

FOR MESSRS :  

---

**RoHS****SPECIFICATION FOR REFERENCE**

(FOR LCD AU 24" U-6LAMP APPLICATION PURPOSE)

TFT LCD BACKLIGHTING INVERTERPART NO. : FIF2412-39BBUYER'S PART NO. :**CONTENTS**

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

## 1. Electrical Characteristics

### Ext. PWM Dimming

No.	Items (Unit)	Sign.	Condition		Min.	Typ.	Max.
1	Input Voltage (Vdc)	Vin			21.6	24.0	26.4
2	Input Current (A)	Iin	Vin=24V	Duty=100%	2.4	2.7	3.0
				Duty=18.4%	0.1	0.3	0.5
3	Output Current 1~12(mA)	Iout 1~12	Vin=24V	Duty=100%	5.3	6.0	6.7
				Duty=18.4%	0.8	1.5	2.2
4	Lamp Frequency (kHz)	f	Vin=24V	Duty=100%	45	50	55
5	ON/OFF Control	ON	Vin=24V ON/OFF=1.5~5V		Normal Operation		
		OFF	Vin=24V ON/OFF=0~0.7V		Shunt-down (Lamp off)		
6	Dim Adjust (Lamp Current Control)	Ext. PWM	Duty=100%		Max output current		
			Duty=18.4%		Min output current		
7	Ext. PWM Frequency (Hz)	f			315		
8	Kick-Off Voltage (Vrms)	Vk-off	Kick-Off		MORE THAN 1450		

**2-1. Input Connector CN1 : 20022WR-14 (YEON-HO)**

Pin No.	Symbol	Description	Remarks
1	Vin	Power Supply (24V)	
2	Vin	Power Supply (24V)	
3	Vin	Power Supply (24V)	
4	Vin	Power Supply (24V)	
5	Vin	Power Supply (24V)	
6	GND	Power Ground (Back light)	<b>Note1</b>
7	GND	Power Ground (Back light)	
8	GND	Power Ground (Back light)	
9	GND	Power Ground (Back light)	
10	GND	Power Ground (Back light)	
11	NC	No connection	
12	V on/off	Backlight On/off signal	On : 1.5V~5.0V Off : 0.0V~0.7V
13	N.C		
14	Vbr	Brightness Adjustable Voltage	Dmax : Duty 100% Dmin : Duty 18.4%

Note1 : GND is connected to the LCD's metal frame.

**2-2. Output Connector :****CN2,CN3,CN4,CN6,CN7,CN8 : 20015WR-07L01 (YEON-HO)**

Pin No.	Symbol	Description
1	Lamp H1	High Voltage Connection to high side of Lamp.
2	Lamp H2	High Voltage Connection to high side of Lamp.

