

INVERTER SPEC

PRODUCT : CCFL BACKLIGHT INVERTER

MODEL NAME : AT-1104NC(BIT)

WRITTEN	CHECKED	APPROVAL

P.I.S Corporation

Head Office : 16-2 Block, 456-4, Moknae-Dong,
Ansan-City, Kyonggi-Do, 425-100, Korea

TEL : +82-31-492-2145

FAX : +82-31-492-2147



PIS Corp.
Power Inverter Solution

1. APPLICATION

This Document Specified The Detailed Product Requirements of Inverter AT-1104NC

2. SUITABLE LOAD

LCD MODULE : 10.4" 2LAMP TFT LCD

3. ELECTRICAL CHARACTERISTICS

1) Absolute Maximum Ratings

ITEM	SYMBOL	SPEC	UNIT	REMARKS
INPUT VOLTAGE1	Vin 1	11.0 ~ 13.0	V	
INPUT VOLTAGE2	Vin 2	4.8 ~ 5.2	V	
OPERATING TEMPERATURE	Top	0 ~ 50		
STORAGE TEMPERATURE	Tstg	-20 ~ 80		
RELATIVE HUMIDITY	RH	90	%	

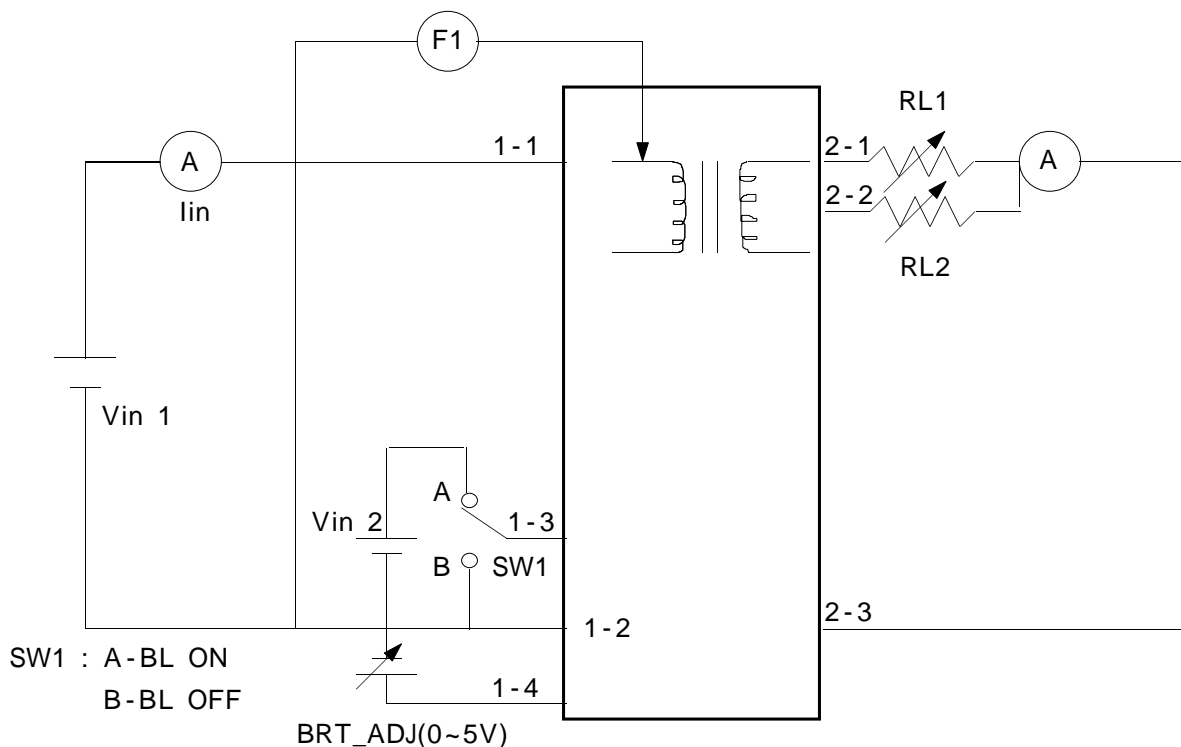
2) Control Signal

PIN NO	SYMBOL	STATUS	ACTION	REMARKS
CN1 #3	BKLT_ON	HIGH	LAMP(CCFL)-ON	2.0V~5.0V
		LOW	LAMP(CCFL)-OFF	0 ~ 0.3V

3) Output Characteristics

ITEM	SYMB OL	CONDITION			SPECIFICATION			UNIT
		Vin1(V) (DC-IN)	BRT- ADJ	RL(k Ω) (Ref)	MIN	TYP	MAX	
OUTPUT CURRENT (1LAMP)	Io1 (max)	11~13	0V	90 \pm 0.5	6.0	6.5	7.0	mAmps
	Io1 (min)	11~13	5V	90 \pm 0.5	2.5	3.0	3.5	
INPUT CURRENT	lin	12	0V	90 \pm 0.5	0.5	0.7	0.9	ADC
FREQUENCY	F1	12	0V	90 \pm 0.5	40	50	60	KHz
DIMMING FREQUENCY	F_D	12	5V	90 \pm 0.5	200	300	400	Hz

4) Test Circuit



4. INTERFACE

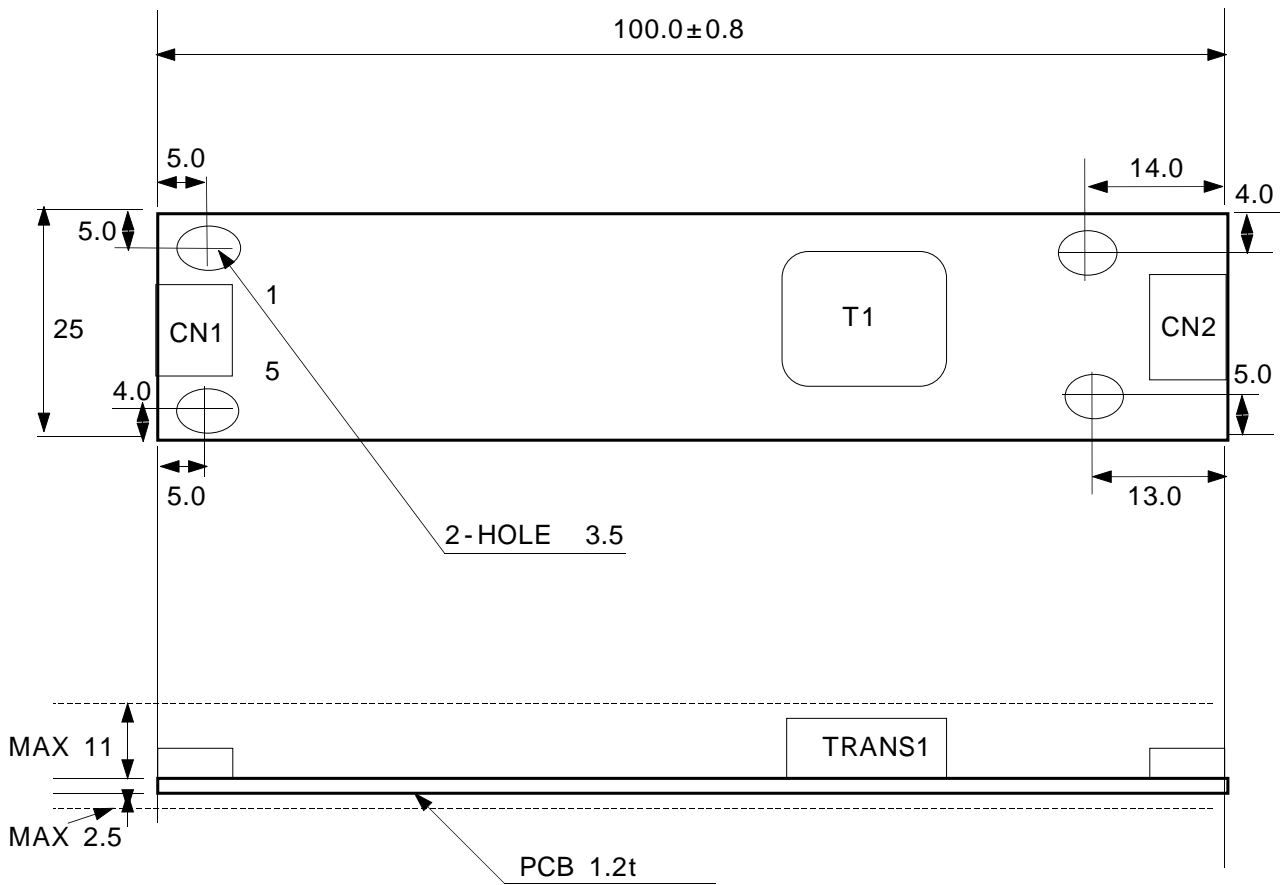
- 1) CN1 CONNECTOR : 12505WR-05(YEONHO)
or 53261-0590(MOLEX)

PIN NO	SYMBOL	REMARK
1	DC-IN(Vin)	DC INPUT POWER(12V)
2	GND	GND
3	BL ON/OFF	CCFL DRIVE SIGNAL
4	BRT_ADJ	0 ~ 5V
5	N.C	NO CONNECTION

- 2) CN2 CONNECTOR : 20015WR-524(YEONHO)
or 68174-0317(MOLEX)
or SM03(4.0)B-BHS-1-TB(JST)

PIN NO	SYMBOL	REMARK
1	COLD	LOW
2	HOT	HIGH
3	HOT	HIGH

5. APPEARANCE (UNIT:mm)



TOLERANCE : ± 0.3 mm