

TOA-L90301AME-B4-D

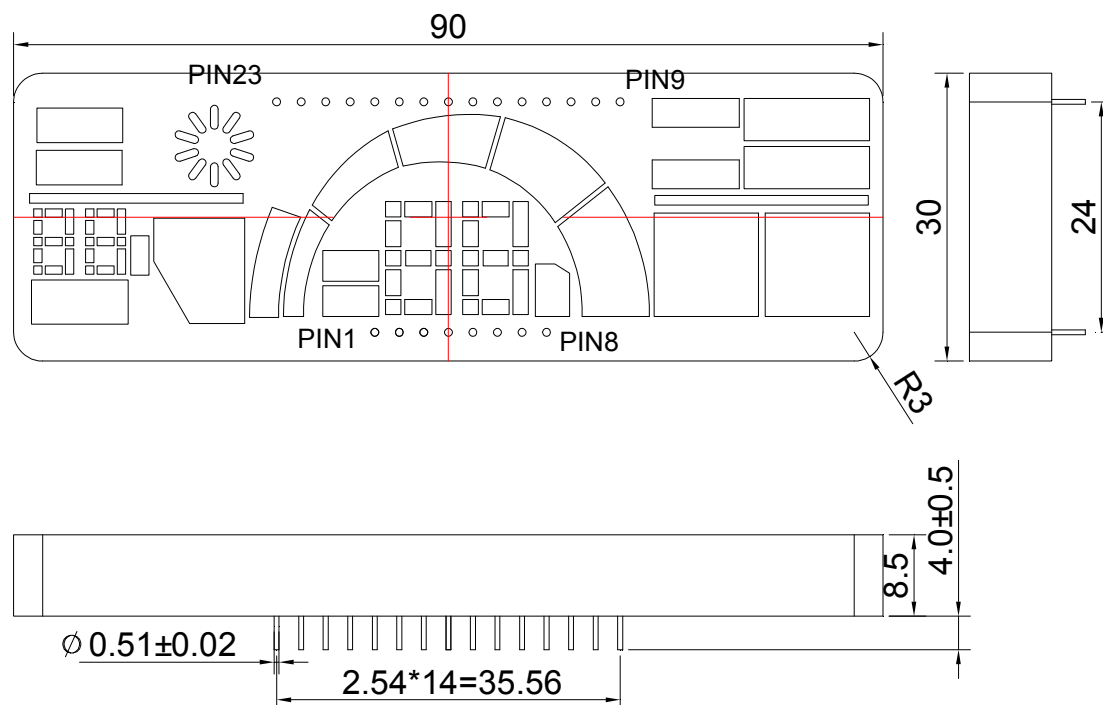
Light Bar Display LED

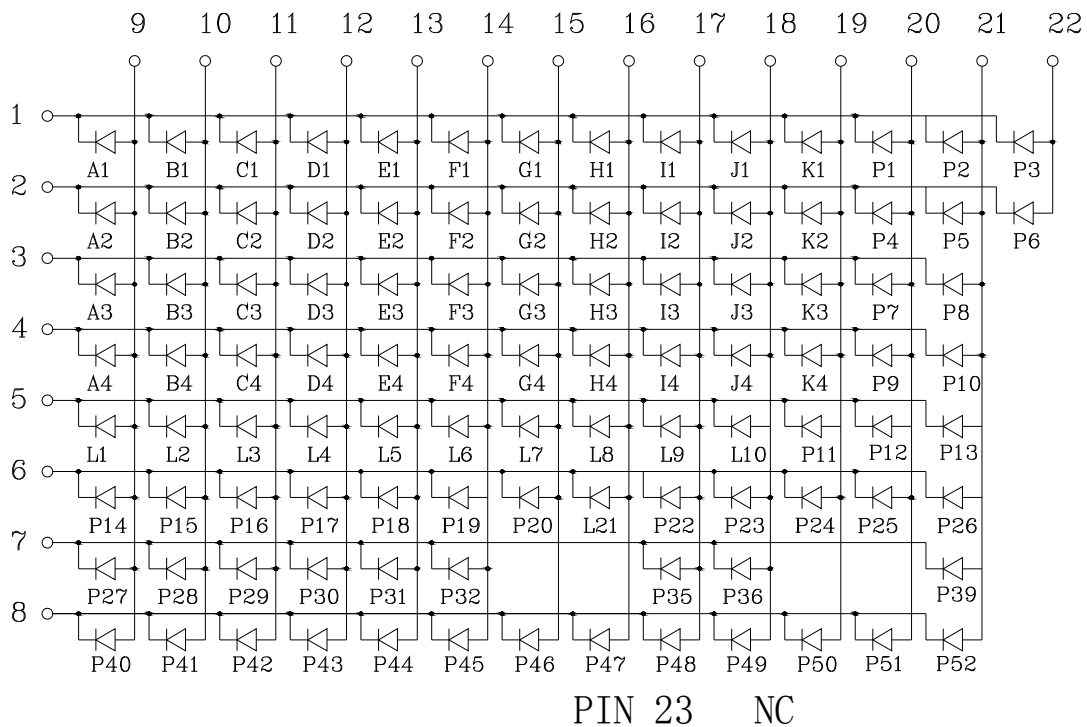
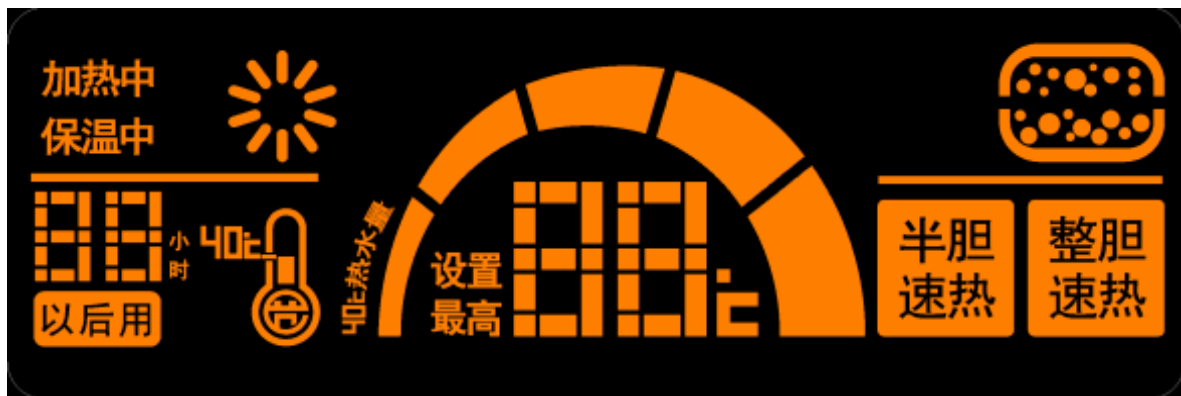
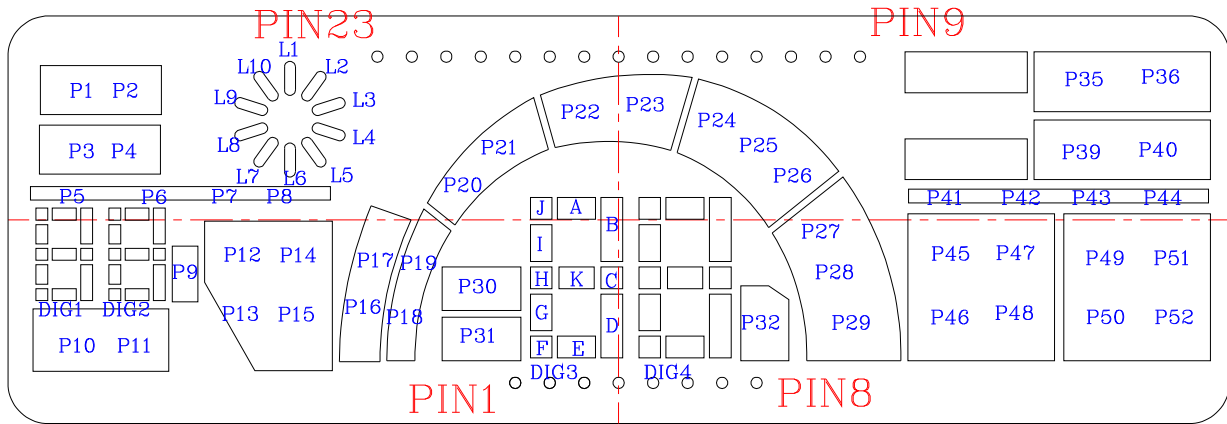
Part Number	Chip		Face Color	Segment Color
	Material	Source Color		
TOA-L90301AME-B4-D	AlGaInP	Ultra-orange	Black	White

Features

- Light bar display
- Common cathode
- I.C. compatible
- Low power requirement
- RoHS compliant

Package Dimensions & Internal Circuit Diagram





Notes: All dimensions are in millimeters, tolerance: ± 0.25 ; Angle: $\pm 0.1^\circ$

Absolute Maximum Rating @ Ta=25°C

PARAMETER	VALUE	UNITS
Power Dissipation Per Dice	75	mW
Peak Forward Current Per Dice (1/10 Duty Cycle, 0.1ms Pulse Width)	80	mA
Continuous Forward Current Per Dice	20	mA
Recommend Operating Current	12	mA
Reverse Voltage Per Dice	5	V
Operating Temperature Range	-25 to +85	°C
Storage Temperature Range	-30 to +85	°C
Lead-Free Solder Temperature(1/16 Inch Below Seating Plane)	260°C for 3 sec.	

Electrical / Optical Characteristic @ Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNITS	TEST CONDITION
Dominant Emission Wavelength	λ_d		623		nm	$I_F=20\text{mA}$
Spectral Line Half-Width	$\Delta\lambda$		17		nm	$I_F=20\text{mA}$
Forward Voltage Per Dice	V_F	1.8	2.0	2.3	V	$I_F=20\text{mA}$
Reverse Current Per Dice	I_R			100	μA	$V_R=5\text{V}$
Luminous Intensity Matching Rate	$I_v - m$			2.0:1		$I_F=20\text{mA}$

The DISPLAYS should be kept at 30°C or less and 60%RH or less. The DISPLAYS should be used within one year.

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