TO : Customer

DATE : 2018.08.07

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DOCUMENTATION FOR APPROVAL

PRODUCT : LED BACKLIGHT DRIVER (RoHS)
MODEL NAME : GH766A(A1)
GCCT NAME : GCCT766AA

APPROVAL	CHECKED	WRITTEN

PLEASE RETURN ONE DOCUMENT AFTER APPROVED SIGN.

GREEN C&C TECH	LED DRIVER SPECIFICATION GH766A(A1)	Publishing Date Reforming Date	2018.08.07

NO	Date	REVISION	Page

REVISION HISTORY

REV.														
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REV.	0	0	0	0	0									
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										Page Rev.		0	Page	1

1. APPLICATION

This Document Specified The Detailed Product Requirement of LED driver GH766A(A1)

2. SUITABLE LOAD

LCD MODULE : 4 Strings LED BLU TFT LCD

3. ELECTRICAL CHARATERISTICS

3.1. Absolute Maximum Ratings

Item	Symbol	Spec.	Unit	Remarks
Input Voltage 1	Vin	10.8~26.4	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

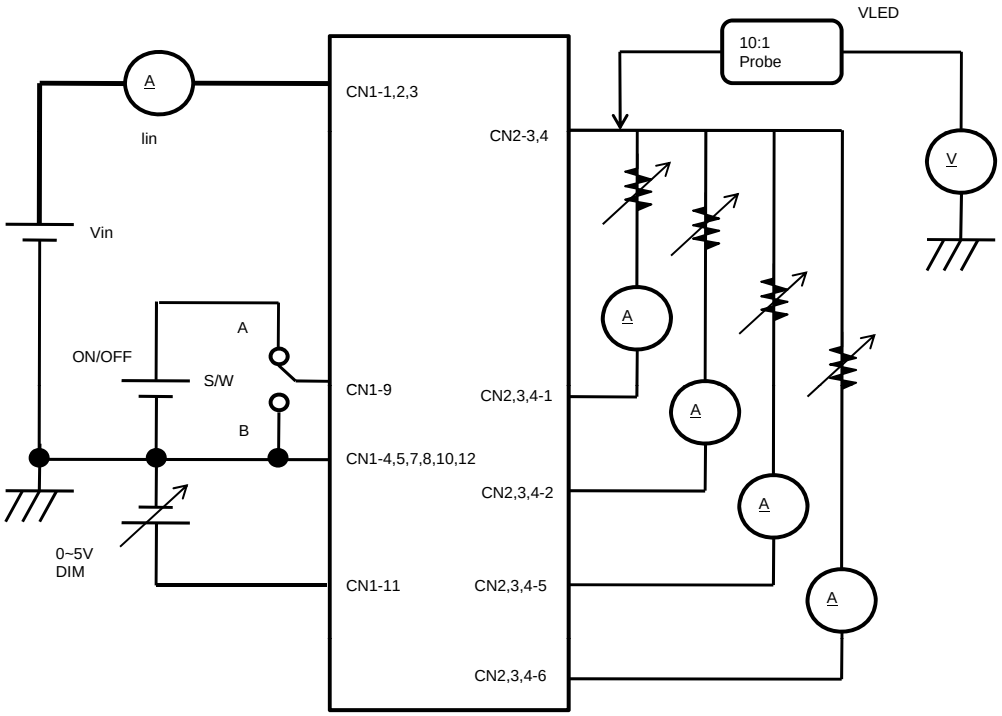
3.3. Output Characteristics

Item	Sym.	Condition	Min.	Typ.	Max.	Unit
Input Voltage	Vin	-	10.8	12.0	26.4	Vdc
Input Current	Iin	Vin=12V, Dim=0V	-	-	2.5	A
Output Current	Iout (Max)	Vin=12V, Dim=0V	100.0	110.0	120.0	mAmean
	Iout (Min)	Vin=12V, Dim=5V	15.0	20.0	25.0	
Backlight ON/OFF Control	ON	-	2.4	-	5.25	Vdc
	OFF	-	-0.3	-	0.8	

*** Output Voltage is greater than Input Voltage for at least 3V or more.**

3.4. Test Circuit

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



4. INTERFACE

4.1. CN1 Connector (Input) : 12505WR-12A (YEONHO) or Equivalent

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

4.2. CN2 Connector (Output) : 12507WR-06L (YEONHO) or Equivalent

PIN No.	Symbol	Description
1	FB1	Feedback 1 (Return 1)
2	FB2	Feedback 2 (Return 2)
3	VLED	System Output
4	VLED	System Output
5	FB3	Feedback 3 (Return 3)
6	FB4	Feedback 4 (Return 4)

4.3. CN3 Connector (Output) : 10019HR-H06B (YEONHO) or Equivalent

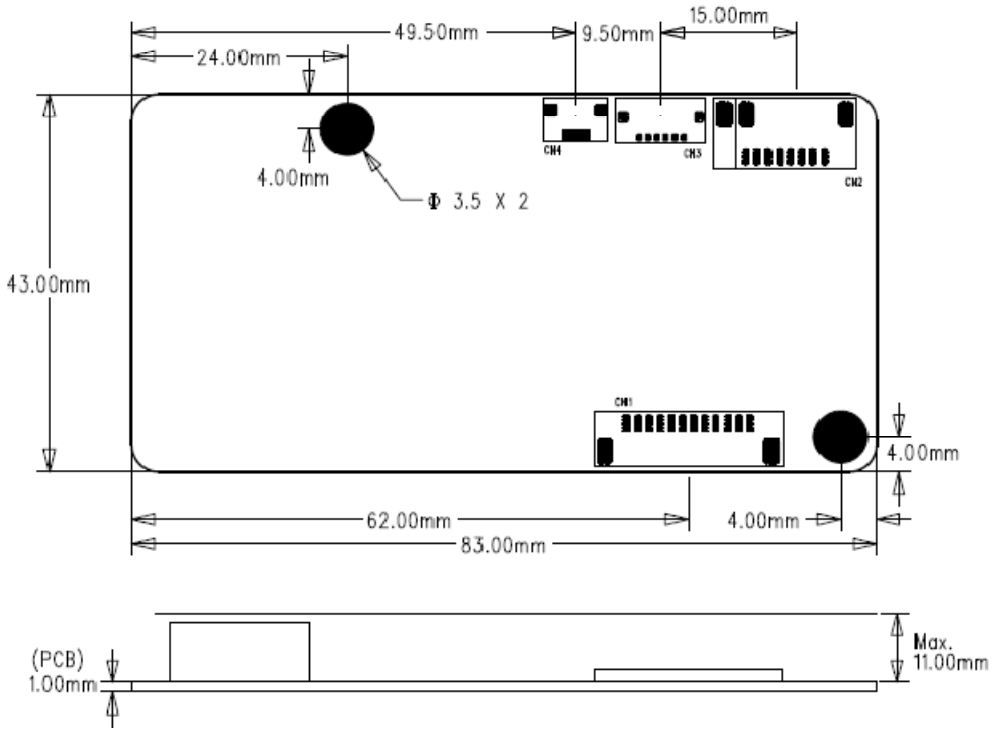
PIN No.	Symbol	Description
1	FB1	Feedback 1 (Return 1)
2	FB2	Feedback 2 (Return 2)
3	VLED	System Output
4	VLED	System Output
5	FB3	Feedback 3 (Return 3)
6	FB4	Feedback 4 (Return 4)

4.4. CN4 Connector (Output) : 05002HR-H06CE(G) (YEONHO) or Equivalent

PIN No.	Symbol	Description
1	FB1	Feedback 1 (Return 1)
2	FB2	Feedback 2 (Return 2)
3	VLED	System Output
4	VLED	System Output
5	FB3	Feedback 3 (Return 3)
6	FB4	Feedback 4 (Return 4)

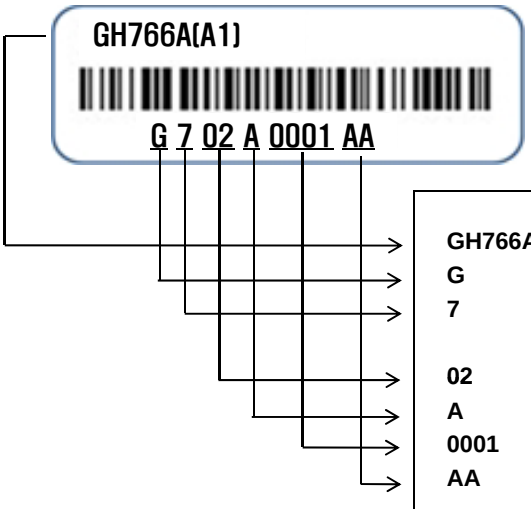
5. APPERANCE (Unit : mm)

(Tolerance : +0.8mm, -0.2mm)



6. NOTATION OF LOT NUMBER

MARKING:BOTTOM



GH766A(A1)	: USER MODEL CODE
G	: MANUFACTURER CODE (GREEN C&C TECH.)
7	: YEAR OF PRODUCT 7 → 2017 , 8 → 2018 , ... , 3 → 2023
02	: 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 (GCCT766AA)