



# ECONOMY POWER 2.5 SURFACE MOUNT HEADERS

## COMPACT PCB HEADERS SUPPORTING AUTOMATED ASSEMBLY

Economy Power 2.5 (EP 2.5) surface mount technology (SMT) headers are a solution for printed circuit board (PCB) manufacturers using automated assembly to build compact wire-to-board systems. The 2.5mm pitch EP 2.5 SMT headers are designed to support automated pick-and-place assembly and reflow soldering, allowing for more efficient PCB manufacturing, as compared to traditional through hole (T/H) headers. These UL and VDE certified headers can safely mate with existing EP 2.5 connectors and similar 2.5mm pitch products on the market. Applications for EP 2.5 SMT headers include low power and signal systems in home appliances, HVAC, industrial equipment, and lighting.

### ELECTRICAL

- Maximum Current (A): 4.2
- Voltage Rating: 250V AC
- Operating Temperature (°C): -55 to +105

### MECHANICAL

- Wire Sizes (AWG): 26-20
- Centerline (mm): 2.5
- Configuration: Single row, vertical, surface mount

### STANDARDS & SPECIFICATIONS

- Product Specification: [108-2418](#)
- Application Specification: [114-13315](#)
- UL and VDE Certified
- UL 94 V-0
- IEC 60335-1 Glow Wire Test (GWT\*)

### FEATURES

- Surface mount technology (SMT) technology supports automatic pick-and-place assembly and reflow soldering
- Reduced risk of connection failure due to solder bridging, as compared to T/H headers
- Mates with existing EP 2.5 connectors and similar 2.5mm pitch products
- Materials meet UL 94 V-0 and IEC 60335-1 glow wire test (GWT\*) flammability standards
- Connectors are UL and VDE certified

### ADDITIONAL RESOURCES

For more information about the TE Connectivity Economy Power 2.5 connector offerings and compatible parts, please refer to these resources:

- [Economy Power 2.5 Connectors Product Webpage](#)
- [Economy Power 2.5 Connectors Quick Reference Guide](#)

### APPLICATIONS



Appliances



Industrial equipment



HVAC



Automation equipment



Lighting



Automotive

\*For more information on glow wire testing please review the white paper [Glow Wire Testing for the Appliance Industry](#) or visit the [Glow Wire Capable Connectors product page](#).

## ECONOMY POWER 2.5 SURFACE MOUNT HEADERS

### SURFACE MOUNT HEADERS

| Number of Positions | Part Number                 | Flammability Rating |
|---------------------|-----------------------------|---------------------|
| 2P                  | <a href="#">2365497-2</a>   | UL 94 V-0 & GWT     |
| 3P                  | <a href="#">2365497-3</a>   |                     |
| 4P                  | <a href="#">2365497-4</a>   |                     |
| 5P                  | <a href="#">2365497-5</a>   |                     |
| 6P                  | <a href="#">2365497-6</a>   |                     |
| 7P                  | <a href="#">2365497-7</a>   |                     |
| 8P                  | <a href="#">2365497-8</a>   |                     |
| 9P                  | <a href="#">2365497-9</a>   |                     |
| 10P                 | <a href="#">1-2365497-0</a> |                     |

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