

FOR : _____

PRELIMINARY SPECIFICATION

(FOR LG LC201V02 20.1" APPLICATION)

TFT LCD BACKLIGHTING INVERTER

PART NO. : FIF2064-31A

BUYER'S PART NO.: _____

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1. Electrical Characteristics

No.	Items (Unit)	Sign.	Condition		Min.	Typ.	Max.
1	Input Voltage (Vdc)	Vin			14 ~ 16		
2	Input Current (A)	Iin	Vin=15V	CTRL=0V	2.1	2.5	2.9
				CTRL=3.3V	1.2	1.6	2.0
3	Output Current Each Lmap1,2,3 (mA)	Iout 1,2,3	Vin=15V	CTRL=0V	6.5	7.5	9.0
				CTRL=3.3V	3.0	4.0	5.0
4	Output Current Each Lmap4,5,6 (mA)	Iout 4,5,6	Vin=15V	CTRL=0V	6.5	7.5	9.0
				CTRL=3.3V	3.0	4.0	5.0
5	Lamp Frequency (kHz)	f	Vin=15V	CTRL=0V	40	47	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 ~ 5 Volt.		
			CTRL=3.3V,Min Current				

2. Functional Pin Description

2.1. Input Connector CN1 : 12505WR-10A00(YEON-HO, JST, MOLEX)

Pin No.	Symbol	Description
1	CTRL	Dim Adjust, Apply 0V ~3.3Vdc to Control Lamp Current 0V : 7.5mA, 3.3V : 4.0mA (Each Lamp)
3,4,7,8	GND	GND
5	ON / OFF	Power System Return (5V:ON, 0V:OFF)
2	NC	No Connection
6,9,10	Vin	Input Voltage : 15V

2.2. Output Connector CN3,5 : SM04(9-E2)B-BHS-1-TB(JST) CN2,4 : SM02B-BHS-1-TB (JST, YEON-HO, MOLEX)

CN3,5

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.

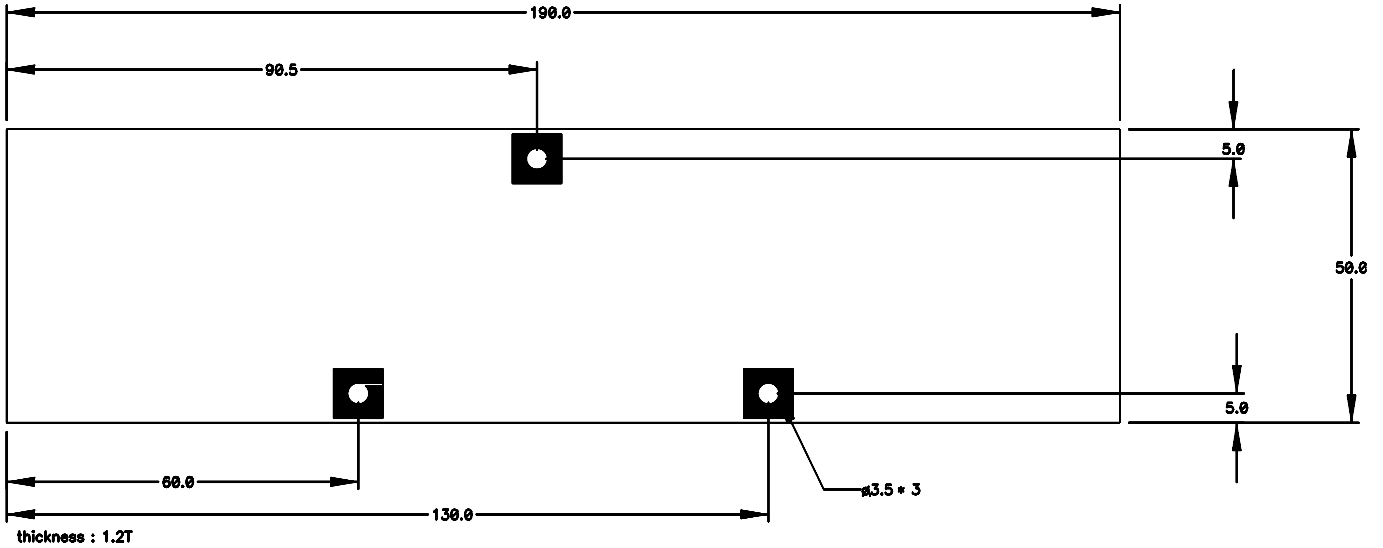
CN2,4

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.

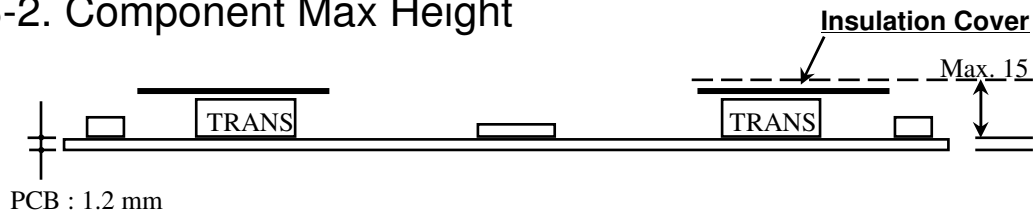
3. Mechanical Drawings

*. Unit : mm
*.Tolerance : $\pm 0.2\text{mm}$

3-1. P.W.B



3-2. Component Max Height



3-3. Marking

