

FOR MESSRS : _____

PB-FREE**SPECIFICATION FOR APPROVAL**


(FOR TV/ MNT 4Channel LED APPLICATION PURPOSE)

LED BACKLIGHTING B'dPART NO. : FIF27LD-03W3BUYER'S PART NO. :

APPROVED	REFERENCE

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

KANG JIN TECHNOLOGY CO., LTD

TESTED BY	CHECKED BY	APPROVED BY
		

1.General Description

SCOPE:

This LED Driver was developed for 4channel led lamps of LCD backlight system.

2.Applications

- LCD Monitor /TV

3.Absolute maximum rating

- Input supply voltage : 11.0 ~ 13.0V
- Input current : 1.3A
- Output current : 260mA
- Input signal voltage : -0.3V ~ 6.0V
(On/Off /I Control)
- Ambient operating temperature : 0°C ~ 60°C
- Storage temperature : -30°C ~ 80°C
- Operating & Storage Humidity : 10% ~ 85%

4. Electrical Characteristics

◎ Analog Dimming

NO	Items (Unit)	Sign.	Condition		Min.	Typ.	Max.
1	Input Voltage [Vdc]	Vin			11	12	13
2	Input Current [A]	Iin	Vin=12V	CTRL=0V	0.85	1	1.15
				CTRL=5V	0.45	0.6	0.75
3	Output Voltage (OVP LEVEL)	Vout	Vin=12V	CTRL=0V		TBD	60
4	Output Current [mA]	Iout	Vin=12V	CTRL=0V	210	230	250
				CTRL=5V	115	135	155
5	ON/OFF Control	ON	Vin=12V, ON/OFF=5V		Normal Operation		
		OFF	Vin=12V, ON/OFF=0V		Shut – Down		

☞ Above Electrical Characteristics is tested in output 54 Voltage condition

5. Operating description

● Input Power Sequence



More Than 0.5sec

6. Functional Pin Description

6.1. Input Connector CN1 : JS-1125R-06 (CHAOSIN)

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

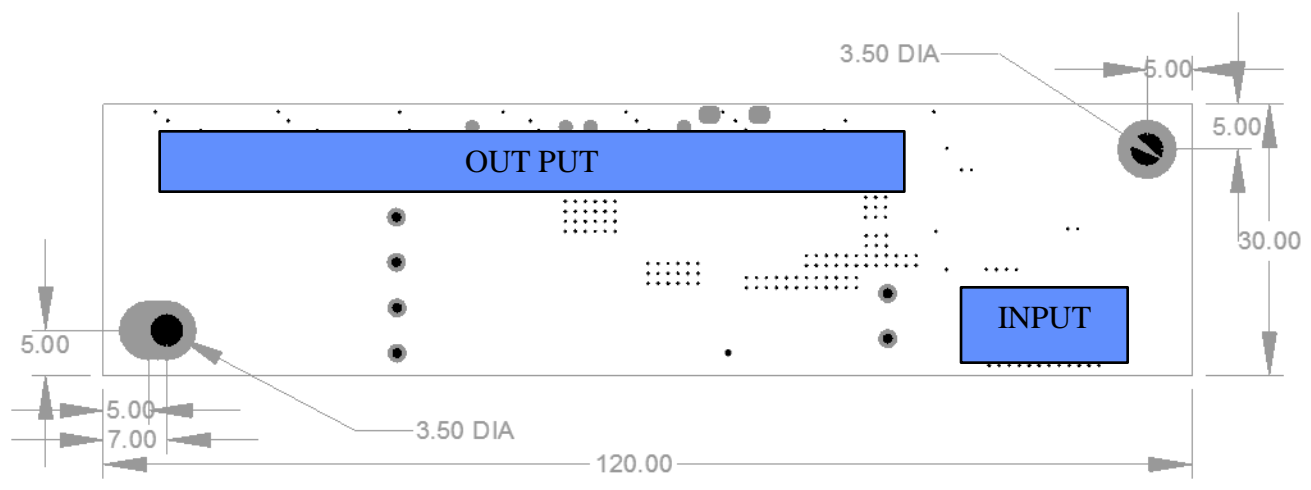
6.2. Output Connector CN3 : 10019HR-06 (Yeon - ho)

Pin No.	Symbol	Description
1	FB1	IRLED (current out)
2	FB2	IRLED (current out)
3	Vled	VLED (voltage in)
4	Vled	VLED (voltage in)
5	FB3	IRLED (current out)
6	FB4	IRLED (current out)

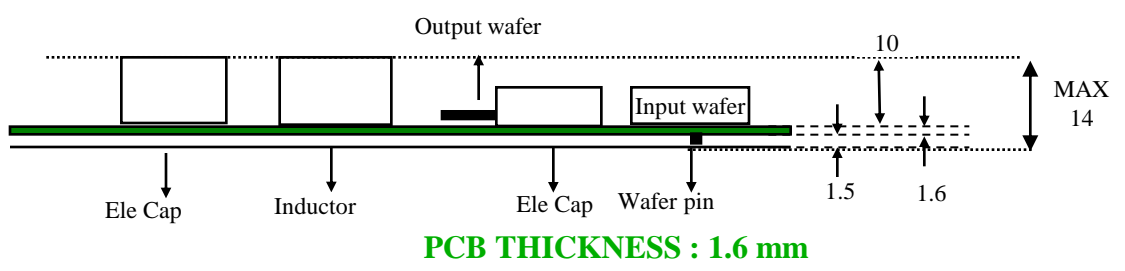
7. Mechanical Drawings

7.1. P.W.B

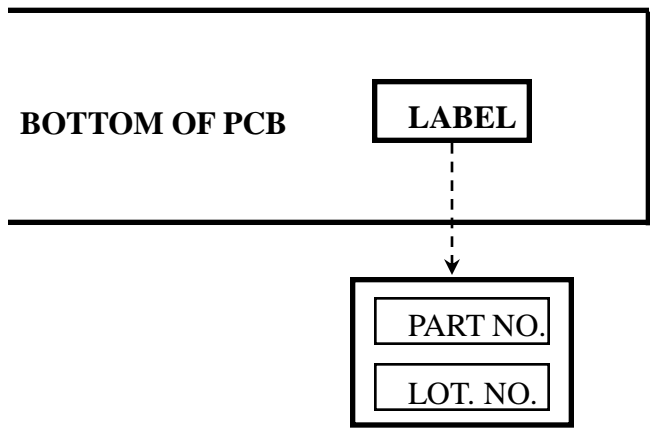
*. Unit : ±0.2mm



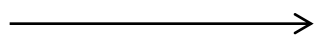
7.2. Trans & Connector



8.1. Marking



*.PART NO: FIF27LD-03W3
 *.LOT NO.: 00000000-0



00 : MANUFACTURE
 00: YEAR
 00: MONTH
 00: DAY
 - A: LOT