FEATURES

＊1.4 inch (35.76mm) MATRIX HEIGHT.
＊LOW POWER REQUIREMENT.
＊SINGLE PLANE, WIDE VIEWING ANGLE.
＊SOLID STATE RELIABILITY.
＊5×8 ARRAY WITH X-Y SELECT.
＊COMPATIBLE WITH USASCII AND EBCDIC CODES.
＊STACKABLE HORIZONTALLY.
＊CATEGORIZED FOR LUMINOUS INTENSITY.

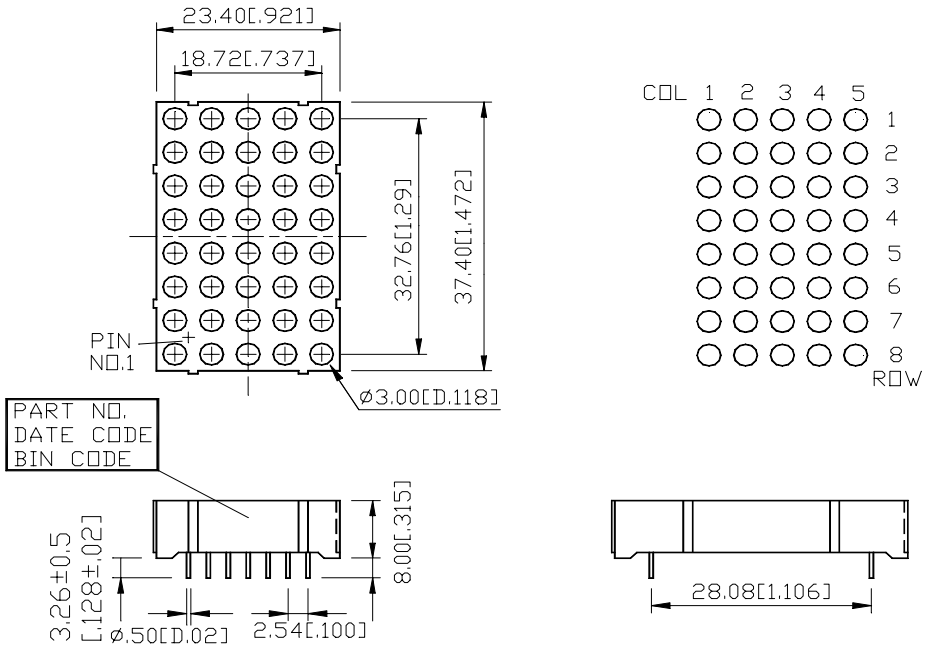
DESCRIPTION

The LTP-14058AY is a 1.4 inch (35.76 mm) matrix height 5×8 dot matrix displays. This device utilizes yellow LED chips, which are made from GaAsP on GaP substrate, and has a gray face and white dot color.

DEVICE

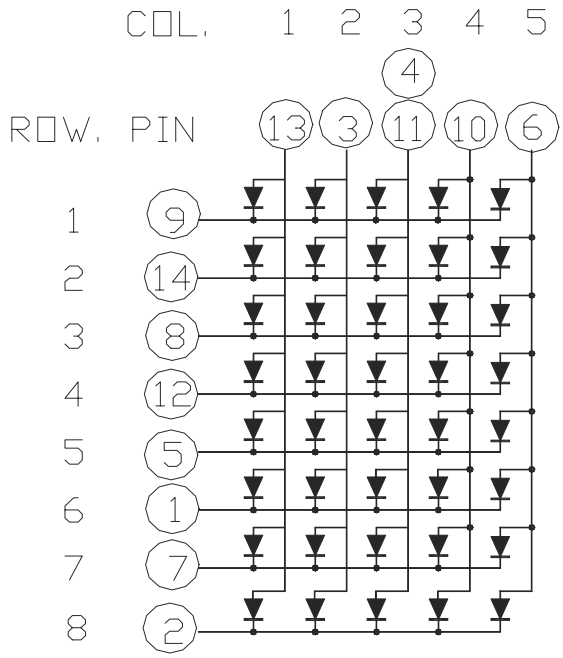
PART NO.	DESCRIPTION
YELLOW	ANODE COLUMN
LTP-14058AY	CATHODE ROW

PACKAGE DIMENSIONS



NOTES: All dimensions are in millimeters. Tolerances are ± 0.25 mm (0.01“) unless otherwise noted.

INTERNAL CIRCUIT DIAGRAM



PIN CONNECTION

No.	CONNECTION
1	CATHODE ROW 6
2	CATHODE ROW 8
3	ANODE COLUMN 2
4	ANODE COLUMN 3
5	CATHODE ROW 5
6	ANODE COLUMN 5
7	CATHODE ROW 7
8	CATHODE ROW 3
9	CATHODE ROW 1
10	ANODE COLUMN 4
11	ANODE COLUMN 3
12	CATHODE ROW 4
13	ANODE COLUMN 1
14	CATHODE ROW 2

ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT
Average Power Dissipation Per Dot	32	mW
Peak Forward Current Per Dot	80	mA
Average Forward Current Per Dot	10	mA
Derating Linear From 25℃ Per Dot	0.12	mA/℃
Reverse Voltage Per Dot	5	V
Operating Temperature Range	-35℃ to +85℃	
Storage Temperature Range	-35℃ to +85℃	
Solder Temperature: max 260℃ for max 3sec at 1.6mm[1/16inch] below seating plane.		

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	I_V	1780	4000		μcd	I_P=80mA 1/16Duty
Peak Emission Wavelength	λp		585		nm	I_F=20mA
Spectral Line Half-Width	Δλ		35		nm	I_F=20mA
Dominant Wavelength	λd		588		nm	I_F=20mA
Forward Voltage any Dot	V_F		2.1	2.6	V	I_F=20mA
			3.0	3.7		I_F=80mA
Reverse Current any Dot	I_R			100	μA	V_R=5V
Luminous Intensity Matching Ratio	I_{V-m}			2:1		I_P=80mA 1/16Duty

Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.