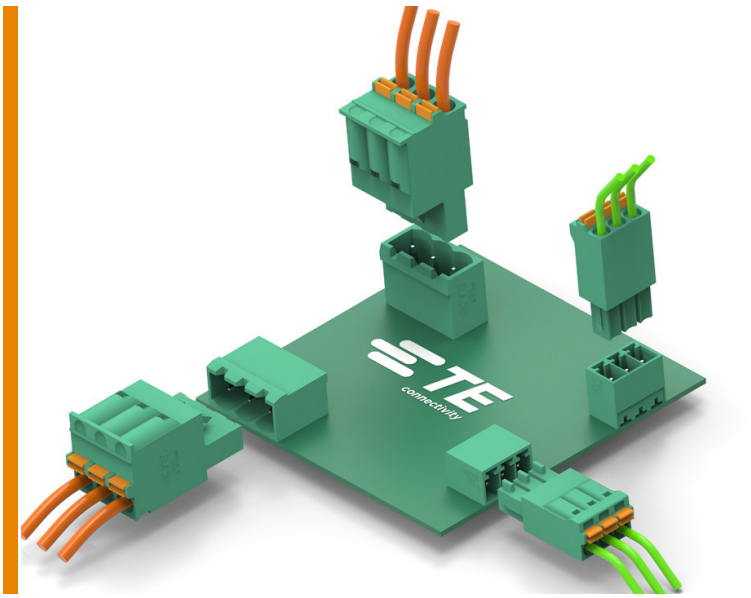
INTRODUCING

BUCHANAN PUSH-IN CLAMP PCB CONNECTORS

- **Reduced labour costs due to shorter wiring time with Push-in clamp termination**
- **Various pitches and numbers of positions enables design flexibility in a wide range of applications.**



TE Connectivity is expanding its Buchanan portfolio with Push-in clamp termination PCB Connectors to enable tool-less wire insertion of ferruled and unferruled wires. This saves up to 80% installation labor time vs. traditional screw-clamp termination, leading to important cost savings.

The design of the PCB Connectors in 3.5 mm and 5.0 mm pitch consists of two-piece plug connectors with mating straight and right angle shrouded headers. TE engineers have designed this product range for use in control system applications to suit high density signal and power applications.

KEY BENEFITS

- Reduced labor costs due to shorter wiring time with Push-in clamp termination.
- Various pitches and numbers of positions enables design flexibility in a wide range of applications.
- Maintenance-free Push-in clamp technology gives higher uptime and reliability of manufacturing process equipment and control devices.
- Products with Push-in clamp technology are also suitable for use in harsh environments.
- Customer-specific versions are available to enable individual customized solutions.

APPLICATIONS

- Servo/Inverter Drives
- Industrial Controls/PLC
- Safety Controls/Modules
- Power Supply Units
- HVAC

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Buchanan Push-In Clamp PCB Connectors Group Page

MECHANICAL

- Wire Strip Length: 9.0-10.0 mm (3.50 mm pitch)
  12.0-13.0 mm (5.00 mm pitch)
- PCB Hole Diameter: min 1.3 mm
- PCB Board Thickness: max 2.4 mm

MATERIALS

- Housing : Polyamide 66, UL 94V-0, Green
- Terminals : Brass; Finish: Leadfree tin-plated
- Push Button : Polyamide 66, Orange
- Spring : Stainless steel

ELECTRICAL

	PITCH (mm)	UL	IEC		
			Overvoltage category / Pollution degree		
			III / 3	III / 2	II / 2
Operating Voltage(V)	3.50	150	XX	XX	XX
	5.00	300	160	XX	320
Current(A)	3.50	8	XX		
	5.00	16	XX		
Wire Range	3.50	16-24	XX		
	5.00	12-26	XX		
Dielectric Withstand	3.50	XX	XX		
	5.00	2.5kV	2.5kV		
Wire Type		Sol/Str	Sol/Str		
Insulation Resistance	>2000MΩ (500V DC)				
Contact Resistance	<XX mΩ				

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