

SPECIFICATION FOR REFERENCE

TFT LCD BACKLIGHTING INVERTER

PART NO. FIF1222-31A

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5. Electrical Characteristics

▶ Analog Dimming

▶ Input Voltage(Vdc) : 11.0 ~13.0

No.	Items (Unit)	Sign.	Condition		Min.	Typ.	Max.
1	Input Current (A)	I _{in}	V _{in} =12V	CTRL=0V	0.6	0.8	1.0
				CTRL=2.5V	0.1	0.2	0.3
2	Output Current 1,2(mA)	I _{out1,2}	V _{in} =12V	CTRL=0V	5.5	6.5	7.5
				CTRL=2.5V	1.0	2.0	3.0
3	Lamp Frequency (kHz)	f	V _{in} =12V	CTRL=0V	56	61	66
4	ON/OFF Control	ON	V _{in} =12V, ON/OFF=5V		Normal Operation		
		OFF	V _{in} =12V, ON/OFF=0V		Shunt-down (Lamp off)		
5	Dim Adjust (Lamp Current Control)	CTRL	CTRL=0V,Max Current		0.0 ~ 2.5 Volt.		
			CTRL=2.5V,Min Current				
6	Kick-Off Voltage(Vrms)	V _{k-off}	Kick-Off		MORE THAN 1100		

6. Functional Pin Description

6.1. Input Connector CN1 : 12505WR-07A00 (JST, Yeon-ho, MOLEX, C/S)

Pin No.	Symbol	Description
1.2	Vin	Input Voltage : 12V \pm 1V
3.4	GND	GND
7	CTRL	Dim Adjust, Apply 0V ~ 2.5Vdc to Control Lamp Current 0 V: 6.5mA, 2.5V :2mA (Each Lamp)
5	ON / OFF	Power System Return (5V:ON, 0V:OFF)
6	NC	NO CONNECTION

6.2. Output Connector CN2,3 : 20015WR-05A00 (JST, Yeon-ho, MOLEX, C/S)

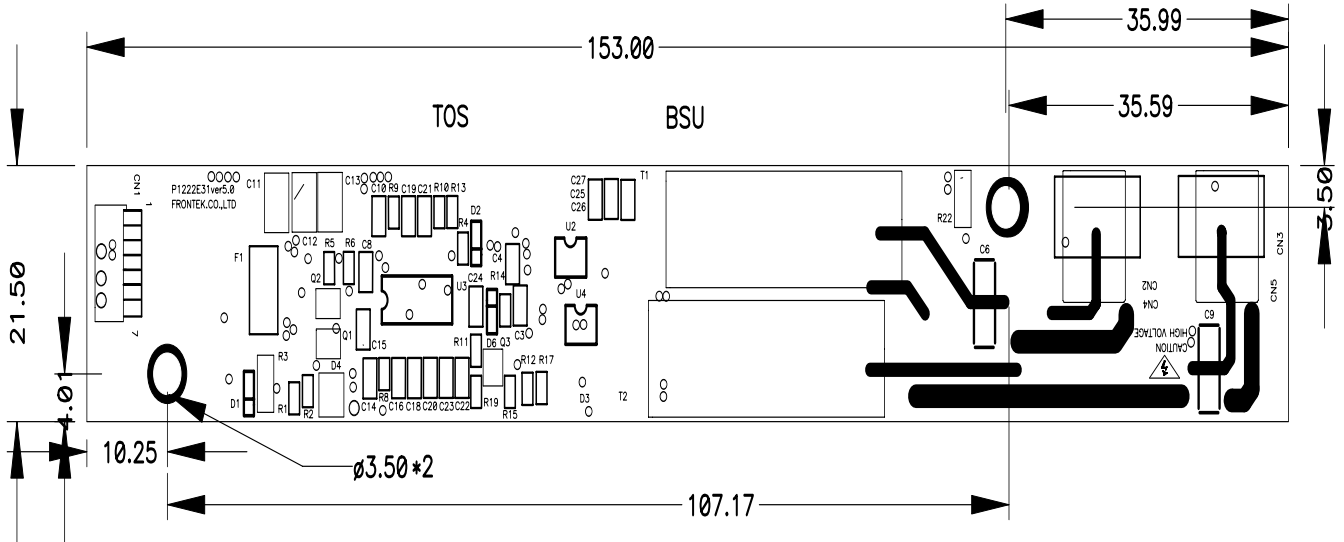
Pin No.	Symbol	Description
1	Lamp H1	High Voltage connection to low side of lamp.
2	Lamp L1	Low Voltage connection to high side of lamp.

8.Mechanical Drawings

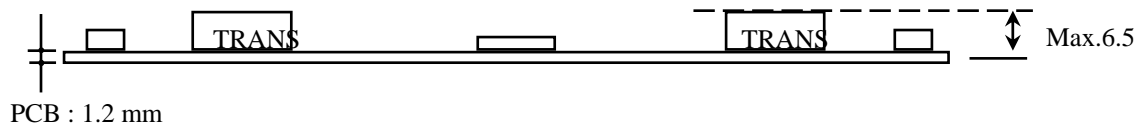
8-1.P.W.B

*. Unit : mm

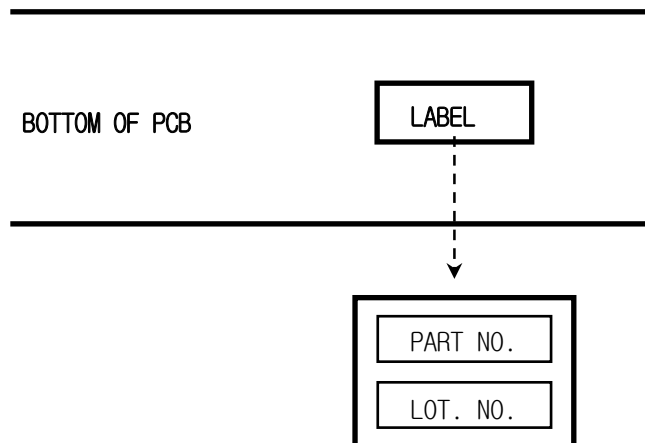
*.Tolerance : ± 0.2mm



8-2.Trans & Insulator



8-3.Marking



*.PART NO: FIF1222-31A

*.LOT NO.: F○○○○○○○○○○○○

LINE YEAR MONTH DAY MANUFACTURE