  - P: P Code "P" is Constant
  - 1: Major Die Revision
  - 0: Minor Die Revision
- Line 4: XXXXXX-## ZTA
  - XXXXXX: Assembly Lot
  - ##: Wafer ID Number
  - Z: Geographical Code
  - T: TSMC Bump
  - A: Silicon Revision
- Line 5: CC-RR
  - CC-RR: Die Coordinate ID

#### Existing BCM Marking



(Not Drawn to Scale)

#### New BCM Marking



(Not Drawn to Scale)

#### Definitions

- Line 1: BRCM Company Name
- Line 2: BCM89335L2CUBG = MPN
  - L: MPN Configuration
  - 2: SACQ WLPGA Alloy
  - C: Temperature Grade
  - UB: Package Type
  - G: Lead-free Designator
- Line 3: TEYYWW P10
  - T: FAB Foundry Code
  - E: Assembly Site Code
  - YYWW: BRCM Date Code
  - P: P Code "P" is Constant
  - 1: Major Die Revision
  - 0: Minor Die Revision
- Line 4: XXXXXX-## ZTA
  - XXXXXX: Assembly Lot
  - ##: Wafer ID Number
  - Z: Geographical Code
  - T: TSMC Bump
  - A: Silicon Revision
- Line 5: CC-RR
  - CC-RR: Die Coordinate ID


**New Cypress Part Number Marking Example:**

The figures below detail the marking difference between the current BCM ordering part numbers and the new Cypress ordering part numbers. The example shown is based on the BCM43143KMLG and the CYW43143KMLG.

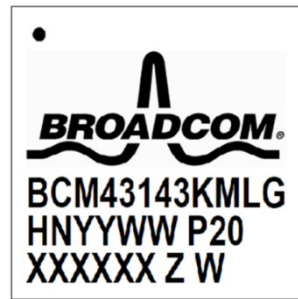
Existing Marketing Part Number (Ordering Part Number)	New Marketing Part Number (Ordering Part Number)
BCM43143KMLG	CYW43143KMLG

**New Cypress Ordering Part Number Marking Change Example:**

Definitions

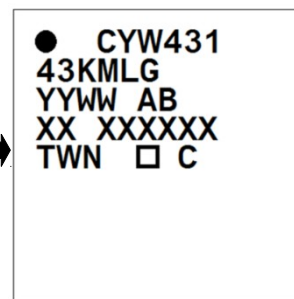
-  : BRCM Logo
- Line 1: BCM43143KMLG = MPN
  - K: Temperature Grade
  - ML: Package Type
  - G: Lead-free Designator
- Line 2: HNYWW P20
  - H: FAB Foundry Code
  - N: Assembly Site Code
  - YYWW: BRCM Date Code
  - P: P Code "P" is Constant
  - 2: Major Die Revision
  - 0: Minor Die Revision
- Line 3: XXXXXX Z W
  - XXXXXX: Assembly Lot
  - Z: Geographic Code
  - W: Optional Character

Existing BCM Marking



(Not Drawn to Scale)

New BCM Marking



(Not Drawn to Scale)

Definitions

- No Logo
- Line 1&2: MPN
  - K: Temperature Grade
  - ML: Package Type
  - G: Lead-free Designator
- Line 3: YYWW AB
  - YYWW: CY Date Code
  - AB: BE Part Revision
- Line 4: XX XXXXXX
  - XX: Fab location code
  - XXXXXX: Assembly Lot
- Line 5: TWN □ C
  - TWN: Country of Origin
  - : Pb Free Indicator
  - C: Cu Wire

Please refer to [www.cypress.com/cypress-marking-format](http://www.cypress.com/cypress-marking-format) for information and details of the Cypress marking format.

Please refer to [www.cypress.com/products/wireless-connectivity](http://www.cypress.com/products/wireless-connectivity) for datasheets and a complete listing of the IOT products.

**Response Required:**

No response is required. Customers are encouraged to transition to the new Cypress marketing part numbers indicated in the attachment.

For additional information regarding this change, contact your local sales representative or contact the PCN Administrator at [pcn\\_admin@cypress.com](mailto:pcn_admin@cypress.com).

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Item Catalog Category	Drop-in Replacement	Notes
1	BCM89342CRFB4G	Automotive WiFi/Bluetooth	CYW89342CRFB4G	Will remain active for ordering, however the Broadcom logo will be removed from the device marking.
2	BCM89072BRFB5G	Automotive WiFi/Bluetooth	CYW89072BRFB5G	Will remain active for ordering, however the Broadcom logo will be removed from the device marking.
3	BCM89072BRFB5GT	Automotive WiFi/Bluetooth	CYW89072BRFB5GT	Will remain active for ordering, however the Broadcom logo will be removed from the device marking.
4	BCM89342CRFB4GT	Automotive WiFi/Bluetooth	CYW89342CRFB4GT	Will remain active for ordering, however the Broadcom logo will be removed from the device marking.
5	BCM89335LCUBG	Automotive WiFi/Bluetooth	CYW89335LCUBGT	Is not an orderable part number. This part number is only offered in T/R packing. Included in affected parts list for completeness.
6	BCM89335LCUBGT	Automotive WiFi/Bluetooth	CYW89335LCUBGT	Will remain active for ordering, however the "BROADCOM ®" registered company name will be removed from the device marking.
7	BCM88359CUBGT	Automotive WiFi/Bluetooth	CYW88359CUBGT	Will remain active for ordering, however the "BROADCOM ®" registered company name will be removed from the device marking.
8	BCM89359CUBGT	Automotive WiFi/Bluetooth	CYW89359CUBGT	Will remain active for ordering, however the "BROADCOM ®" registered company name will be removed from the device marking.
9	BCM88335L2CUBG	Automotive WiFi/Bluetooth	CYW88335L2CUBGT	Is not an orderable part number. This part number is only offered in T/R packing. Included in affected parts list for completeness.
10	BCM89071A1CUBXGT	Automotive WiFi/Bluetooth	CYW89071A1CUBXGT	Will remain active for ordering, however the "BROADCOM ®" registered company name will be removed from the device marking.
11	BCM89335L2CUBGT	Automotive WiFi/Bluetooth	CYW89335L2CUBGT	Will remain active for ordering, however the "BROADCOM ®" registered company name will be removed from the device marking.
12	BCM88335L2CUBGT	Automotive WiFi/Bluetooth	CYW88335L2CUBGT	Will remain active for ordering, however the "BROADCOM ®" registered company name will be removed from the device marking.
13	BCM89335L2CUBG	Automotive WiFi/Bluetooth	CYW89335L2CUBGT	Is not an orderable part number. This part number is only offered in T/R packing. Included in affected parts list for completeness.
14	BCM89359CUBG	Automotive WiFi/Bluetooth	CYW89359CUBGT	Is not an orderable part number. This part number is only offered in T/R packing. Included in affected parts list for completeness.
15	BCM88359CUBG	Automotive WiFi/Bluetooth	CYW88359CUBGT	Is not an orderable part number. This part number is only offered in T/R packing. Included in affected parts list for completeness.