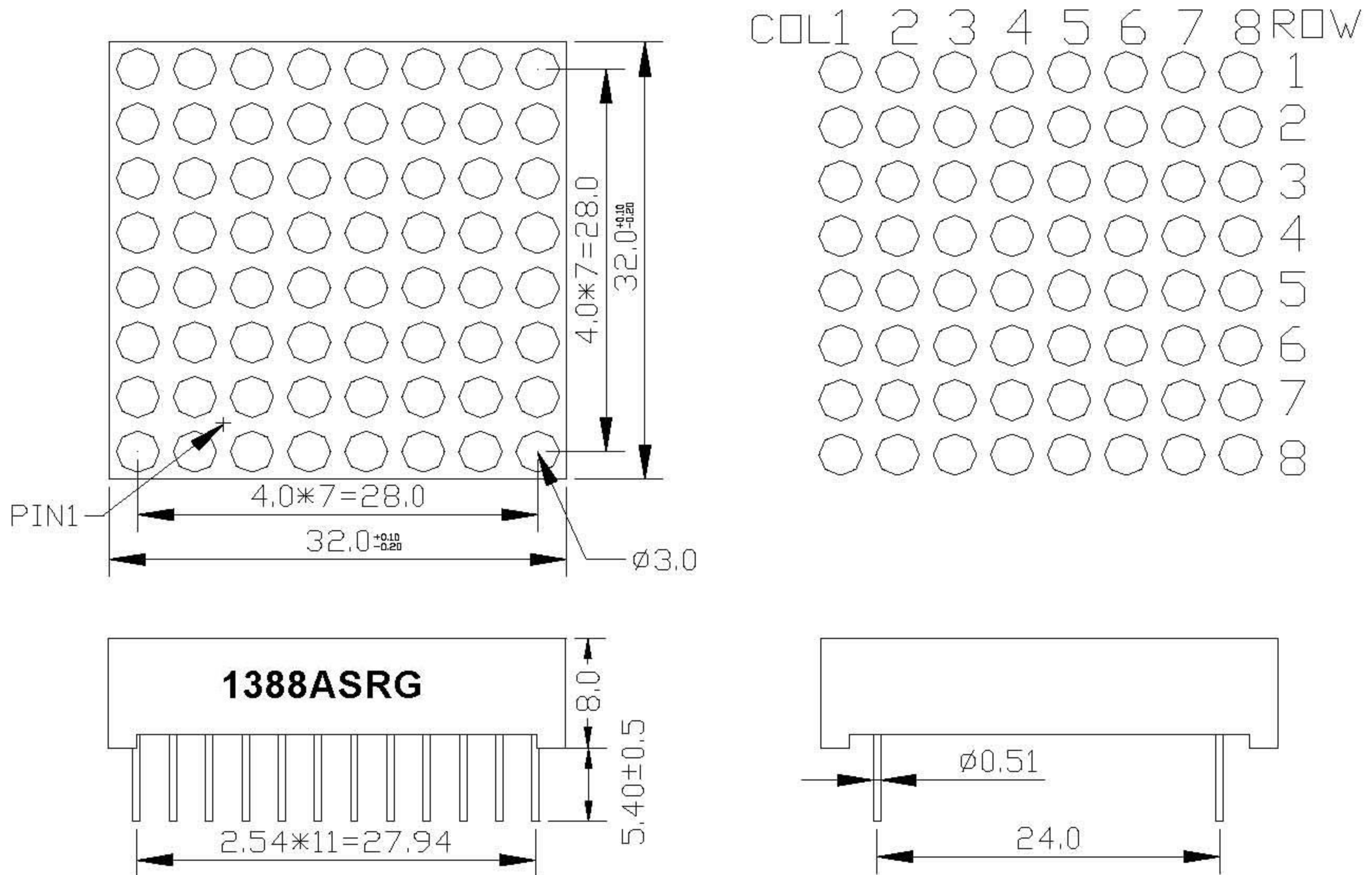
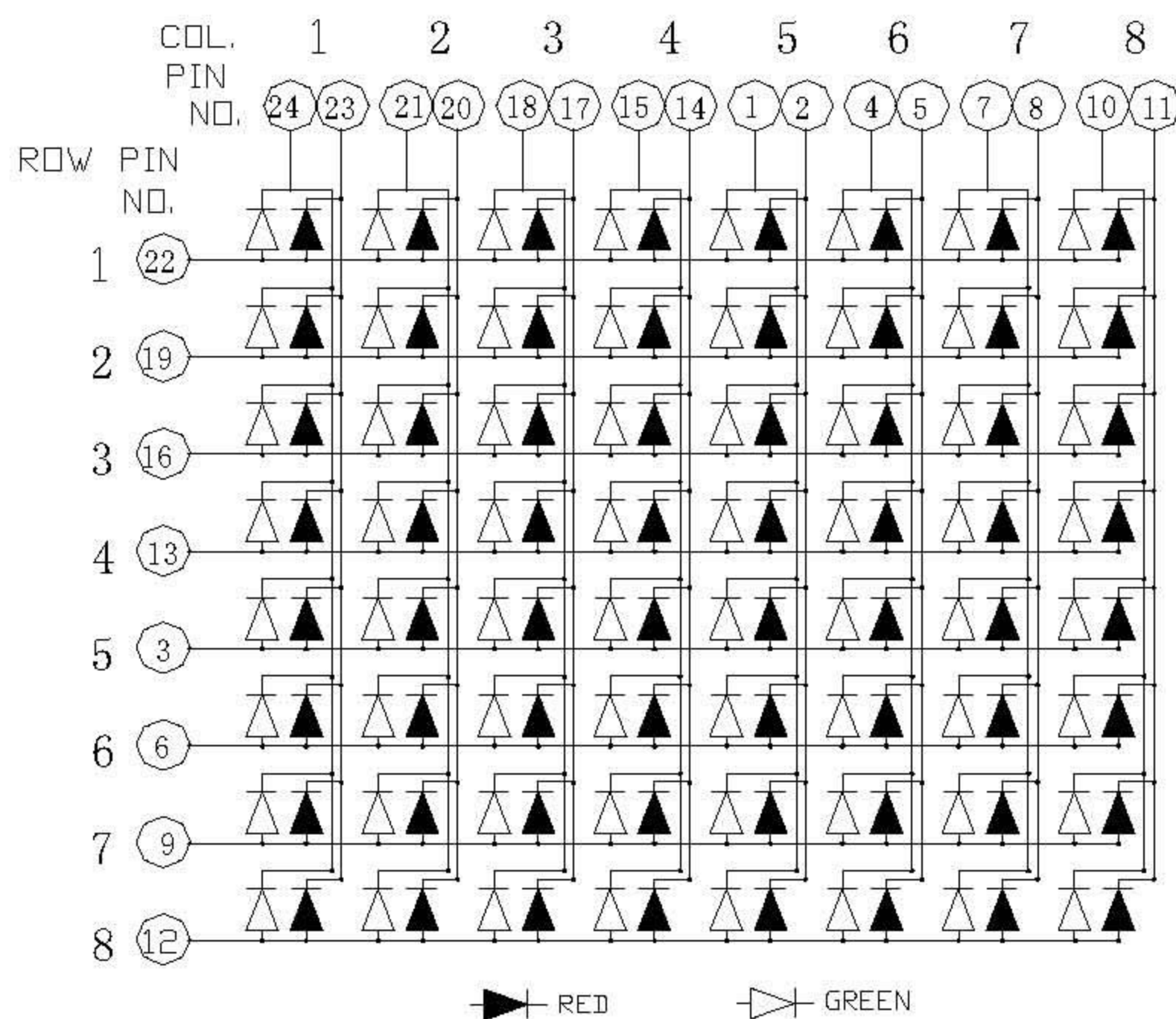


1388ASRG

PACKAGE DIMENSIONS



INTERNAL CIRCUIT DIAGRAM



NOTES:

1. All Dimensions are in millimeters(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.01\text{'})$ unless otherwise noted

GENERAL INFORMATION

Part NO.	Chip Material	Emitting Color		Lens Type	Description
1388ASRG	GaP	GREEN	RED	Diffused	Common Anode

Electrical/Optical Characteristics at Ta=25°C

Parameter	Symbol	Emitting Color	Typ.	Max.	Unit	Conditions	
Luminous Intensity	I _v	GREEN	13.5	14.55	mcd	I _F =20mA	
		RED	11.38	15.79			
Peak Wavelength	λ _P	GREEN	571		nm	I _F =20mA	
		RED	645				
Dominant Wavelength	λ _D	GREEN	571		nm	I _F =20mA	
		RED	647				
Spectral Line Half-Width	Δλ	GREEN	—		nm	I _F =20mA	
		RED	—				
Forward Voltage	V _F	GREEN	2.27	2.6	V	I _F =20mA	
		RED	1.83	2.10			
Reverse Current	I _R	50			—	uA	V _R =5V

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P _d	140	mW
Forward Current	I _F	20	mA
Peak Forward Current(1)	I _F (Peak)	80	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{opr}	-40° c+80° c	
Storage Temperature	T _{stg}	-40° c+80° c	
Lead Solder Temperature(2)	T _{sol}	260° c for 5 seconds	

Notes:

- 1/10 duty cycle, 0.1ms pulse width.
- 2mm below package base.