

## **PART CHANGE NOTIFICATION (PCN) CFA632 v2.2 Hardware / v2.2 Firmware Wide Temperature Upgrade**

**PLEASE FORWARD THIS PCN TO ENGINEERS RESPONSIBLE FOR THIS PRODUCT**

This upgrade is part of our commitment to provide reliable, quality, and long-production lifetime parts. The new wide temperature range display modules will start shipping in volume the second quarter of 2011. The prior normal temperature range modules will become obsolete after inventory levels are depleted. Pricing has not changed, although it may be adjusted in the future.

### **Part Number Change**

The new CFA632 series modules has new part numbers. The new part numbers reflect that the LCD glass is now wide temperature instead of normal temperature range.

<b>Previous Part Number</b>	<b>New Wide Temp Part Number</b>
CFA632-NFA-KS	CFA632-NFG-KS
CFA632-NFA-KU	CFA632-NFG-KU
CFA632-YFB-KS	CFA632-YFH-KS
CFA632-YFB-KU	CFA632-YFH-KU
CFA632-YMC-KS	CFA632-YDI-KS
CFA632-YMC-KU	CFA632-YDI-KU

### **Backward Compatibility**

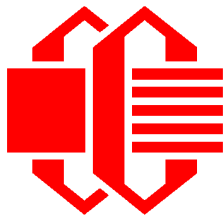
Because of the work we did to maintain backward compatibility, the new series should be a simple "drop in" replacement for the previous series. There should be no changes needed to your chassis or enclosure.

- All hardware dimensions are the same.
- The mounting hole sizes and locations are the same.
- The connector locations are the same.
- The only firmware change is to reflect the hardware version on the boot screen.

### **Changes**

Improvements are:

- The temperature range changed from normal temperature range (-0°C ~ +50°C operation / -10°C ~ +60°C storage) to wide temperature range (-20°C ~ +70°C operation / -30°C ~ +80°C storage).
- The bezel changed from black painted metal to stainless steel. Stainless steel has lower environmental impact and improves ESD protection. If your design has the bezel exposed, it will show the silver color of the stainless steel rather than the previous painted black bezel.
- The previous CFA632-YMC-KS and CFA632-YMC-KU (new CFA632-YDI-KS and CFA632-YDI-KU) changed from STN to double negative (FFSTN) LCD for improved appearance.
- Firmware was updated to reflect the hardware version on the boot screen



Visual differences between new wide temperature CFA632 and old CFA632 hardware:



Old standard temperature CFA632



New wide temperature CFA632

## FAQs

**Q: Will the change from normal to wide temperature range impact my product?**

Since the LCD glass is changing, the primary difference you may see is a change in your contrast settings. The improved quality of the LCD glass will provide better contrast. The standard settings we make prior to shipping will give you the best possible contrast under standard conditions. If you alter the standard setting, you may need to make adjustments.

**Q: Will the stainless steel bezel affect the appearance of my product?**

If your product followed proper design guidelines not to expose the bezel, the appearance of your product will not be changed.

**Q: Are there any special handling changes?**

No. We made every effort to ensure the new CFA632 modules may be handled in the same way as previous versions.

**Q: What if I have a semi-custom or defined part (DP) for my CFA632 modules?**

Our staff will contact you regarding making the transition to the new CFA632 modules. Your previous part number will be changed to reflect the new wide temperature part number. For example, "CFA632-NFA-KS\_DP12345" will become "CFA632-NFG-KS\_DP12345".

**Q: When can I have an engineering sample?**

Please send an email to [support@crystalfontz.com](mailto:support@crystalfontz.com) with your current part number, your name, a complete shipping address, and phone number. Please include any additional questions that you may have. When the new wide temperature CFA632 is available, we will process an order for an engineering sample for your evaluation.