



Display Division
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Product Change Notification- Revision

Date: Feb 12th, 2016

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 provide you some product changing information.

1. **Product :** T-55787GD104J-LW-AHN

2. Reason for the ECN:

We announced an ECN in December 2015 regarding redesign of the backlight using higher efficiency LED chips to reduce heat from the backlight. Also, to improve the delivery management and ensure supply stability, we will produce the backlight unit in house.

Based on the customer's feedback, we decide to keep the part number unchanged. Please refer next page for the change details.

3. Change Schedule:

- Sample & Spec: Available now
- Customer approval: Mar 2016

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

Sincerely yours,

KYOCERA Industrial Ceramics Inc
Display Division

4. Detail of Changes:

4.1. Current Consumption

Current:

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Supply voltage	V_{IN}	-	10.8	12.0	13.2	V
Current consumption	I_{IN}	2)	-	(1030)	(1340)	mA

New:

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Supply voltage	V_{IN}	-	10.8	12.0	13.2	V
Current consumption	I_{IN}	2)	-	(570)	(740)	mA

4.2. Brightness Condition

Current:

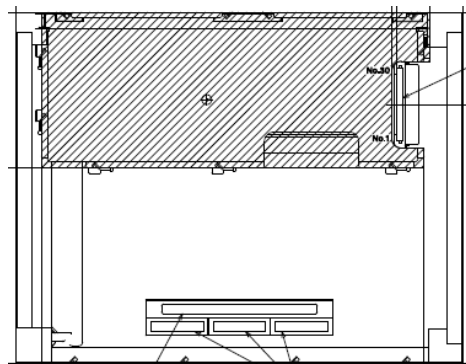
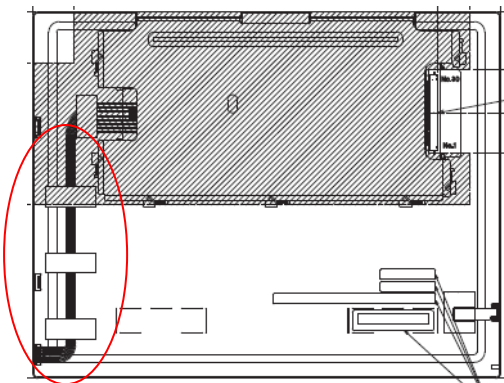
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Contrast ratio	CR	$\theta = \phi = 0^\circ$	500	750	-	-
Brightness	L	IF=100mA/Line	-	(1200)	-	cd/m ²

New:

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Contrast ratio	CR	$\theta = \phi = 0^\circ$	500	750	-	-
Brightness	L	IF=70mA/Line	-	(1200)	-	cd/m ²

4.3. By-pass connector

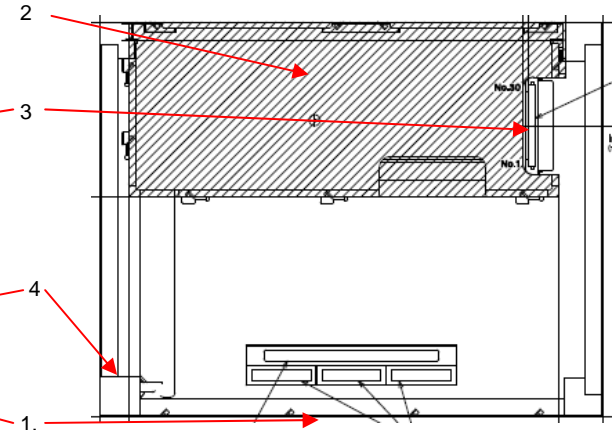
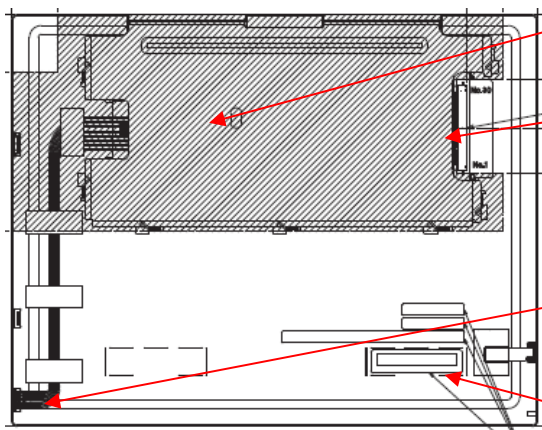
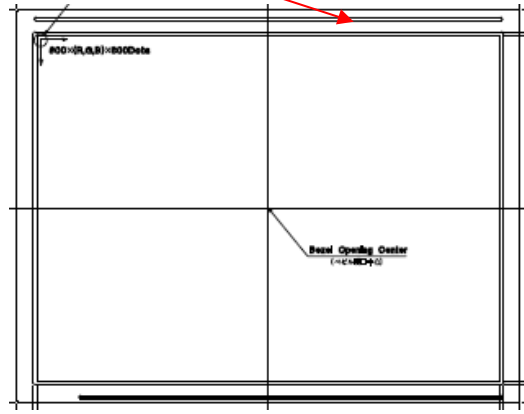
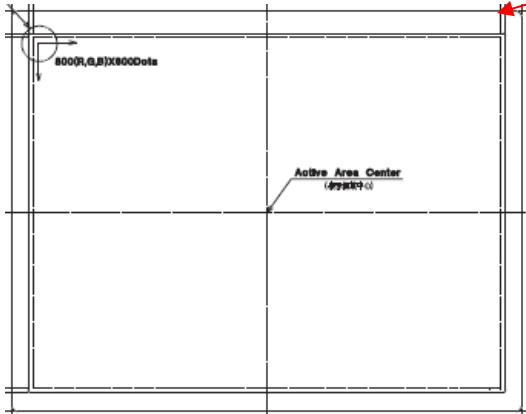
The LED backlight by-pass connector is removed; customer can utilize the built-in Constant Current Circuit (CCC) as before.



4.4. Design of front side

Current:

1. Design of front bezel is changed



1. Label Position is changed.
2. Design of Shield Cover is changed.
3. Location of connector slightly changed.
4. Location of LED-FPC is changed as the BL location is changed.

5. Reliability Test Plan

Test item	Test condition	Test time	Judgement
High temp. atmosphere	80°C	(240h)	Display function : No defect Display quality : No defect Current consumption : No defect
Low temp. atmosphere	-30°C	(240h)	Display function : No defect Display quality : No defect Current consumption : No defect
High temp. humidity atmosphere	40°C 90% RH	(240h)	Display function : No defect Display quality : No defect Current consumption : No defect
Temp. cycle	-30°C 0.5h R.T. 0.5h 80°C 0.5h	(10cycles)	Display function : No defect Display quality : No defect Current consumption : No defect
High temp. operation	80°C	(500h)	Display function : No defect Display quality : No defect Current consumption : No defect