SMT and Thru-Hole Poke-In Wire Lighting Connectors

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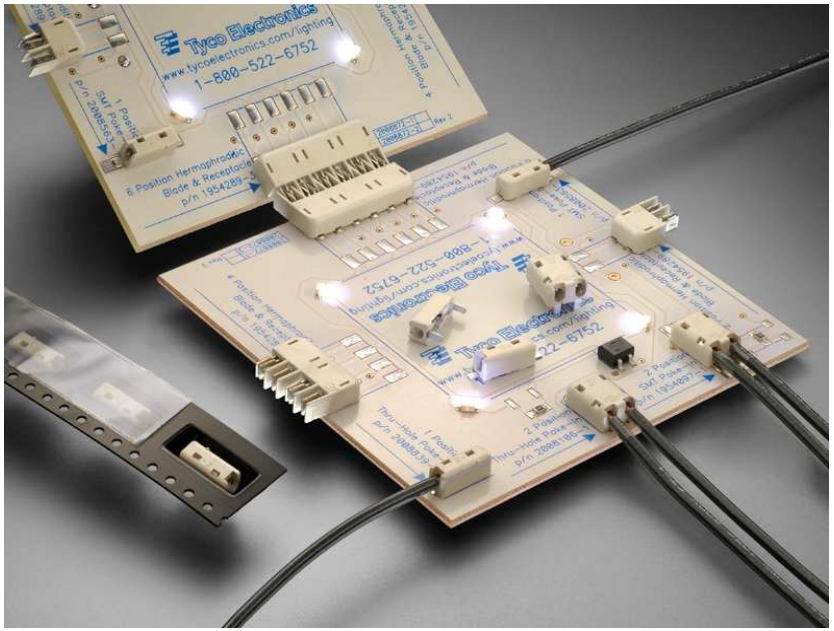
Tyco Electronics

SMT and Thru-Hole Poke-In Wire Lighting Connectors

- **Description**
  - The Tyco Electronics SMT and thru-hole poke-in wire LED lighting connectors are low profile, PCB mount connectors specifically designed for LED lighting applications
  - Available in 1 and 2 position SMT and thru-hole configurations
  - The connector accepts 18, 20 & 22 AWG solid, 18 & 20 pre-bond stranded wire or 18 AWG stranded wire



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- **Features**
  - Standard and low insertion force connectors are available
  - Single position connectors are available in both black and white colors for polarity
  - Tape & reel packaging
  - High speed for SMT processes
  - RoHS compliant
  - Redundant SMT pads prevents peeling
  - Rounded corners to minimize shadowing
  - Accepts 18, 20, 22 AWG solid wire; 18, 20 AWG prebond stranded; 18 AWG stranded
  - Gel-filled versions are available for indoor/outdoor moisture applications
  - Cost effective alternative to hand soldering wires
  - Low profile flat surface allows for vacuum pick up
  - High temperature material for type reflow processes
  - Side to side stackable with 4mm pad pitch

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- **Advantages**
  - Reduces labor associated with hand soldering leads to lighting boards---simply strip wire and poke-in
  - Low profile design to easily integrate into customer assemblies
  - SMT pick & place facilitated by tape & reel packaging

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- **Applications**
  - LED channel letter lighting strips
  - General illumination LED fixtures
  - Backlight engines
  - Outdoor LED street and walkway lighting
  - Architectural cove and valence lighting
  - Digital signage

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- **Performance data**
  - Materials:
    - Housing – high temperature resistant thermoplastic
    - Contact – copper alloy, tin over nickel plating
  - Electrical:
    - 250VDC, 5A,
    - 250VAC, 5A
  - Mechanical:
    - 5 lbs. minimum wire retention,
    - -40°C to +105°C operating temperature
  - Standards & Specs
    - UL1977 recognized, file # E28476
    - TE Standard Application Specification 114-13194
    - TE Standard Design Objectives: 108-2284
    - TE Low Insertion Force Application Specification 114-13326
    - TE Low Insertion Force Design Objectives: 108-2284-1

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