TO : Customer

DATE : 2015.07.09

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DOCUMENTATION FOR APPROVAL

PRODUCT : LED BACKLIGHT DRIVER (RoHS)
MODEL NAME : GH682A(A1)
GCCT NAME : GCCT682AA

APPROVAL	CHECKED	WRITTEN

PLEASE RETURN ONE DOCUMENT AFTER APPROVED SIGN.

GREEN C&C TECH	LED DRIVER SPECIFICATION GH682A(A1)	Publishing Date Reforming Date	2015.07.09

NO	Date	REVISION	Page

REVISION HISTORY

REV.														
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REV.	0	0	0	0	0									
Page	1	2	3	4	5									
										Page Rev.		0	Page	1

1. APPLICATION

This Document Specified The Detailed Product Requirement of LED driver GH682A(A1)

2. SUITABLE LOAD

LCD MODULE : 32" 1 channels LED BLU TFT LCD

3. ELECTRICAL CHARATERISTICS

3.1. Absolute Maximum Ratings

Item	Symbol	Spec.	Unit	Remarks
Input Voltage 1	Vin	21.6~26.4	V	
Input Voltage 2	ON/OFF	5.25	V	
Operating Temperature	Top	-20~70	℃	
Storage Temperature	Tstg	-30~80	℃	
Relative Humidity	RH	80	%	

3.2. Control Signal

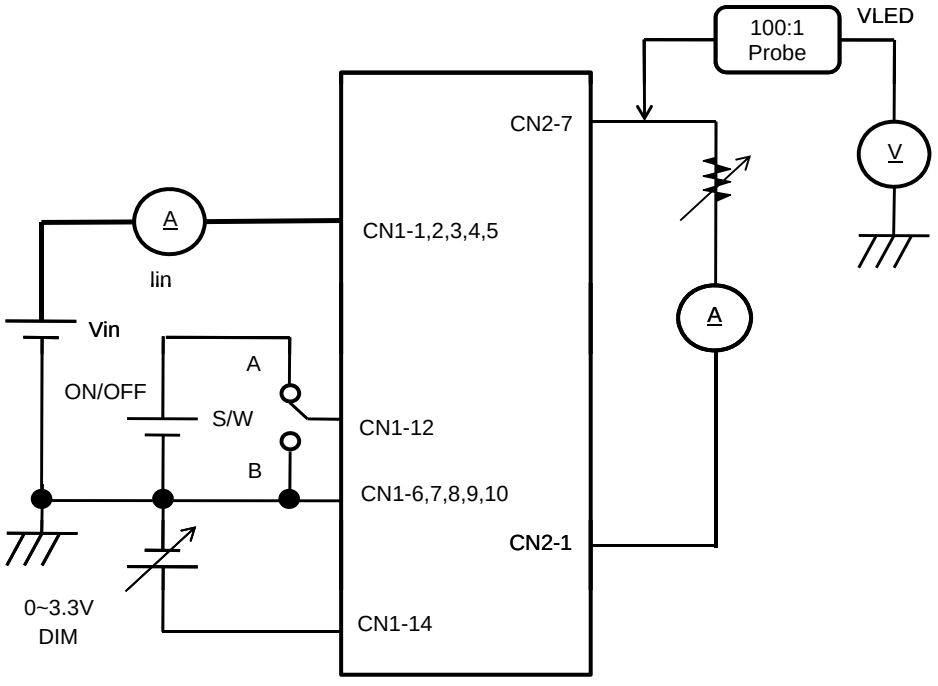
PIN No.	Symbol	Status	Action	Remarks
CN1 #9	ON/OFF	HIGH	LED - ON	2.4 ~ 5.25V
		LOW	LED - OFF	0.8 V Max

3.3. Output Characteristics

Item	Sym.	Condition	Min.	Typ.	Max.	Unit
Input Voltage	Vin	-	21.6	-	26.4	Vdc
Input Current	Iin	Vin=24V, Dim=3.3V	-	-	2.0	A
Output Current	Iout (Max)	Vin=24V, Dim=3.3V	230.0	250.0	270.0	mAmean
	Iout (Min)	Vin=24V, Dim=0V	72.0	80.0	88.0	
Output Voltage	VLED	Vin=24V, Dim=3.3V	111.6	118.8	127.8	Vdc
Backlight ON/OFF Control	ON	-	2.4	-	3.6	Vdc
	OFF	-	-0.3	-	0.8	

3.4. Test Circuit

-. S/W : A --> BLU ON
B --> BLU OFF



4. INTERFACE

4.1. CN1 Connector (Input) : 20022WR-14AML (YEONHO) or Equivalent

PIN No.	Symbol	Description
1,2,3,4,5	VIN	Voltage Input : 24V (Typ.)
6,7,8,9,10	GND	Ground
11, 13	N.C	No Connection
12	ON/OFF	LED DRIVER ON/OFF Control
14	DIM	Analog 3.3V(MAX)~0V(MIN)

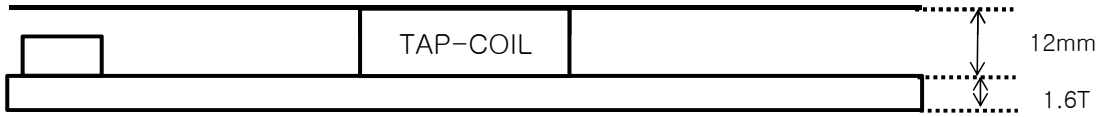
4.2. CN2 Connector (Output) : 20037WR-07 (YEONHO) or Equivalent

PIN No.	Symbol	Description
1	FB_L	Feedback Left (Return)
2	N.C	No Connection
3	VLED_L	No Connection
4	N.C	No Connection
5	FB_R	No Connection
6	N.C	No Connection
7	VLED_R	System Output

5. APPERANCE (Unit : mm)

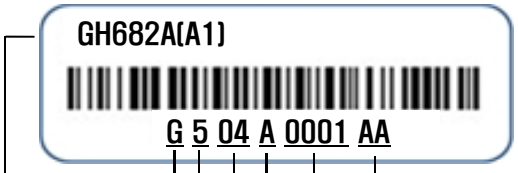
(Tolerance : +0.8mm, -0.2mm)





6. NOTATION OF LOT NUMBER

MARKING : TOP



GH682A(A1)	: USER MODEL CODE
G	: MANUFACTURER CODE (GREEN C&C TECH.)
5	: YEAR OF PRODUCT 5 → 2015 , 6 → 2016 , ... , 9 → 2019
04	: WEEK OF PRODUCT 01,02,03,04,...52
A	: PUBLICATION NUMBER A,B,C,…,Z,0,1,2,...,9
0001	: SERIAL NUMBER 0001,0002.....9998,9999
AA	: GCCT MODEL CODE (GCCT682AA)