



**Display Division**  
**KYOCERA Industrial Ceramics Corporation**  
46723 Five Mile Road  
Plymouth, MI 48170 USA  
Tel: 734-416-8500  
Fax: 734-416-8520  
www.kyocera-display.com

## **Engineering Change Notice**

Date: Sept 3<sup>rd</sup>, 2013

Dear Value Customer,

Thank you for choosing KYOCERA as your LCD solution provider. We appreciate the opportunity to support your business.

### **1. Product**

This is to notify a component change on below product:

F-55471GDFQJ-LW-ACN

F-55471GNBJ-LW-AHN

F-55471GNFJ-SLW-AIN

F-55471GNJ-LW-AKN

### **2. Background**

The LED chip supplier discontinued the current version LED (NESW008CT), the new replacement version (NSSW008CT-P1) has higher brightness level. With that, the overall LCD module brightness will be increased by approximately 20%. But the contrast ratio, chromaticity, viewing angle, etc. will remain the same. Please see next page for detail information.

### **3. Schedule**

- Part Number: no change, remain the same
- Specification Update: Sept 6<sup>th</sup>
- First Shipment : Sept 2013

Thank you for your understanding and your cooperation in advance. If you have any question, please contact KYOCERA sales representative.

Sincerely yours,

KYOCERA Industrial Ceramics Inc  
Display Division

## 1. Optical Performance

Items	Comment for difference
Design changed	No change at new product.
Brightness	Approx. 20% higher with new LED backlight
Contrast ratio	No change at new product
White/Red/Green/Blue Chromaticity	No change at new product
Brightness Uniformity	No change at new product
Viewing Angle	No change at new product
Response Time (Rise)	No change at new product.
Response Time (Decay)	No change at new product.

## 2. LED backlight Driving condition

If the driving current is kept at 105mA, the brightness will be 120% of the original version. If the customer requires the same brightness level, they need to reduce the LED current to ~87mA.

