



Cypress Semiconductor Corporation, 198 Champion Court, San Jose, CA 95134. Tel: (408) 943-2600

## PRODUCT INFORMATION NOTIFICATION

**PIN:** PIN174601

**Date:** November 15, 2017

**Subject:** Qualification of 10-inch Reel Size for Select EZ-BLE Module Products

**To:** FUTURE ELECTRONICS  
 FUTURE ELE  
 pcn.system@futureelectronics.com

**Change Type:** Minor

**Description of Change:**

Cypress announces the qualification of a 10-inch reel diameter for select EZ-BLE Module products. The newly qualified reel differs from the current reel only in the reel outline diameter, moving from 13-inch to 10-inch. Minimum Order Quantity (MOQ) for the affected EZ-BLE Modules is unchanged.

Carrier tape for EZ-BLE modules converting to the new 10-inch reel diameter is unchanged in critical dimensions for all modules.

The new 10-inch reel has the following details:

SPECIFICATION	CURRENT REEL	NEW REEL	REMARKS
Outside Reel Diameter	330 ± 1.50 mm (13-inch)	254 ± 0.50 mm (10-inch)	Moving from 13-inch to 10-inch. Tighter tolerance on reel diameter.
Hub Diameter	100 ± 1.50 mm	100 ± 0.50 mm	Same hub diameter. Tighter tolerance on hub diameter.
Center Hole Diameter	13 ± 0.50 mm	13.2 ± 0.30 mm	Slightly larger Center Hole Diameter on newly qualified reel. Tighter Center Hole Diameter tolerance on newly qualified reel, results in same maximum Center Hole Diameter and tighter minimum Center Hole Diameter.
Reel Thickness	24.5 ± 0.50 mm	24.4 ± 0.30 mm	Slightly narrower reel thickness (W1) on newly qualified reel. Tighter Reel Thickness tolerance on newly qualified reel, resulting in more tightly controlled maximum and minimum Reel Thickness measurement.

No changes were made to the following attributes of the newly qualified 10-inch reel:

- Unit orientation in carrier pocket
- Color of carrier tape
- Quantity of EZ-BLE Modules contained in a reel
- Environmental Compliance of the Reel or Tape
- EIA compliance

**Benefit of Change:**

The qualification of the new 10-inch reel and associated tape provides a more suitable packaging size for the MOQ offered for EZ-BLE Modules. The change to 10-inch reel diameter will decrease the number of empty tape pocket leaders included in a fully packaged reel. This decrease in the number of empty tape pocket leaders will decrease the amount of preparation time needed to remove these empty pockets on the 13-inch reel size.

**Part Numbers Affected: 11**

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change.

**Qualification Status:**

The new reel has been qualified through a series of tests to confirm product quality and environmental compliance.

**Approximate Implementation Date:**

This change will be implemented from the date of this notification. EZ-BLE Modules are expected to ship with the new 10-inch reel diameter within 30 days of this notice, once inventory of the current 13-inch reel diameter is depleted. Once a product has converted to the 10-inch reel diameter, it will no longer ship using the 13-inch reel diameter.

**Anticipated Impact:**

There is no anticipated impact for the newly qualified 10-inch reel. The new 10-inch reel has been confirmed to provide the same critical dimensions as the current 13-inch reel. This change does not affect the product itself, only the reel diameter the product is shipped in.

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:**

Cypress maintains traceability of product to module level, including assembly location, through the 2D QR Bar Code laser marked on the module.

**Response Required:**

This is an information only announcement. No response is required.

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

Sincerely,

Cypress PCN Administration

CYBLE-014008-00
CYBLE-022001-00
CYBLE-212019-00
CYBLE-212020-01
CYBLE-214009-00
CYBLE-212023-10
CYBLE-214015-01
CYBLE-222005-00
CYBLE-222014-01
CYBLE-224110-00
CYBLE-224116-01