

TO : Customers

DATE : 2012.09.25

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DOCUMENTATION FOR APPROVAL

PRODUCT : CCFL BACKLIGHT INVERTER

MODEL NAME : GH115A(A8)(RoHS INVERTER)

GCCT NAME : GCCT115AI

APPROVAL	CHECKED	WRITTEN

PLEASE RETURN ONE DOCUMENT AFTER APPROVED SIGN.

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GREEN C&C TECH	INVERTER SPECIFICATION GH115A(A8)	R&D DATE : 2012.09.25
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1. APPLICATION

This Document Specified The Detailed Product Requirements of Inverter
GH115A(A8)

2. SUITABLE LOAD

LCD MODULE : 15.3"WIDE, 17"WIDE 4LAMP TFT LCD

3. ELECTRICAL CHARACTERISTICS

3.1. Absolute Maximum Ratings

ITEM	SYMBOL	SPEC	UNIT	REMARKS
INPUT VOLTAGE1	Vin	11.5V~13.5V	V	
INPUT VOLTAGE2	ON/OFF	4.9~5.1	V	
OPERATING TEMPERATURE	Top	-30~85	℃	
STORAGE TEMPERATURE	Tstg	-30~85	℃	
RELATIVE HUMIDITY	RH	90	%	

3.2. Control Signal

PIN NO.	SYMBOL	STATUS	ACTION	REMARKS
CN1 #9	ON/OFF	HIGH	LAMP(CCFL)-ON	2.4~5.25V
		LOW	LAMP(CCFL)-OFF	0.8V MAX

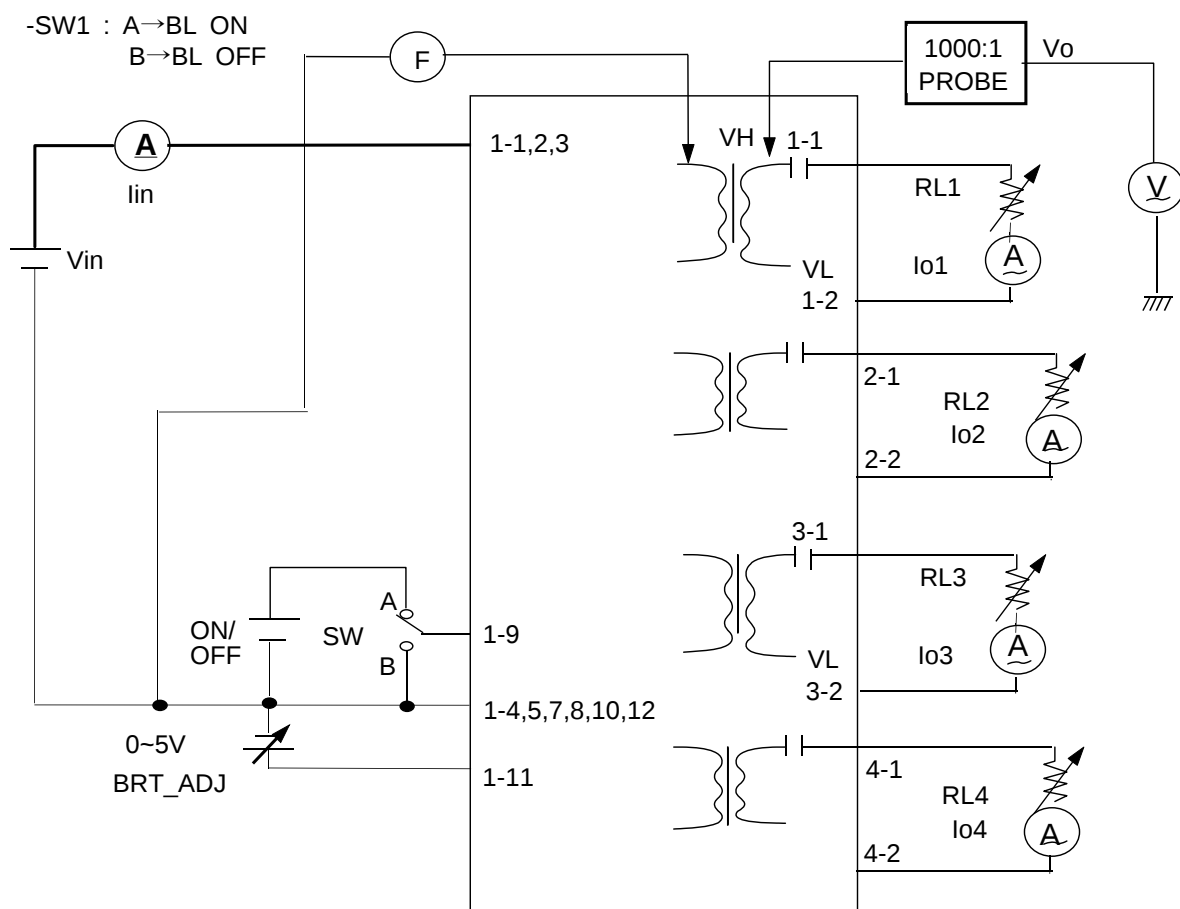
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3.3. Output Characteristics

ITEM	SYMBOL	CONDITION			SPECIFICATION			UNIT
		Vin(V) (DC-IN)	BRT- ADJ	RL1,2,3,4 (k Ω)	MIN	TYP	MAX	
INPUT CURRENT	lin	12	0V	100 $\pm$ 0.5	-	-	2.0	ADC
OUTPUT CURRENT	Io1,2,3,4(max)	12	0V	100 $\pm$ 0.5	5.5	6.0	6.5	mArms
	Io1,2,3,4(min)	12	5V	100 $\pm$ 0.5	2.4	2.9	3.4	
FREQUENCY	F	12	0V	100 $\pm$ 0.5	50	55	60	KHz

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

3.4. Test Circuit



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4. INTERFACE

4.1. CN1 CONNECTOR : 12505WR-12A00(P)(YEONHO) / Equivalent

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

<Note> Count from left to right

4.2. CN2 CONNECTOR : 20015WR-05A00(P) (YEONHO) / Equivalent

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

4.3. CN3 CONNECTOR : 20015WR-05A00(P) (YEONHO) / Equivalent

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

4.4. CN4 CONNECTOR : 20015WR-05A00(P) (YEONHO) / Equivalent

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

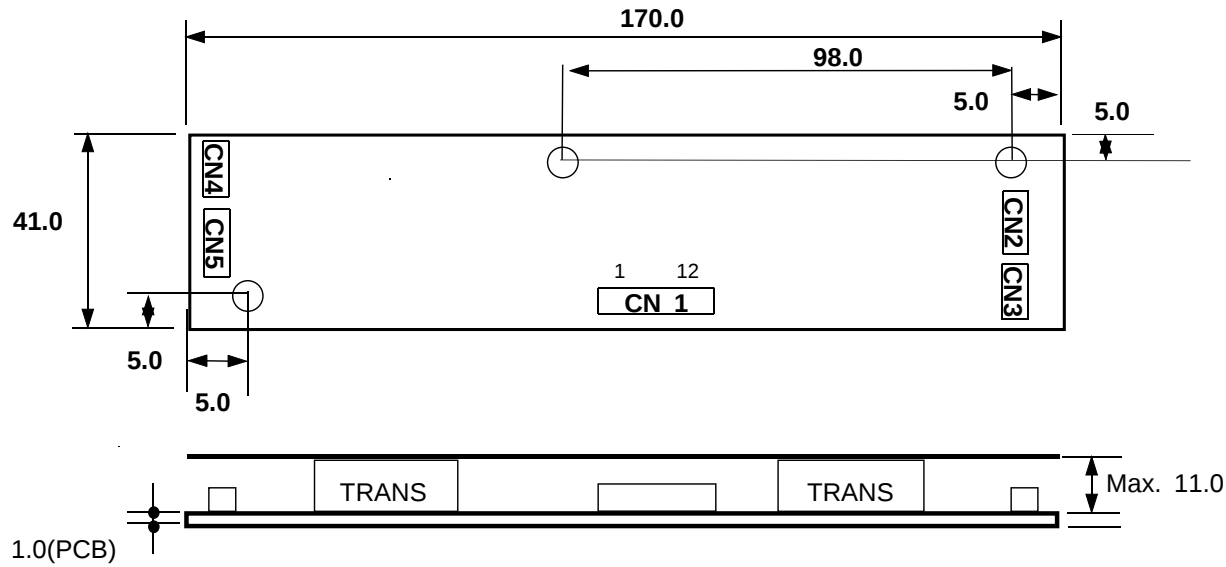
4.5. CN5 CONNECTOR : 20015WR-05A00(P) (YEONHO) / Equivalent

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

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5. APPEARANCE (UNIT : mm)

(TOLERANCE: -0.2mm, +0.8mm)



6. NOTATION OF LOT NUMBER

MARKING : BOTTOM OF PCB.



GH115A(A8)	: USER MODEL CODE
G	: MANUFACTURER CODE (GREEN C&C TECH.)
7	: YEAR OF PRODUCT 7 → 2007 , 8 → 2008 , ... , 1 → 2011
04	: WEEK OF PRODUCT 01,02,03,04,...52
0001	: SERIAL NUMBER 0001,0002.....9998,9999
AI	: GCCT MODEL CODE (GCCT115AI)