

TO : customers

DATE : 2011.09.16

GREEN C&C TECH CO.,LTD
332-3, CHUNGHO-RI,
JINWI-MYEON, PYEONGTAEK-CITY,
GYEONGGI-DO, KOREA 451-861
TEL : 82-31-373-3623~3625
FAX : 82-31-373-3610

DOCUMENTATION FOR APPROVAL

PRODUCT : CCFL BACKLIGHT INVERTER(RoHS)

MODEL NAME : GH116A

GCCT NAME : GCCT116AC

APPROVAL	CHECKED	WRITTEN

PLEASE RETURN ONE DOCUMENT AFTER APPROVED SIGN.

--

GREEN C&C TECH	INVERTER SPECIFICATION GH116A	R&D DATE : 2011.09.16
----------------	----------------------------------	--------------------------

NO	DATE	REVISION	PAGE
1	2008.04.30	- PCB Vendor changed	7
2	2011.09.16	- Changed PCB Vendor WONKYUNG, JOONGWON, SOOJOO, SEENDUCK, RAMI → WONKYUNG, SEOKANG, BACKSONG, TAESUNG HITECH - Changed FUSE Vendor KE40/KMS40, BA100 4A, F1206FA4000V032T → KMS40, CC12H4A, CCP2B80, F1206FA4000V032T - Changed FET Vendor STM8405, AO4606, SP8M3, AP4503GM → AP4503GM, AP4506GM, AP4509GM, AO4606, AO4614BL	7 6
REVISION HISTORY			

REV.											
Page											
REV.	0										
Page	12										
REV.	2	0	0	0	0	1	2	0	0	0	0
Page	1	2	3	4	5	6	7	8	9	10	11

GREEN C&C TECH	INVERTER SPECIFICATION GH116A	R&D DATE : 2006.03.02
----------------	----------------------------------	--------------------------

1. APPLICATION

This Document Specified The Detailed Product Requirements of Inverter
GH116A

2. SUITABLE LOAD

LCD MODULE : 15", 17", 19" 4LAMP

3. ELECTRICAL CHARACTERISTICS

3-1. Absolute Maximum Ratings

ITEM	SYMBOL	SPEC	UNIT	REMARKS
INPUT VOLTAGE1	Vin1	10.8~13.2	V	
INPUT VOLTAGE2	Vin2	5.25	V	
OPERATING TEMPERATURE	Top	0 ~ 50	℃	
STORAGE TEMPERATURE	Tstg	-30 ~ 80	℃	
RELATIVE HUMIDITY	RH	90	%	

3-2. Control Signal

PIN NO.	SYMBOL	STATUS	ACTION	REMARKS
CN1 #4	BKLT_ON	HIGH	LAMP(CCFL)-ON	2.4~5.25V
		LOW	LAMP(CCFL)-OFF	0.8V MAX

GREEN C&C TECH	INVERTER SPECIFICATION GH116A	R&D DATE : 2006.03.02
----------------	--	--------------------------

3-3. Output Characteristics

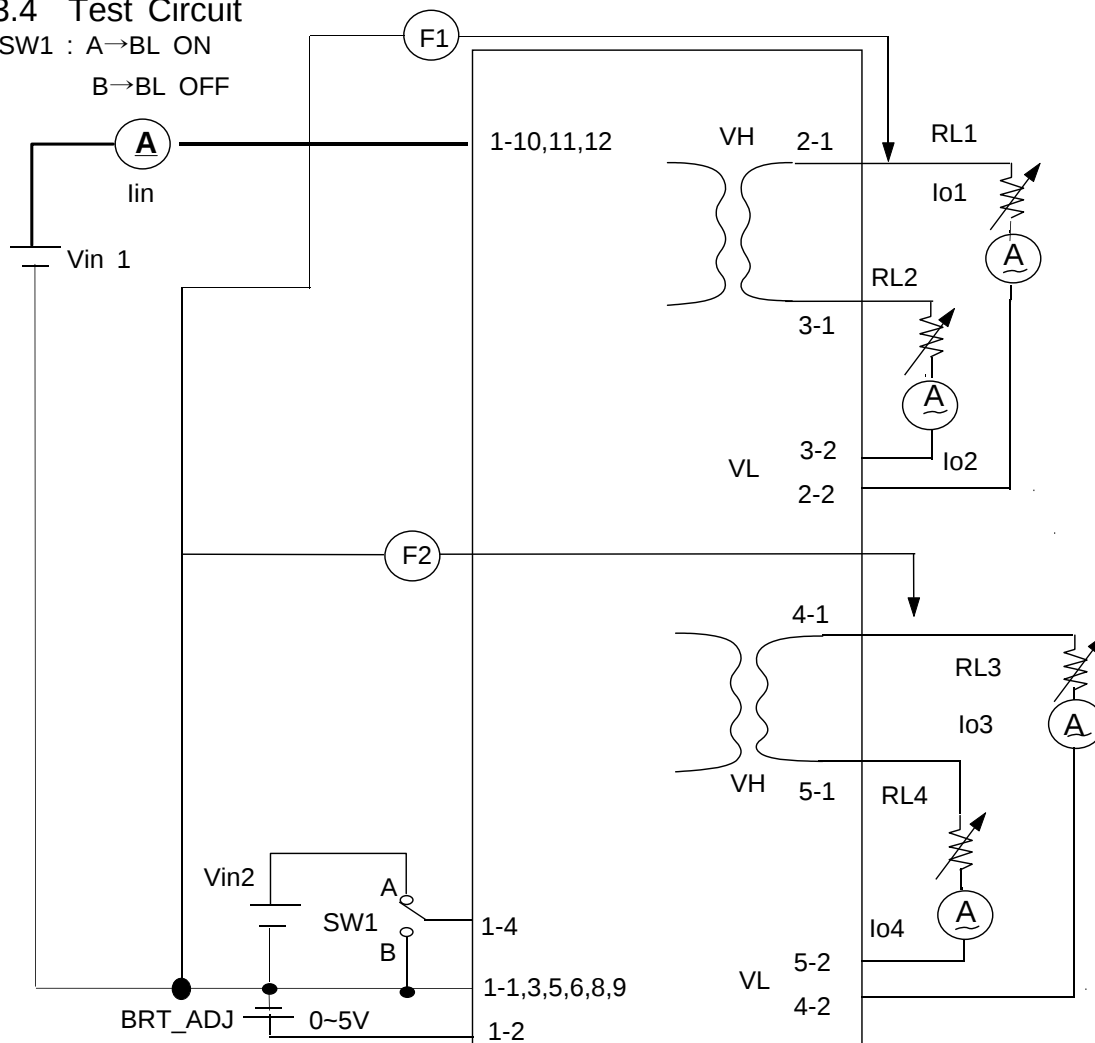
ITEM	SYMBOL	CONDITION			SPECIFICATION			UNIT
		Vin1(V) (DC-IN)	BRT- ADJ	RL1,2(k Ω) RL3,4(k Ω)	MIN	TYP	MAX	
OUTPUT CURRENT	Io1,2(max)	12	0V	LAMP	6.0	6.5	7.0	mArms
	Io1,2(min)	12	5V	LAMP	3.0	3.5	4.0	
	Io3,4(max)	12	0V	LAMP	6.0	6.5	7.0	
	Io3,4(min)	12	5V	LAMP	3.0	3.5	4.0	
INPUT CURRENT	Iin(1)	12	0V	LAMP	1.4	1.8	2.2	ADC
FREQUENCY	F(1)	12	0V	LAMP	45	50	55	KHz
FREQUENCY	F(2)	12	0V	LAMP	45	50	55	KHz

<Note> Output current are determined after the unit has been 'ON' and stable for approximately 30 minutes

3.4 Test Circuit

-SW1 : A→BL ON

B→BL OFF



GREEN C&C TECH	INVERTER SPECIFICATION GH116A	R&D DATE : 2006.03.02
----------------	----------------------------------	--------------------------

4. INTERFACE

4.1 CN1 CONNECTOR : 53261-1290 or Equivalent

PIN NO	SYMBOL	REMARK
2	BRT_ADJ	0 ~ 5V
1,3,5,6,8,9	GND	GND
4	BL ON/OFF	CCFL Drive SIGNAL(Active HIGH)
7	N.C	
10,11,12	DC-IN(Vin)	DC INPUT Power (12V)

4.2 CN2 CONNECTOR : SM02B-BHSS-1-TB(JST) or Equivalent

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

4.3 CN3 CONNECTOR : SM02B-BHSS-1-TB(JST) or Equivalent

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

4.4 CN4 CONNECTOR : SM02B-BHSS-1-TB(JST) or Equivalent

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

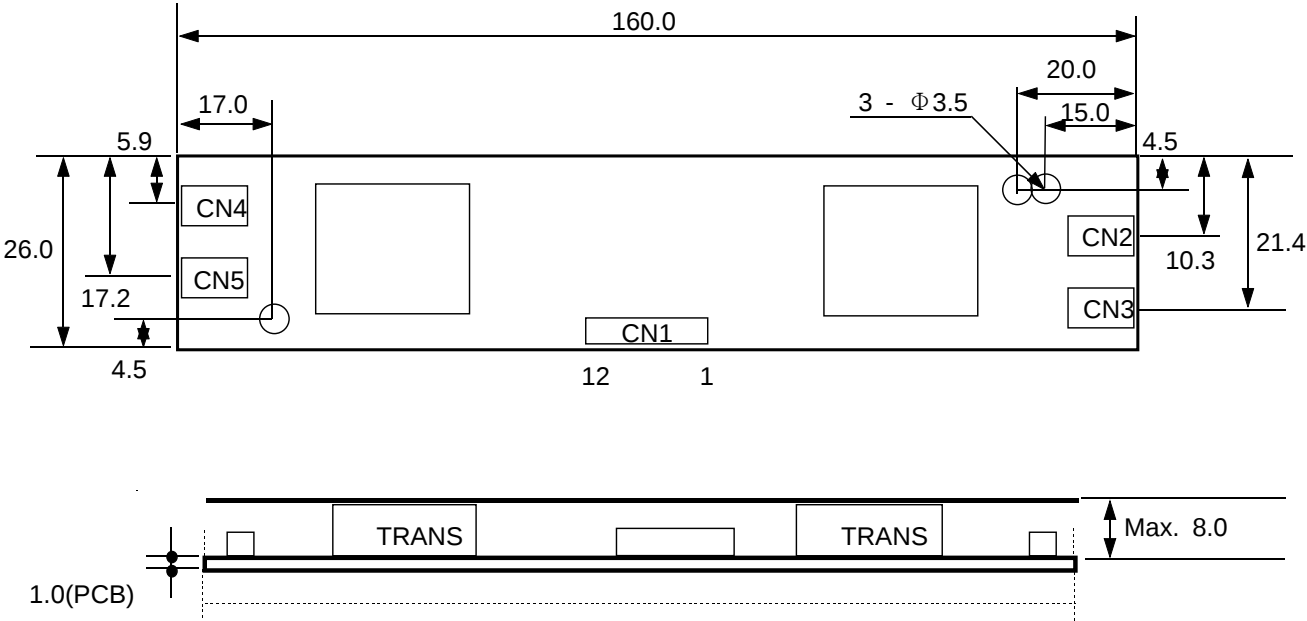
4.5 CN5 CONNECTOR : SM02B-BHSS-1-TB(JST) or Equivalent

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

GREEN C&C TECH	INVERTER SPECIFICATION GH116A	R&D DATE : 2006.03.02
----------------	----------------------------------	--------------------------

5. APPEARANCE (UNIT : mm)

(TOLERANCE: ±0.2mm)



6. NOTATION OF LOT NUMBER

MARKING : BOTTOM OF PCB.

GH116A
YYWWMMMM

GH116A	: MODEL NAME
YY	: YEAR OF PRODUCT '01,'02,'03,'04,...'10,'11,'12
WW	: WEEK OF PRODUCT 01,02,03,04,...53
MMMM	: SERIAL NUMBER 0001,0002.....9998,9999