

FOR : _____

PRELIMINARY SPECIFICATION

(FOR LCD MNT 19" 4LAMP APPLICATION)

TFT LCD BACKLIGHTING INVERTER

PART NO. : FIF1942-32C

BUYER'S PART NO.: _____

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1. Electrical Characteristics

▶ Analog Dimming

No.	Items (Unit)	Sign.	Condition	Min.	Typ.	Max.	
1	Input Voltage (Vdc)	V _{in}		11.5	12	12.5	
2	Input Current (A)	I _{in}	V _{in} =12V	CTRL=5V	0.9	1.1	1.3
				CTRL=0V	1.5	1.8	2.1
3	Output Current 1,2(mA)	I _{out1,2}	V _{in} =12V	CTRL=5V	2.5	3.0	3.5
				CTRL=0V	6.0	6.5	7.0
4	Output Current 3,4(mA)	I _{out3,4}	V _{in} =12V	CTRL=5V	2.5	3.0	3.5
				CTRL=0V	6.0	6.5	7.0
5	Lamp Frequency (kHz)	f	V _{in} =12V	CTRL=0V	42	47	52
6	ON/OFF Control	ON	V _{in} =12V, ON/OFF=5V		Normal Operation		
		OFF	V _{in} =12V, ON/OFF=0V		Shunt-down (Lamp off)		
7	Dim Adjust (Lamp Current Control)	CTRL	CTRL=0V, Max Current		0 ~ 5 Volt.		
			CTRL=5V, Min Current				

2. Functional Pin Description

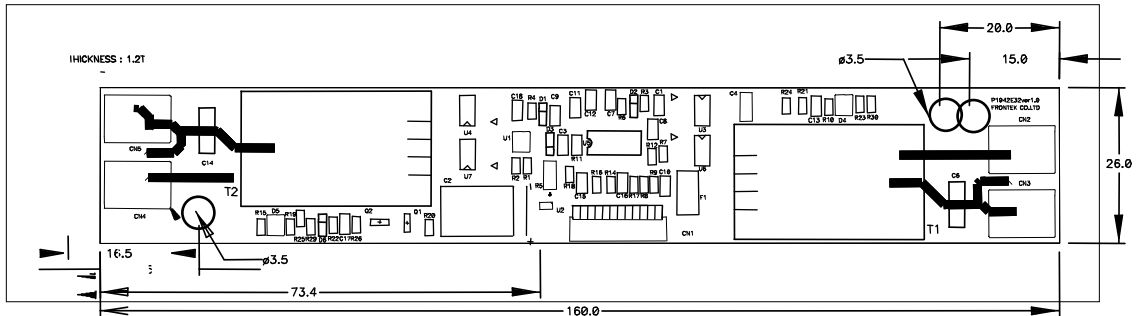
2.1. Input Connector CN1 : 12505WR-12A00(YEON-HO) 53261-1290(MOLEX)

Pin No.	Symbol	Description
2	CTRL	Dim Adjust, Apply 0V ~5Vdc to Control Lamp Current 0V : 6.5mA, 5V : 3.5mA (Each Lamp)
1,3,5,6,8,9	GND	GND
4	ON / OFF	Power System Return (5V:ON, 0V:OFF)
7	NC	No Connection
10,11,12	Vin	Input Voltage : 12V \pm 0.5V

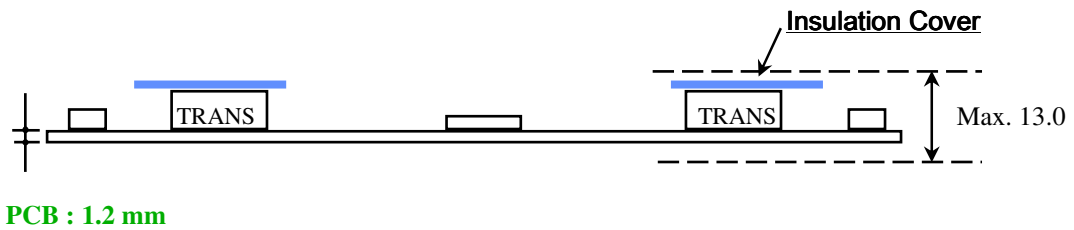
2.2. Output Connector CN2,CN3,CN4,CN5 : SM02B-BHS-1-TB (Yeon Ho,MOLEX,JST)

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 Drawing



3-1. Component Max Height



3-2. Marking

