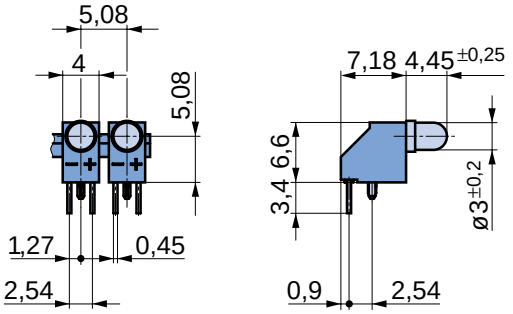
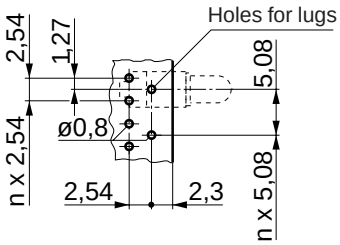
LED-Arrays

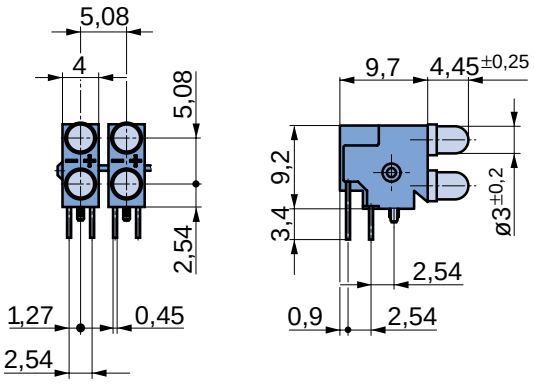
Single-height LED-Arrays



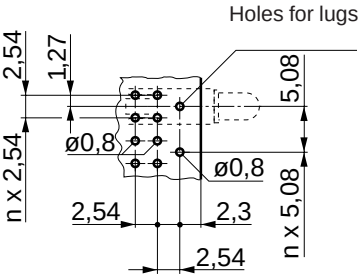
Drilling diagram
View from component side



Double-height LED-Arrays



Drilling diagram
View from component side



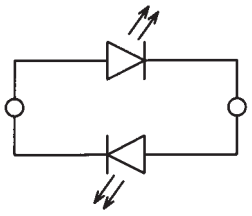
Description

High-quality diode and plastic body, forming a compact unit for easy assembly.

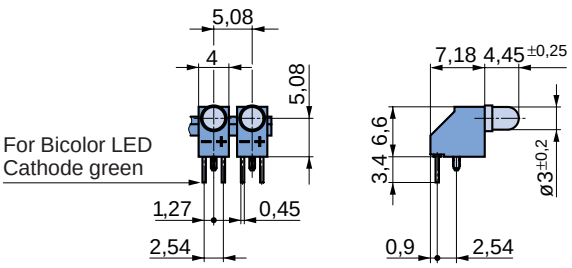
Description Bicolor LED

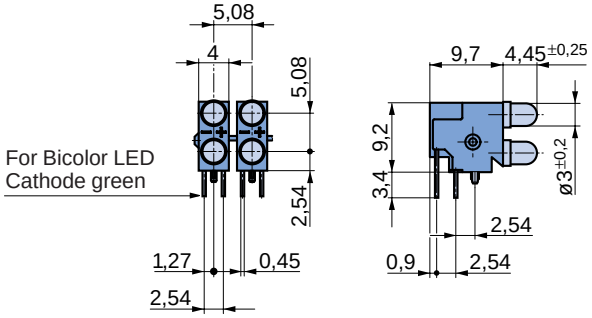
Bicolor LEDs contain two semiconductors connected in antiparallel in the diffused white housing. Light red or green depending on the polarity of the voltage applied.

Contact arrangement



Single/Double-height LED-Arrays Bicolor





1 mm = 0.04 inch 1 inch = 25.4 mm

LED-Arrays

Features

- Space-saving assembly thanks to small-size components
- Adapted to DIN 41494, steps of 2,54 mm (0,1”)
- Assembly is quick and easy

No additional fixings are required
Precise positioning
Soldering and cleaning by machine is possible
Available in blocks, ready for assembly
Tinned terminals

Technical data

Temperature range

Storage temperature: – 40 °C to + 80 °C
Operating temperature: – 20 °C to + 70 °C

Main body material

high-quality temperature-resistant thermoplastic

Main body material

high-quality, temperature-resistant thermoplastic

Soldering temperature

≤ 5 s / ≤ 260 °C
Reflow version on request

LED-Arrays with LED red, green, yellow

Electrical data (HP-LED 2 mA (09H....-..)	red	yellow	green
Light intensity I_V (at I_F = 2 mA) mcd	min. 0,8 mcd	min. 0,9 mcd	min. 1,0
	typ. 2,1 mcd	typ. 1,6 mcd	typ. 2,1 mcd
Forward voltage U_F (at I_F = 2 mA)	typ. 1,8 V	typ. 1,9 V	typ. 1,8 V
	max. 2,0 V	max. 2,5 V	max. 2,2 V
Max. conducted current I_F	7 mA	7 mA	7 mA
Reverse voltage U_R (I_R = 50 µA)	5,0 V	5,0 V	5,0 V
Viewing angle (50% I_V)	50°	50°	50°
Wave length (at I_F = 2 mA)	626 nm	585 nm	569 nm
Dissipated power	24 mW	36 mW	24 mW

Electrical data (HP-LED 10 mA (09H....-..)	red	yellow	green
Light intensity I_V (at I_F = 10 mA) mcd	min. 3,4 mcd	min. 3,6 mcd	min. 2,6
	typ. 7 mcd	typ. 7 mcd	typ. 7 mcd
Forward voltage U_F (at I_F = 10 mA)	typ. 1,9 V	typ. 2,0 V	typ. 2,1 V
	max. 2,4 V	max. 2,4 V	max. 2,7 V
Max. conducted current I_F	30 mA	20 mA	30 mA
Reverse voltage U_R (I_R = 50 µA)	5,0 V	5,0 V	5,0 V
Viewing angle (50% I_V)	typ. 60°	typ. 60°	typ 60°
Wave length (at I_F = 10 mA)	626 nm	585 nm	569 nm

Special options to LED-arrays

To order a special option please use the order form. Please specify your requirements and fax it to your local contact or to Elma.

1 mm = 0.04 inch 1 inch = 25.4 mm

LED-Arrays

LED-Arrays with LED blue and bicolor

Electrical data	red/green	yellow/green
Light intensity I_V (at I_F = 20 mA)	min. 2,5 mcd typ. 10 mcd	min. 2,5 mcd typ. 9 mcd
Forward voltage U_F (at I_F = 20 mA)	typ. 2,1 V max. 3 V	typ. 2,1 V max. 2,8 V
Max. conducted current I_F	25 mA	20 mA
Reverse voltage U_R (I_R = 50 µA)	5,0 V	5,0 V
Viewing angle (50% I_V)	typ. 100°	typ. 80°
Wave length (at I_F = 20 mA)	567/650 nm	569/588 nm

Electrical data to LED blue on request.

Special options to LED-Arrays

To order a special option please use the order form. Please specify your requirements and fax it to your local contact or to Elma.

1 mm = 0.04 inch 1 inch = 25.4 mm

Order form
to LED-Arrays

Copy – Fill in – Fax ☐ Quote request ☐ Order

Company | Customer No.

Address

Phone

Name | Fax

e-mail

Quantity | Requestetd delivery date

Similar to order No. | Single-height LED-Arrays 2 mA ☐ 10 mA ☐

row of 1 ☐ | Double-height LED-Arrays 2 mA ☐ 10 mA ☐

row of 2 ☐ | Single-height LED-Arrays without guide pins ☐

row of 4 ☐ | Double-height LED-Arrays without guide pins ☐

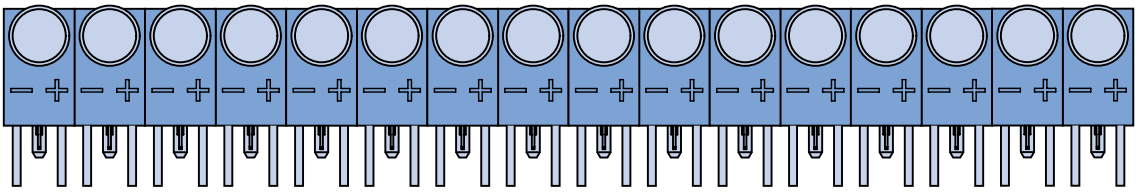
row of 8 ☐

row of 16 ☐

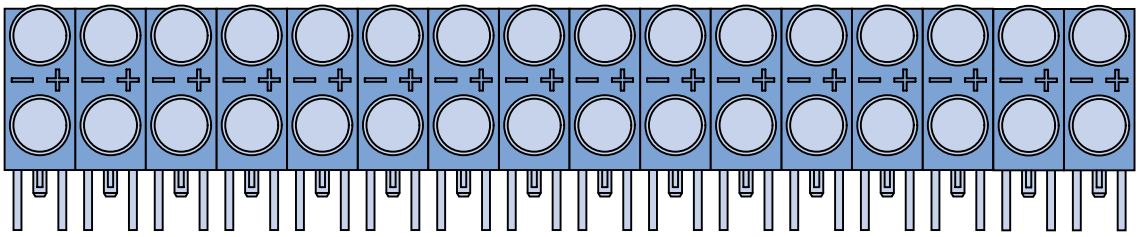
special row of _____

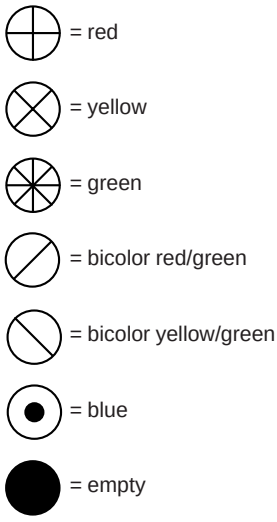
Special loading of Elma-LED-Arrays

Single-height LED-Arrays



Double-height LED-Arrays





Remarks:

ELMA
Innovative in Electronics

1 mm = 0.04 inch 1 inch = 25.4 mm