

Product Change Notification PCN No: 2006-08-11-01 Report Date: August 11, 2006 Subject: LK202-24-USB PCB 1.7 New Board Revision Release

List of New Products:

• LK202-24-USB PCB 1.7 including all applicable extensions and combinations

-WB, -GW, -IY, -R, -YG (display colour)

-VPT, -V, -E (power and temperature options)

• MX2 including all applicable extensions and combinations (MX200-234)

Reason for Change:

The LK202-24-USB Matrix Orbital module series have been upgraded to be RoHS compliant.

Product Change:

The following list of hardware and firmware changes are all effective on all the variants of the LK202-24-USB as stated under the 'List of New Products'. The old LK202-24-USB PCB 1.6 is now superseded by the LK202-24-USB PCB 1.7. The changes are stated to compare the old and the new revisions:

Hardware Changes:

1) PCB 1.7 is full RoHS compliant; some small components have been replaced by their RoHS compliant equivalent.

- 2) Pads for 4 components on the board have been changed for ease of manufacturing.
- 3) Cosmetics changes such as our Matrix Orbital logo have been added on the board.
- 4) There are no changes on the physical location of the connectors on the new PCB revision.
- 5) To provide more multilingual (European) support to our modules, we have started using European font displays with the LK202-24-USB's. Please see the following character set for the European font display and the (old) Japanese font display for comparison.

European Font Character Set

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Japanese Font Character Set

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We started using European font displays with the -WB (colour) modules in June, 2006. Rollover is continuous; please contact your sales representative to find out dates for the -GW, -IY, -R, and -YG LK202-24-USB modules; also to confirm which character set your module will be arriving with. You can also request your sales representative for a character set preference you may have.

Firmware Changes:

There are no firmware changes. The firmware remains at v2.1 **Contact Information:**

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Reference Documents/Attachments:

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

Approvals:

Engineering: James McTavish (Senior Engineer)

Sales: Adam Lintott (Sales Manager)

Production: Mike McTavish (Production Manager)