

# BUCHANAN WireMate CONNECTORS

## Slim Poke-In Series

TE Connectivity (TE)'s BUCHANAN WireMate connector slim poke-in series are developed for wire to PCB board connection. The slim connector with no housing serves as an easy poke-in connector with strong retention ability. The advantage of using this connector is that the conductor can be connected quickly without special tools and the small profile saves the space on the PCB.



### Applications

- LED Lighting Systems
- Home Automation
- Security Systems
- Telecommunications

### Electrical

- Voltage rating: 300 VAC Max
- Dielectric strength: 2000 VAC

### Specification

- Application Specification: [114-137049](#)
- Product Specification: [108-137049](#)
- UL Approval: UL1977

### Materials

- Contact: Copper Alloy with Tin plating

### Mechanical

- Operating temperature range -40 to 125°C
- Wire retention: 30 N Minimum
- Current rating: see table below

### Benefits

- Quick solderless poke in connector design
- Slim contacts that have no covering housing
- Several solutions for solid and stranded wire from 16 AWG to 24 AWG
- Safety standards with UL/CQC approval
- Available in Tape & Reel packaging

Current Ratings

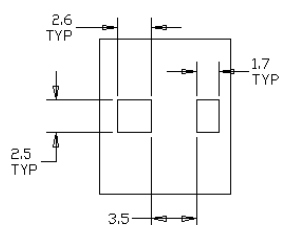
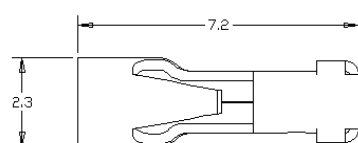
Part number	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
<a href="#">2834010-3</a>	-	-	11 A	8 A	6 A
<a href="#">2834012-3</a>	16 A	13 A	11 A	-	-

## Product Selection Information

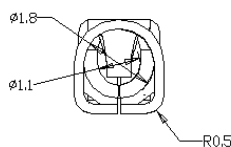
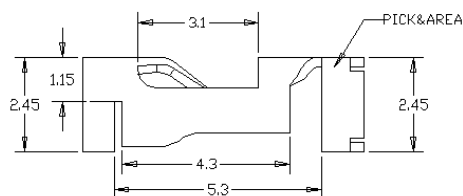
Description	Part Number
For wire 20, 22 and 24 AWG	<a href="#">2834010-3</a>
For wire 16, 18 and 20 AWG	<a href="#">2834012-3</a>

## Dimensions

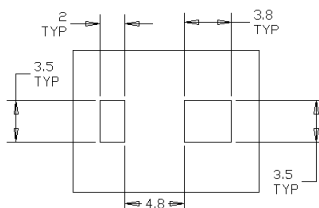
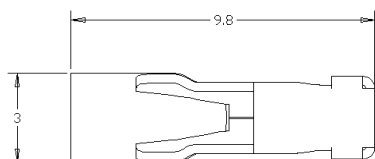
### 2834010-3



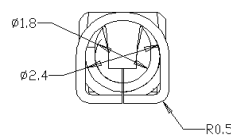
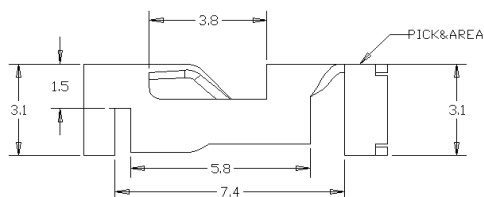
RECOMMENDED PCB LAYOUT



### 2834012-3



RECOMMENDED PCB LAYOUT



Dimensions are shown for reference purposes only. Specifications subject to change.

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