

## Product Change Notification

Date: July 13<sup>th</sup>, 2017

Dear Valued Customer,

Thank you for choosing KYOCERA as your LCD solution provider. We appreciate the opportunity to support your business. This letter is to inform you of a product change due to component EOL.

### 1. Product

C-51505NFQJ-LG-AKN

### 2. Background

The LED chip supplier discontinued their product with very short notice. As the LED efficiency kept improving over the years, it is hard to find similar performance LED chips. The alternative LED chip we select has much higher brightness; hence the overall module brightness increases. Please check below for detail changes.

### 3. Change Point

25°C , VF=5V ,  $\theta=0^\circ$  ,  $\phi=0^\circ$  ,B/L IF=15mA

Parameter (項目)	Symbol (記号)	Condition (条件)	Min.	Typ. (参考)	Max.	Units (単位)
Luminance of Backlight Surface (照明表面輝度)	L	VF=5.0V	160⇒(420)	(270)⇒(570)	—	cd/m2

#### 4. Reliability Test

No.	Item	Condition	n (OK/input)	Judge
1	High Temp. Operating	70°C/D r y、500h Judge	3/3	OK
2	High Temp. Humidity Operating	40°C/90-95%RH、500h Judge	3/3	OK
3	Low Temp. Operating	-20°C/D r y、500h Judge	3/3	OK
4	Heat Shock Test Storage	-40⇔80°C、500cyc Judge	3/3	OK
5	Vibration Test	Total fixed amplitude : 1.5mm Vibration Frequency : 10~55Hz 60sec/1cyc、X,Y,Z axis each15min	3/3	OK

#### 5. Schedule:

Sample schedule: Now

MP schedule: Dec 2017 (running change, this is an estimation based on current stock)

We apologize for the inconvenience. Thank you in advance for your understanding and your cooperation.

If you have any questions, please contact your KYOCERA sales representative.

Sincerely yours,

KYOCERA International, Inc

Display Division