

Product Change Notification

PCN No: 2010-03-03-01

Report Date: March 3, 2010

Subject: LK402-25 New PCB Rev 3.0 Release

List of New Products:

LK402-25 PCB Rev 3.0	(update of the LK402-25 PCB Rev 2.0)
LICHUZ ZJ I CD ICCV J.U	(update of the Dix+02 23 i CD itev 2.0)

LK402-25-USB

LK402-25-422

Reason for Change:

The LK402-25 PCB Rev 3.0 Matrix Orbital graphic module series have been updated to be able to unify display modules and offer new features and benefits.

Product Change:

The following hardware and firmware changes are all effective on all the variants of the LK402-25 as stated under 'List of New Products'. The old PCB 2.0 is now superseded by PCB Rev 3.0, and the old firmware version v5.6 is now superseded by v7.0. The changes are stated to compare the old and the new PCB revision.

Schedule of Change:

September 1, 2010

Hardware Changes:

- 1) The 'Protocol Select Jumpers' have been expanded to include provisions for the -USB and -422 models of the LK402-25 PCB Rev 3.0
- 2) A power LED is added to the PCB Rev 3.0 to indicate power through the display, which is good for troubleshooting and evaluation purposes.
- 3) An optional serial header (the connector is populated only upon request) is added on PCB Rev 3.0
- 4) A single Dallas 1-Wire connection is now offered as an option on PCB Rev 3.0
- 5) Better ESD protection is offered on PCB Rev 3.0 through optional ground jumps

Firmware Changes:

Release v7.0 (released February 15, 2010):

- 1) For I2C implementation only the LK402-25 now temporarily disconnects itself from the I2C bus when it is busy processing data or when the display's buffer is full
- 2) Added Dallas 1-wire support
- 3) List of New (or Changed) Commands:

Dallas 1-Wire Related Commands:

200 / 1: Search for Devices - new command, as described in item # 4 200 / 2: 1-Wire Transaction - new command, as described in item # 4

Please refer to

http://www.matrixorbital.ca/manuals/LK series/LK402-25/ for the LK402-25 PCB 3.0 manual.

Documentation Revision

Revision	Changes	Date	Author
1.0	Initial Release	April 28/10	R Malinis

Contact Information:

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Reference Documents/Attachments:

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

Approvals:

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