GREEN C&C TECH	INVERTER SPECIFICATION (GH001A)	R&D DATE : 2002.03.21

NO	DATE	REVISION	PAGE

REVISION HISTORY

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1. APPLICATION

This Document Specified The Detailed Product Requirements of Inverter **GH00**1B FOR Customers.

2. SUITABLE LOAD

LCD MODULE : LG 15.1" 2LAMP 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	%	

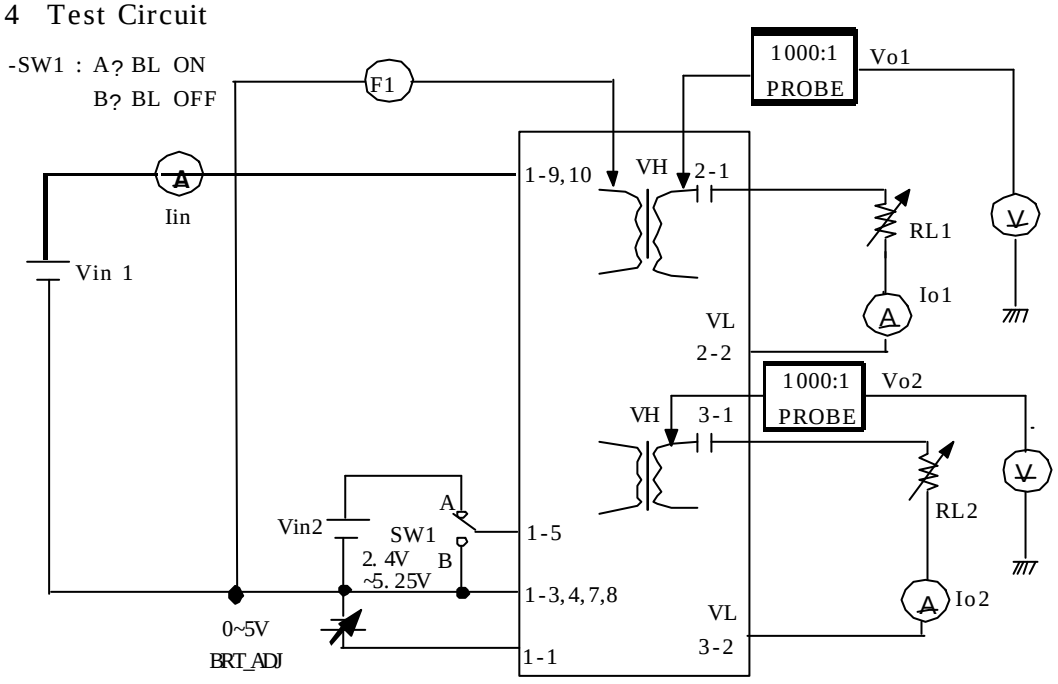
3-2. Control Signal

PIN NO.	SYMBOL	STATUS	ACTION	REMARKS
CN1 #5	BKLT_ON	HIGH	LAMP(CCFL)-ON	2.4~5.25V
		LOW	LAMP(CCFL)-OFF	0.8V MAX

3-3. Output Characteristics

ITEM	SYMBOL	CONDITION			SPECIFICATION			UNIT
		Vin1(V) (DC-IN)	BRT-ADJ	RL1,2(?)	MIN	TYP	MAX	
OUTPUT CURRENT	Io1(max)	12	0V	80± 0.5	7.8	8.4	9.0	mArms
	Io1(min)	12	5V	80± 0.5	2.0	2.4	3.0	
	Io2(max)	12	0V	80± 0.5	7.8	8.4	9.0	
	Io2(min)	12	5V	80± 0.5	2.0	2.4	3.0	
INPUT CURRENT	Iin(1)	12	0V	80± 0.5	0.7	1	1.3	ADC
FREQUENCY	F(1)	12	0V	80± 0.5	48	54	58	KHz
OPEN OUTPUT VOLTAGE	Vo(1)	12	0V	8	1.4	-	1.9	kVrms
	Vo(2)	12	0V	8	1.4	-	1.9	kVrms

3.4 Test Circuit



4. INTERFACE

4.1 CN1 CONNECTOR :53261-1090 (MOLEX)

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

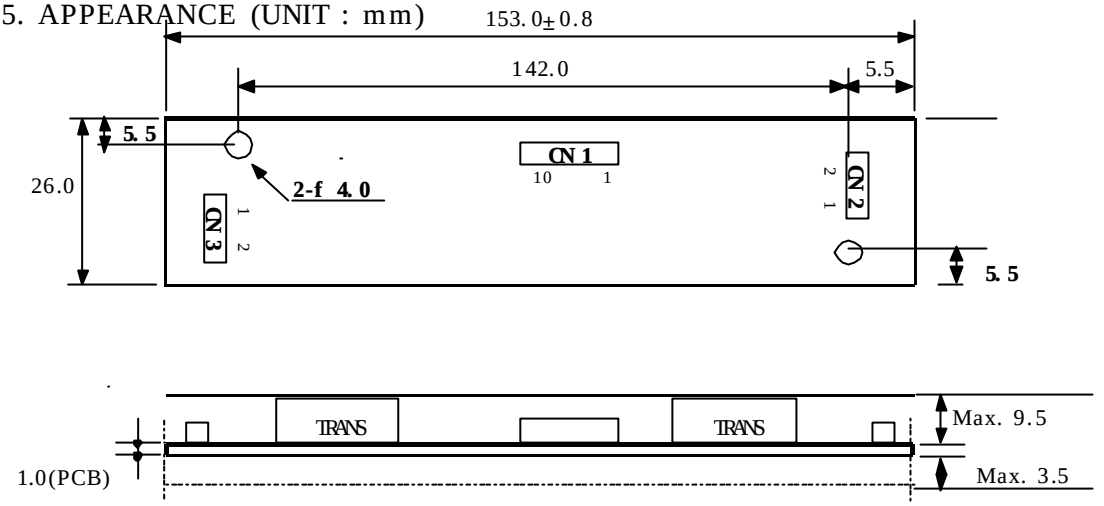
4.2 CN2 CONNECTOR : SM02(8.0)-BHS-1-TB(JST)

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

4.3 CN3 CONNECTOR : SM02(8.0)-BHS-1-TB(JST)

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

5. APPEARANCE (UNIT : mm)



6. NOTATION OF LOT NUMBER

MARKING : BOTTOM OF PCB.

GH001B
YYWWMMM

GH001B : MODEL NAME

YY : YEAR OF PRODUCT 91,'92,'93,'94,...'00,'01

WW : WEEK OF PRODUCT 01,02,03,04,...54,55

MMMM : SERIAL NUMBER 0001,0002.....9998,9999

10. RELIABILITY TEST SPEC

NO.	ITEM	CONDITIONS AND METHOD
1	High Temperature Storage Test	Temp : 70? Duration 500hrs
2	Low Temperature Storage Test	Temp : -30? Duration 500hrs
3	High Temperature High Humidity Storage	Temp : 40? Humid 95%RH Duration 500hrs
4	High Temperature High Humidity Operation test	Temp : 40? Humid 95%RH Duration 1000hrs
5	Thermal Shock Test	Temp -30? ? 70? ,250cycle (30min) (30min)
6	Vibration test	Amplitude :1.5mm Frequency :10~55Hz Position : three perpendicular planes Duration 1000hrs
7	High Temperature Operation test	Temp : 50? Duration 72hrs
8	Low Temperature Operation test	Temp : 0? Duration 72hrs