

GLOW WIRE CONNECTORS

Product Summary

Contents

Glow Wire Introduction

Introduction.....	4
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POWER TRIPLE LOCK Connectors

Introduction.....	5
Charts	6

Universal MATE-N-LOK Connectors

Introduction.....	11
Charts	12

Circular Commercial MATE-N-LOK Connectors

Charts	15
--------------	----

Power Double Lock Connectors

Introduction.....	16
Charts	17

VAL-U-LOK Connectors

Introduction.....	19
Charts	20

Economy Power II (EPII) Connectors

Introduction.....	24
Charts	25

5mm Power Key Connectors

Introduction.....	28
Charts	29

Mini-Universal MATE-N-LOK Connectors

Introduction.....	30
Charts	31

Power GRACE INERTIA Connectors

Introduction.....	32
Charts	33

Signal Double Lock Connectors

Introduction.....	37
Charts	38

Economy Power 2.5 Connectors

Introduction.....	40
Charts	41

Contents (Cont.)

2.5 GRACE INERTIA Connectors

Introduction.....47

Charts48

RAST Connectors

Overview51

Introduction

Safety is paramount in the home appliance industry. Due to the possibility of human misapplication, over-current, or short circuit failures within an appliance wiring system, fire protection requirements were created to evaluate and rate the flammability of material used within an appliance. Glow Wire testing is one such requirement used within the appliance industry today.

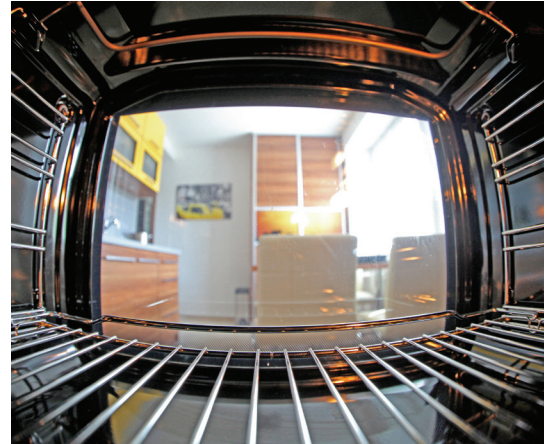
WHAT IS GLOW WIRE TESTING?

Historically a number of methods have been developed to evaluate material flammability and fire resistance. These include both direct flame and indirect flame testing methods. An example of the direct flame method is defined in the UL 94 specification. This long accepted test method involves applying a flame directly to a vertically or horizontally mounted specimen under controlled conditions. On the other hand, the indirect flame method features a non-flaming heat source applied to a sample. Glow wire testing is an example of the indirect flame method. Test results from applying these methods provide a way to compare the materials' tendency to resist ignition, self-extinguish flames (should ignition occur), and to not propagate fire via dripping.

The International Electrical Commission (IEC) established the glow-wire testing method in 2001 because existing test methods did not cover all ignition sources. Specifically, the glow wire test is used to simulate heating effects that may arise in malfunctioning electrical equipment caused by an overloaded connection or component that is overheating.

Several connector housing and header styles and configurations are available in Glow Wire compatible material. Included are wire-to-wire solutions in panel mount and free hanging types, as well as wire-to-board connectors in vertical or right angle options. Various centerline spacings and current ratings are available. Additional design configurations include circular, flanged, sealed, and colored housings to provide a solution for nearly every application in household appliances, whether connecting motors, heating elements, compressors or other components or subsystems. Glow Wire is a test required by IEC/EN 60335-1 5th Edition: Household and Similar Appliances – Safety.

For more details about glow wire testing, read our white paper on the subject at <http://www.te.com/content/dam/te-com/documents/appliances/global/glow-wire-testing-appliance-industry-white-paper.pdf>. For additional product families that feature glow wire material visit www.te.com



Applications

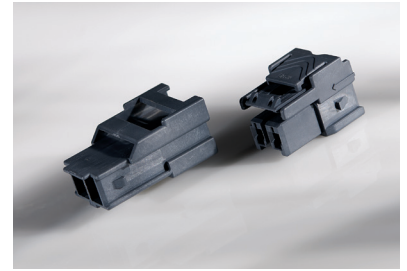
GLOW WIRE CAPABLE CONNECTORS

- Washers and dryers
- Refrigeration
- Air conditioning
- Dishwashers
- Fans and hoods
- Cooking
- Microwave ovens
- Small appliances
- Water heaters, boilers
- Vending machines

POWER TRIPLE LOCK Connectors

The POWER TRIPLE LOCK connector system offers high performance with a functional design and has been specifically developed for better power and signal applications. For 3-in-1 reliability, the system offers 3 enhanced methods of connectivity, making your design connections better in every way. It locks in three ways. Cap (or header) and plug latch together. The CPA – connector position assurance – device locks the cap (or header) and plug together. The TPA – terminal position assurance – device helps assure terminals are fully seated and remain that way.

Polarization slots and keys designed into the cap and plug housings of the Power Triple Lock connector eliminate the possibility of mismatching. Together, they prevent offset positioning to both the right and left sides, 90-degree rotation, reverse, offset down and reverse, offset down to corner and offset to corner and reverse possibilities.



FEATURES

- Audible locking mechanism
- Can carry up to 600 VAC or VDC voltage rating
- Current rating: up to 20 A
- 6 mm centerline spacing

SPECIFICATIONS

- Product specification: 108-106118
- Application specification: 114-106118
- Product specification (headers): 108-32090
- Application specification (headers): 114-32136

STANDARDS

- UL Recognized (U.S. and Canada), file E28476
- VDE Approved, certificate 40045889

Visit [POWER TRIPLE LOCK connectors landing page](#) to learn more.

www.POWERTRIPLELOCK.com

POWER TRIPLE LOCK CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
5-2232265-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
6-2232265-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
7-2232265-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
8-2232265-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
5-2232362-3	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
6-2232265-3	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
7-2232265-3	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
8-2232265-3	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
5-2232265-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
6-2232265-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
7-2232265-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
8-2232265-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
5-2232265-7	Plug	5	GWT 750°C (Without Flame)	UL 94 V-0
6-2232265-7	Plug	5	GWT 750°C (Without Flame)	UL 94 V-0
7-2232265-7	Plug	5	GWT 750°C (Without Flame)	UL 94 V-0
8-2232265-7	Plug	5	GWT 750°C (Without Flame)	UL 94 V-0
5-2232266-3	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
6-2232266-3	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
7-2232266-3	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
8-2232266-3	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
5-2232266-4	Plug	8	GWT 750°C (Without Flame)	UL 94 V-0
6-2232266-4	Plug	8	GWT 750°C (Without Flame)	UL 94 V-0
7-2232266-4	Plug	8	GWT 750°C (Without Flame)	UL 94 V-0
8-2232266-4	Plug	8	GWT 750°C (Without Flame)	UL 94 V-0
5-2232357-3	Plug	9	GWT 750°C (Without Flame)	UL 94 V-0
6-2232357-3	Plug	9	GWT 750°C (Without Flame)	UL 94 V-0
8-2232357-3	Plug	9	GWT 750°C (Without Flame)	UL 94 V-0
7-2232357-3	Plug	9	GWT 750°C (Without Flame)	UL 94 V-0
5-2232266-5	Plug	10	GWT 750°C (Without Flame)	UL 94 V-0
6-2232266-5	Plug	10	GWT 750°C (Without Flame)	UL 94 V-0
7-2232266-5	Plug	10	GWT 750°C (Without Flame)	UL 94 V-0
8-2232266-5	Plug	10	GWT 750°C (Without Flame)	UL 94 V-0
5-2232266-6	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
5-2232357-4	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
6-2232266-6	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
6-2232357-4	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0

Glow Wire Connectors

Product Summary

POWER TRIPLE LOCK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
7-2232266-6	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
7-2232357-4	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
8-2232266-6	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
8-2232357-4	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
5-2232357-7	Plug	15	GWT 750°C (Without Flame)	UL 94 V-0
6-2232357-7	Plug	15	GWT 750°C (Without Flame)	UL 94 V-0
7-2232357-7	Plug	15	GWT 750°C (Without Flame)	UL 94 V-0
8-2232357-7	Plug	15	GWT 750°C (Without Flame)	UL 94 V-0
5-2232263-2	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
5-2232358-2	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
6-2232263-2	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
6-2232358-2	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
7-2232358-2	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
8-2232358-2	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
7-2232263-2	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
8-2232263-2	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
5-2232263-3	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
5-2232353-3	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
5-2232358-3	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
6-2232263-3	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
6-2232358-3	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
7-2232358-3	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
8-2232358-3	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
7-2232263-3	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
8-2232263-3	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
5-2232263-4	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
5-2232358-4	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
6-2232263-4	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
6-2232358-4	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
7-2232358-4	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
8-2232358-4	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
7-2232263-4	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
8-2232263-4	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
5-2232263-7	Cap	5	GWT 750°C (Without Flame)	UL 94 V-0
5-2232358-7	Cap	5	GWT 750°C (Without Flame)	UL 94 V-0
6-2232263-7	Cap	5	GWT 750°C (Without Flame)	UL 94 V-0

Glow Wire Connectors

Product Summary

POWER TRIPLE LOCK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
6-2232358-7	Cap	5	GWT 750°C (Without Flame)	UL 94 V-0
7-2232358-7	Cap	5	GWT 750°C (Without Flame)	UL 94 V-0
8-2232358-7	Cap	5	GWT 750°C (Without Flame)	UL 94 V-0
7-2232263-7	Cap	5	GWT 750°C (Without Flame)	UL 94 V-0
8-2232263-7	Cap	5	GWT 750°C (Without Flame)	UL 94 V-0
5-2232264-3	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
5-2232359-3	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
6-2232264-3	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
6-2232359-3	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
7-2232359-3	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
8-2232359-3	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
7-2232264-3	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
8-2232264-3	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
5-2232264-4	Cap	8	GWT 750°C (Without Flame)	UL 94 V-0
5-2232359-4	Cap	8	GWT 750°C (Without Flame)	UL 94 V-0
6-2232264-4	Cap	8	GWT 750°C (Without Flame)	UL 94 V-0
6-2232359-4	Cap	8	GWT 750°C (Without Flame)	UL 94 V-0
7-2232359-4	Cap	8	GWT 750°C (Without Flame)	UL 94 V-0
8-2232359-4	Cap	8	GWT 750°C (Without Flame)	UL 94 V-0
7-2232264-4	Cap	8	GWT 750°C (Without Flame)	UL 94 V-0
8-2232264-4	Cap	8	GWT 750°C (Without Flame)	UL 94 V-0
5-2232356-3	Cap	9	GWT 750°C (Without Flame)	UL 94 V-0
5-2232360-3	Cap	9	GWT 750°C (Without Flame)	UL 94 V-0
6-2232356-3	Cap	9	GWT 750°C (Without Flame)	UL 94 V-0
6-2232360-3	Cap	9	GWT 750°C (Without Flame)	UL 94 V-0
7-2232356-3	Cap	9	GWT 750°C (Without Flame)	UL 94 V-0
7-2232360-3	Cap	9	GWT 750°C (Without Flame)	UL 94 V-0
8-2232356-3	Cap	9	GWT 750°C (Without Flame)	UL 94 V-0
8-2232360-3	Cap	9	GWT 750°C (Without Flame)	UL 94 V-0
5-2232264-5	Cap	10	GWT 750°C (Without Flame)	UL 94 V-0
5-2232359-5	Cap	10	GWT 750°C (Without Flame)	UL 94 V-0
6-2232264-5	Cap	10	GWT 750°C (Without Flame)	UL 94 V-0
6-2232359-5	Cap	10	GWT 750°C (Without Flame)	UL 94 V-0
7-2232264-5	Cap	10	GWT 750°C (Without Flame)	UL 94 V-0
7-2232359-5	Cap	10	GWT 750°C (Without Flame)	UL 94 V-0
8-2232264-5	Cap	10	GWT 750°C (Without Flame)	UL 94 V-0

Glow Wire Connectors

Product Summary

POWER TRIPLE LOCK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
8-2232359-5	Cap	10	GWT 750°C (Without Flame)	UL 94 V-0
5-2232264-6	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
5-2232356-4	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
5-2232359-6	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
5-2232360-4	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
6-2232264-6	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
6-2232356-4	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
6-2232359-6	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
6-2232360-4	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
7-2232264-6	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
7-2232356-4	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
7-2232359-6	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
7-2232360-4	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
8-2232264-6	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
8-2232356-4	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
8-2232359-6	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
8-2232360-4	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
5-2232356-7	Cap	15	GWT 750°C (Without Flame)	UL 94 V-0
5-2232360-7	Cap	15	GWT 750°C (Without Flame)	UL 94 V-0
6-2232356-7	Cap	15	GWT 750°C (Without Flame)	UL 94 V-0
6-2232360-7	Cap	15	GWT 750°C (Without Flame)	UL 94 V-0
7-2232356-7	Cap	15	GWT 750°C (Without Flame)	UL 94 V-0
7-2232360-7	Cap	15	GWT 750°C (Without Flame)	UL 94 V-0
8-2232356-7	Cap	15	GWT 750°C (Without Flame)	UL 94 V-0
8-2232360-7	Cap	15	GWT 750°C (Without Flame)	UL 94 V-0
1969688-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1969688-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1969694-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1969694-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1969688-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1969688-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1969694-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1969694-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1969688-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1969688-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1969694-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-0

Glow Wire Connectors

Product Summary

POWER TRIPLE LOCK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1969694-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1969688-5	Header	5	GWT 750°C (Without Flame)	UL 94 V-0
1969688-5	Header	5	GWT 750°C (Without Flame)	UL 94 V-0
1969694-5	Header	5	GWT 750°C (Without Flame)	UL 94 V-0
1969694-5	Header	5	GWT 750°C (Without Flame)	UL 94 V-0

Universal MATE-N-LOK Connectors

Universal MATE-N-LOK cap and plug housings are available in material meeting the Glow Wire test (GWT) requirement according to IEC 60335-1 5th edition (750°C, without flame), as well as the requirements of UL 94 V-0. Based on the well-established 6.35mm (0.25") centerline pitch, these new housings are compatible with standard Universal MATE-N-LOK pins and sockets. Given that they meet both the GWT and V-0 requirements, these housings are targeted for use by manufacturers of appliances and other goods for the European and American markets.

The housings are offered with 2, 3, 4, 5 and 10 positions in a single row configuration. Additionally, there are two row, 6 position models, three row, 9 position models and four row, 12 position models. All are natural color, PA 66 material. The caps are designed for panel mounting, but can also be used in free-hanging applications. Additionally, there are universal MATE-N-LOK connectors that meet GWT and the less stringent UL 94 V-2 flammability requirement.



FEATURES

- Familiar locking latch
- Pins and sockets can be intermixed in the same housing
- Positive polarization & rear cavity identification
- Compatible with standard MATE-N-LOK contacts for 30-10 AWG (.05-5.0 mm²) wire sizes
- May be upgraded to splash proof (IP57) system by using optional seals and contacts.

STANDARDS

- IEC/EN 60335-1 5th edition: Household and Similar Appliances- Safety
- UL 94 V-0
- UL Recognized, file E28476
- CSA Certified, file LR7189
- VDE Approved, certificate 40023469

Visit [universal MATE-N-LOK connectors landing page](#) to learn more.

www.te.com/usa-en/products/connectors/power-connectors/rectangular-power/intersection/universal-mate-n-lok-connectors.html?tab=pgp-story

Glow Wire Connectors

Product Summary

UNIVERSAL MATE-N-LOK CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1863011-1	Plug	1	GWT 750°C (Without Flame)	UL 94 V-2
1-1703061-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1586851-1	Plug	2	GWT 750°C (Without Flame)	UL 94 V-2
1703061-1	Plug	2	GWT 750°C (Without Flame)	UL 94 V-2
1703061-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-2
1241809-2	Plug	3	GWT 750°C (Without Flame)	UL 94 V-2
1241809-2	Plug	3	GWT 750°C (Without Flame)	UL 94 V-2
1586847-1	Plug	3	GWT 750°C (Without Flame)	UL 94 V-2
2178473-2	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
1586852-1	Plug	4	GWT 750°C (Without Flame)	UL 94 V-2
1863016-1	Plug	4	GWT 750°C (Without Flame)	UL 94 V-2
2029388-1	Plug	4	GWT 750°C (Without Flame)	UL 94 V-2
926298-6	Plug	4	GWT 750°C (Without Flame)	UL 94 V-2
926298-7	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
350809-3	Plug	5	GWT 750°C (Without Flame)	UL 94 V-0
926299-5	Plug	5	GWT 750°C (Without Flame)	UL 94 V-0
1644055-1	Plug	6	GWT 750°C (Without Flame)	UL 94 V-2
1-1644055-2	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
1586846-1	Plug	6	GWT 750°C (Without Flame)	UL 94 V-2
640581-2	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
794816-2	Plug	6	GWT 750°C (Without Flame)	UL 94 V-2
8-794535-1	Plug	6	GWT 750°C (Without Flame)	UL 94 V-2
826851-3	Plug	8	GWT 750°C (Without Flame)	UL 94 V-0
1-1863003-2	Plug	9	GWT 750°C (Without Flame)	UL 94 V-2
1586844-1	Plug	9	GWT 750°C (Without Flame)	UL 94 V-2
1863003-1	Plug	9	GWT 750°C (Without Flame)	UL 94 V-2
794741-2	Plug	9	GWT 750°C (Without Flame)	UL 94 V-2
1-1863004-2	Plug	10	GWT 750°C (Without Flame)	UL 94 V-2
1863004-1	Plug	10	GWT 750°C (Without Flame)	UL 94 V-2
826852-3	Plug	10	GWT 750°C (Without Flame)	UL 94 V-0
1-1863005-2	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
1586848-1	Plug	12	GWT 750°C (Without Flame)	UL 94 V-2
1863005-1	Plug	12	GWT 750°C (Without Flame)	UL 94 V-2
794742-2	Plug	12	GWT 750°C (Without Flame)	UL 94 V-2
1863007-1	Plug	15	GWT 750°C (Without Flame)	UL 94 V-2

Glow Wire Connectors

Product Summary

UNIVERSAL MATE-N-LOK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1586843-1	Cap	1	GWT 750°C (Without Flame)	UL 94 V-2
1863012-1	Cap	1	GWT 750°C (Without Flame)	UL 94 V-2
1-1703062-2	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
1586856-1	Cap	2	GWT 750°C (Without Flame)	UL 94 V-2
1703062-1	Cap	2	GWT 750°C (Without Flame)	UL 94 V-2
1703062-2	Cap	2	GWT 750°C (Without Flame)	UL 94 V-2
1703062-3	Cap	2	GWT 750°C (Without Flame)	UL 94 V-2
1703062-4	Cap	2	GWT 750°C (Without Flame)	UL 94 V-2
1586849-1	Cap	3	GWT 750°C (Without Flame)	UL 94 V-2
2178474-2	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
1586845-1	Cap	4	GWT 750°C (Without Flame)	UL 94 V-2
926305-6	Cap	4	GWT 750°C (Without Flame)	UL 94 V-2
926305-7	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
350810-2	Cap	5	GWT 750°C (Without Flame)	UL 94 V-0
1586860-1	Cap	6	GWT 750°C (Without Flame)	UL 94 V-2
1586887-1	Cap	6	GWT 750°C (Without Flame)	UL 94 V-2
2178773-1	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
8-794536-1	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
1586853-1	Cap	9	GWT 750°C (Without Flame)	UL 94 V-2
927231-5	Cap	9	GWT 750°C (Without Flame)	UL 94 V-2
927231-5	Cap	9	GWT 750°C (Without Flame)	UL 94 V-2
927231-7	Cap	9	GWT 750°C (Without Flame)	UL 94 V-0
2178622-1	Cap	10	GWT 750°C (Without Flame)	UL 94 V-0
926309-5	Cap	10	GWT 750°C (Without Flame)	UL 94 V-2
926309-7	Cap	10	GWT 750°C (Without Flame)	UL 94 V-0
1-1863006-2	Cap	12	GWT 750°C (Without Flame)	UL 94 V-0
1586854-1	Cap	12	GWT 750°C (Without Flame)	UL 94 V-2
1863006-1	Cap	12	GWT 750°C (Without Flame)	UL 94 V-2
2178620-1	Cap	12	GWT 750°C (Without Flame)	UL 94 V-2
2178621-1	Cap	12	GWT 750°C (Without Flame)	UL 94 V-2
926647-8	Cap	15	GWT 750°C (Without Flame)	UL 94 V-0
1586866-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-2
1586889-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-2
1586890-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-2
1586953-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-2

Glow Wire Connectors

Product Summary

UNIVERSAL MATE-N-LOK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1586955-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-2
1969795-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1969796-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1969797-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1969798-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1969799-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1586869-1	Header	3	GWT 750°C (Without Flame)	UL 94 V-2
1586892-1	Header	3	GWT 750°C (Without Flame)	UL 94 V-2
1586892-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1586893-1	Header	3	GWT 750°C (Without Flame)	UL 94 V-2
1586893-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1586958-1	Header	3	GWT 750°C (Without Flame)	UL 94 V-2
1969800-1	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1586872-1	Header	4	GWT 750°C (Without Flame)	UL 94 V-2
1586895-1	Header	4	GWT 750°C (Without Flame)	UL 94 V-2
1586896-1	Header	4	GWT 750°C (Without Flame)	UL 94 V-2
1586963-1	Header	4	GWT 750°C (Without Flame)	UL 94 V-2
1969803-1	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1969804-1	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1969805-1	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1969806-1	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1969807-1	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1586898-1	Header	5	GWT 750°C (Without Flame)	UL 94 V-2
1586899-1	Header	5	GWT 750°C (Without Flame)	UL 94 V-2
1586968-1	Header	5	GWT 750°C (Without Flame)	UL 94 V-2
1969808-1	Header	5	GWT 750°C (Without Flame)	UL 94 V-0
1969809-1	Header	5	GWT 750°C (Without Flame)	UL 94 V-0
1586876-1	Header	6	GWT 750°C (Without Flame)	UL 94 V-2
1586936-1	Header	6	GWT 750°C (Without Flame)	UL 94 V-2
1586937-1	Header	6	GWT 750°C (Without Flame)	UL 94 V-2
1586979-1	Header	6	GWT 750°C (Without Flame)	UL 94 V-2
1969812-1	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
1969813-1	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
1969814-1	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
1586939-1	Header	8	GWT 750°C (Without Flame)	UL 94 V-2
1586998-1	Header	8	GWT 750°C (Without Flame)	UL 94 V-2

Glow Wire Connectors

Product Summary

UNIVERSAL MATE-N-LOK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1969815-1	Header	8	GWT 750°C (Without Flame)	UL 94 V-0
1969816-1	Header	8	GWT 750°C (Without Flame)	UL 94 V-0
1586879-1	Header	9	GWT 750°C (Without Flame)	UL 94 V-2
1586984-1	Header	9	GWT 750°C (Without Flame)	UL 94 V-2
1969817-1	Header	9	GWT 750°C (Without Flame)	UL 94 V-0
1969818-1	Header	9	GWT 750°C (Without Flame)	UL 94 V-0
1969830-1	Header	6	GWT 750°C (Without Flame)	UL 94 V-0

CIRCULAR COMMERCIAL MATE-N-LOK CONNECTORS

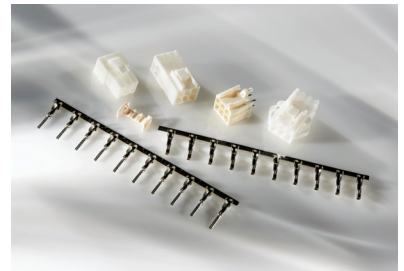
Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
925075-6	Plug	4	GWT 750°C (Without Flame)	UL 94V-2
925075-7	Plug	4	GWT 750°C (Without Flame)	UL 94V-0
925076-6	Plug	4	GWT 750°C (Without Flame)	UL 94V-2
925076-7	Plug	4	GWT 750°C (Without Flame)	UL 94V-0

Power Double Lock Connectors

Power double lock connectors are available in wire-to-wire (WTW), free-hanging, panel mount, and wire-to-board (WTB) configurations. These connectors can be used alone by inserting wire-terminated crimp snap-in contacts into the housing. However, in order to achieve more positive contact mounting, and optional double lock plates can also be utilized.

Power double lock contacts are phosphor bronze with pre-tin plating and designed without lances to prevent entanglement of contacts with one another. The receptacle contact gets loaded into the plug housings and the tab contact gets loaded into cap housings. The semi-inner locking system of the PDL design helps eliminate unmating by external force and the audible click helps indicate the connector system is fully latched.

The smooth compact design prevents snagging when mated. A double lock plate is available for both plug and cap housings to ensure positive loading and to help prevent contact back-out. The PDL headers offer a kink in the solder tail along with the kink in the mounting boss which secures the header on the board firmly while soldering. Board mounted headers are compatible with resin or conformal coatings (no drain holes).



FEATURES

- Discrete wire interconnect available in 1-12 position wire-to-board and wire-to-wire
- Audible click when contact is fully inserted into the housing
- Polarizing ribs on plug housing allows for proper mating
- Solder tail kink along with the polarization peg (boss) feature, secures the header on the board during the solder process
- 3.96 and 6.5 mm centerline spacing

STANDARDS

- UL Recognized, file E28476
- CSA Certified
- VDE Approved

Visit [power double lock connectors landing page](#) to learn more.

www.te.com/usa-en/products/connectors/power-connectors/rectangular-power/intersection/power-double-lock-connectors.html

Glow Wire Connectors

Product Summary

POWER DOUBLE LOCK CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
2005247-1	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2005247-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2005247-4	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2005247-6	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
368570-1	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
368571-1	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
368571-2	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
368571-6	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
1-368575-1	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
1-368575-2	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
1-368575-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
1-368575-6	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
2005251-1	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
2005252-1	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
368576-1	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
368576-2	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
368576-6	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
1971598-1	Plug	8	GWT 750°C (Without Flame)	UL 94 V-0
1971882-1	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1971883-1	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
1971884-1	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
2005248-1	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
2005248-4	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
2005248-6	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
2005249-1	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
2005249-2	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
2005249-4	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
2005249-6	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
2005249-9	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
2005250-1	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
2005250-2	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
2005250-4	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
2005250-6	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
368572-1	Cap	3	GWT 750°C (Without Flame)	UL 94 V-0
1-368587-1	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
1-368589-1	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0

Glow Wire Connectors

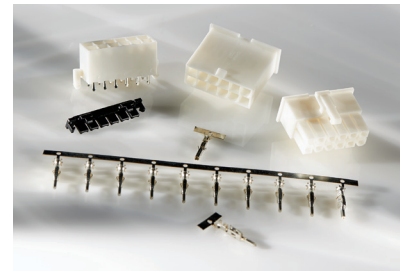
Product Summary

POWER DOUBLE LOCK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1-368589-2	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
1-368589-4	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
1-368589-6	Cap	4	GWT 750°C (Without Flame)	UL 94 V-0
368587-1	Cap	4	GWT 750°C (Without Flame)	UL 94 V-2
368589-4	Cap	4	GWT 750°C (Without Flame)	UL 94 V-2
2005253-1	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
368588-1	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
368588-6	Cap	6	GWT 750°C (Without Flame)	UL 94 V-0
1971600-1	Cap	8	GWT 750°C (Without Flame)	UL 94 V-0
1983665-1	TPA	1	Glow Wire	UL 94 V-0
1983666-1	TPA	2	Glow Wire	UL 94 V-0
1983667-1	TPA	3	Glow Wire	UL 94 V-0

VAL-U-LOK Connectors

VAL-U-LOK connectors offer wire-to-wire and wire-to-board connections with contacts on a .165" [4.20mm] centerline pitch and current ratings to 9A per line along with a max. 600VAC rating. Plug and receptacle housings allow wire-to-wire and wire-to-panel configurations and header assemblies offer vertical and right angle wire-to-board connections. VAL-U-LOK connectors are available in dual row 2-24 position and single row 3-5 position models. Vertical headers are available with optional polarization pegs and drain holes and offer a blind mate version. Right angle headers offer optional screw mount flanges. Crimp, snap-in pin and socket contacts terminate 26-16 AWG [0.12-1.2mm²] wire with insulation diameters up to .094" [2.39mm]. New models accommodate optional terminal protection assurance (TPA) devices to help ensure terminals are fully seated in housings and resist terminal back-out.



FEATURES

- Discrete wire interconnect available in 2-24 position
- Wire-to-wire and wire-to-board pin and socket connector system
- Contacts are on 4.20 mm centerline spacing
- Contacts are available in strip form or loose piece
- Mate first/break last feature on 3 position single row receptacle housings
- Vertical and right-angle pin headers
- Optional TPA models available
- UL & CSA approved

SPECIFICATIONS

- Product specification 108-2112
- Application specification 114-13172

STANDARDS

- UL recognized, file E315442
- Glow wire product compliant 750°C no flame according to IEC 60335-1 5th edition and UL 94 V-0
- Glow wire product compliant 750°C no flame according to IEC 60335-1 5th edition and UL 94 V-2

Visit [VAL-U-LOK Connectors landing page](#) to learn more.

www.te.com/usa-en/products/connectors/rectangular-connectors/standard-rectangular-connectors/val-u-lok-connectors.html

Glow Wire Connectors

Product Summary

VAL-U-LOK CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1586861-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-2
1586862-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-2
1969604-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-2
1969605-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-2
2029110-3	Plug	3	GWT 750°C (Without Flame)	UL 94 V-2
2029111-3	Plug	3	GWT 750°C (Without Flame)	UL 94 V-2
1586861-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-2
1586862-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-2
1969604-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-2
1969605-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-2
2029177-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-2
2029180-4	Plug	4	Glow Wire	UL 94 V-2
2029177-5	Plug	5	GWT 750°C (Without Flame)	UL 94 V-2
2029180-5	Plug	5	Glow Wire	UL 94 V-2
1586861-6	Plug	6	GWT 750°C (Without Flame)	UL 94 V-2
1586862-6	Plug	6	GWT 750°C (Without Flame)	UL 94 V-2
1969604-6	Plug	6	GWT 750°C (Without Flame)	UL 94 V-2
1969605-6	Plug	6	GWT 750°C (Without Flame)	UL 94 V-2
1586861-8	Plug	8	GWT 750°C (Without Flame)	UL 94 V-2
1586862-8	Plug	8	GWT 750°C (Without Flame)	UL 94 V-2
1969604-8	Plug	8	GWT 750°C (Without Flame)	UL 94 V-2
1969605-8	Plug	8	GWT 750°C (Without Flame)	UL 94 V-2
1-1586861-0	Plug	10	GWT 750°C (Without Flame)	UL 94 V-2
1-1586862-0	Plug	10	Glow Wire	UL 94 V-2
1-1969604-0	Plug	10	GWT 750°C (Without Flame)	UL 94 V-2
1-1969605-0	Plug	10	GWT 750°C (Without Flame)	UL 94 V-2
1-1586861-2	Plug	12	GWT 750°C (Without Flame)	UL 94 V-2
1-1586862-2	Plug	12	Glow Wire	UL 94 V-2
1-1969604-2	Plug	12	GWT 750°C (Without Flame)	UL 94 V-2
1-1969605-2	Plug	12	GWT 750°C (Without Flame)	UL 94 V-2
1-1586861-4	Plug	14	GWT 750°C (Without Flame)	UL 94 V-2
1-1586862-4	Plug	14	Glow Wire	UL 94 V-2
1-1969604-4	Plug	14	GWT 750°C (Without Flame)	UL 94 V-2
1-1969605-4	Plug	14	GWT 750°C (Without Flame)	UL 94 V-2
1-1586861-6	Plug	16	GWT 750°C (Without Flame)	UL 94 V-2
1-1586862-6	Plug	16	Glow Wire	UL 94 V-2

Glow Wire Connectors

Product Summary

VAL-U-LOK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1-1969605-6	Plug	16	GWT 750°C (Without Flame)	UL 94 V-2
1-1586861-8	Plug	18	Glow Wire	UL 94 V-2
1-1586862-8	Plug	18	Glow Wire	UL 94 V-2
1-1969604-8	Plug	18	GWT 750°C (Without Flame)	UL 94 V-2
1-1969605-8	Plug	18	GWT 750°C (Without Flame)	UL 94 V-2
2-1586861-0	Plug	20	Glow Wire	UL 94 V-2
2-1586862-0	Plug	20	Glow Wire	UL 94 V-2
2-1586863-0	Plug	20	Glow Wire	UL 94 V-2
2-1969604-0	Plug	20	GWT 750°C (Without Flame)	UL 94 V-2
2-1969605-0	Plug	20	GWT 750°C (Without Flame)	UL 94 V-2
2-1586861-2	Plug	22	Glow Wire	UL 94 V-2
2-1586862-2	Plug	22	Glow Wire	UL 94 V-2
2-1586863-2	Plug	22	Glow Wire	UL 94 V-2
2-1969604-2	Plug	22	GWT 750°C (Without Flame)	UL 94 V-2
2-1969605-2	Plug	22	GWT 750°C (Without Flame)	UL 94 V-2
2-1586861-4	Plug	24	GWT 750°C (Without Flame)	UL 94 V-2
2-1586862-4	Plug	24	Glow Wire	UL 94 V-2
2-1586863-4	Plug	24	Glow Wire	UL 94 V-2
2-1969604-4	Plug	24	GWT 750°C (Without Flame)	UL 94 V-2
2-1969605-4	Plug	24	GWT 750°C (Without Flame)	UL 94 V-2
1586768-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-2
1586863-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-2
2029059-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
2029265-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
2029113-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
2029154-3	Header	3	Glow Wire	UL 94 V-0
2029181-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1-2029265-4	Header	4	Glow Wire	UL 94 V-0
1586768-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-2
1586863-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-2
2029059-4	Header	4	Glow Wire	UL 94 V-2
2029113-4	Header	4	Glow Wire	UL 94 V-2
2029154-4	Header	4	Glow Wire	UL 94 V-0
2029181-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
2029265-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
2029113-5	Header	5	Glow Wire	UL 94 V-2

Glow Wire Connectors

Product Summary

VAL-U-LOK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
2029154-5	Header	5	Glow Wire	UL 94 V-0
2029181-5	Header	5	GWT 750°C (Without Flame)	UL 94 V-0
1586863-6	Header	6	GWT 750°C (Without Flame)	UL 94 V-2
2029059-6	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
2029265-6	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
1586768-8	Header	8	Glow Wire	UL 94 V-2
1586863-8	Header	8	GWT 750°C (Without Flame)	UL 94 V-2
2029059-8	Header	8	Glow Wire	UL 94 V-2
2029265-8	Header	8	GWT 750°C (Without Flame)	UL 94 V-0
1-1586768-0	Header	10	GWT 750°C (Without Flame)	UL 94 V-2
1-1586863-0	Header	10	GWT 750°C (Without Flame)	UL 94 V-2
1-2029059-0	Header	10	Glow Wire	UL 94 V-2
1-2029265-0	Header	10	GWT 750°C (Without Flame)	UL 94 V-0
1-1586768-2	Header	12	GWT 750°C (Without Flame)	UL 94 V-2
1-1586863-2	Header	12	Glow Wire	UL 94 V-2
1-2029059-2	Header	12	Glow Wire	UL 94 V-2
1-1586768-4	Header	14	Glow Wire	UL 94 V-2
1-1586863-4	Header	14	Glow Wire	UL 94 V-2
1-2029059-4	Header	14	Glow Wire	UL 94 V-2
1-1586768-6	Header	16	Glow Wire	UL 94 V-2
1-1586863-6	Header	16	Glow Wire	UL 94 V-2
1-2029059-6	Header	16	Glow Wire	UL 94 V-2
1-2029265-6	Header	16	Glow Wire	UL 94 V-0
1-1586768-8	Header	18	Glow Wire	UL 94 V-2
1-1586863-8	Header	18	Glow Wire	UL 94 V-2
1-2029059-8	Header	18	Glow Wire	UL 94 V-2
1-2029265-2	Header	18	GWT 750°C (Without Flame)	UL 94 V-0
1-2029265-8	Header	18	Glow Wire	UL 94 V-0
2-1586768-0	Header	20	Glow Wire	UL 94 V-2
2-2029059-0	Header	20	GWT 750°C (Without Flame)	UL 94 V-0
2-2029265-0	Header	20	GWT 750°C (Without Flame)	UL 94 V-0
2-1586768-2	Header	22	Glow Wire	UL 94 V-2
2-2029059-2	Header	22	Glow Wire	UL 94 V-2
2-2029265-2	Header	22	Glow Wire	UL 94 V-0
2-1586768-4	Header	24	GWT 750°C (Without Flame)	UL 94 V-2
2-2029059-4	Header	24	GWT 750°C (Without Flame)	UL 94 V-0

Glow Wire Connectors

Product Summary

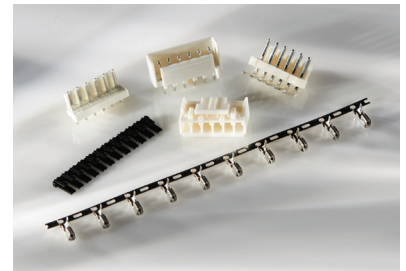
VAL-U-LOK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
2-2029265-4	Header	24	GWT 750°C (Without Flame)	UL 94 V-0
1586765-2	Receptacle Housing	2	GWT 750°C (Without Flame)	UL 94 V-2
1969603-2	Receptacle Housing	2	GWT 750°C (Without Flame)	UL 94 V-2
2029112-3	Receptacle Housing	3	GWT 750°C (Without Flame)	UL 94 V-2
1586765-4	Receptacle Housing	4	GWT 750°C (Without Flame)	UL 94 V-2
1969603-4	Receptacle Housing	4	GWT 750°C (Without Flame)	UL 94 V-2
2029178-4	Receptacle Housing	4	GWT 750°C (Without Flame)	UL 94 V-2
2029178-5	Receptacle Housing	5	GWT 750°C (Without Flame)	UL 94 V-2
1586765-6	Receptacle Housing	6	GWT 750°C (Without Flame)	UL 94 V-2
1969603-6	Receptacle Housing	6	GWT 750°C (Without Flame)	UL 94 V-2
1586765-8	Receptacle Housing	8	GWT 750°C (Without Flame)	UL 94 V-2
1969603-8	Receptacle Housing	8	GWT 750°C (Without Flame)	UL 94 V-2
1-1586765-0	Receptacle Housing	10	GWT 750°C (Without Flame)	UL 94 V-2
1-1969603-0	Receptacle Housing	10	GWT 750°C (Without Flame)	UL 94 V-2
1-1586765-2	Receptacle Housing	12	GWT 750°C (Without Flame)	UL 94 V-2
1-1969603-2	Receptacle Housing	12	GWT 750°C (Without Flame)	UL 94 V-2
1-1586765-4	Receptacle Housing	14	GWT 750°C (Without Flame)	UL 94 V-2
1-1969603-4	Receptacle Housing	14	GWT 750°C (Without Flame)	UL 94 V-2
1-1586765-6	Receptacle Housing	16	GWT 750°C (Without Flame)	UL 94 V-2
1-1969603-6	Receptacle Housing	16	GWT 750°C (Without Flame)	UL 94 V-2
1-1586765-8	Receptacle Housing	18	GWT 750°C (Without Flame)	UL 94 V-2
1-1969603-8	Receptacle Housing	18	GWT 750°C (Without Flame)	UL 94 V-2
2-1586765-0	Receptacle Housing	20	Glow Wire	UL 94 V-2
2-1969603-0	Receptacle Housing	20	GWT 750°C (Without Flame)	UL 94 V-2
2-1586765-2	Receptacle Housing	22	GWT 750°C (Without Flame)	UL 94 V-2
2-1969603-2	Receptacle Housing	22	GWT 750°C (Without Flame)	UL 94 V-2
2-1586765-4	Receptacle Housing	24	Glow Wire	UL 94 V-2
2-1969603-4	Receptacle Housing	24	GWT 750°C (Without Flame)	UL 94 V-2

Economy Power II (EP II) Connectors

Economy Power II (EP II) Glow Wire connectors are available in many different styles and configurations to meet safety and environmental requirements requested by the home appliances industry.

Several connector housing and header styles and configurations are available in a 3.96 mm centerline meeting the Glow Wire compatible material that also meets UL 94 V-0 requirements. The use of Glow Wire test compliant components may allow users to reduce the time and expense of end-product testing associated with Glow Wire ignition and Glow Wire flammability index.



FEATURES

- Lanceless terminal
- Wire size: 0.26 to 1.33 mm² 22 to 16 AWG
- Voltage up to 600 VAC
- Current up to 11.5 A
- Housing locking latch
- Polarization tabs
- Asymmetrical terminals can only be loaded one way
- Breakaway style or discrete Terminal Position Assurance (TPA) devices
- Probe tip windows for continuity testing
- Contact lubrication

SPECIFICATIONS

- Product specification: 108-2297
- Product specification (headers): 108-5609
- Application specification: 114-13265

STANDARDS

- Comply with Glow Wire flammability index (GWFI) 850°C at least, according to IEC 60335-1, Glow Wire flammability test for end- products (GWEPT) 750°C No Flame, according to IEC 60335-1 and UL 94 V-0
- UL recognized, file E28476
- VDE approved, certificate 40046032

Visit [economy power II \(EPII\) connectors landing page](#) to learn more.

www.te.com/usa-en/products/connectors/power-connectors/rectangular-power/intersection/economy-power-connectors.html

Glow Wire Connectors

Product Summary

ECONOMY POWER II (EP II) CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1744416-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
7-1123722-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-2
1744416-3	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
7-1123722-3	Plug	3	GWT 750°C (Without Flame)	UL 94 V-2
1744416-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
7-1123722-4	Plug	4	GWT 750°C (Without Flame)	UL 94 V-2
1744416-5	Plug	5	GWT 750°C (Without Flame)	UL 94 V-0
7-1123722-5	Plug	5	GWT 750°C (Without Flame)	UL 94 V-2
1744416-6	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
7-1123722-6	Plug	6	GWT 750°C (Without Flame)	UL 94 V-2
1744416-7	Plug	7	GWT 750°C (Without Flame)	UL 94 V-0
7-1123722-7	Plug	7	GWT 750°C (Without Flame)	UL 94 V-2
1744416-8	Plug	8	GWT 750°C (Without Flame)	UL 94 V-0
7-1123722-8	Plug	8	GWT 750°C (Without Flame)	UL 94 V-2
1744416-9	Plug	9	GWT 750°C (Without Flame)	UL 94 V-0
7-1123722-9	Plug	9	GWT 750°C (Without Flame)	UL 94 V-2
1-1744416-0	Plug	10	GWT 750°C (Without Flame)	UL 94 V-0
7-1123722-0	Plug	10	GWT 750°C (Without Flame)	UL 94 V-2
1-1744416-1	Plug	11	GWT 750°C (Without Flame)	UL 94 V-0
7-1123722-1	Plug	11	GWT 750°C (Without Flame)	UL 94 V-2
1-1744416-2	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
1744427-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-2
1744428-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1744429-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1744489-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1744427-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-2
1744428-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1744429-3	Header	3	Glow Wire	UL 94 V-0
1744489-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1744525-3	Header	3	Glow Wire	UL 94 V-0
1744427-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-2
1744428-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1744429-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1744489-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1744524-4	Header	4	Glow Wire	UL 94 V-0
1744525-4	Header	4	GWT 750°C (Without Flame)	UL 94 V-0

Glow Wire Connectors

Product Summary

ECONOMY POWER II (EP II) CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1744427-5	Header	5	GWT 750°C (Without Flame)	UL 94 V-2
1744428-5	Header	5	GWT 750°C (Without Flame)	UL 94 V-0
1744429-5	Header	5	GWT 750°C (Without Flame)	UL 94 V-0
1744489-5	Header	5	GWT 750°C (Without Flame)	UL 94 V-0
1744524-5	Header	5	GWT 750°C (Without Flame)	UL 94 V-0
1744525-5	Header	5	Glow Wire	UL 94 V-0
2-1744435-5	Header	5	Glow Wire	UL 94 V-0
7-1123724-3	Header	5	GWT 750°C (Without Flame)	UL 94 V-0
1744427-6	Header	6	GWT 750°C (Without Flame)	UL 94 V-2
1744428-6	Header	6	Glow Wire	UL 94 V-0
1744429-6	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
1744524-6	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
2-1744524-6	Header	6	Glow Wire	UL 94 V-0
4-1744524-6	Header	6	Glow Wire	UL 94 V-0
1744427-7	Header	7	GWT 750°C (Without Flame)	UL 94 V-2
1744428-7	Header	7	GWT 750°C (Without Flame)	UL 94 V-0
1744429-7	Header	7	GWT 750°C (Without Flame)	UL 94 V-0
1744489-7	Header	7	Glow Wire	UL 94 V-0
7-1123724-1	Header	7	GWT 750°C (Without Flame)	UL 94 V-0
1744427-8	Header	8	Glow Wire	UL 94 V-2
1744428-8	Header	8	GWT 750°C (Without Flame)	UL 94 V-0
1744429-8	Header	8	Glow Wire	UL 94 V-0
1744489-8	Header	8	GWT 750°C (Without Flame)	UL 94 V-0
1744427-9	Header	9	GWT 750°C (Without Flame)	UL 94 V-2
1744428-9	Header	9	Glow Wire	UL 94 V-0
1744429-9	Header	9	GWT 750°C (Without Flame)	UL 94 V-0
1744489-9	Header	9	GWT 750°C (Without Flame)	UL 94 V-0
7-1123724-5	Header	9	GWT 750°C (Without Flame)	UL 94 V-0
1-1744427-0	Header	10	GWT 750°C (Without Flame)	UL 94 V-2
1-1744428-0	Header	10	Glow Wire	UL 94 V-0
1-1744429-0	Header	10	GWT 750°C (Without Flame)	UL 94 V-0
1-1744489-0	Header	10	Glow Wire	UL 94 V-0
1-1744524-0	Header	10	GWT 750°C (Without Flame)	UL 94 V-0
3-1744524-0	Header	10	Glow Wire	UL 94 V-0
1-1744427-1	Header	11	GWT 750°C (Without Flame)	UL 94 V-2
1-1744428-1	Header	11	GWT 750°C (Without Flame)	UL 94 V-0
1-1744429-1	Header	11	Glow Wire	UL 94 V-0

Glow Wire Connectors

Product Summary

ECONOMY POWER II (EP II) CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1-1744489-1	Header	11	Glow Wire	UL 94 V-0
1-1744524-1	Header	11	GWT 750°C (Without Flame)	UL 94 V-0
7-1123724-6	Header	11	GWT 750°C (Without Flame)	UL 94 V-0
8-1123724-6	Header	11	Glow Wire	UL 94 V-2
1-1744427-2	Header	12	GWT 750°C (Without Flame)	UL 94 V-2
1-1744428-2	Header	12	Glow Wire	UL 94 V-0
1-1744524-2	Header	12	GWT 750°C (Without Flame)	UL 94 V-0

5mm Power Key Connectors

AMP 5mm power key connectors provide wire-to-board (WTB) connections consisting of plug housings for wire and compact PCB header assemblies with a 20.7mm mated height and Terminal Position Assurance (TPA). Power key connectors are based on a 5mm [.197] centerline pitch and are rated for 300VAC at up to 10A. These connectors accept wire sizes of 16 to 26 AWG [1.419- .121 mm²] and are available in 2, 3, 4, 6 positions in single row and 4, 6 positions for dual row. The connector is designed to release bubbles created by the process of potting (PC board coating). Color housings, red, blue, natural, or yellow, are used to limit the efficiency of blind mating where you are unable to see connectors. The four types of keying mechanism with different colors improve assembly efficiency and can also help prevent mismating.



FEATURES

- 5mm centerline pitch
- WTB with PCB header
- 4 colors: Natural, Yellow, Blue and Red
- Audible sound and TPA provide complete loading of contacts
- Lanceless contacts
- Locking levers surrounded by walls, protects levers and prevents tangling of wires
- Higher mating height and connector
- Glow Wire material

SPECIFICATIONS

- Product specification: 108-5699
- Application specification: 114-5292

STANDARDS

- UL recognized (U.S. and Canada), file E28476
- CSA certified

Visit [5mm power key connectors landing page](#) to learn more.

www.te.com/usa-en/products/connectors/pcb-connectors/intersection/5mm-power-key-connectors.html

5MM POWER KEY CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1376388-5	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1376389-5	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
1-1376391-2	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
1376382-5	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1376383-5	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1-1376384-5	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1-1376387-2	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
1376387-1	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
2-1376387-3	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
3-1376387-4	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
6-1376387-2	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
7-1376387-3	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
5-1376387-1	Header	6	GWT 750°C (Without Flame)	UL 94 V-0

Mini-Universal MATE-N-LOK Connectors

The Mini-Universal MATE-N-LOK connector system is a compact and durable connector system that utilizes a combination of pins and sockets intermixed in the plug and cap housings to achieve maximum electrical performance in a .163" [4.14mm] centerline. Mini-Universal MATE-N-LOK connector housings are fully polarized to provide proper plug-to-cap mating incorporating a positive locking mechanism to help prevent accidental disengagement of mated connectors. The contacts are completely enclosed in housings, have low mating force, and are removable to maintain flexibility in the system. Available in standard panel mount, free hanging, and wire-to-board capability, the Mini-Universal MATE-N-LOK connector system also offers a sealed connector system ideal wherever moisture resistance is required or where there is high humidity, intermittent liquid splashing, or foam-in applications.



FEATURES

- 30 - 16 AWG wire range
- Available in tin or gold plating
- 9 Lb minimum contact retention
- Wire-to-wire, 1-15 positions
- Wire-to-board, vertical and right angle, 2-14 positions
- Available in a sealed version
- Vertical and right angle pin headers
- Contacts are available in strip form or loose piece
- Splash-proof design for applications that require sealing

STANDARDS AND SPECS (GW, UL, ETC.)

- 600 VAC or VDC, 9.5 Amp maximum
- UL94V-0 and 94V-2 rated housings available

Visit [mini-universal MATE-N-LOK connectors landing page](#) to learn more.

www.te.com/usa-en/products/connectors/power-connectors/rectangular-power/intersection/mini-universal-mate-n-lok-connectors-and-accessories.html

Glow Wire Connectors

Product Summary

MINI-UNIVERSAL MATE-N-LOK CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
794894-3	Plug	2	GWT 750°C (Without Flame)	UL 94V-2
1586945-1	Cap	2	GWT 750°C (Without Flame)	UL 94V-2
794896-3	Cap	2	GWT 750°C (Without Flame)	UL 94V-2

Power GRACE INERTIA Connectors

Power GRACE INERTIA connectors offer the design-in variety needed for always-on connectivity. GRACE INERTIA connectors employ an inertia locking mechanism to simultaneously complete the circuit and “lock” the connector, which is an excellent solution for helping to eliminate human error during assembly. This feature can improve mating reliability, helps prevent mismatching, and can reduce the need for complicated inspection processes. Centerline pitches for power GRACE INERTIA connectors range from 3.3 to 12.4 mm and support maximum current ratings from 4 to 20A. These wire-to-board and wire-to-wire connectors can be used in a wide range of applications ranging from home appliances and air conditioners to transportation solutions.



FEATURES

- 3.3 to 12.4 mm centerline pitch
- Inner lock
- Mating protection
- Optional TPA for some centerlines
- Inertia lock design
- Keying function
- Positive latching

SPECIFICATIONS

Centerlines	Product Spec	Application Spec
3.3mm	108-78231	114-5372
3.5mm	108-5810	114-5306
6.0mm	108-106193	114-5292
6.5 & 7.92mm	108-5990	114-5292
9.0mm	108-78357	114-5356
12.4mm	108-78232	114-5356

STANDARDS

- UL recognized, File No. E28476

Visit [power GRACE INERTIA connectors landing page](#) to learn more.

www.te.com/usa-en/products/connectors/pcb-connectors/intersection/grace-inertia-connector-series.html

POWER GRACE INERTIA CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1-1565081-1	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1565081-3	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1565081-6	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1565081-4	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1565081-5	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2-2232875-1	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2-2232875-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2-2232875-3	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2-2232875-4	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1747050-1	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1747050-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1747050-3	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1747050-4	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1747050-5	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1747050-6	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1747050-1	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1747050-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1747050-3	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1747050-4	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1747050-5	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1747050-1	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1747050-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1747050-3	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1747050-4	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1747050-5	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1747050-1	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1747050-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1747050-3	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1747050-4	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1747050-5	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1747995-1	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1747995-2	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1747995-3	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
1747995-4	Plug	2	GWT 750°C (Without Flame)	UL 94 V-0
3-2232875-1	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0

POWER GRACE INERTIA CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
3-2232875-2	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
3-2232875-3	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
3-2232875-4	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
1747047-1	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
1-1747047-2	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
2-1747047-3	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
3-1747047-4	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
1903414-1	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
1903414-2	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
1-1903414-1	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
1-1903414-2	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
2-1903414-1	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
2-1903414-2	Plug	3	GWT 750°C (Without Flame)	UL 94 V-0
1-1971905-2	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
2-1971905-2	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
3-1971905-2	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
4-1971905-2	Plug	4	GWT 750°C (Without Flame)	UL 94 V-0
1-1971905-3	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
2-1971905-3	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
3-1971905-3	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
4-1971905-3	Plug	6	GWT 750°C (Without Flame)	UL 94 V-0
1-1971905-4	Plug	8	GWT 750°C (Without Flame)	UL 94 V-0
2-1971905-4	Plug	8	GWT 750°C (Without Flame)	UL 94 V-0
3-1971905-4	Plug	8	GWT 750°C (Without Flame)	UL 94 V-0
4-1971905-4	Plug	8	GWT 750°C (Without Flame)	UL 94 V-0
1-1971905-5	Plug	10	GWT 750°C (Without Flame)	UL 94 V-0
2-1971905-5	Plug	10	GWT 750°C (Without Flame)	UL 94 V-0
3-1971905-5	Plug	10	GWT 750°C (Without Flame)	UL 94 V-0
4-1971905-5	Plug	10	GWT 750°C (Without Flame)	UL 94 V-0
1-1971905-6	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
2-1971905-6	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
3-1971905-6	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
4-1971905-6	Plug	12	GWT 750°C (Without Flame)	UL 94 V-0
1-1971905-7	Plug	14	GWT 750°C (Without Flame)	UL 94 V-0
2-1971905-7	Plug	14	GWT 750°C (Without Flame)	UL 94 V-0
3-1971905-7	Plug	14	GWT 750°C (Without Flame)	UL 94 V-0
4-1971905-7	Plug	14	GWT 750°C (Without Flame)	UL 94 V-0

POWER GRACE INERTIA CONNECTORS

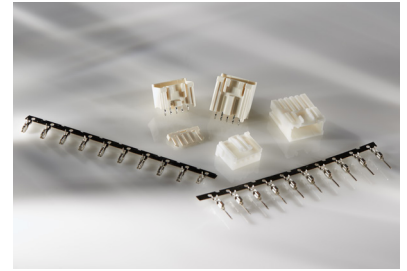
Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1-1565085-1	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1565085-3	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1565085-6	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1565085-4	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1565085-5	Cap	2	GWT 750°C (Without Flame)	UL 94 V-0
2-2232876-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
2-2232876-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
2-2232876-3	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
2-2232876-4	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1747052-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1747052-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1747052-3	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1747052-4	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1747052-5	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1747052-6	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1747052-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1747052-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1747052-3	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1747052-4	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1-1747052-5	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1747052-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1747052-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1747052-3	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1747052-4	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
2-1747052-5	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1747052-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1747052-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1747052-3	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1747052-4	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
3-1747052-5	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1747996-1	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1747996-2	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1747996-3	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1747996-4	Header	2	GWT 750°C (Without Flame)	UL 94 V-0
1903415-1	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1-1903415-1	Header	3	GWT 750°C (Without Flame)	UL 94 V-0

POWER GRACE INERTIA CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
2-1903415-1	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
3-2232876-1	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
3-2232876-2	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
3-2232876-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
3-2232876-4	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1747049-1	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1-1747049-2	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
2-1747049-3	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
3-1747049-4	Header	3	GWT 750°C (Without Flame)	UL 94 V-0
1-1971906-2	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
2-1971906-2	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
3-1971906-2	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
4-1971906-2	Header	4	GWT 750°C (Without Flame)	UL 94 V-0
1-1971906-3	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
2-1971906-3	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
3-1971906-3	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
4-1971906-3	Header	6	GWT 750°C (Without Flame)	UL 94 V-0
1-1971906-4	Header	8	GWT 750°C (Without Flame)	UL 94 V-0
2-1971906-4	Header	8	GWT 750°C (Without Flame)	UL 94 V-0
3-1971906-4	Header	8	GWT 750°C (Without Flame)	UL 94 V-0
4-1971906-4	Header	8	GWT 750°C (Without Flame)	UL 94 V-0
1-1971906-5	Header	10	GWT 750°C (Without Flame)	UL 94 V-0
2-1971906-5	Header	10	GWT 750°C (Without Flame)	UL 94 V-0
3-1971906-5	Header	10	GWT 750°C (Without Flame)	UL 94 V-0
4-1971906-5	Header	10	GWT 750°C (Without Flame)	UL 94 V-0
1-1971906-6	Header	12	GWT 750°C (Without Flame)	UL 94 V-0
2-1971906-6	Header	12	GWT 750°C (Without Flame)	UL 94 V-0
3-1971906-6	Header	12	GWT 750°C (Without Flame)	UL 94 V-0
4-1971906-6	Header	12	GWT 750°C (Without Flame)	UL 94 V-0
1-1971906-7	Header	14	GWT 750°C (Without Flame)	UL 94 V-0
2-1971906-7	Header	14	GWT 750°C (Without Flame)	UL 94 V-0
3-1971906-7	Header	14	GWT 750°C (Without Flame)	UL 94 V-0
4-1971906-7	Header	14	GWT 750°C (Without Flame)	UL 94 V-0
5-1971906-7	Header	14	GWT 750°C (Without Flame)	UL 94 V-0
6-1971906-7	Header	14	GWT 750°C (Without Flame)	UL 94 V-0

Signal Double Lock Connectors

2.5 mm signal double lock (2.5 SDL) connectors are compact, single row connectors available in both wire-to-wire and wire-to-board configurations. The signal double lock connector system consists of plug and cap housings for wire termination, optional double lock plates, crimp contacts and PC board pin headers in both standard and high profile versions. The signal double lock accepts 26-20 AWG wire with insulation diameters up to 1.8 mm and is rated up to 3 Amps per line. Signal double lock connectors are now available in material meeting the Glow Wire test according to IEC 60335-1 5th Edition: Household and Similar Appliances — Safety (750°C, no flame) and UL 94 V-0.



FEATURES

- Discrete wire interconnect available in 2-13 position wire-to-board and 2-10 position wire-to-wire
- Audible click when contact is fully inserted into the housing
- Polarizing ribs on plug housing allows proper mating
- Solder tail kink along with the polarization peg (boss) feature, secures the header on the board during the solder process
- Board-mounted headers are compatible with resin or conformal coatings — no drain holes
- Multiple colors available for ease of connector identification during assembly and maintenance

SPECIFICATIONS

- Product specification 108-5459
- Application specification 114-5203

STANDARDS

- CSA Certified (Canada and U.S), file LR 7189-3163

Visit [signal double lock connectors landing page](#) to learn more.

www.te.com/usa-en/products/connectors/pcb-connectors/intersection/signal-double-lock-connector.html

Glow Wire Connectors

Product Summary

SIGNAL DOUBLE LOCK CONNECTORS

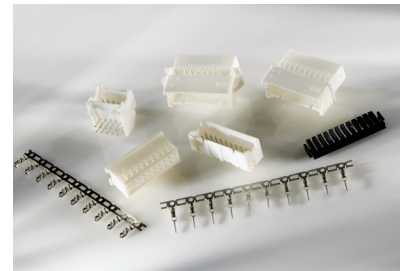
Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
917687-1	Plug	3	Glow Wire	UL 94 V-0
917687-4	Plug	3	Glow Wire	UL 94 V-0
917688-1	Plug	4	Glow Wire	UL 94 V-0
917688-2	Plug	4	Glow Wire	UL 94 V-0
917688-4	Plug	4	Glow Wire	UL 94 V-0
917688-9	Plug	4	Glow Wire	UL 94 V-0
917690-1	Plug	6	Glow Wire	UL 94 V-0
917691-1	Plug	7	Glow Wire	UL 94 V-0
917692-1	Plug	8	Glow Wire	UL 94 V-0
917693-1	Plug	9	Glow Wire	UL 94 V-0
917694-1	Plug	10	Glow Wire	UL 94 V-0
917695-1	Plug	11	Glow Wire	UL 94 V-0
917696-2	Plug	12	Glow Wire	UL 94 V-0
917697-1	Plug	13	Glow Wire	UL 94 V-0
917722-1	Header	2	Glow Wire	UL 94 V-0
917780-1	Header	2	Glow Wire	UL 94 V-0
917894-1	Header	2	Glow Wire	UL 94 V-0
917723-1	Header	3	Glow Wire	UL 94 V-0
917781-1	Header	3	Glow Wire	UL 94 V-0
917895-1	Header	3	Glow Wire	UL 94 V-0
917724-1	Header	4	Glow Wire	UL 94 V-0
917782-1	Header	4	Glow Wire	UL 94 V-0
917896-1	Header	4	Glow Wire	UL 94 V-0
917725-1	Header	5	Glow Wire	UL 94 V-0
917783-1	Header	5	Glow Wire	UL 94 V-0
917897-1	Header	5	Glow Wire	UL 94 V-0
917726-1	Header	6	Glow Wire	UL 94 V-0
917784-1	Header	6	Glow Wire	UL 94 V-0
917898-1	Header	6	Glow Wire	UL 94 V-0
917727-1	Header	7	Glow Wire	UL 94 V-0
917785-1	Header	7	Glow Wire	UL 94 V-0
917728-1	Header	8	Glow Wire	UL 94 V-0
917786-1	Header	8	Glow Wire	UL 94 V-0
917900-1	Header	8	Glow Wire	UL 94 V-0
917729-1	Header	9	Glow Wire	UL 94 V-0
917787-1	Header	9	Glow Wire	UL 94 V-0

SIGNAL DOUBLE LOCK CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
917730-1	Header	10	Glow Wire	UL 94 V-0
917788-1	Header	10	Glow Wire	UL 94 V-0
917731-1	Header	11	Glow Wire	UL 94 V-0
917789-1	Header	11	Glow Wire	UL 94 V-0
917732-1	Header	12	Glow Wire	UL 94 V-0
917790-1	Header	12	Glow Wire	UL 94 V-0
917733-1	Header	13	Glow Wire	UL 94 V-0
917791-1	Header	13	Glow Wire	UL 94 V-0
316221-1	Header	2	Glow Wire	UL 94 V-0
316222-1	Header	2	Glow Wire	UL 94 V-0
316223-1	Header	4	Glow Wire	UL 94 V-0
316224-1	Header	5	Glow Wire	UL 94 V-0
316225-1	Header	6	Glow Wire	UL 94 V-0
316226-1	Header	7	Glow Wire	UL 94 V-0
316227-1	Header	8	Glow Wire	UL 94 V-0

Economy Power 2.5 Connectors

The economy power 2.5 (EP 2.5) connector is a single row or dual row crimp connector system. The product line is comprised of plug housings, contacts and headers. Based on a 2.5mm (0.098") centerline pitch, it is a very compact solution. The designed contact retainers provide Terminal Position Assurance (TPA). When inserted, the optional TPA retainers help prevent the contacts from backing out of the housings in applications with random vibration, and they help ensure full contact insertion within the housing. 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 connector halves are available from 2 to 40 positions for discrete wires from 0.13 to 0.56mm² (AWG 26 to 20).

Besides single row solutions, EP 2.5 connectors offer 8 to 40 position dual row wire-to-board and wire to-wire models. The wire-to-board dual row connector system offers vertical and right angle header options. The low insertion force terminals have an asymmetrical shape.

FEATURES

- Housing locking latch
- Polarization tabs
- Asymmetrical terminals can only be loaded into housing one way
- Low insertion force terminals
- Anti-fretting contact lubricant

SPECIFICATIONS

- Product specification: 108-2418
- Application specification: 114-13315
- 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

STANDARDS

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

Visit [economy power 2.5 connectors landing page](#) to learn more.

www.te.com/usa-en/products/connectors/power-connectors/rectangular-power/intersection/economy-power-2-5-connectors.html

Glow Wire Connectors

Product Summary

ECONOMY POWER 2.5 CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1969567-8	Plug	8	Glow Wire	UL 94 V-0
1-1969567-0	Plug	10	Glow Wire	UL 94 V-0
1-1969567-2	Plug	12	Glow Wire	UL 94 V-0
1-1969567-4	Plug	14	Glow Wire	UL 94 V-0
1-1969567-6	Plug	16	Glow Wire	UL 94 V-0
1-1969567-8	Plug	18	Glow Wire	UL 94 V-0
2-1969567-0	Plug	20	Glow Wire	UL 94 V-0
2-1969567-2	Plug	22	Glow Wire	UL 94 V-0
2-1969567-4	Plug	24	Glow Wire	UL 94 V-0
2-1969567-6	Plug	26	Glow Wire	UL 94 V-0
2-1969567-8	Plug	28	Glow Wire	UL 94 V-0
3-1969567-2	Plug	32	Glow Wire	UL 94 V-0
3-1969567-4	Plug	34	Glow Wire	UL 94 V-0
3-1969567-6	Plug	36	Glow Wire	UL 94 V-0
3-1969567-8	Plug	38	Glow Wire	UL 94 V-0
4-1969567-0	Plug	40	Glow Wire	UL 94 V-0
1969589-2	Cap	2	Glow Wire	UL 94 V-0
1969591-2	Cap	2	Glow Wire	UL 94 V-0
1969589-3	Cap	3	Glow Wire	UL 94 V-0
1969591-3	Cap	3	Glow Wire	UL 94 V-0
1969589-4	Cap	4	Glow Wire	UL 94 V-0
1969591-4	Cap	4	Glow Wire	UL 94 V-0
1969589-5	Cap	5	Glow Wire	UL 94 V-0
1969591-5	Cap	5	Glow Wire	UL 94 V-0
1969589-6	Cap	6	Glow Wire	UL 94 V-0
1969591-6	Cap	6	Glow Wire	UL 94 V-0
1969589-7	Cap	7	Glow Wire	UL 94 V-0
1969591-7	Cap	7	Glow Wire	UL 94 V-0
1969589-8	Cap	8	Glow Wire	UL 94 V-0
1969591-8	Cap	8	Glow Wire	UL 94 V-0
1969594-8	Cap	8	Glow Wire	UL 94 V-0
1969595-8	Cap	8	Glow Wire	UL 94 V-0
1969589-9	Cap	9	Glow Wire	UL 94 V-0
1969591-9	Cap	9	Glow Wire	UL 94 V-0
1-1969589-0	Cap	10	Glow Wire	UL 94 V-0
1-1969591-0	Cap	10	Glow Wire	UL 94 V-0

Glow Wire Connectors

Product Summary

ECONOMY POWER 2.5 CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1-1969594-0	Cap	10	Glow Wire	UL 94 V-0
1-1969595-0	Cap	10	Glow Wire	UL 94 V-0
1-1969589-1	Cap	11	Glow Wire	UL 94 V-0
1-1969591-1	Cap	11	Glow Wire	UL 94 V-0
1-1969589-2	Cap	12	Glow Wire	UL 94 V-0
1-1969591-2	Cap	12	Glow Wire	UL 94 V-0
1-1969594-2	Cap	12	Glow Wire	UL 94 V-0
1-1969595-2	Cap	12	Glow Wire	UL 94 V-0
1-1969589-3	Cap	13	Glow Wire	UL 94 V-0
1-1969591-3	Cap	13	Glow Wire	UL 94 V-0
1-1969589-4	Cap	14	Glow Wire	UL 94 V-0
1-1969591-4	Cap	14	Glow Wire	UL 94 V-0
1-1969594-4	Cap	14	Glow Wire	UL 94 V-0
1-1969595-4	Cap	14	Glow Wire	UL 94 V-0
1-1969589-5	Cap	15	Glow Wire	UL 94 V-0
1-1969591-5	Cap	15	Glow Wire	UL 94 V-0
1-1969595-6	Cap	16	Glow Wire	UL 94 V-0
1-1969594-8	Cap	18	Glow Wire	UL 94 V-0
1-1969595-8	Cap	18	Glow Wire	UL 94 V-0
2-1969594-0	Cap	20	Glow Wire	UL 94 V-0
2-1969595-0	Cap	20	Glow Wire	UL 94 V-0
2-1969594-2	Cap	22	Glow Wire	UL 94 V-0
2-1969595-2	Cap	22	Glow Wire	UL 94V-0
2-1969594-4	Cap	24	Glow Wire	UL 94 V-0
2-1969595-4	Cap	24	Glow Wire	UL 94 V-0
2-1969594-6	Cap	26	Glow Wire	UL 94 V-0
2-1969595-6	Cap	26	Glow Wire	UL 94 V-0
2-1969594-8	Cap	28	Glow Wire	UL 94 V-0
2-1969595-8	Cap	28	Glow Wire	UL 94 V-0
3-1969594-0	Cap	30	Glow Wire	UL 94 V-0
3-1969595-0	Cap	30	Glow Wire	UL 94 V-0
3-1969594-2	Cap	32	Glow Wire	UL 94 V-0
3-1969595-2	Cap	32	Glow Wire	UL 94V-0
3-1969594-4	Cap	34	Glow Wire	UL 94 V-0
3-1969595-4	Cap	34	Glow Wire	UL 94 V-0
3-1969594-6	Cap	36	Glow Wire	UL 94 V-0

Glow Wire Connectors

Product Summary

ECONOMY POWER 2.5 CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
3-1969595-6	Cap	36	Glow Wire	UL 94 V-0
3-1969594-8	Cap	38	Glow Wire	UL 94 V-0
3-1969595-8	Cap	38	Glow Wire	UL 94 V-0
4-1969594-0	Cap	40	Glow Wire	UL 94 V-0
4-1969595-0	Cap	40	Glow Wire	UL 94 V-0
1744418-2	Header	2	Glow Wire	UL 94 V-0
1744439-2	Header	2	Glow Wire	UL 94V-0
1744446-2	Header	2	Glow Wire	UL 94 V-0
1744418-3	Header	3	Glow Wire	UL 94 V-0
1744439-3	Header	3	Glow Wire	UL 94 V-0
1744446-3	Header	3	Glow Wire	UL 94 V-0
1744418-4	Header	4	Glow Wire	UL 94 V-0
1744439-4	Header	4	Glow Wire	UL 94 V-0
1744446-4	Header	4	Glow Wire	UL 94 V-0
1744418-5	Header	5	Glow Wire	UL 94 V-0
1744439-5	Header	5	Glow Wire	UL 94 V-0
1744446-5	Header	5	Glow Wire	UL 94 V-0
1744418-6	Header	6	Glow Wire	UL 94 V-0
1744439-6	Header	6	Glow Wire	UL 94 V-0
1744446-6	Header	6	Glow Wire	UL 94 V-0
1744418-7	Header	7	Glow Wire	UL 94 V-0
1744439-7	Header	7	Glow Wire	UL 94 V-0
1744446-7	Header	7	Glow Wire	UL 94 V-0
1744418-8	Header	8	Glow Wire	UL 94 V-0
1744439-8	Header	8	Glow Wire	UL 94 V-0
1744446-8	Header	8	Glow Wire	UL 94 V-0
1969570-8	Header	8	Glow Wire	UL 94 V-0
1969574-8	Header	8	Glow Wire	UL 94 V-0
1969584-8	Header	8	Glow Wire	UL 94 V-0
1744418-9	Header	9	Glow Wire	UL 94 V-0
1744439-9	Header	9	Glow Wire	UL 94 V-0
1744446-9	Header	9	Glow Wire	UL 94 V-0
1-1744418-0	Header	10	Glow Wire	UL 94 V-0
1-1744439-0	Header	10	Glow Wire	UL 94 V-0
1-1744446-0	Header	10	Glow Wire	UL 94 V-0
1-1969570-0	Header	10	Glow Wire	UL 94 V-0

Glow Wire Connectors

Product Summary

ECONOMY POWER 2.5 CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1-1969574-0	Header	10	Glow Wire	UL 94 V-0
1-1969584-0	Header	10	Glow Wire	UL 94 V-0
1-1744418-1	Header	11	Glow Wire	UL 94 V-0
1-1744439-1	Header	11	Glow Wire	UL 94 V-0
1-1744446-1	Header	11	Glow Wire	UL 94 V-0
1-1744418-2	Header	12	Glow Wire	UL 94 V-0
1-1744439-2	Header	12	Glow Wire	UL 94 V-0
1-1744446-2	Header	12	Glow Wire	UL 94 V-0
1-1969570-2	Header	12	Glow Wire	UL 94 V-0
1-1969574-2	Header	12	Glow Wire	UL 94 V-0
1-1969584-2	Header	12	Glow Wire	UL 94 V-0
1-1744418-3	Header	13	Glow Wire	UL 94 V-0
1-1744439-3	Header	13	Glow Wire	UL 94 V-0
1-1744446-3	Header	13	Glow Wire	UL 94 V-0
1-1744418-4	Header	14	Glow Wire	UL 94 V-0
1-1744439-4	Header	14	Glow Wire	UL 94 V-0
1-1969574-4	Header	14	Glow Wire	UL 94 V-0
1-1969584-4	Header	14	Glow Wire	UL 94 V-0
1-1744418-5	Header	15	Glow Wire	UL 94 V-0
1-1744439-5	Header	15	Glow Wire	UL 94 V-0
1-1744446-5	Header	15	Glow Wire	UL 94 V-0
1-1744418-6	Header	16	Glow Wire	UL 94 V-0
1-1744439-6	Header	16	Glow Wire	UL 94 V-0
1-1744446-6	Header	16	Glow Wire	UL 94 V-0
1-1969570-6	Header	16	Glow Wire	UL 94 V-0
1-1969574-6	Header	16	Glow Wire	UL 94 V-0
1-1969584-6	Header	16	Glow Wire	UL 94 V-0
1-1744418-7	Header	17	Glow Wire	UL 94 V-0
1-1744439-7	Header	17	Glow Wire	UL 94 V-0
1-1744446-7	Header	17	Glow Wire	UL 94 V-0
1-1744418-8	Header	18	Glow Wire	UL 94 V-0
1-1744439-8	Header	18	Glow Wire	UL 94 V-0
1-1744446-8	Header	18	Glow Wire	UL 94 V-0
1-1969570-8	Header	18	Glow Wire	UL 94 V-0
1-1969574-8	Header	18	Glow Wire	UL 94 V-0

Glow Wire Connectors

Product Summary

ECONOMY POWER 2.5 CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
1-1969584-8	Header	18	Glow Wire	UL 94 V-0
1-1744418-9	Header	19	Glow Wire	UL 94 V-0
1-1744439-9	Header	19	Glow Wire	UL 94 V-0
1-1744446-9	Header	19	Glow Wire	UL 94 V-0
2-1744417-0	Header	20	Glow Wire	UL 94 V-0
2-1744418-0	Header	20	Glow Wire	UL 94 V-0
2-1744439-0	Header	20	Glow Wire	UL 94 V-0
2-1744446-0	Header	20	Glow Wire	UL 94 V-0
2-1969570-0	Header	20	Glow Wire	UL 94 V-0
2-1969574-0	Header	20	Glow Wire	UL 94 V-0
2-1969584-0	Header	20	Glow Wire	UL 94 V-0
2-1969570-2	Header	22	Glow Wire	UL 94 V-0
2-1969574-2	Header	22	Glow Wire	UL 94 V-0
2-1969584-2	Header	22	Glow Wire	UL 94 V-0
2-1969570-4	Header	24	Glow Wire	UL 94 V-0
2-1969574-4	Header	24	Glow Wire	UL 94 V-0
2-1969574-6	Header	26	Glow Wire	UL 94 V-0
2-1969584-6	Header	26	Glow Wire	UL 94 V-0
2-1969570-8	Header	28	Glow Wire	UL 94 V-0
2-1969574-8	Header	28	Glow Wire	UL 94 V-0
2-1969584-8	Header	28	Glow Wire	UL 94 V-0
3-1969570-0	Header	30	Glow Wire	UL 94 V-0
3-1969574-0	Header	30	Glow Wire	UL 94 V-0
3-1969584-0	Header	30	Glow Wire	UL 94 V-0
3-1969570-2	Header	32	Glow Wire	UL 94 V-0
3-1969574-2	Header	32	Glow Wire	UL 94 V-0
3-1969584-2	Header	32	Glow Wire	UL 94 V-0
3-1969570-4	Header	34	Glow Wire	UL 94 V-0
3-1969574-4	Header	34	Glow Wire	UL 94 V-0
3-1969584-4	Header	34	Glow Wire	UL 94 V-0
3-1969570-6	Header	36	Glow Wire	UL 94 V-0
3-1969574-6	Header	36	Glow Wire	UL 94 V-0
3-1969584-6	Header	36	Glow Wire	UL 94 V-0
3-1969570-8	Header	38	Glow Wire	UL 94 V-0
3-1969574-8	Header	38	Glow Wire	UL 94 V-0

Glow Wire Connectors

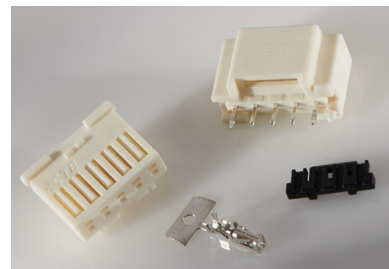
Product Summary

ECONOMY POWER 2.5 CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
3-1969584-8	Header	38	Glow Wire	UL 94 V-0
4-1969570-0	Header	40	Glow Wire	UL 94 V-0
4-1969574-0	Header	40	Glow Wire	UL 94 V-0
4-1969584-0	Header	40	Glow Wire	UL 94 V-0
1744417-2	Plug	2	Glow Wire	UL 94 V-0
1744417-3	Plug	3	Glow Wire	UL 94 V-0
1744417-4	Plug	4	Glow Wire	UL 94 V-0
1744417-5	Plug	5	Glow Wire	UL 94 V-0
1744417-6	Plug	6	Glow Wire	UL 94 V-0
1744417-7	Plug	7	Glow Wire	UL 94 V-0
1744417-8	Plug	8	Glow Wire	UL 94 V-0
1744417-9	Plug	9	Glow Wire	UL 94 V-0
1-1744417-0	Plug	10	Glow Wire	UL 94 V-0
1-1744417-1	Plug	11	Glow Wire	UL 94 V-0
1-1744417-2	Plug	12	Glow Wire	UL 94 V-0
1-1744417-3	Plug	13	Glow Wire	UL 94 V-0
1-1744417-4	Plug	14	Glow Wire	UL 94 V-0
1-1744417-5	Plug	15	Glow Wire	UL 94 V-0
1-1744417-6	Plug	16	Glow Wire	UL 94 V-0
1-1744417-7	Plug	17	Glow Wire	UL 94 V-0
1-1744417-8	Plug	18	Glow Wire	UL 94 V-0
1-1744417-9	Plug	19	Glow Wire	UL 94 V-0

2.5 GRACE INERTIA Connectors

Second generation 2.5mm GRACE INERTIA connectors feature design concepts to facilitate more stable, reliable and durable connection. These connectors can be used in a wide range of large electrical products, from home appliances to vending machines, that require wire-to-board signal conduction application. They are designed to help reduce human error during assembly. The inertia locking mechanism helps prevent defective products caused by half-mating. Optional Terminal Position Assurance (TPA) devices help to ensure that contacts are properly seated in housings and provide an extra measure of protection against contact back-out. Ergonomic design and lanceless contacts, which prevent snagging or entanglement, improve safety and efficiency during operation. Multiple colors and physical keying options making it easier to identify connectors and avoid mismatching. For high volume manufactures, optional tape in ammo box packaging better supports board assembly operations.



FEATURES

- 2.5mm centerline pitch
- Inner locking mechanism
- Lanceless contacts
- Dual beam contact design
- Keying and color options
- Ergonomic design
- Optional TPA

SPECIFICATIONS

- Product specification: 108-106077
- Application specification: 114-106077

STANDARDS

UL Recognized for the U.S and Canada, File. No E28476

Visit [2.5 GRACE INERTIA connectors landing page](#) to learn more.

www.te.com/usa-en/products/connectors/pcb-connectors/intersection/2-5-centerline-grace-inertia-connectors.html

2.5 GRACE INERTIA CONNECTORS

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
2-1971793-1	Plug	2	Glow Wire	UL 94 V-0
2-1971793-2	Plug	2	Glow Wire	UL 94 V-0
2-1971793-3	Plug	2	Glow Wire	UL 94 V-0
2-1971793-4	Plug	2	Glow Wire	UL 94 V-0
3-1971793-1	Plug	3	Glow Wire	UL 94 V-0
3-1971793-2	Plug	3	Glow Wire	UL 94 V-0
3-1971793-3	Plug	3	Glow Wire	UL 94 V-0
3-1971793-4	Plug	3	Glow Wire	UL 94 V-0
5-1971793-1	Plug	5	Glow Wire	UL 94 V-0
5-1971793-2	Plug	5	Glow Wire	UL 94 V-0
5-1971793-3	Plug	5	Glow Wire	UL 94 V-0
5-1971793-4	Plug	5	Glow Wire	UL 94 V-0
6-1971793-1	Plug	6	Glow Wire	UL 94 V-0
6-1971793-2	Plug	6	Glow Wire	UL 94 V-0
6-1971793-3	Plug	6	Glow Wire	UL 94 V-0
6-1971793-4	Plug	6	Glow Wire	UL 94 V-0
8-1971793-1	Plug	8	Glow Wire	UL 94 V-0
8-1971793-2	Plug	8	Glow Wire	UL 94 V-0
8-1971793-3	Plug	8	Glow Wire	UL 94 V-0
8-1971793-4	Plug	8	Glow Wire	UL 94 V-0
2-1971797-1	Header	2	Glow Wire	UL 94 V-0
2-1971797-2	Header	2	Glow Wire	UL 94 V-0
2-1971797-3	Header	2	Glow Wire	UL 94 V-0
2-1971797-4	Header	2	Glow Wire	UL 94 V-0
2-1971798-2	Header	2	Glow Wire	UL 94 V-0
2-1971798-3	Header	2	Glow Wire	UL 94 V-0
2-1971798-4	Header	2	Glow Wire	UL 94 V-0
2-1971800-1	Header	2	Glow Wire	UL 94 V-0
2-1971800-2	Header	2	Glow Wire	UL 94 V-0
2-1971800-3	Header	2	Glow Wire	UL 94 V-0
2-1971800-4	Header	2	Glow Wire	UL 94 V-0
3-1971797-1	Header	3	Glow Wire	UL 94 V-0
3-1971797-2	Header	3	Glow Wire	UL 94 V-0
3-1971797-3	Header	3	Glow Wire	UL 94 V-0
3-1971797-4	Header	3	Glow Wire	UL 94 V-0
3-1971798-1	Header	3	Glow Wire	UL 94 V-0

2.5 GRACE INERTIA CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
3-1971798-3	Header	3	Glow Wire	UL 94 V-0
3-1971800-1	Header	3	Glow Wire	UL 94 V-0
3-1971800-2	Header	3	Glow Wire	UL 94 V-0
3-1971800-3	Header	3	Glow Wire	UL 94 V-0
3-1971800-4	Header	3	Glow Wire	UL 94 V-0
3-2232500-1	Header	3	Glow Wire	UL 94 V-0
3-2232501-1	Header	3	Glow Wire	UL 94 V-0
5-1971797-1	Header	5	Glow Wire	UL 94 V-0
5-1971797-2	Header	5	Glow Wire	UL 94 V-0
5-1971797-3	Header	5	Glow Wire	UL 94 V-0
5-1971797-4	Header	5	Glow Wire	UL 94 V-0
5-1971798-1	Header	5	Glow Wire	UL 94 V-0
5-1971798-2	Header	5	Glow Wire	UL 94 V-0
5-1971798-3	Header	5	Glow Wire	UL 94 V-0
5-1971798-4	Header	5	Glow Wire	UL 94 V-0
5-1971800-1	Header	5	Glow Wire	UL 94 V-0
5-1971800-2	Header	5	Glow Wire	UL 94 V-0
5-1971800-3	Header	5	Glow Wire	UL 94 V-0
5-1971800-4	Header	5	Glow Wire	UL 94 V-0
6-1971797-1	Header	6	Glow Wire	UL 94 V-0
6-1971797-2	Header	6	Glow Wire	UL 94 V-0
6-1971797-3	Header	6	Glow Wire	UL 94 V-0
6-1971797-4	Header	6	Glow Wire	UL 94 V-0
6-1971798-1	Header	6	Glow Wire	UL 94 V-0
6-1971798-2	Header	6	Glow Wire	UL 94 V-0
6-1971798-3	Header	6	Glow Wire	UL 94 V-0
6-1971798-4	Header	6	Glow Wire	UL 94 V-0
6-1971800-1	Header	6	Glow Wire	UL 94V-0
6-1971800-2	Header	6	Glow Wire	UL 94 V-0
6-1971800-3	Header	6	Glow Wire	UL 94 V-0
6-1971800-4	Header	6	Glow Wire	UL 94 V-0
8-1971797-1	Header	8	Glow Wire	UL 94 V-0
8-1971797-2	Header	8	Glow Wire	UL 94 V-0
8-1971797-3	Header	8	Glow Wire	UL 94 V-0
8-1971797-4	Header	8	Glow Wire	UL 94 V-0
8-1971798-1	Header	8	Glow Wire	UL 94 V-0

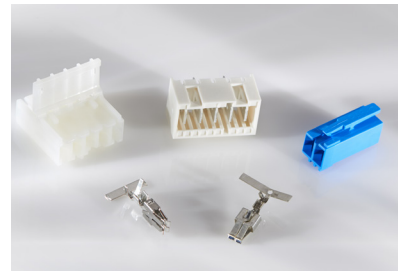
2.5 GRACE INERTIA CONNECTORS (CONT.)

Glow Wire Part Number	Type	Positions	Glow Wire Rating	UL Flammability Rating
8-1971798-2	Header	8	Glow Wire	UL 94 V-0
8-1971798-3	Header	8	Glow Wire	UL 94 V-0
8-1971798-4	Header	8	Glow Wire	UL 94 V-0
8-1971800-1	Header	8	Glow Wire	UL 94 V-0
8-1971800-2	Header	8	Glow Wire	UL 94 V-0
8-1971800-3	Header	8	Glow Wire	UL 94 V-0
8-1971800-4	Header	8	Glow Wire	UL 94 V-0
2-1971794-1	TPA	2	Glow Wire	UL 94 V-0
3-1971794-1	TPA	3	Glow Wire	UL 94 V-0
5-1971794-1	TPA	5	Glow Wire	UL 94 V-0
6-1971794-1	TPA	6	Glow Wire	UL 94 V-0
8-1971794-1	TPA	8	Glow Wire	UL 94 V-0

RAST Connectors

As a technology leader that designs and manufactures products at the heart of electronic connections for the world's leading industries, TE offers one of the most comprehensive ranges of products meeting RAST standards in the market. TE RAST 2.5 and 5 centerline connectors are ideal for both automatic and manual production lines.

More than 600 of these parts comply with the Glow Wire test.



The RAST IDC (Insulation Displacement Contact) connector system, including AMP multifitting Mark II connectors, AMP MONO-SHAPE connectors, AMP DUOPLUG connectors and new Monoplug 2.5 connectors, is specially designed for safe and fast automatic production. The normal crimping solutions, including product lines from RAST 5 standard timer connectors, Positive Lock RAST 5 connectors, and FASTIN-FASTON tab housings, are easily applicable in manual productions. The innovative RAST connector series offers a full range of vertical and right-angle mating headers.

Besides product solutions, TE provides a full series of application tooling, which help dramatically enhance productivity and quality.

Visit [RAST connectors landing page](#) to learn more.

www.te.com/usa-en/products/connectors/pcb-connectors/wire-to-board-connectors/intersection/rast-connectors.html

Download the [RAST connector catalog](#).

www.te.com/commerce/DocumentDelivery/DDEController?Action=srchrtv&DocNm=1-1773727-3_RAST_Connector_System&DocType=CS&DocLang=EN

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Australia	+86 400-820-6015	Hungary	+36 1-2892040	Portugal	+34 91-6630420
Austria	+43 1-9056-0	India	+86 400-820-6015	Russia	+74 95-790-2200
Belgium	+31 73-6246999	Ireland	+1 800-882-391	Slovakia	+42 02-720-11102
Brazil	+55 11-2103-6000	Italy	+39 011-4012111	Slovenia	+38 615-602-132
China	+86 400-820-6015	Japan	+044-844-8052	South Africa	+97 150-457-0806
Czech Republic	+42 02-7201-1103	Korea	+02-3415-4607	Spain	+34 932-910-330
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Estonia	+37 2677-8673	Lithuania	+37 037426900	Switzerland	+41 71-447-0447
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Germany	+49 6151-607-1999	New Zealand	+86 400-820-6015	United Kingdom	+44 800-267666
Greece	+97 1-4-347-0226	Norway	+46 8-5072-5000	USA	800-522-6752
Holland	+31 73-6246999	Poland	+48 22-4576750		

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