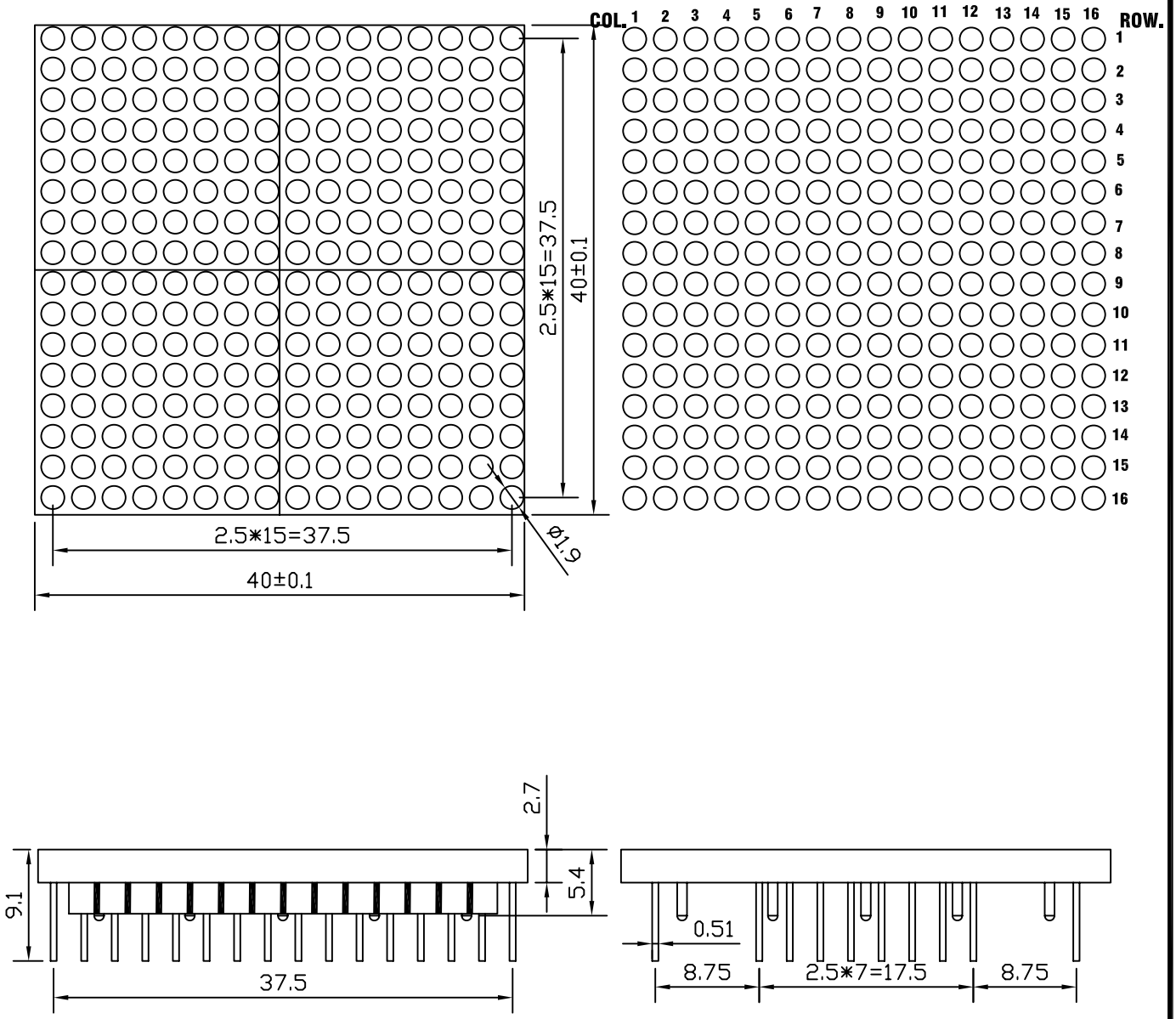
GYXM-161616ASRG

PACKAGE DIMENSIONS



NOTES:

1. All Dimensions are in millimeters(inches).
2. Tolerance is ± 0.25mm(0.01")unless otherwise noted

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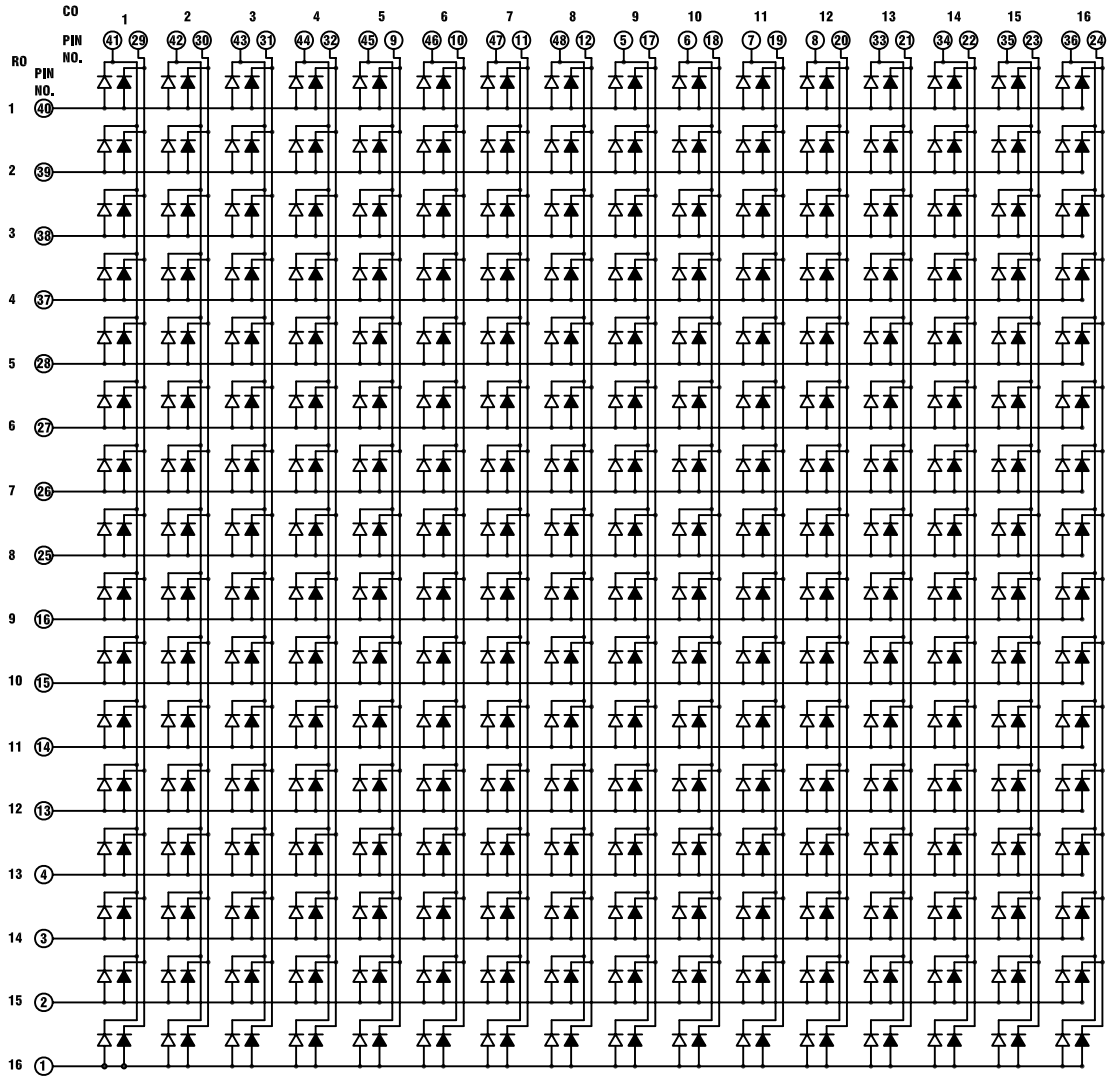
INTERNAL CIRCUIT DIAGRAM



GREEN RED

NOTES:

1. All Dimensions are in millimeters(inches). GREEN RED
2. Tolerance is ± 0.25mm(0.01")unless otherwise noted

GENERAL INFORMATION

Part NO.	Chip Material	Emitting Color	Lens Type	Description
GYXM-161616ASRG	GaAlAs/GaAs	RED	water clear	common Anode
	GaP	GREEN		

Electrical/Optical Characteristics at Ta=25°C

Parameter	Symbol	Typ.	Max.	Unit	Conditions
Luminous Intensity	Iv	11	—	mcd	$I_{F=20mA}$
		13	—		
Peak Wavelength	λP	—	—	nm	$I_{F=20mA}$
		—	—		
Dominant Wavelength	λD	645	—	nm	$I_{F=20mA}$
		572	—		
Spectral Line Half-Width	Δλ	—	45	nm	$I_{F=20mA}$
		—	30		
Forward Voltage	V_F	1.85	1.95	V	$I_{F=20mA}$
		2.20	2.30		
Reverse Current	I_R	50	—	uA	V_R=5V

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	Pd	65	mW
		75	
Forward Current	I_F	20	mA
Peak Forward Current(1)	$I_{F(Peak)}$	120	mA
		120	
Reverse Voltage	V_R	5	V
Operating Temperature	Topr	-40° c+80° c	
Storage Temperature	Tstg	-40° c+80° c	
Lead Solder Temperature(2)	Tsol	260° c for 5 seconds	

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