

FOR MESSRS :

SPECIFICATION FOR REFERENCE

(FOR LCD MNT 17~19" 4LAMP 4PIN APPLICATION PURPOSE)

TFT LCD BACKLIGHTING INVERTERPART NO. : FIF1742-57ABUYER'S PART NO.:**CONTENTS**

- 1. Electrical Characteristics**
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1. Electrical Characteristics

▶ Input Voltage (Vdc) : 11.5 ~12.5

▶ Analog mode dimming

| No. | Items (Unit) | Sign. | Condition | | Min. | Typ. | Max. |
|-----|---|---------------------|---------------------------------|---------|-----------------------|------|------|
| 1 | Input Current (A) | I _{in} | V _{in} =12V | CTRL=5V | 0.9 | 1.1 | 1.3 |
| | | | | CTRL=0V | 1.5 | 1.7 | 1.9 |
| 2 | Output Current 1,2(mA) | I _{out1,2} | V _{in} =12V | CTRL=5V | 2.0 | 3.0 | 4.0 |
| | | | | CTRL=0V | 6.0 | 6.5 | 7.0 |
| 3 | Output Current 3,4(mA) | I _{out3,4} | V _{in} =12V | CTRL=5V | 2.0 | 3.0 | 4.0 |
| | | | | CTRL=0V | 6.0 | 6.5 | 7.0 |
| 4 | Lamp Frequency (kHz) | f | V _{in} =12V | CTRL=0V | 43 | 48 | 53 |
| 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 (RMS) | | More than 1800Vrms | | | | |
| 8 | Ignition Time (Sec) | | MIN 1S | | | | |

2. Functional Pin Description

2.1. Input Connector CN1 : 12505WR-12A00 (YEON-H0)

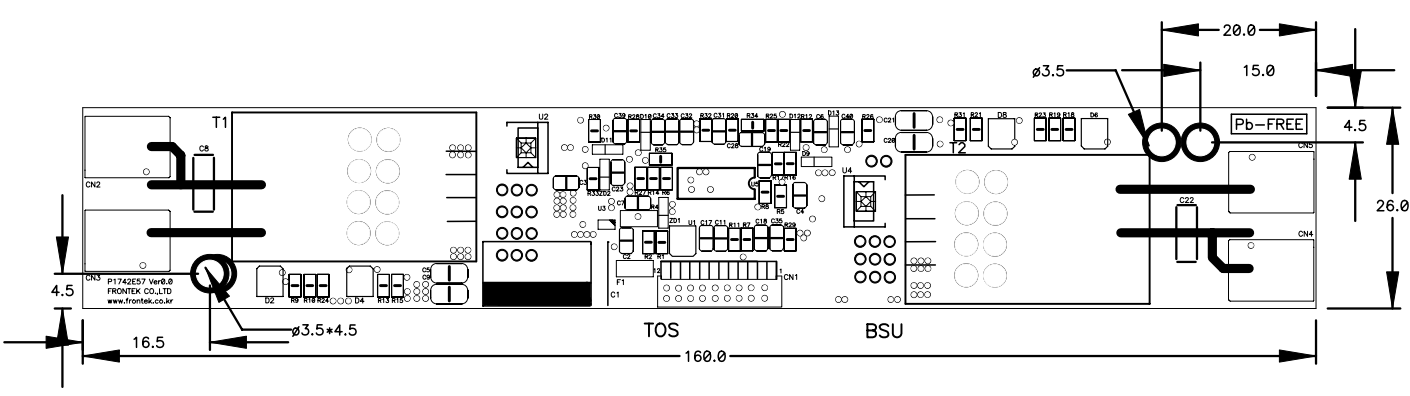
| Pin No. | Symbol | Description |
|-------------|----------|---|
| 10,11,12 | Vin | Input Voltage : 12V \pm 0.5V |
| 1,3.5.6.8.9 | GND | GND |
| 2 | CTRL | Dim Adjust, Apply 0V ~ 5Vdc to Control Lamp Current 0 V : 6.5mA, 5V : 3.0mA (Each Lamp) |
| 4 | ON / OFF | Power System Return (5V:ON, 0V:OFF) |

2-2. Output Connector CN2,CN3,CN4,CN5 : 35001WR-02A00 (YEON-H0)

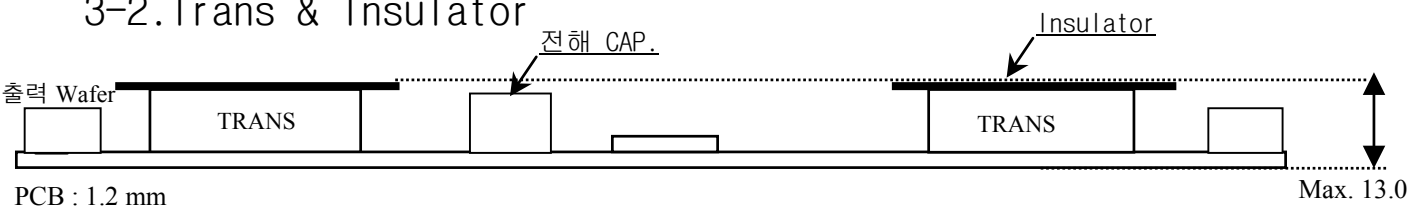
| Pin No. | Symbol | Description |
|---------|---------|---|
| 1 | Lamp H1 | High Voltage Connection to high side of Lamp. |
| 2 | Lamp L1 | Low Voltage Connection to low side of Lamp. |

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

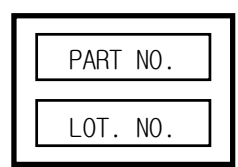
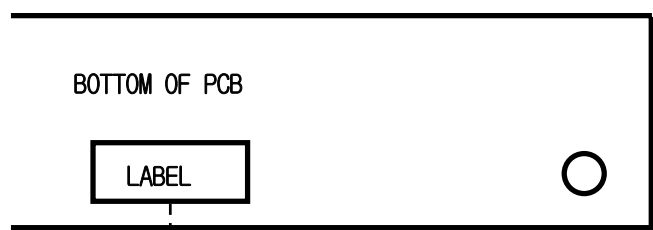
*. Unit : mm
*.Tolerance : ± 0.2mm



3-2.Trans & Insulator



3-3.Marking



*. PART NO. : FIF1742-57A
 *. LOT NO. : F ○ ○ ○ ○ ○ ○ ○ ○
 LINE YEAR MONTH DAY