

FOR MESSRS : UPV

SPECIFICATION FOR APPROVAL

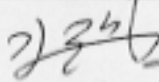


(FOR LCD MNT 15" APPLICATION PURPOSE)

TFT LCD BACKLIGHTING INVERTERPART NO. : FIF1542-02CBUYER'S PART NO.:

APPROVED	REFERENCE

(PLEASE RETURN ONE OF THESE TO US IMMEDIATELY WITH YOUR SIGNATURE FOR APPROVAL)

FRONTEK CO.,LTD

TESTED BY	CHECKED BY	APPROVED BY
		
J.Y. KIM	J.K. CHOI	W.G. BAEK

1. Electrical Characteristics

► 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=5V	1.3	1.5	1.8
				CTRL=0V	0.7	0.95	1.2
2	Output Current 1,2(mA)	I _{out1,2}	V _{in} =12V	CTRL=5V	5.2	6.1	7.0
				CTRL=0V	1.8	3.1	4.5
3	Output Current 3,4(mA)	I _{out3,4}	V _{in} =12V	CTRL=5V	5.2	6.1	7.0
				CTRL=0V	1.8	3.1	4.5
4	Lamp Frequency (kHz)	f	V _{in} =12V	CTRL=5V	50	55	60
5	ON/OFF Control	ON	V _{in} =12V, ON/OFF=5V		Normal Operation		
		OFF	V _{in} =12V, ON/OFF=0V		Shunt-down (Lamp off)		
6	Dim Adjust (Lamp Current Control)	CTRL	CTRL=5V,Max Current		0.0 ~ 5.0 Volt.		
			CTRL=0V,Min Current				

2. Functional Pin Description

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

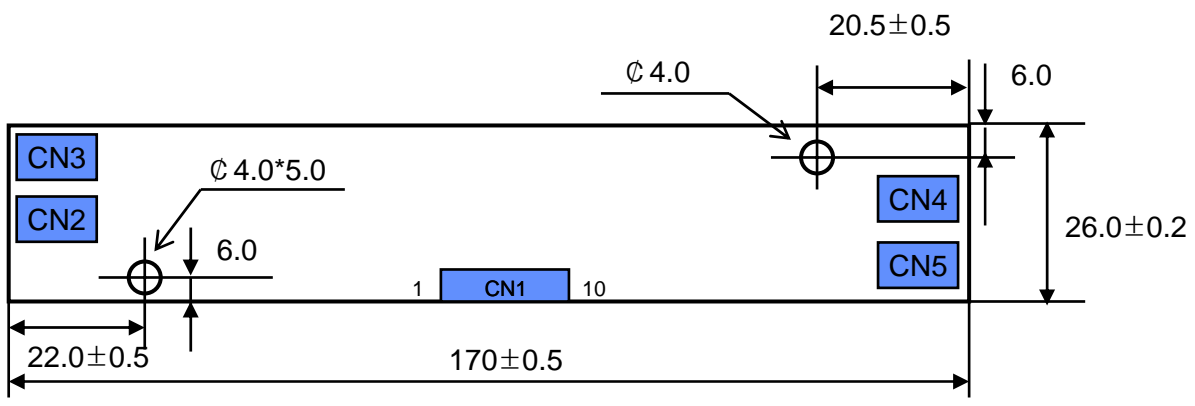
Pin No.	Symbol	Description
1	CTRL	Dim Adjust, Apply 0V ~ 5Vdc to Control Lamp Current 5V : 6.1mA, 0V : 3.1mA (Each Lamp)
2	NC	
3,4	GND	GND
5	ON / OFF	Power System Return (5V:ON, 0V:OFF)
6	NC	
7,8	GND	
9,10	Vin	Input Voltage : 12V

2.2. Output Connector CN2,CN3,CN4,CN5 : SM02B-BHS-1-TB (Yeon Ho,MOLEX,JST)

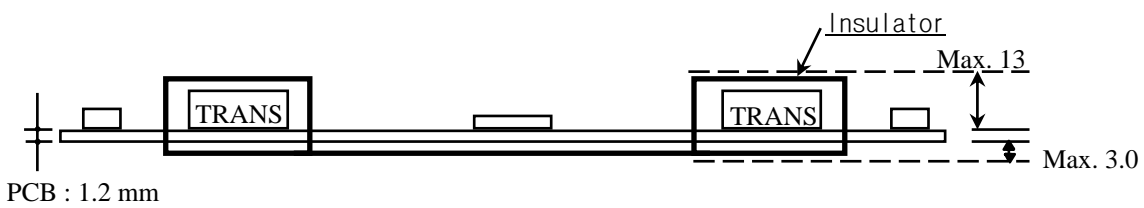
Pin No.	Symbol	Description
1	Lamp H1	High Voltage connection to high side of lamp.
2	Lamp L1	Low Voltage connection to low side of lamp.

3.Mechanical Drawings 3-1.P.W.B

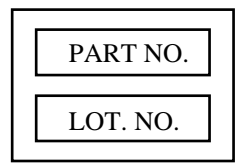
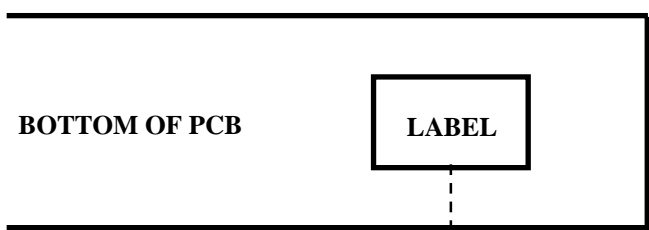
*. Unit : mm
*.Tolerance : ± 0.2mm



3-2.Trans & Insulator



3-3.Marking



*. PART NO. : FIF1542-02C
 *. LOT NO. : ○○○○○○
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 YEAR MONTH DAY