

FOR MESSRS : \_\_\_\_\_

**RoHS**

## **SPECIFICATION FOR REFERENCE**

(FOR LCD MNT 4 LAMP APPLICATION PURPOSE)

TFT LCD BACKLIGHTING INVERTER

PART NO. : FIF1544-03B

### **CONTENTS**

- 1. Electrical Characteristics**
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## 1. Electrical Characteristics

► Analog Dimming

No.	Items (Unit)	Sign.	Condition	Min.	Typ.	Max.	
1	Input Voltage (V)	lin		11	12	13	
2	Input Current (A)	lin	Vin=12V	CTRL=0V	1.3	1.6	1.9
				CTRL=5V	0.6	0.85	1.1
3	Output Current (mA)	Iout1,2	Vin=12V	CTRL=0V	6.5	7	7.5
				CTRL=5V	2.5	3.5	4.5
4	Output Current (mA)	Iout3,4	Vin=12V	CTRL=0V	6.5	7	7.5
				CTRL=5V	2.5	3.5	4.5
5	Lamp Frequency (kHz)	f	Vin=12V, CTRL=0V	40	50	60	
6	ON/OFF Control	ON	Vin=12V, ON/OFF=5V	Normal Operation			
		OFF	Vin=12V, ON/OFF=0V	Shunt-down (Lamp off)			

## 2. Functional Pin Description

### 2.1. Input Connector CN1 : 12505WR-12A00(YEON-HO) 53261-1290(MOLEX)

Pin No.	Symbol	Description
10,11,12	Vin	Input Voltage : 12V
1,3,5,6,8,9	GND	GND
2	CTRL	Dim Adjust, Apply 0V ~ 5Vdc to Control Lamp Current 0 V:MAX 5V :MIN
4	ON / OFF	Power System Return ( 5V:ON, 0V:OFF )

### 2.2. Output Connector CN2,CN3 : 20015WR – 07A00 (YEON-HO,MOLEX,JST)

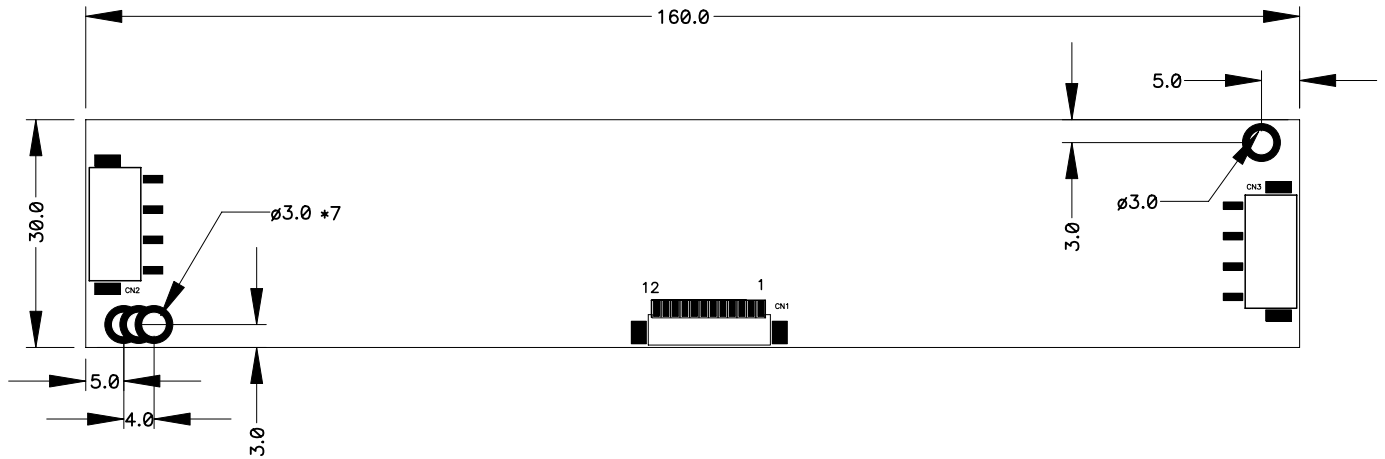
Pin No.	Symbol	Description
1	Lamp H1	High Voltage Connection to high side of Lamp.
2	Lamp H2	High Voltage Connection to high side of Lamp.
3	Lamp L	Low Voltage Connection to low side of Lamp.

### 3.Mechanical Drawings

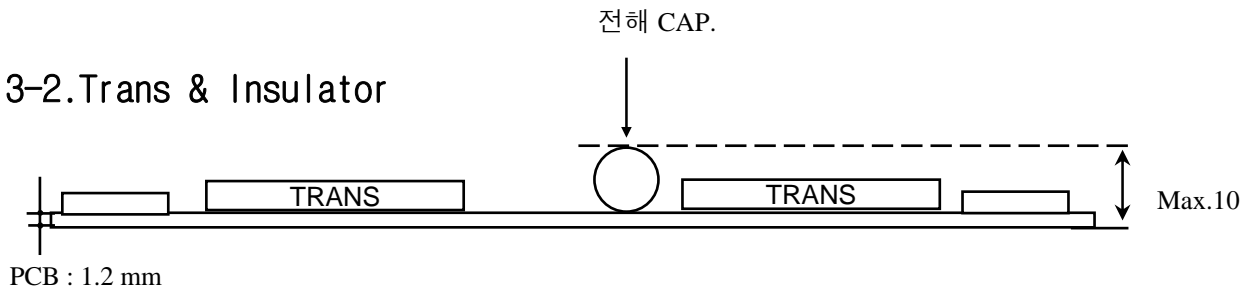
#### 3-1.P.W.B

\*. Unit : mm

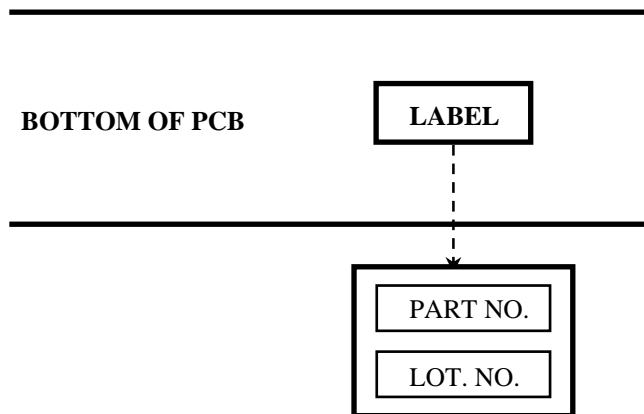
\*.Tolerance : ± 0.2mm



#### 3-2.Trans & Insulator



#### 3-3.Marking



\*.PART NO: FIF1544-03B

\*.LOT NO.: F000000000

F : FRONTEK

0 : LINE

00: YEAR

00: MONTH

00: DAY

00: MANUFACTURE

#### 3-4.Manufactory

This one is the approval of inverter made in frontek – Gumi plant.

This one is the approval of inverter made in frontek – China plant.