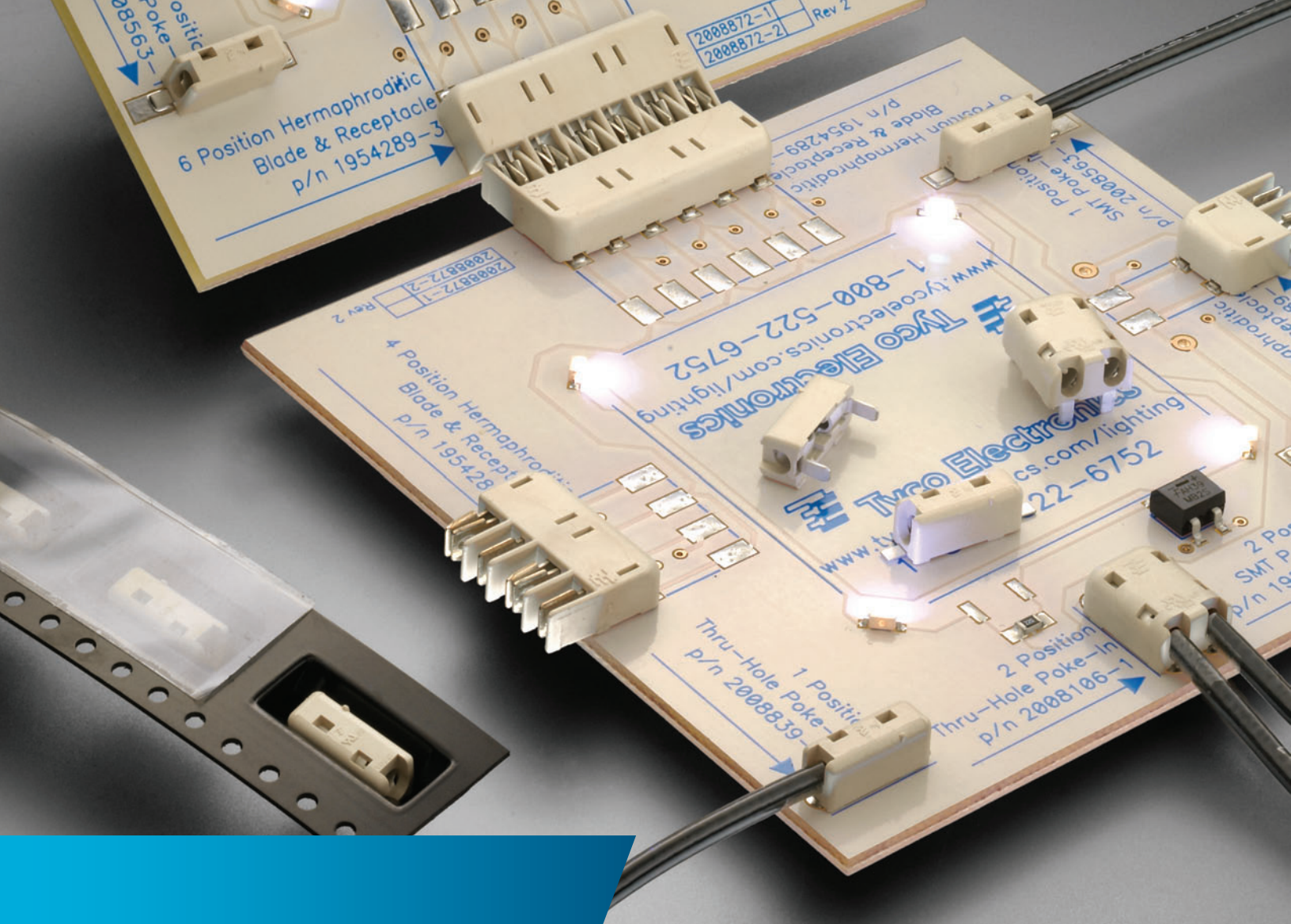




**Introducing  
SMT and Thru-Hole Poke-In  
Wire Lighting Connectors  
(Gel-Filled Option Available for Sealed  
Applications)**

SMT and Thru-Hole  
Poke-In Wire Lighting  
Connectors

(Gel-Filled Option Available  
for Sealed Applications)

KEY FEATURES

- Connectors are available in 1 and 2 positions
- Standard and Low Insertion Force connectors available
- Accepts 18, 20 and 22 AWG solid wire; 18 and 20 AWG pre-bond stranded wire; 18 AWG stranded wire
- Connectors are available in both black and white colors for polarity
- Gel-filled versions are available for indoor moisture and outdoor application
- Low profile design
- Rounded corners to minimize shadowing
- Flat top surface allows for vacuum pickup
- High temperature material for reflow processing
- Redundant SMT pads prevent peeling
- Side by side stackable with pads on 4mm centers
- Tape and reel packaging for high speed SMT and Thru Hole processing
- RoHS compliant
- Cost effective alternative to hand soldering wires to printed circuit boards

DESCRIPTION

The low profile SMT and Thru-Hole Poke-In Wire connectors are designed for lighting applications

Available in surface mount and thru-hole tape and reel packaging, the connectors are designed to accept a wide range of wire sizes and types

APPLICATIONS

- LED Lighting Controls
- General illumination LED fixtures
- Interconnecting strings of printed circuit LED light modules
- Various non-lighting applications that require attaching flying leads to printed circuit boards

ELECTRICAL

- 250VAC / 5A
- 250VDC / 5A
- 1500VAC dielectric withstanding voltage

MECHANICAL

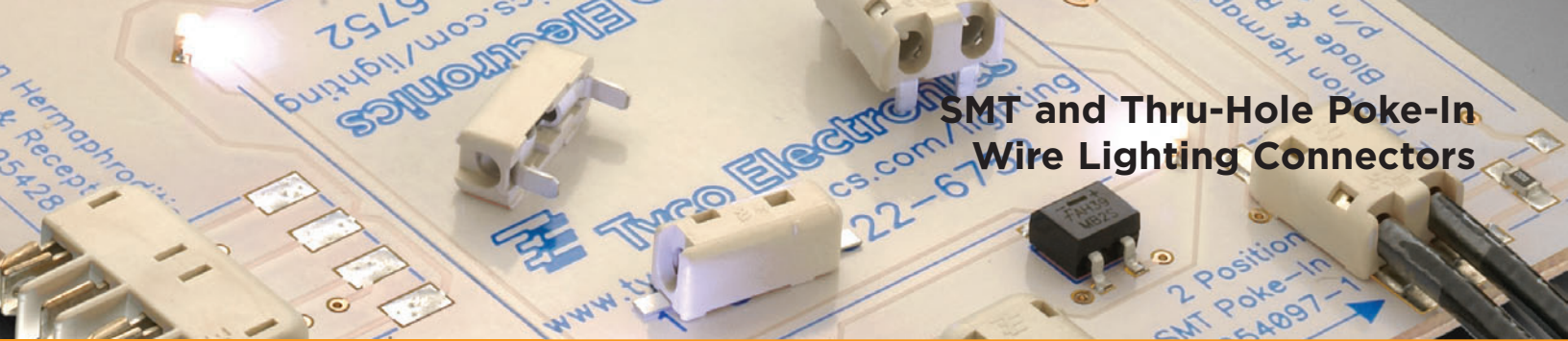
- Operating Temperature: -40° to +105° C
- Wire Retention: 5 lbs minimum

MATERIALS

- Housing: UL 94 VO rated high temperature resistant thermoplastic
- Contacts: Tin over nickel plated copper alloy

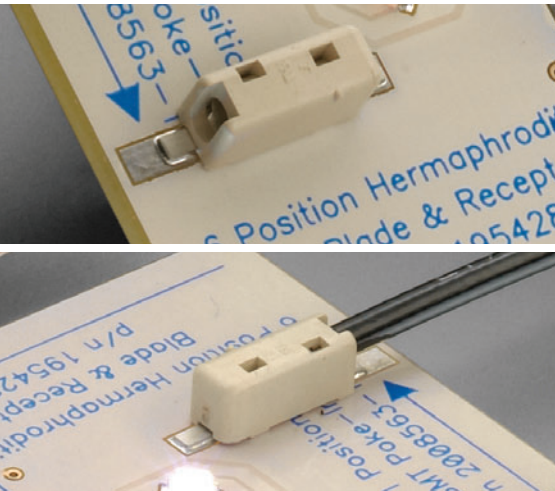
STANDARDS & SPECS

- Standard Product Application Specification: 114-13194
- Standard Product Design Objectives (Product Specification) 108-2284
- Low Insertion Force Application Specification: 114-13226
- Low Insertion Force Design Objectives (Product Specification) 108-2284-1



## SMT and Thru-Hole Poke-In Wire Lighting Connectors

### PRODUCT OFFERING



#### Standard Product Offering:

- 1 Position SMT: 2008563-1
- 1 Position SMT: 2008563-2 (Color: Black)
- 2 Position SMT: 1954097-1
- 1 Position Thru-Hole: 2008839-1
- 2 Position Thru-Hole: 2008106-1

#### Wire Sizes:

- 18, 20 and 22 AWG Solid
- 18 & 20 AWG Pre-bond Stranded
- 18 AWG Stranded (16 Strands Only)

#### Low Insertion Force Product Offering:

- 1 Position SMT: 2008683-1
- 1 Position SMT: 1-2008683-1 (Color: Black)
- 2 Position SMT: 2008683-2
- 2 Position SMT: 1-2008683-2 (Color: Black)
- 1 Position Thru-Hole: 2008683-3
- 1 Position Thru-Hole: 1-2008683-3 (Color: Black)
- 2 Position Thru-Hole: 2008683-4
- 2 Position Thru-Hole: 1-2008683-4 (Color: Black)

#### Wire Sizes:

- 18 and 20 AWG Solid
- 18 & 20 AWG Pre-bond Stranded
- 18 AWG Stranded (7, 9 & 16 Strands Only)

#### Standard Gel-Filled Product Offering:

- 1 Position SMT: 2008994-1
- 2 Position SMT: 1954785-1
- 1 Position Thru-Hole: 2008995-1
- 2 Position Thru-Hole: 2008996-1

#### Wire Sizes:

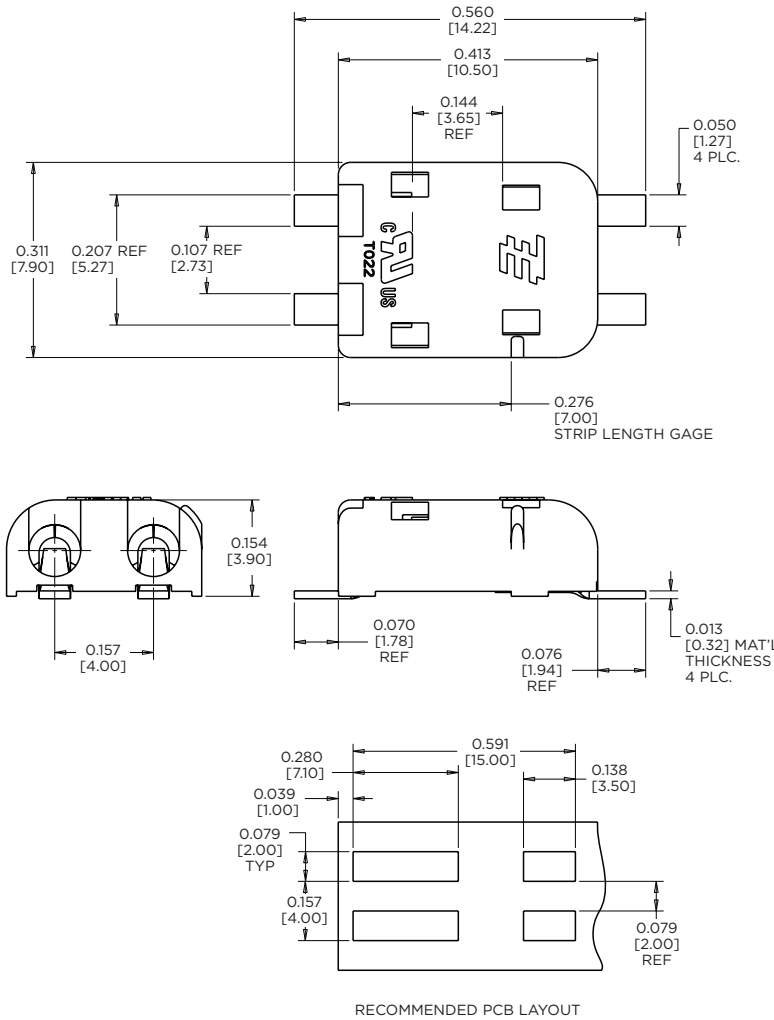
- 18, 20 and 22 AWG Solid
- 18 & 20 AWG Pre-bond Stranded
- 18 AWG Stranded (16 Strands Only)



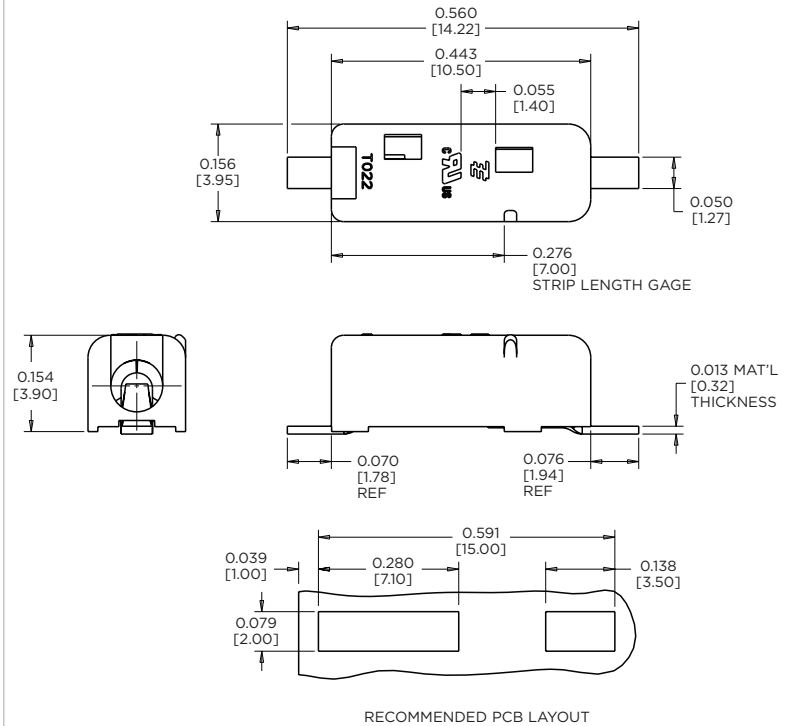
# SMT and Thru-Hole Poke-In Wire Lighting Connectors

## PRODUCT DIMENSIONS

**2 Position SMT**  
**Part No. 1954097-1**



**1 Position SMT**  
**Part No. 2008563-1**

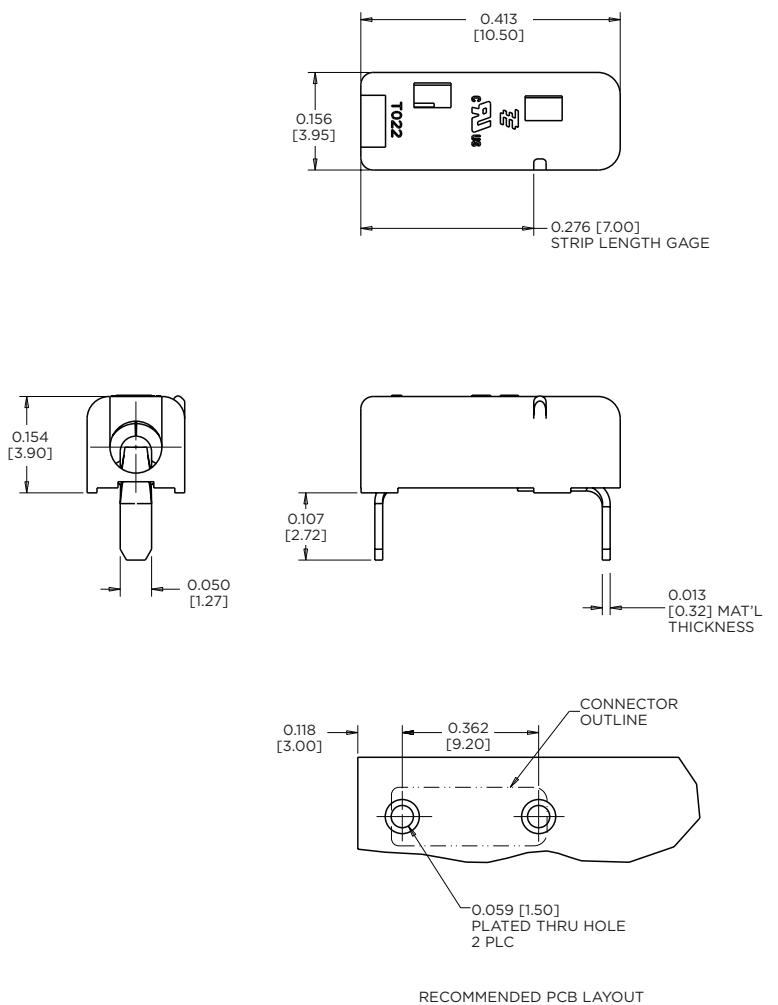
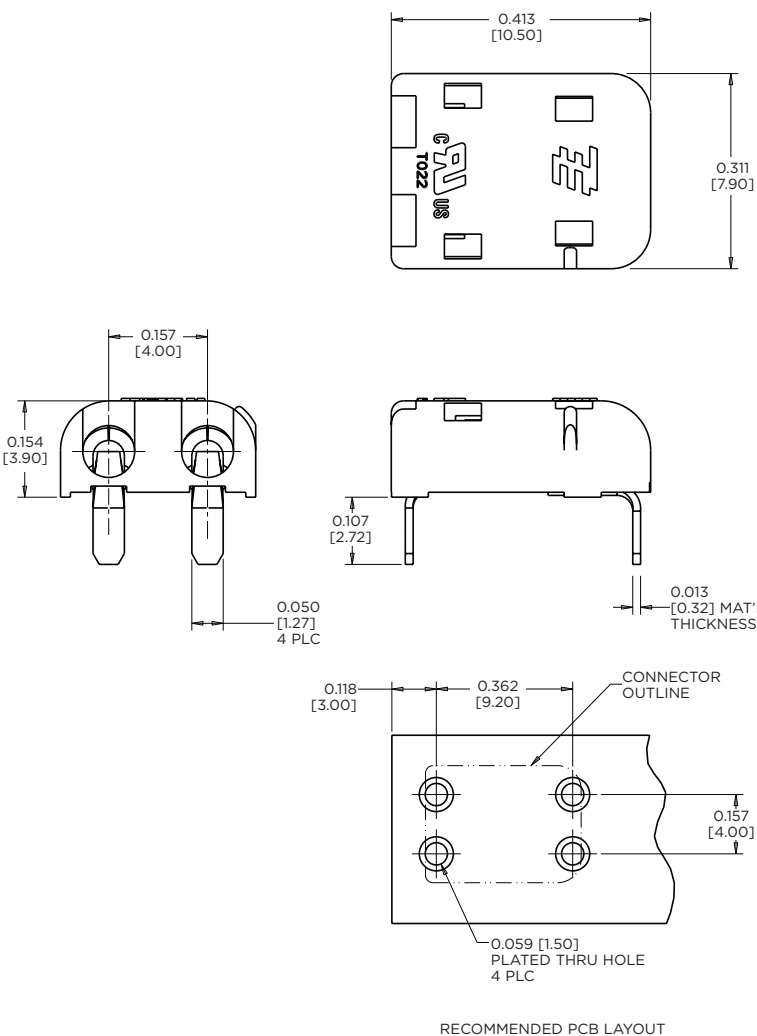


# SMT and Thru-Hole Poke-In Wire Lighting Connectors

## PRODUCT DIMENSIONS

**2 Position Thru-Hole**  
**Part No. 2008106-1**

**1 Position Thru-Hole**  
**Part No. 2008839-1**



## FOR MORE INFORMATION

### Technical Support

|                |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| Internet:      | <a href="http://www.tycoelectronics.com">www.tycoelectronics.com</a>                 |
| E-mail:        | <a href="mailto:newproducts@tycoelectronics.com">newproducts@tycoelectronics.com</a> |
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| Mexico:        | 1-800-733-8926                                                                       |
| C. America:    | 52-55-1106-0803                                                                      |
| South America: | 55-11-2103-6000                                                                      |
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