

# SPOTLIGHT ON VAL-U-LOK CONNECTOR SERIES WITH TPA ACCESSORY

- Help prevent contact backout with optional TPA accessory
- Provide header and plug mating confirmation with audible latch

TE Connectivity's (TE) VAL-U-LOK product line expanded with a new design accommodating Terminal Position Assurance (TPA) accessories, helping guarantee a higher quality connection. TPA helps ensure contacts are fully seated in the housing and helps prevent contact disengagement and backout from the cavity when subjected to vibration, shock or pull force. TPA provides secondary protection to help reduce the possibility of safety and performance issues. New crimp, pin and socket contacts for discrete 26-18 AWG wires are designed to snap into these new housings and work in association with the TPA devices. These new additions to the 4.2 mm [.165 in] centerline product family support dual row housings. Rated up to 600 VAC and 9 A per line, the offering supports 2 to 24 position panel mount plugs, free-hanging plugs and receptacles. The new VAL-U-LOK connectors with TPA are intermateable with existing VAL-U-LOK connectors and headers, supporting wire-to-panel, wire-to-wire and wire-to-board applications.

## BENEFITS

- Help ensure contacts are fully seated while providing an added measure against contact backout with optional TPA
- Provide header and plug mating confirmation with audible latch
- Support a broad range of design and application needs with extensive product offering in single row, dual row, wire-to-wire and wire-to-board configurations
- Facilitate competitive retrofit supported by intermateability with market available products
- Save PCB space with side-by-side mounting capability
- Help meet flame-retardant safety requirements (IEC/EN 60335-1) with glow wire (GWT) material option

## APPLICATIONS

- Industrial control cabinet wiring.
- Motion control wiring for industrial robotics
- Vending Machines
- Architectural lightings
- Interconnections in refrigeration equipment
- HVAC
- Business Equipment
- Switching Power Supplies
- Garage Door Openers
- Coin Changers
- Audio / Video Devices

## ELECTRICAL

- Voltage Rating Max: 600 VAC
- Current Rating: up to 9A

## MECHANICAL

- Wire Size: 26-18 AWG (0.12-0.80 mm<sup>2</sup>)
- Centerline: 4.2 mm

## MATERIALS

- UL94 V0 and V2 rated Nylon
- Glow wire product compliant 750°C no flame according to IEC 60335-1

## STANDARDS & SPECIFICATIONS

- Product specification #108-2112
- Application specification #114-13172
- Instruction sheet #408-32113
- UL Recognized

## LEARN MORE

[VAL-U-LOK Connectors Overview](#)

[VAL-U-LOK with TPA Product Flyer](#)

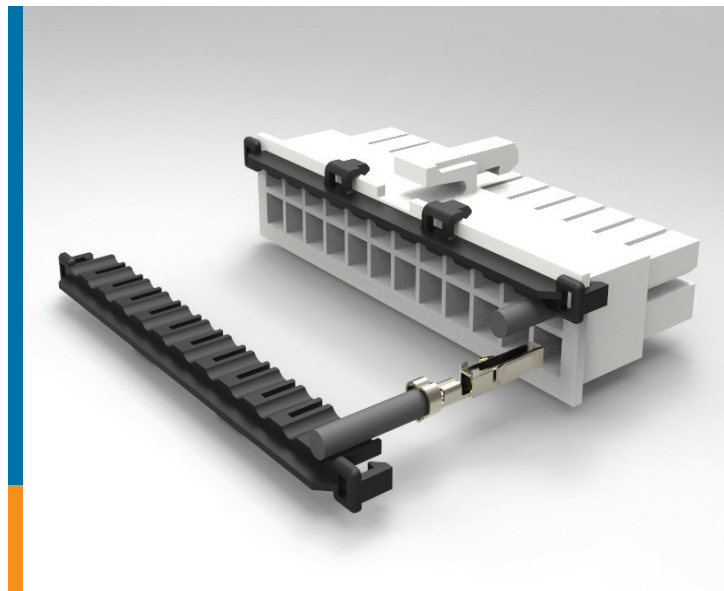
[VAL-U-LOK with TPA Customer Presentation](#)

[VAL-U-LOK Connectors Product Specification](#)

[VAL-U-LOK Connectors Application Specification](#)

[VAL-U-LOK with TPA Instruction Sheet](#)

[Download Parts List](#)



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