

uEZGUI-4088-43WQN

Product Change Notification Form

PCN Number: 20151023-01	Rev: 2	Date: 10/23/2015
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Summary of Change: A change of accelerometer due to part discontinuance and a change of off-board speaker connector footprint for better connector retention and compatibility with multiple connector options. LCD changed due to better specifications.

Reason for Change: FDI is changing the Freescale accelerometer due to that parts discontinuance. FDI is also changing the off-board speaker connector for better part retention and compatibility with other connector footprints. FDI is also changing LCDs due to better specifications from the new LCD.

Detailed Description of Change:

Change the accelerometer (U14) from MMA7455L to LIS3DH. This part has a new I2C address that has been updated in all documentation. The uEZ software driver for the accelerometer has been updated to support the LIS3DH and should be compatible at the API level, so this change should be transparent to the customer.

The LIS3DH accelerometer has improved user-selectable scales of $\pm 2g/\pm 4g/\pm 8g/\pm 16g$ and it is capable of measuring accelerations with output data rates from 1 Hz to 5 kHz. The LIS3DH is an LGA footprint and operates over an extended temperature range from -40 °C to +85 °C. The LIS3DH also allows for a wider operating voltage range, 1.71V to 3.6V.

Change the off-board speaker connector (J7) footprint for better part retention, enlarging solder pads and allowing for multiple connector options to be used. The new connector footprint is compatible with the RDI connector used and allows for better connector retention by increasing the pad area.

Change LCD from Newhaven Display NHD-4.3-480272EF-ATXL#-CTP to Newhaven Display NHD-4.3-480272EF-ASXV#-CTP. The new display has better specifications in the typical viewing angle (75 degrees, up from 70) and luminance (850 nits typical, up from 340).

Detailed Description of (Electrical) Change: No electrical changes were made in this revision.

Products Affected:

Affected Product (Rev 1.3)	Recommended Replacement Product (Rev 2)
uEZGUI-4088-43WQN	uEZGUI-4088-43WQN
uEZGUI-4088-43WQN-BA	uEZGUI-4088-43WQN-BA
uEZGUI-4088-43WQN-NXP	uEZGUI-4088-43WQN-NXP



Availability of new revision stock at distributors:

Distributors will continue to sell through their existing available stock before filling customers' orders with stock of the new revision of the product.

Forecasted Key Dates and Milestones:

10/26/15 PCN Date. The date this document was released for distribution to customers and distributors.

12/15/15 Production Date for Recommended Replacement Product. The first date that production quantities of the replacement units will be available for customer order.

Reference Documents: [uEZGUI-4088-43WQN](#)

1. uEZGUI-4088-43WQN Brochure.pdf
2. uEZGUI-4088-43WQN Quick Start Guide.pdf
3. uEZGUI-4088-43WQN Users Manual.pdf
4. uEZGUI-4088-43WQN_SCH_2.pdf
5. uEZGUI-4088-43WQN Rev 2 ECO

FDI Contacts:

For additional information or details please contact any of our franchised Distributors including Avnet, Digi-Key, Mouser, and WPG Americas, Inc. Or contact the Product Team at FDI directly via email at support@teamfdi.com or via phone at 256-883-1240 or fax at 256-883-1241.