

Product Change Notification (PCN)

PCN #: 7D-2025

Date: July 15, 2025

1 Products Affected

Ezurio Part Number	Description
453-00001-K1	Development Kit, Module, BL54L15, Trace ANT
453-00044-K1	Development Kit, Module, BL54L15, MHF4

2 Description of Changes

All changes have been applied to the part numbers listed above:

- Replace the U11 TI level shifter with TXS0102DCU and non-populate R10, R11, R12, R27.

3 Reason for Change

The mikroBUS connector is at 3.3V, therefore a level shifter is used in the BL54L15 DVK design to convert 3.3V to 1.8V. The original design used a TI level shifter (U11, TXB0102DCUR) which will not work with open drain IO on the PWM and INT pins of the mikroBUS adaptor. Changing the level shifter U11 to TXS0102DCU will improve the compatibility with mikroBUS devices.

Remove R10, R11, R12, and R27. These resistors were pull-downs on the LEDs. The LED IOs are shared with the mikroBUS adapter. Pull-down resistors can interfere with mikroBUS operation.



4 Anticipated Impact of the Change

There is no anticipated form, fit, or functional impact of this change.

5 Method of Identifying the Changed Product

5.1 Update Labels

- On the product label, updated the Rev from 3 to 4

Before (453-00001-K1 in the example photo)	After (453-00001-K1 in the example photo)
	

- On the box label, updated the Rev from 1 to 2

Before (453-00001-K1 in the example photo)	After (453-00001-K1 in the example photo)
<div> <div> 453-00001-K1 1) BL54L15 Development Board x 1 2) Type C USB Cable x 1 3) NFC Flex PCB Antenna x 1 (Part# 0800-00081) 4) 2.54mm Jumper Cap x 6 5) Female To Female Dupont Jumper Wire Cable x 6 6) Stand-offs x 4 and Nuts x 4 </div> <div> Part Number: 453-00001-K1 Model Name: BL54L15 Rev X Description: Development Kit, Module, BL54L15, Trace Antenna </div> </div>	<div> <div> 453-00001-K1 1) BL54L15 Development Board x 1 2) Type C USB Cable x 1 3) NFC Flex PCB Antenna x 1 (Part# 0800-00081) 4) 2.54mm Jumper Cap x 6 5) Female To Female Dupont Jumper Wire Cable x 6 6) Stand-offs x 4 and Nuts x 4 </div> <div> Part Number: 453-00001-K1 Model Name: BL54L15 Rev X Description: Development Kit, Module, BL54L15, Trace Antenna </div> </div>

- On the carton label, updated the Revision from 1 to 2

Before (453-00001-K1 in the example photo)	After (453-00001-K1 in the example photo)
	

6 Factory Effectivity Date

6.1 Factory Effectivity Date

These changes will be implemented into manufacturing starting from Date Codes, as outlined below for each product variant. The date code is shown on each label, as format SSYYWWD.

SS = Supplier code

YY = last two numbers of the year (ex: 18=2018, 19=2019)

WW = Week of the year

D = day of the week (ex: Sun=1, Mon=2, Tue=3, Wed=4, Thu=5, Fri=6, Sat=7)

Ezurio Part Number	Factory Effectivity – Date Codes
453-00001-K1	1025365
453-00044-K1	1025365

6.2 Inventory Management

This will be a running change.

7 Contact Information

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Product Change Notices (PCNs) will be distributed at the discretion Ezurio. Occasionally, Ezurio may adjust product revision levels for internal tracking purposes only, and customers may not receive formal notifications associated with those revision changes.