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

PRODUCT INFORMATION NOTIFICATION

PIN: PIN173601   **Date:**   September 10, 2017

Subject: Upgrade to EZ-BLE Module Family EZ-Serial Firmware Platform from V1.0.2 to V1.1.1

Change Type: Minor

Description of Change:
EZ-BLE modules shipped pre-programmed with EZ-Serial Firmware Platform images are being upgraded from V1.0.2 to V1.1.1.

EZ-Serial is a firmware platform built on top of Cypress EZ-BLE Modules, providing an easy-to-use method for accessing the most common hardware and communication features for BLE-based applications. For more detailed information on the V1.1.1 release, please refer to the EZ-Serial website and user guide: www.cypress.com/ez-serial.

Every EZ-BLE Module that will ship the pre-programmed V1.1.1 EZ-Serial firmware images have been verified against a series of tests to confirm that all features and functions that are supported in the EZ-Serial user guide meet production requirements and to confirm backward compatibility to prior EZ-Serial firmware releases.

Benefit of Change:
EZ-Serial FW V1.1.1 provides a backward compatible firmware image which includes additional features available to the user.

Part Numbers Affected: 13
See the attached 'Affected Parts List' file for a list of all part numbers affected by this change. Note that any new parts that are introduced after the publication of this PIN will include all changes outlined in this PIN.

Qualification Status:
This upgrade has been qualified through a series of tests to confirm that all features and functions supported in the EZ-Serial user guide meet production requirements. The user guide can be found by visiting www.cypress.com/ez-serial.

Sample Status:
The EZ-Serial V1.1.1 release firmware binary images can be found at www.cypress.com/ez-serial. All EZ-BLE modules can be upgraded with the corresponding image from the Cypress website.

EZ-BLE modules pre-programmed with EZ-Serial V1.1.1 will be available no later than November 1st, 2017.

Approximate Implementation Date:
EZ-BLE Modules will begin the upgrade to EZ-Serial V1.1.1 immediately. This change will be effective for all Production and Sample status EZ-BLE modules listed in the Affected Parts list no later than November 1st, 2017 (WW1744.3). Prior to November 1st, 2017, EZ-BLE modules will ship with EZ-Serial V1.1.1 as soon as each individual module is upgraded to the new Firmware image.

EZ-BLE modules which have not reached Production status will be pre-programmed with EZ-Serial V1.1.1 prior to Production release of each module.

Anticipated Impact:
For customers that have been using PSoC Creator to develop embedded applications for EZ-BLE modules, there is no change required. Customers may still use all EZ-BLE modules with PSoC Creator as desired.

For customers that have been using EZ-Serial V1.0.2, there are no changes required as EZ-Serial V1.1.1 is backward compatible with V1.0.2. All prior features and functionality have been maintained in EZ-Serial V1.1.1.

For customers that wish to utilize the new features and functions of EZ-Serial V1.1.1, customers can download the latest V1.1.1 images at www.cypress.com/ez-serial. If customers require production shipments with EZ-Serial V1.1.1 pre-programmed, please communicate with your local distributor to ensure that this request is specifically stated. Distribution partners can work with Cypress to ensure that these requests are fulfilled.

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:
EZ-BLE modules with pre-programmed EZ-Serial firmware can be identified from the shipment date of the EZ-BLE module from Cypress. All EZ-BLE modules shipped after November 1st, 2017 will be pre-programmed with the V1.1.1 EZ-Serial firmware image.

Cypress maintains traceability of each EZ-BLE module through the lot number embedded in the QR-code laser marked on the top of the EZ-BLE 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.

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Description
1	CYBLE-012011-00	EZ-BLE Module - 128KB Flash, BT 4.1, 14 x 19 mm
2	CYBLE-014008-00	EZ-BLE Module - 128KB Flash, BT 4.1, 11 x 11 mm
3	CYBLE-022001-00	EZ-BLE Module - 128KB Flash, BT 4.1, 10 x 10 mm
4	CYBLE-202007-01	EZ-BLE XR Module - 256KB Flash, BT 4.2, 15 x 23 x 2.05 mm
5	CYBLE-202013-11	EZ-BLE XR Module - 256KB Flash, BT 4.2, 15 x 23 x 1.55 mm
6	CYBLE-212006-01	EZ-BLE XR Module - 256KB Flash, BT 4.2, 15 x 23 x 2.0 mm
7	CYBLE-212019-00	EZ-BLE Module - 256KB Flash, BT 4.1, 14 x 19 mm
8	CYBLE-214009-00	EZ-BLE Module - 256KB Flash, BT 4.1, 11 x 11 mm
9	CYBLE-214015-01	EZ-BLE Module - 256KB Flash, BT 4.2, 11 x 11 mm
10	CYBLE-222005-00	EZ-BLE Module - 256KB Flash, BT 4.1, 10 x 10 mm
11	CYBLE-222014-01	EZ-BLE Module - 256KB Flash, BT 4.2, 10 x 10 mm
12	CYBLE-224110-00	EZ-BLE XT/XR Module - 256KB Flash, BT 4.1, 9.5 x 15 mm
13	CYBLE-224116-01	EZ-BLE XT/XR Module - 256KB Flash, BT 4.2, 9.5 x 15 mm