



Product Change Notification

PCN No: 2023-03-22-01
Report Date: March 22, 2023
Subject: LCD/VFD2041 PCB Rev 3.0.1 Release

List of Affected Products:

LCD2041-XX-XX-X PCB 2.0.1 VFD2041-XX-XX-X PCB 2.0.1 All colour, voltage and temperature variants
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List of New Products:

LCD2041-XX-X PCB 3.0.1 LCD2041-XX-VPT-X PCB 3.0.1 VFD2041-XX-X PCB 3.0.1 VFD2041-XX-VPT-X PCB 3.0.1 All colour and temperature variants New Voltage offerings for PCB 3.0.1: 5V and 9-35V (-VPT) 9-15V (-V) is no longer offered.

Reason for Change:

Part supply issues

Schedule of Change:

March 22, 2023

Product Change:

New PCB R3.0.1 uses a different, more readily available footprint: PLCC package. Stock supply is an issue with the microcontroller used on PCB 2.0.1. New PCB R3.0.1 will be populated with ATMEGA8535-16JU (PLCC) versus the ATMEGA8535-16AU (TQFP) used on PCB 2.0.1.

All functionalities are the same.

Hardware Changes:

1. Microcontroller TQFP package is replaced with PLCC package (significantly larger).
2. Power, communication and GPO headers remain in the same location but few components and Manual Override header have moved as necessary to accommodate the bigger IC
3. VPT circuitry is no longer a module add-on; circuitry is added on board.
4. A power LED is added.

Documentation Revision

Revision	Changes	Date	Author
1.0	Initial Release	March 22, 2023	R Malinis

Contact Information:

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Reference Documents/Attachments:

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

Approvals:

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