

TO : customers

DATE : 2003.10.02

GREEN C&C TECH CO.,LTD
2nd #898-43 HOGYE-DONG DONGAN-KU
ANYANG CITY,KOREA
TEL : 82-31-458-9105,9163
FAX : 82-31-458-9135

DOCUMENTATION FOR APPROVAL

PRODUCT : CCFL BACKLIGHT INVERTER

MODEL NAME : GH115A

GCCT NAME : GCCT115AA

APPROVAL	CHECKED	WRITTEN

PLEASE RETURN ONE DOCEMENTS AFTER APPROVED SIGN.

GREEN C&C TECH	<p style="text-align: center;">INVERTER SPECIFICATION (GH115A)</p>	<p style="text-align: right;">R&D DATE : 2003.10.02</p>
----------------	--	---

NO	DATE	REVISION	PAGE
REVISION HISTORY			

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

GREEN C&C TECH	INVERTER SPECIFICATION (GH115A)	R&D DATE : 2003.10.02
----------------	------------------------------------	--------------------------

1. APPLICATION

This Document Specified The Detailed Product Requirements of Inverter GH115A

2. SUITABLE LOAD

LCD MODULE : 19" 4LAMP TFT LCD

3. ELECTRICAL CHARACTERISTICS

3-1. Absolute Maximum Ratings

ITEM	SYMBOL	SPEC	UNIT	REMARKS
INPUT VOLTAGE1	Vin1	11.5~12.5	V	
INPUT VOLTAGE2	Vin2	4.9~5.1	V	
OPERATING TEMPERATURE	Top	0 50		
STORAGE TEMPERATURE	Tstg	-30 80		
RELATIVE HUMIDITY	RH	90	%	

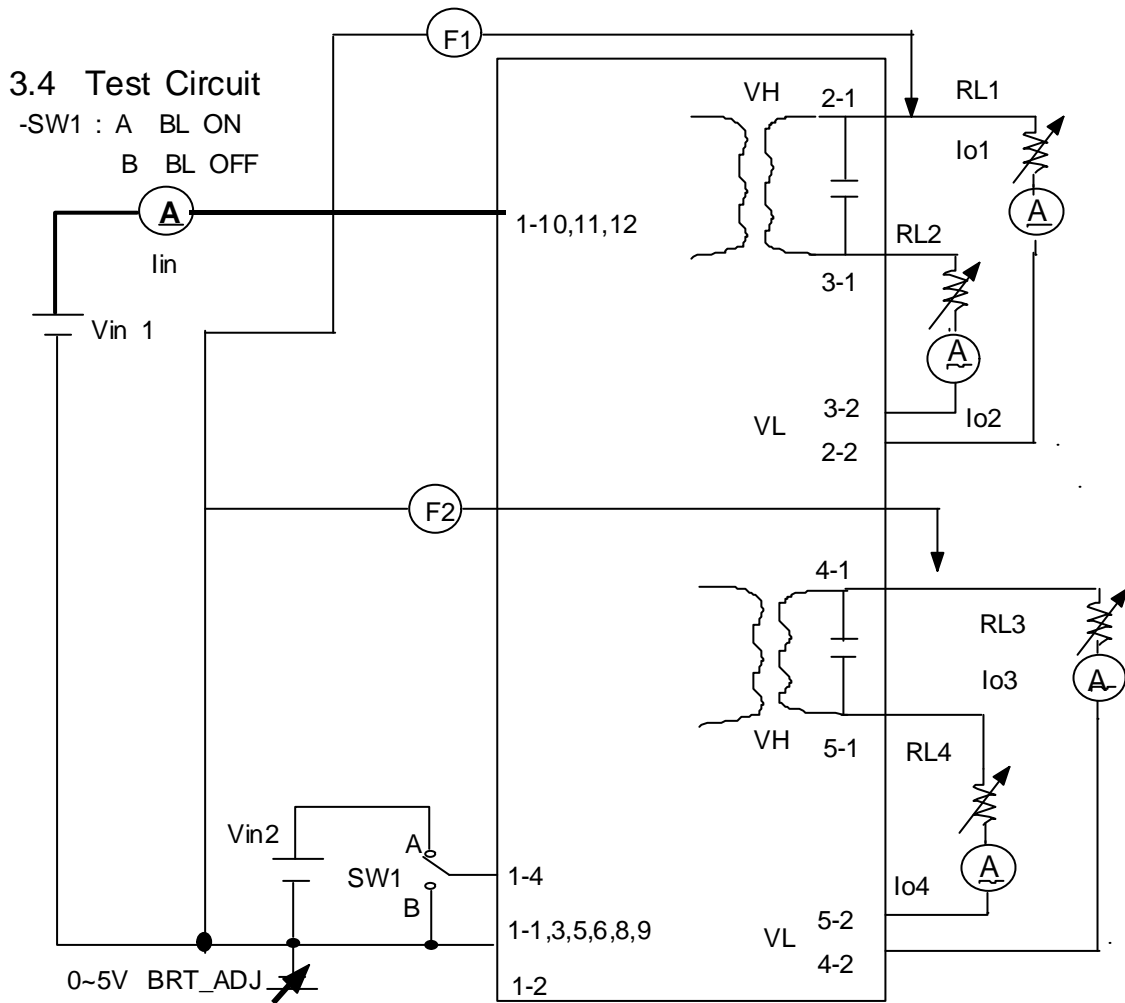
3-2. Control Signal

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 (GH115A)	R&D DATE : 2003.10.02
----------------	---	--------------------------

3-3. Output Characteristics

ITEM	SYMBOL	CONDITION			SPECIFICATION			UNIT
		Vin1(V) (DC-IN)	BRT- ADJ	RL1,2(kΩ) RL3,4(kΩ)	MIN	TYP	MAX	
OUTPUT CURRENT	Io1,2(max)	11.5~12.5	0V	80±0.5	7.0	7.5	8.0	mArms
	Io1,2(min)	11.5~12.5	5V	80±0.5	3.0	3.5	4.0	
	Io3,4(max)	11.5~12.5	0V	80±0.5	7.0	7.5	8.0	
	Io3,4(min)	11.5~12.5	5V	80±0.5	3.0	3.5	4.0	
INPUT CURRENT	Iin(1)	12	0V	80±0.5	1.7	2.1	2.5	ADC
LAMP VOLTAGE	V	12V	0V	80±0.5	-	750	-	Vrms
OPEN VOLTAGE	V	12V	0V	-	-	1400	-	Vrms
FREQUENCY	F(1)	12	0V	80±0.5	45	50	60	KHz
FREQUENCY	F(2)	12	0V	80±0.5	45	50	60	KHz



GREEN C&C TECH	INVERTER SPECIFICATION (GH115A)	R&D DATE : 2003.10.02
----------------	------------------------------------	--------------------------

4. INTERFACE

4.1 CN1 CONNECTOR : 53261-1290

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 HIGHT)
7	N.C	
10,11,12	DC-IN(Vin)	DC INPUT Power (12V)

4.2 CN2 CONNECTOR : SM02(8.0)-BHS-1-TB(JST)

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
3	COLD	LOW

4.3 CN2 CONNECTOR : SM02(8.0)-BHS-1-TB(JST)

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
3	COLD	LOW

4.4 CN2 CONNECTOR : SM02(8.0)-BHS-1-TB(JST)

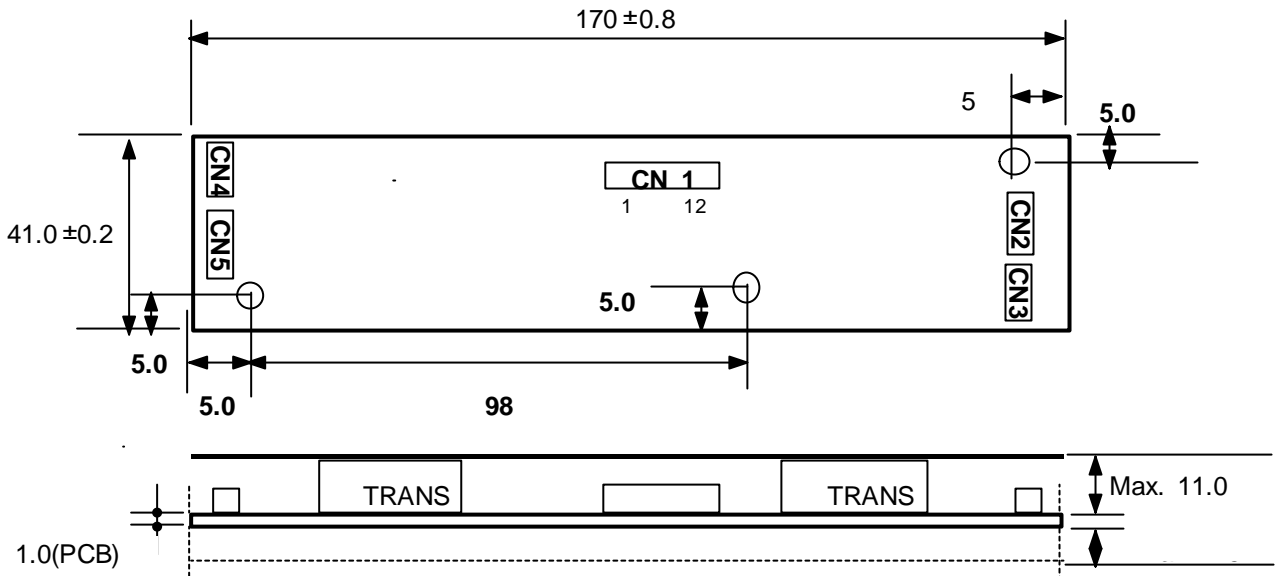
PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
3	COLD	LOW

4.5 CN2 CONNECTOR : SM02(8.0)-BHS-1-TB(JST)

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
3	COLD	LOW

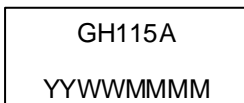
GREEN C&C TECH	INVERTER SPECIFICATION (GH115A)	R&D DATE : 2003.10.02
----------------	------------------------------------	--------------------------

5. APPEARANCE (UNIT : mm)



6. NOTATION OF LOT NUMBER

MARKING : BOTTOM OF PCB.



GH115A : MODEL NAME
 YY : YEAR OF PRODUCT 91,'92,'93,'94,...'00,'01
 WW : WEEK OF PRODUCT 01,02,03,04,...53
 MMMM : SERIAL NUMBER 0001,0002.....9998,9999