

BUCHANAN WireMate CONNECTOR

Surface Mount TB Series

TE Connectivity (TE)'s BUCHANAN WireMate connectors surface mount series is a two-piece pluggable connector solution designed for customers seeking to switch from wave soldering to surface mount PCB processing. The new series includes surface mount headers and mating plugs in vertical and right-angle configurations from 2 to 12 poles. The surface mount headers are one of several product offerings from TE enabling customers to make the change to full SMT processed printed circuit boards.



Applications

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

Electrical

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

Mechanical

- **Wire Gauge:** 3.5mm: 30-16 AWG
5.0mm: 26-12 AWG
- **Screw Torque:** 4.5 in-lbf

Materials

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

Product Compliance / Approvals

- UL E60677



Benefits




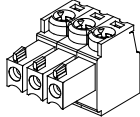
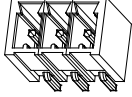
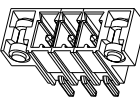
- Surface mount headers allow for simple reflow soldering and faster PCB assembly
- Retention features ensure secure PCB mounting
- 90°, 180°, 270° wire entry plugs

Product Selection Information

3.5mm Plug

mates with 3.5mm Header

or mates with 3.5mm Header

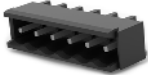



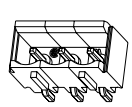
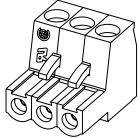
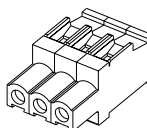
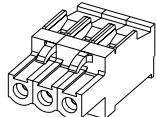
Positions	Plug PN's	Description	Header PN's	Description	Header PN's	Description
2	2213936-2	3.5mm Pitch 180° Wire Entry Plug  2213936-3	2213932-2	3.5mm Pitch SMT Right Angle Standard Header  2213932-3	2213933-2	3.5mm Pitch SMT Right Angle Header with Retention Pins  2213933-3
3	2213936-3		2213932-3		2213933-3	
4	2213936-4		2213932-4		2213933-4	
5	2213936-5		2213932-5		2213933-5	
6	2213936-6		2213932-6		2213933-6	
7	2213936-7		2213932-7		2213933-7	
8	2213936-8		2213932-8		2213933-8	
9	2213936-9	2213932-9	2213933-9			
10	1-2213936-0	 1-2213936-0	1-2213932-0	 1-2213932-0	1-2213933-0	 1-2213933-0
11	1-2213936-1		1-2213932-1		1-2213933-1	
12	1-2213936-2		1-2213932-2		1-2213933-2	

5.0mm Header

mates with 5.0mm Plug

or mates with 5.0mm Plug

or mates with 5.0mm Plug

Positions	Header PN's	Description	Plugs PN's	Description	Plugs PN's	Description	Plugs PN's	Description
2	2305908-2	5.0mm Pitch SMT Right Angle Standard Header  2305908-3	2305909-2	5.0mm Pitch 180° Wire Entry Plug with Retention Clips  2305909-3	2213934-2	5.0mm Pitch 270° Wire Entry Plug with Retention Clips  2213934-3	2213935-2	5.0mm Pitch 90° Wire Entry Plug with Retention Clips  2213935-3
3	2305908-3		2305909-3		2213934-3		2213935-3	
4	2305908-4		2305909-4		2213934-4		2213935-4	
5	2305908-5		2305909-5		2213934-5		2213935-5	
6	2305908-6		2305909-6		2213934-6		2213935-6	
7	2305908-7		2305909-7		2213934-7		2213935-7	
8	2305908-8		2305909-8		2213934-8		2213935-8	
9	2305908-9	2305909-9	2213934-9	2213935-9				
10	1-2305908-0	 1-2305908-0	1-2305909-0	 1-2305909-0	1-2213934-0	 1-2213934-0	1-2213935-0	 1-2213935-0
11	1-2305908-1		1-2305909-1		1-2213934-1		1-2213935-1	
12	1-2305908-2		1-2305909-2		1-2213934-2		1-2213935-2	

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1-1773929-7 JN 06/2017

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