# Product Change Notification

**PCN No:** **2013-10-22-01**
**Report Date:** **October 22, 2013**
**Subject:** **New 20x2 VFD Display**

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**List of New / Changed Products:**
All the following alphanumeric displays:

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|---|
| MOP-AV202C-BNNN<br>MOS-AV202<br>MOI-AV202<br>MOU-AV202<br>VK202-25<br>VK202-25-USB<br>BVK202A<br>BVC2021 |
| Including all applicable options and across all PCB Revisions |

**Reason for Change:**
Our vacuum fluorescent display manufacturer has updated the 20x2 VFD displays with a slightly different piece of glass using chip on glass technology to remove a number of components from the screen board.

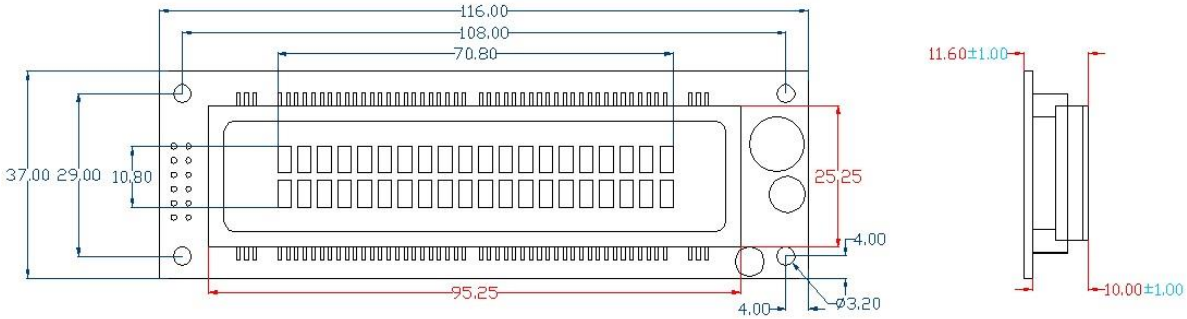
**Product Change:**
All outside dimensions of the vacuum fluorescent display and the active area remain exactly the same. However, the actual glass has grown 0.75mm in the X dimension, shrunk 1.25mm in the Y dimension. Overall height of the new display is 1.2mm shorter. Two large circular electrolytic capacitors and one inductor have been removed from the left side of the board.

There are no functional changes.

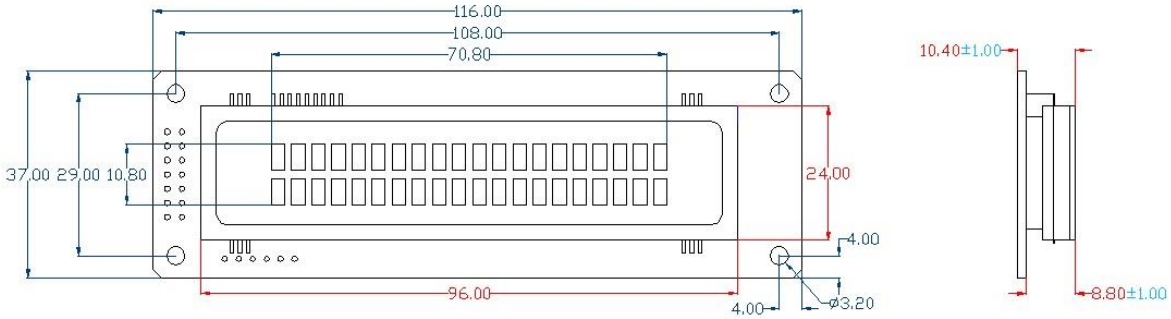
**Important note about 20x2 VFD filters:** The current VFD filters will no longer be compatible in size and new ones will be released. Part numbers to be determined at a later date.

**Schedule of Change:**
August 8, 2015

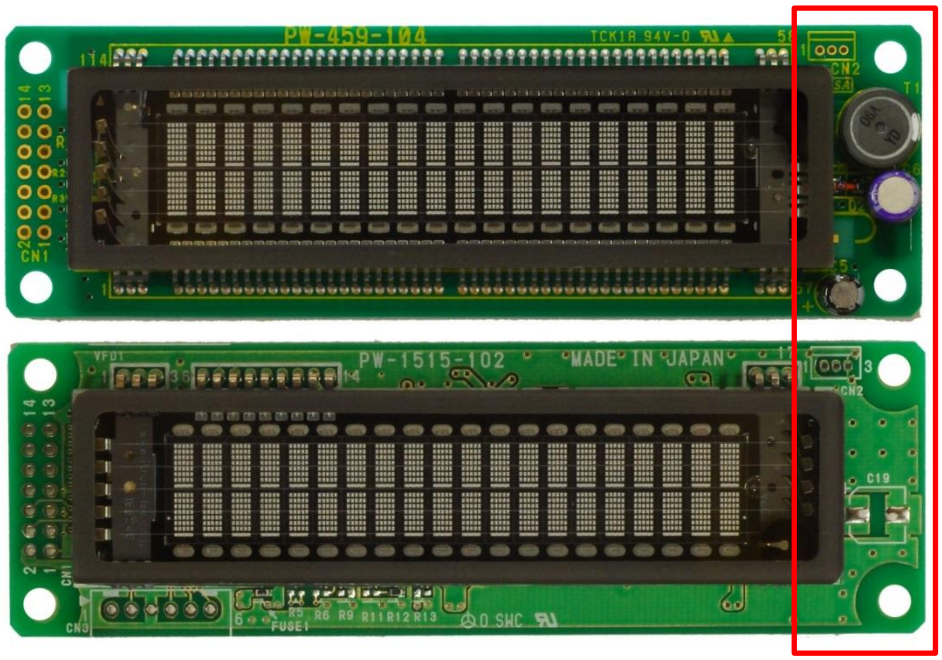
Differences in dimension shown in red:




Old VFD Dimensions




New VFD Dimensions




**Old Display**

**New Display**

**Documentation Revision**

| Revision | Changes | Date | Author |
|---|---|---|---|
| 1.3 | Updated Schedule of Change | August 7, 2015 | R Malinis |
| 1.2 | Updated Schedule of Change | March 31, 2015 | R Malinis |
| 1.1 | Updated Schedule of Change | July 23, 2014 | R Malinis |
| 1.0 | Initial Release | October 22, 2013 | R Malinis |

**Contact Information:**

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**Reference Documents/Attachments:**

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

**Approvals:**

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