

# INTRODUCING BUCHANAN WIREMATE CONNECTOR SURFACE MOUNT TB SERIES

- Allow for simple reflow soldering and faster PCB assembly through surface mount terminal blocks
- Help ensure secure PCB mounting through SMT retention features



TE Connectivity (TE)'s BUCHANAN WireMate connector surface mount TB series is a two-piece pluggable solution designed for customers seeking to switch to surface mounted versions of the traditional two-piece terminal block. Mating plugs are available, with the option for vertical or right angle versions in position sizes from 2 to 12 poles. These connectors allow for faster PCB assembly, and optional SMT retention features further ensure secure PCB mounting. The connectors have tin-plated copper alloy contacts, and the housing material has a UL 94 V-0 flammability rating.

## KEY BENEFITS

- Allow for simple reflow soldering and faster PCB assembly through surface mount terminal blocks
- Help ensure secure PCB mounting through SMT Retention features
- Increase design flexibility with vertical or right angle versions

## APPLICATIONS

- HVAC Equipment and Controls
- Industrial Controls
- Security Systems
- Industrial Lighting Solutions
- Elevator/Escalator

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[BUCHANAN WireMate Connector Landing Page](#)

[BUCHANAN WireMate Connectors Brochure](#)

[Parts List](#)

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## ELECTRICAL

- Current/Voltage Rating:
  - 3.5mm: 8A @ 300V
  - 5.0mm, 2-9 position: 15A @ 300V
  - 5.0mm, 10-12 position: 10A @ 300V
- Impulse Withstanding Voltage:
  - 2500 V

## MECHANICAL

- Wire Gauge:
  - 3.5mm: 30-16 AWG
  - 5.0mm: 26-12 AWG

## MATERIALS

- Housing Thermoplastic, Black (UL 94 V-0)
- Contact Copper Alloy, Tin Plated

## STANDARDS & SPECIFICATIONS

- UL E60677

