



**優潔光科技**  
UJ Light Technologies

## **SPECIFICATIONS FOR LCD MODULE**

**Model No:**

**UTF080B-KAN\$**

UJ Light Technologies Corporation

5F, No. 38, Keya Rd., Daya Dist., Central Taiwan Science Park, Taichung City, 42881, Taiwan.

Web Site: <https://www.ujlight.com/> TEL:+886-4-25658689 FAX:+886-4-25658698



## 1. General Specification

| Item               | Specification            | Unit     |
|--------------------|--------------------------|----------|
| Screen Size(inch)  | 8.0"                     |          |
| Color              | 16.7M                    |          |
| Display Resolution | 800*1280                 | pixels   |
| Viewing Direction  | All                      | O' Clock |
| Outline Dimension  | 114.6(H)*184.1(V)*2.6(D) | mm       |
| Active Area(A.A)   | 107.64*(H)*172.224(V)    | mm       |
| Pixel pitch        | 0.13455(H)*0.13455(V)    | mm       |
| Display Mode       | Normally Black           |          |
| Pixel Arrangement  | RGB-stripe               |          |
| Surface Treatment  | Anti-Glare               |          |
| Driver IC          | JD9365DA-H3              |          |
| Interface          | MIPI                     |          |

## 2. Absolute Maximum Rating

| Item                  | Symbol | Min. | Typ. | Max. | Unit |
|-----------------------|--------|------|------|------|------|
| Power Supply Voltage  | VDD    | -0.3 | -    | 5.0  | V    |
| Operating Temperature | TOP    | -10  | -    | 50   | °C   |
| Storage Temperature   | TST    | -20  | -    | 60   | °C   |

### 3. Electrical Characteristics

#### 3.1 TFT LCD Electrical Characteristics

| Item                        | Symbol | Min | Typ | Max  | Unit |
|-----------------------------|--------|-----|-----|------|------|
| Power Supply Voltage        | VDD    | 3.0 | 3.3 | 3.6  | Vdc  |
| Logic Power Supply Voltage  | VLOG   | 1.7 | 1.8 | 1.9  | Vdc  |
| Power Supply Ripple Voltage | VRP    | -   | 300 | -    | mV   |
| Power Supply Current        | IDD    | -   | 50  | 126  | mA   |
| Power Consumption           | PDD    | -   | 0.2 | 0.45 | W    |
| Logic Power Supply Current  | ILOG   | 16  | 18  | 20   | mA   |
| Logic Power Consumption     | PLOG   | -   | 33  | -    | mW   |
| Rush current                | IRUSH  | -   | 1   | -    | A    |

#### 3.2 BackLight Characteristics

| Item           | Symbol | Min. | Typ. | Max. | Unit |
|----------------|--------|------|------|------|------|
| Supply Voltage | VF     | 8.0  | 9.0  | 9.6  | V    |
| Supply Current | IF     | -    | 100  | -    | mA   |
| Uniformity     | B      | 80   |      |      | %    |
| Color          | White  |      |      |      |      |

#### 4. Interface Pin Function

| Pin NO. | Symbol | Description                   |
|---------|--------|-------------------------------|
| 1       | LED A  | LED ANODE                     |
| 2       | LED A  | LED ANODE                     |
| 3       | LED A  | LED ANODE                     |
| 4       | NC     | Not connect                   |
| 5       | LED K  | LED CATHODE                   |
| 6       | LED K  | LED CATHODE                   |
| 7       | LED K  | LED CATHODE                   |
| 8       | LED K  | LED CATHODE                   |
| 9       | GND    | Ground                        |
| 10      | GND    | Ground                        |
| 11      | D2P    | MIPI differential data input  |
| 12      | D2N    | MIPI differential data input  |
| 13      | GND    | Ground                        |
| 14      | D1P    | MIPI differential data input  |
| 15      | D1N    | MIPI differential data input  |
| 16      | GND    | Power Ground                  |
| 17      | DCLKP  | MIPI differential clock input |
| 18      | DCLKN  | MIPI differential clock input |
| 19      | GND    | Ground                        |
| 20      | D0P    | MIPI differential data input  |
| 21      | D0N    | MIPI differential data input  |
| 22      | GND    | Ground                        |
| 23      | D3P    | MIPI differential data input  |
| 24      | D3N    | MIPI differential data input  |
| 25      | GND    | Ground                        |
| 26      | TE     | NC                            |
| 27      | RESET  | Global reset pin, Active low  |
| 28      | GND    | Ground                        |
| 29      | VDDIO  | Power supply 1.8V             |
| 30      | VDD    | Power supply 3.3V             |
| 31      | VDD    | Power supply 3.3V             |



## 5. Drawing

