



LP 6.2 WIRE-TO-BOARD POWER CONNECTOR

POWER SOLUTION DELIVERING RELIABLE HIGH-CURRENT PERFORMANCE

The LP 6.2 wire-to-board power connector offers a more reliable solution for PCB manufacturers, addressing the demanding needs of high current applications. Capable of supporting up to 14A and featuring a noteworthy external-locking mechanism, this connector is excellent for a wide range of power-intensive applications, including HVAC systems, home appliances, and industrial equipment. The LP 6.2 connector offers seamless compatibility with similar 6.2mm pitch connectors, which helps enable quick adaptability and reduce the need for costly redesigns. Its external-locking design enhances mating reliability and efficiency, helping ensure secure connections in even challenging environments. Additionally, the LP 6.2 connector meets the UL 94 V-0 flammability standard and achieves a Glow Wire End Product Test (GWEPT*) rating of 750°C, providing robust safety protection and durability for high-performance applications.

ELECTRICAL

- Rated Current: 14A Max
- Rated Voltage: 600V AC/DC

MECHANICAL

- Centerline (mm): 6.2
- Number of Positions: 3P
- Wire Size: 18 AWG-14 AWG

MATERIALS

- Operating Temperature (°C): -40 to +90
- Housing Flammability Ratings: UL 94 V-0 and GWEPT* 750°C no flame
- Contact: Copper alloy/brass

PRODUCT COMPLIANCE CERTIFICATION

- UL E28476

FEATURES

- Provide 14A high current performance by utilizing high-conducting material terminal
- Features an external-locking structure to improve mating efficiency and connection stability
- Designed for quick adaptability with similar 6.2mm pitch connectors
- Available in different colors to help reduce assembly errors and manage multi-load requirements
- The terminal position assurance (TPA) helps to keep terminals properly seated
- Connector meets UL 94 V-0 flammability requirements and achieves a Glow Wire End Product Test (GWEPT*) rating of 750°C for enhanced safety and durability

ADDITIONAL INFORMATION

- Product Specification: [108-161340](#)
- Application Specification: [114-160996](#)
- [Product Pages](#)

APPLICATIONS



*GWEPT refers to glow wire end product testing. 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](#).

PART NUMBER

Header & Plug Housing

Part Number	Position	Type	Color
2487504-3	3P	Header	Natural
1-2487504-3	3P	Header	Yellow
2487511-3	3P	Plug	Natural
1-2487511-3	3P	Plug	Yellow

Contact

Part Number	Wire Size (AWG)	Material
2487512-1	18-14	Copper alloy
2487512-2*	18-14	Brass
2487512-3*	18-14	Brass

*Note: Difference between the 2487512-2 and 2487512-3 is related to copper content. You may contact a TE representative for additional details.

Terminal Position Assurance

Part Number	Position	Color
2494733-3	3P	Black

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04-26