

Introducing Solderless LED Socket, Type NL2

The TE Solderless LED Socket, type NL2 is a quick termination connector system for the use with the Nichia COB-L series LED. The one piece connector assembly features the TE poke-in wire termination to wire types ranging from 18-22 AWG wire. Termination to the COB-L LED is simplified with locating features that position the LED into the socket, during the assembly process.

KEY FEATURES

- Solderless Termination to Nichia COB-L series LED
- Poke-in wire terminals accept the following:
 - 18 - 22 AWG solid wires
 - 18 - 20 AWG pre-bond wires
 - 18 AWG stranded wire
- LED retained in housing with slight press-fit (LED not included)
- UV resistant housing material
- Two screw attachment using M3 or #4 screws
- Molded polarity indicator on housing
- RoHS complaint

APPLICATIONS

- Retail Lighting
- Commercial down lights
- High bay lighting

MECHANICAL

- -25°C to 105°C continuous operating temperature
- Envelope dimensions 44,1 mm x 28 mm
- Mating cycles:
 - 1 mating cycle for wire poke-in
 - 5 mating cycles for LED termination
- Alignment pins use same hole size as mounting screws
- Accepts 18 - 22 AWG (please see chart)

Wire Range AWG.No	Insulation Diameter (mm)	Wire Type
18	Ø 1.5mm ~ Ø 2.1mm	Solid, Stranded, Prebond
20	Ø 1.5mm ~ Ø 2.1mm	Solid, Prebond
22	Ø 1.5mm ~ Ø 2.1mm	Solid

ELECTRICAL

- Current rating: 2A MAX
- Voltage rating: 100VDC
- Dielectric Withstand Voltage: 1500VAC

MATERIALS

- Terminals: LED contact area is Gold over Nickel
- Housing: UL94V-0 rated high temperature thermoplastic, UV FI resistant

STANDARDS AND SPECIFICATIONS

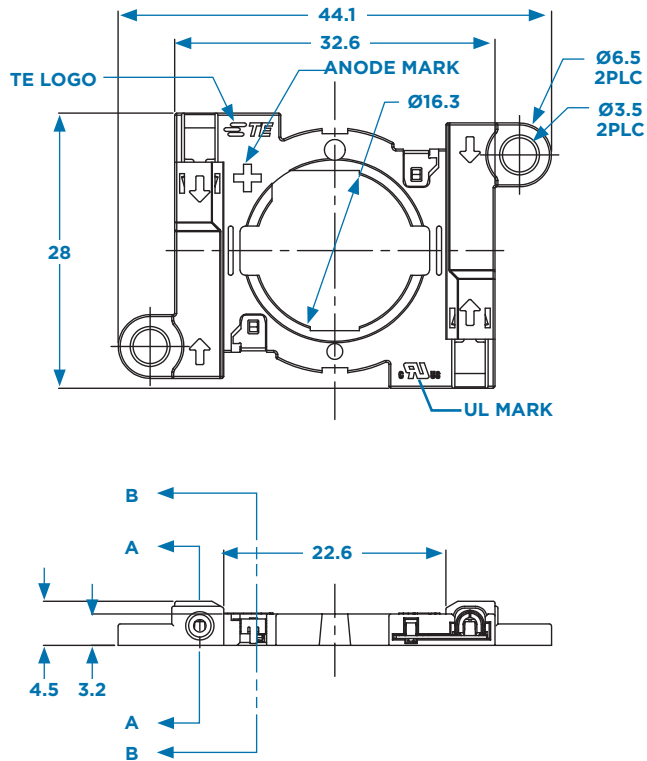
- Application specification # - 114-5491
- Product specification # - 108-78865
- Customer Drawing # - 2174024

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PRODUCT OFFERING

2174024-1: Solderless LED Socket, type NL2



Envelope dimension 44,1 mm x 28 mm

Light Emitting Surface (LES) diameter up to 16,3 mm

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