



Bolymin, Inc.

Engineer Change Request

Attention:	All customers	ECR No.:	ECR-0000067
Title and Content:	Relayout the FPC of BL160128A series	Issuing Date:	2014/11/18
Related Product:	BL160128A series	Engineer Change Execution Date:	
Reason of ECR:	☐ Request by customer ☒ Quality improvement ☐ Cost reduction ☐ Design improvement ☐ Productivity improvement ☐ Materials EOL	Customer Evaluation [] Approval [] Conditional Approval [] Reject	
Detail of the Change:	In order to improve the efficiency of DC/DC, we will relayout FPC of BL160128A series. Unit Dimension Change: [] Yes. [V] No. Electronic Feature Change: [V] Yes. [] No.	Comments:	
Usage of Old Material:	We will use the old material first, and then use the new material.	New sample Request: [] Yes, _____ pcs [] No.	
Affection Scope and Further Explanation:	For quality improvement, please help us to execute this ECR as soon as possible.	Signature/Date:	

BEFORE

VDD=3.3V input
OLED:Brightness:60cd/m2 (min.),80cd/m2 (Typ.)
CIE:x:0.27~0.35 ;y:0.29~0.37 (White)
VDD (Full screen): 220mA,VCC~=14V
VDD (Screen off):20mA,VCC~=17.1V
voltage difference: 3.1V

Brightness:

Date	Time	x	y	Y	SN#
2014/9/30	13:59:01	0.334	0.381	79.6	Sample 1
2014/9/30	13:59:05	0.334	0.381	79.2	
2014/9/30	13:59:07	0.334	0.381	79.6	
2014/9/30	14:03:45	0.330	0.373	71.3	Sample 2
2014/9/30	14:03:49	0.329	0.370	71.1	
2014/9/30	14:03:56	0.328	0.369	71.0	
2014/9/30	14:05:30	0.338	0.389	77.6	Sample 3
2014/9/30	14:05:34	0.337	0.387	77.4	
2014/9/30	14:05:42	0.336	0.386	76.9	

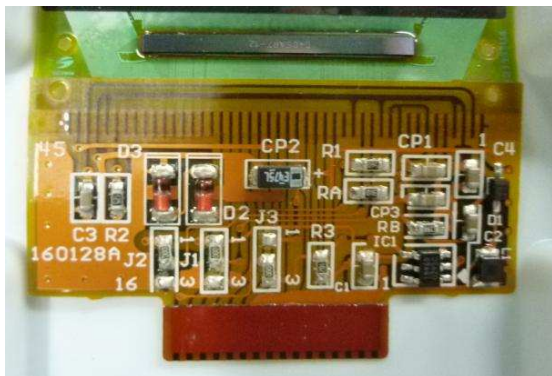
AFTER

VDD=3.3V input
OLED:Brightness:60cd/m2 (min.),80cd/m2 (Typ.)
CIE:x:0.27~0.35 ;y:0.29~0.37 (White)
VDD (Full screen):260mA,VCC~=16V
VDD (Screen off):20mA,VCC~=17.1V
voltage difference: 1.1V

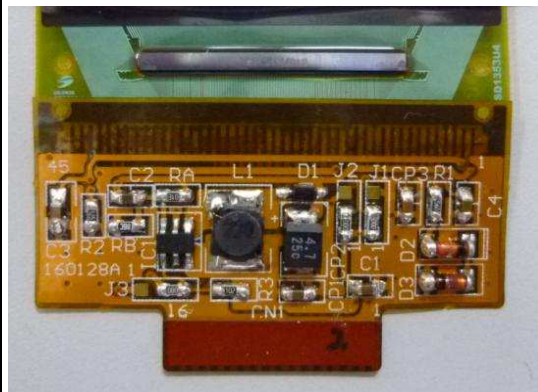
Brightness:

Date	Time	x	y	Y	SN#
2014/9/30	14:19:33	0.298	0.339	91.1	Sample 1
2014/9/30	14:19:41	0.298	0.340	91.3	
2014/9/30	14:19:49	0.299	0.341	90.9	
2014/9/30	14:23:05	0.298	0.343	92.3	Sample 2
2014/9/30	14:23:09	0.297	0.342	93.2	
2014/9/30	14:23:13	0.297	0.343	93.0	

FPC appearance



FPC appearance



Checked by:	Clair Chen 2014/12/03	Prepared by:	/ / 2014
Remark: This is a Engineer Change Notice, sincerely to inform you that there will be a Engineer Change to be applied on Bolymin product. Thanks very much for your understanding and cooperation.			