



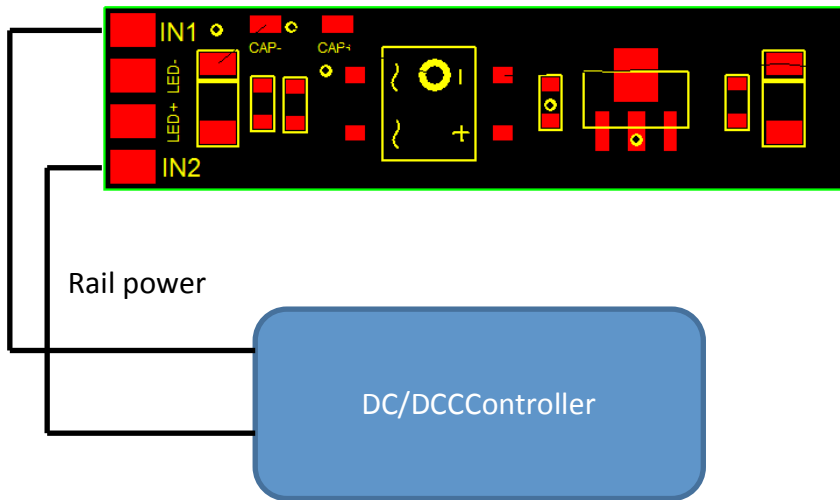
HA-24100 Light Bar

Ver:100

1. Feature

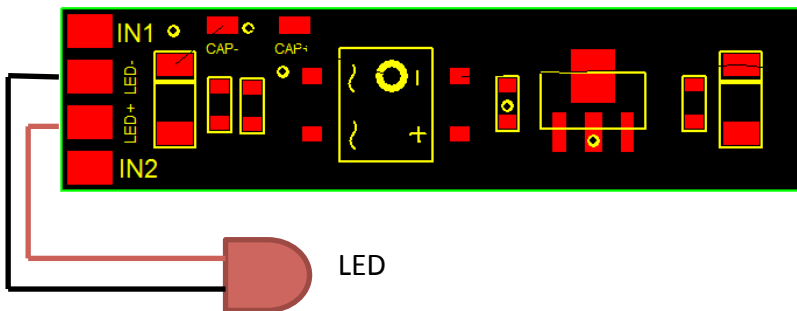
- Built-in 10 high brightness LED
- LED Brightness Adjustable
- Connect to DC/DCC power directly
- Connecting ports in terminals for extended LEDs(Taillight)
- Light Bar size = 240mm x 8mm x 5mm(Length x Width x Height), the bar length can be cutted down to fit the length of coach (minimal length is 70mm)
- Anti-flashing capacitor is built-in, also reserved external capacitor connecting port

2. Power Connection



- IN1, IN2 of HA-24100 are power connecting ports. There is not polarity in this port. Please do not connect IN1 and IN2 to the same rail to prevent short circuit.

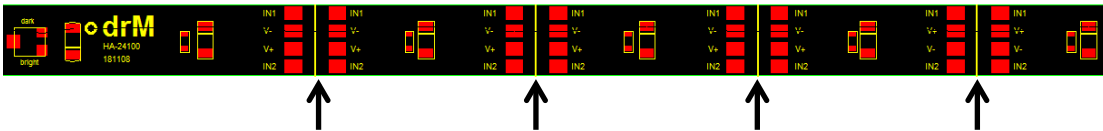
3. Connection for Taillight



- In the terminals of light bar, the ports which is marked with LED+/LED- labels are reserved for Taillight. The LED+ is connected to anode of LED and LED- is connected to

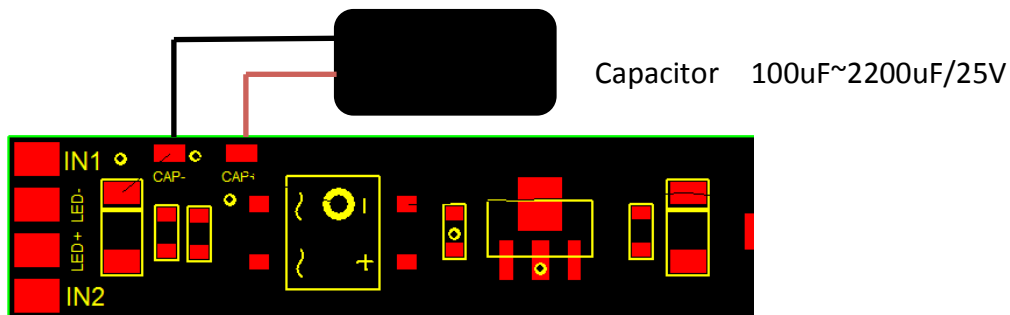
cathode of LED.

4. Cutting light bar



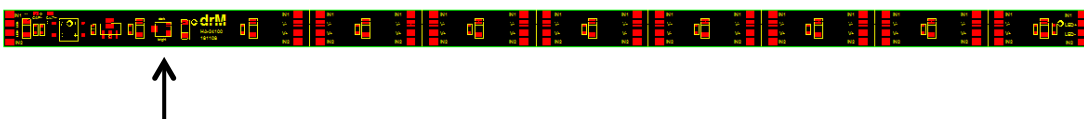
- The Yellow lines which are indicated by arrow as figure are the trim line for cutting light bar in unit.
- If re-connecting the cut light bar is required, just connect the soldering points with the same label.

5. Connection of external capacitor



- As the figure, label of Cap+ on PCB is connected to the positive terminal of capacitor and Cap- is connected to negative terminal of capacitor.
- Capacitor with 100uF~2200uF capacitance and voltage rating of 25V is recommended.

6. LED brightness adjustment



- The VR (variable resistor) which is indicated by arrow as figure is used for LED brightness adjustment. LED is darker as rotating clockwise, brighter as rotating counterclockwise.

7. Note

- Any point on light bar SHALL not short to any other points.
- Ensure the voltage to light bar to be under 24V.
- Notice the polarity of LED and external capacitor.
- DO NOT modify, change or remove any components on the light bar to prevent from damage.