Product Change Notification

PCN No: 2007-02-20-02
Report Date: February 20, 2007
Subject: Graphics New Firmware Version Release

List of New / Changed Products:

All the following Graphic displays (and their variants):

GLC24064	GLK24064-25	GLK240128-25

Reason for Change:

A couple of firmware bug fixes and I2C implementation enhancement are incorporated in the existing firmware resulting to a firmware upgrade.

Product Change:

The following list of firmware changes are all effective on all the variants of the alphanumeric displays as stated under 'List of New / Changed Products'.

Firmware Changes:

Display	New Firmware Version
GLC24064	v5.5
GLK24064-25	v5.5
GLK240128-25	v5.5

New Released Firmware (released February 20, 2007):

1) The I2C implementation on the last version (v5.4) have issues regarding speed. We have made changes to make sure that the GLC24064 / GLK24064-25 / GLK240128-25 can now run reliably at 100KHz.

2) In I2C, when a keypad key is pressed, two of the same values are read; the suggested fix for this before was to clear the key buffer every after read. There is no need for clearing the key buffer anymore, this bug is fixed.

3) In I2C, the module had problematic NAK acknowledgments; there were instances that the modules continue to ACK when the buffer is full. This bug is now fixed.

4) Drawing bitmaps at locations greater than pixel address 7 is problematic; eg. drawing bitmap 3 at 0, 10 would not execute. This bug is now fixed.

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Reference Documents/Attachments:

Location: http://www.matrixorbital.ca/manuals/

Approvals:

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