

## **SPECIFICATION FOR REFERENCE**

(FOR LCD 20.1" 6Lamp APPLICATION PURPOSE)

TFT LCD BACKLIGHTING INVERTER

PART NO. : FIF2066-45A

BUYER'S PART NO.:

### **CONTENTS**

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# 1.Electrical Characteristics

## ▶ Analog Dimming

No.	Items (Unit)	Sign.	Condition	Min.	Typ.	Max.	
1	Input Voltage (Vdc)	Vin		11.5	15	15.5	
2	Input Current (A)	Iin	Vin=15V	CTRL=5.0V	1.2	1.4	1.6
				CTRL=0V	2.2	2.4	2.6
3	Output Current 1,2,3(mA)	Iout1,2 ,3	Vin=15V	CTRL=5.0V	2.0	3.5	4.5
				CTRL=0V	6.0	6.8	7.5
4	Output Current 4,5,6(mA)	Iout4,5 ,6	Vin=15V	CTRL=5.0V	2.0	3.5	4.5
				CTRL=0V	6.0	6.8	7.5
5	Lamp Frequency (kHz)	f	Vin=15V	CTRL=0V	45	50	55
6	ON/OFF Control	ON	Vin=15V, ON/OFF=5V		Normal Operation		
		OFF	Vin=15V, ON/OFF=0V		Shunt-down (Lamp off)		
7	Dim Adjust (Lamp Current Control)	CTRL	CTRL=0V,Max Current		0.0 ~ 5.0Volt.		
			CTRL=5.0V,Min Current				

- ▶ 상기 Input / Output Current Data는 Input Voltage 15V 기준임.  
12V/15V Adaptor 공용 사용 가능.

## 2.Functional Pin Description

### 2.1. Input Connector CN2 : 12505WR-12A00(YEON-HO) 53261-1290(MOLEX)

Pin No.	Symbol	Description
1,2,3	Vin	Input Voltage : 11.5 ~ 15.5V (Typ. 15V)
4,5,7,8,10,12	GND	GND
11	CTRL	Dim Adjust, Apply 0V ~ 5Vdc to Control Lamp Current 0 V : 6.8mA, 5V : 3.5mA (Each Lamp)
9	ON / OFF	Power System Return ( 5V:ON, 0V:OFF )
6	NC	NO CONNECTION

### 2.2. Output Connector CN4,6 : SM04(9-E2)B-BHS-1-TB(JST) CN1,5 : SM02B-BHS-1-TB (JST, YEON-HO, MOLEX)

#### CN4,6

Pin No.	Symbol	Description
1	Lamp H1	High Voltage Connection to high side of Lamp.
2	Lamp H1	High Voltage Connection to high side of Lamp.
3	Lamp L1	Low Voltage Connection to low side of Lamp.
4	Lamp L2	Low Voltage Connection to low side of Lamp.

#### CN1,5

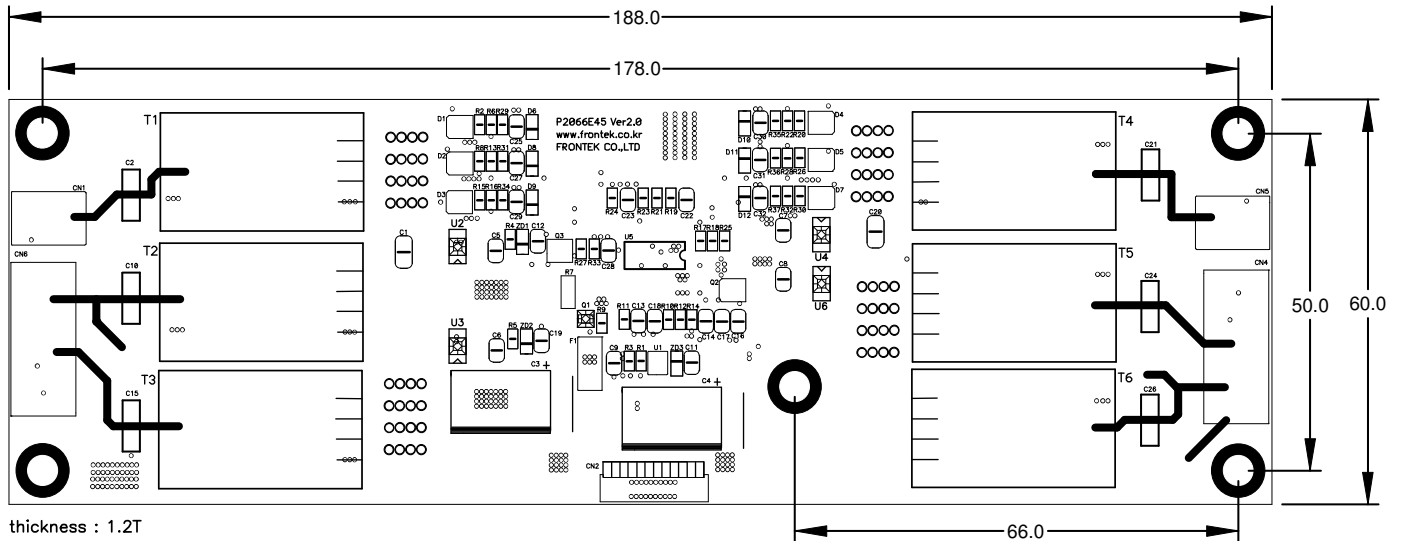
Pin No.	Symbol	Description
1	Lamp H1	High Voltage Connection to high side of Lamp.
2	Lamp L1	Low Voltage Connection to low side of Lamp.

### 3.Mechanical Drawings

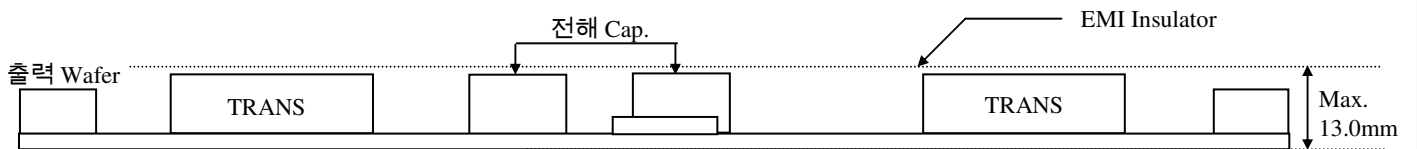
#### 3-1.P.W.B

\*. Unit : mm

\*.Tolerance : ± 0.2mm

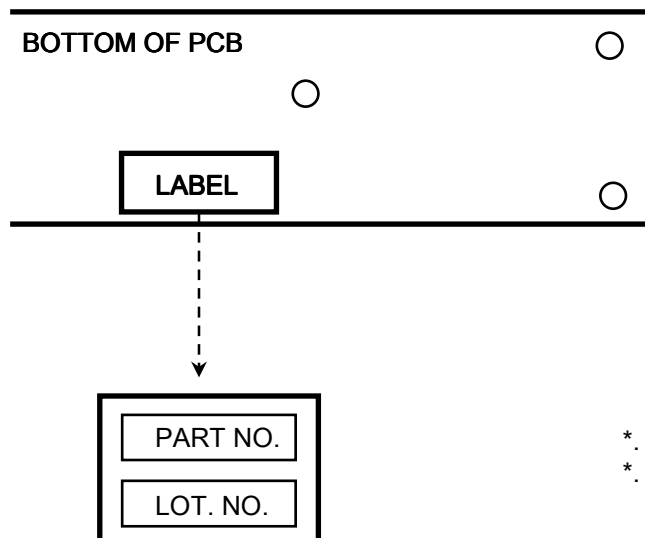


#### 3-2.Trans & Insulator



PCB : 1.2 mm

#### 3-3.Marking



\*. PART NO. : FIF2066-45A

\*. LOT NO. : F ○○○○○○○○

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