

### 1 Connection & Wiring

#### 1-1 Power Supply and GND

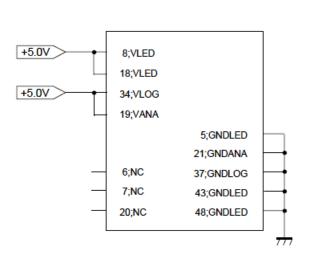
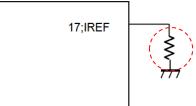


Fig1.Power Supply and GND

### 1-2 How to decide segment current of output



Segment current of output are decided by external resister(Pin#17;IREF).
Register connected between IREF and GND.
See Fig2.

And relation of segment current and resister are showed on Fig3.

#### Fig2.IREF connection

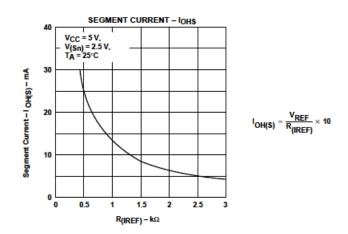


Fig3.IREF vs Segment current (\*Datasheet page6)

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#### **How to connect LED**

Anode of LED connect to segment pin and cathode connect common pin.

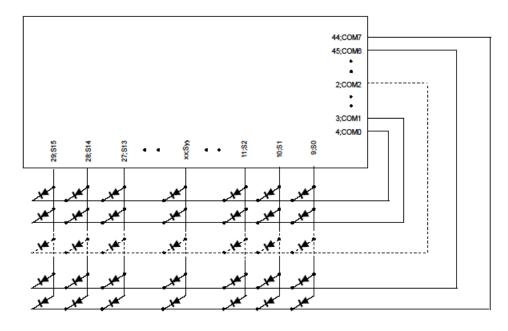


Fig4. LED connection



### How to turn on for target LED

When you want to turn on for target LED, you must consider segment line and com line. In case of Fig5, you must turn on for target LED, You must turn on "S0" and "COM0". And in case of Fig6, turn on "S0", "S1", "S14", "S15" and "COM0" In case of Fig7, turn on "S1", "S13" and "COM6"



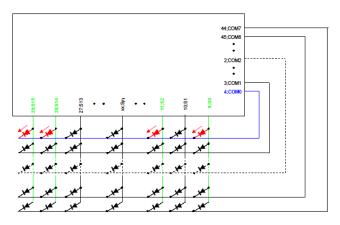


Fig6.Case2(turn on)

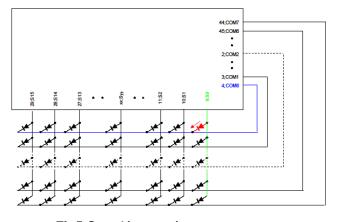


Fig5.Case1(turn on)

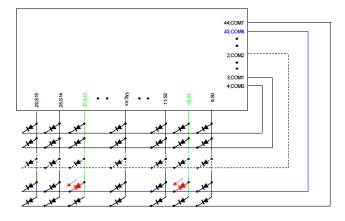


Fig7.Case3(turn on)

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### Reference pattern and result

