



ECONOMY POWER 2.5 CONNECTORS

Quick Reference Guide

The Economy Power 2.5 (EP 2.5) connector is a single row or dual row crimp connector system. Based on a 2.5mm (0.098") centerline pitch, it is a very compact solution. EP 2.5 connectors provide a comprehensive connectivity solution with vertical and right angle headers, optional TPA retainers, wire-to-wire and wire-to-board options and a range of resin materials that include types meeting Glow Wire Test and UL 94 V-0 standards, as well as packaging to support automated board assembly. Additionally, EP 2.5 connectors are intermateable with similar products available in the market, facilitating simple retrofitting.

With board space increasingly at a premium, the EP 2.5 connector series offers an ideal interconnection solution for densely packed printed circuit boards. EP 2.5 housings and contacts were designed to help workers on the shop floor. The terminals have an asymmetrical shape. This means they can only be loaded into the housing cavity one way – the right way. Ideal for household appliances, HVAC and industrial machinery, EP 2.5 connectors offers this extensive portfolio for all design needs and challenges.

FEATURES & BENEFITS

- Housing locking latch
- Polarization tabs
- Asymmetrical terminals can only be loaded into housing one way
- Standard or low insertion force (LIF) terminals
- Anti-fretting contact lubricant
- Offering includes vertical and right angle headers in single and dual row configurations
- Includes products compliant with Glow Wire test required by IEC/EN 60335-1 5th edition: Household and Similar Appliances-Safety and UL 94 V-0

SPECIFICATIONS

- Product specification: [108-2418](#)
- Application specification: [114-13315](#)

STANDARDS

- UL Recognized (U.S. and Canada) E28476
- VDE approval is being sought

MATERIALS

- Housings: UL 94 V-0 rated Nylon (UL 94 V-0 rated PBT for headers on tape in ammo box packaging)
- Contacts: Copper alloy, tin plated
- Colored housings available upon request
- Glow Wire material and UL 94 V-0 option available

ELECTRICAL

- Voltage rating: 250VAC
- Current rating: 4.2A max. (single row)

MECHANICAL

- Positions: 2 to 15, single row, wire-to-wire; 2 to 20, single row, wire-to-board; 8 to 40, dual row, all types
- Wire size: 0.13 to 0.56mm² (26 to 20 AWG)
- Centerline pitch: 2.5mm (0.098")
- Operating temperature: -55 to 105°C
- Selectively loaded headers available upon request