

FOR : _____

PRELIMINARY SPECIFICATION

(FOR LG 19" APPLICATION)

TFT LCD BACKLIGHTING INVERTER

PART NO. : FIF1942-31C

BUYER'S PART NO.: _____

CONTENTS

- 1. Electrical Characteristics**
- 2. Functional Pin Description**
- 3. Mechanical Drawings**

1. Electrical Characteristics

► Input Voltage(Vdc) : 11.5 ~12.5

No.	Items (Unit)	Sign.	Condition		Min.	Typ.	Max.
1	Input Current (A)	I _{in}	V _{in} =12V	CTRL=0V	1.7	2.0	2.3
				CTRL=5V	0.8	1.0	1.2
2	Output Current 1,2(mA)	I _{out1,2}	V _{in} =12V	CTRL=0V	6.3	7.3	7.7
				CTRL=5V	2.0	2.7	4.0
3	Output Current 3,4(mA)	I _{out3,4}	V _{in} =12V	CTRL=0V	6.3	7.3	7.7
				CTRL=5V	2.0	2.7	4.0
4	Lamp Frequency (kHz)	f	V _{in} =12V	CTRL=5V	40	45	52
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=0V,Max Current		0.0 ~ 5.0 Volt.		
			CTRL=5V,Min Current				
7	Kick-Off Voltage(V _{rms})	V _{k-off}	Kick-Off		MORE THAN 1100		

2. Functional Pin Description

2-1. Input Connector CN1 : SMAW200-08 (YEON-HO,MOLEX,JST)

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

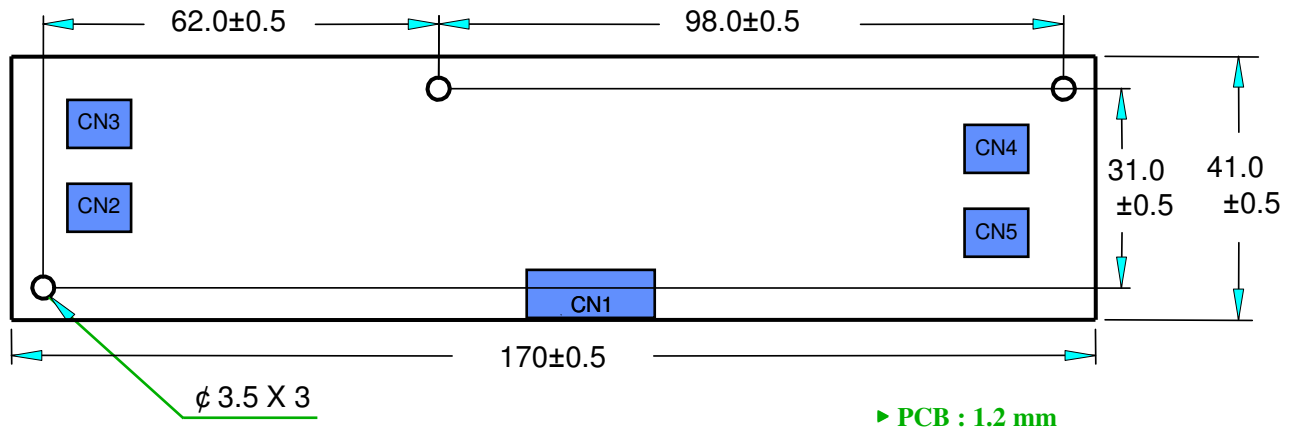
2.2. Output Connector CN2,CN3,CN4,CN5 : SM02B-BHS-1-TB (JST,YEON-HO,MOLEX)

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.

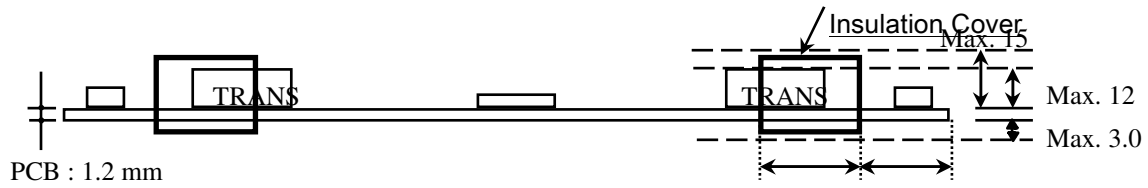
3. Mechanical Drawings

3-1. P.W.B

*. Unit : mm
*.Tolerance : ± 0.2mm



3-2. Component Max Height



3-3. Marking

