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## Product Change Notification

**PCN No: 2009-04-16-01**

**Report Date: April 21, 2009**

**Subject: MOP-AV162A-BNNN-01J-3IN and VK162-12  
New Screen Board Revision Release**

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### List of New Products:

- MOP-AV162A-BNNN
- MOS-AV162
- MOI-AV162
- MOU-AV162
- VK162-12

Including all applicable extensions and combinations

### Reason for Change:

Our vacuum fluorescent display manufacturer has upgraded the 2x16 VFD displays to replace discontinued parts and add features.

### Product Change:

A physically different chip in glass driver is used (this is obvious when looking at the display front). There are also small dimension and mechanical changes but implementation and functionalities stay the same for the new VFD display.



**OLD**

**NEW**

Optical Characteristics Differences:

	Old VFD Display	New VFD Display
Number of characters	32 (2 lines x 16 chars)	32 (2 lines x 16 chars)
Matrix format	5 x 7 dot with underline	5 x 7 dot with underline
Display area	51.36 x 11.4 mm (X x Y)	51.4 x 11.4 mm (X x Y)
Character Size	2.46 x 4.76 mm (X x Y) Underline is not included	2.275 x 4.759 mm (X x Y) Underline is not included
Character Pitch	3.275 mm	3.275 mm
Line Pitch	6.01 mm	5.991 mm
Dot size	0.38 x 0.56 mm (X x Y)	0.359 x 0.577 mm (X x Y)
Dot pitch	0.52 x 0.7 mm (X x Y)	0.479 x 0.697 mm (X x Y)
Luminance	350 cd/m <sup>2</sup> (100fL) Min	350 cd/m <sup>2</sup> (100fL) Min
Color of Illumination	Blue-Green	Green (Blue-green)

For full details, please request new manuals:

[support@matrixorbital.ca](mailto:support@matrixorbital.ca)

**Schedule of Change:**

July 1, 2009

## **Documentation Revision**

Revision	Changes	Date	Author
1.0	Initial Release	April 21/09	R Malinis

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## **Reference Documents/Attachments:**

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

## **Approvals:**

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