

Product Change Notification

PCN No: 2006-10-18-01

Report Date: October 18, 2006

Subject: LK204-24 PCB 1.2 New Board Revision Release

List of New Products:

• LK204-24-USB PCB 1.2 including all applicable extensions and combinations

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

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

• MX4 including all applicable extensions and combinations (MX400-434)

Reason for Change:

The LK204-24-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 LK204-24-USB as stated under the 'List of New Products'. The old LK204-24-USB PCB 1.1 is now superseded by the LK204-24-USB PCB 1.2. The changes are stated to compare the old and the new revisions:

Hardware Changes:

- 1) PCB 1.2 is full RoHS compliant; some small components have been replaced by their RoHS compliant equivalent.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 LK204-24-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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LLLH														
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Japanese Font Character Set

				D7	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
D6			0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1		
				D5	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
D4					0	1	0	1	٥	1	0	1	0	1	0	1	٥	1	0	1
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We started using European font displays with the -WB, -IR, -IY(colour) modules in April, 2006; and with -YG and -GW in June, 2006. Rollover is continuous 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 v1.1

Contact Information:

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Reference Documents/Attachments:

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

Approvals:

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