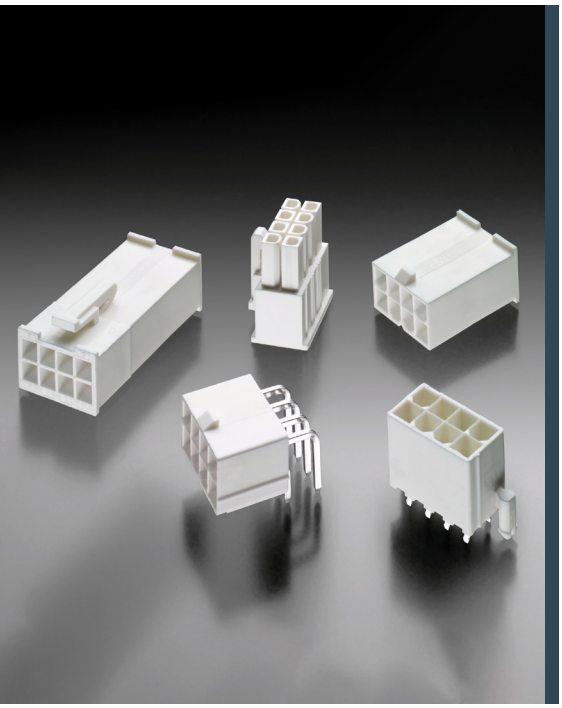


# VAL-U-LOK GLOW WIRE CONNECTORS

## QUICK REFERENCE GUIDE

VAL-U-LOK connector housings and headers are now available in special Glow Wire compatible material. Glow Wire is a test required by IEC/EN 60335-1 4th.

Edition: Household and Similar Appliances – Safety. VAL-U-LOK Glow Wire connectors allow manufacturers of home appliances sold into the European market to comply with this standard.

### KEY FEATURES

- Meets the requirement of IEC 60335-1
- Mates to standard VAL-U-LOK housings
- Compatible with standard VAL-U-LOK contacts

### APPLICATIONS

- Household Appliances :
  - Air Conditioning
  - Dishwasher
  - Dryers
  - Ovens
  - Refrigerators
  - Washing Machines

### ELECTRICAL

- Voltage: 600 VAC
- Current: 9 amps max. in 2-position applications
- Dielectric Withstanding Voltage: 1500 VAC min.
- Insulation Resistance: 1000 megohms min.
- Operating Temperature: –40°C to +105°C [–40°F to +221°F]

### MECHANICAL

- Connector Mating: 1.55 lb. [6.90 N] max. per circuit
- Connector Unmating: .11 lb. [.49 N] min. per circuit
- Contact Retention: 4.88 lb. [21.71 N] min. per contact
- Durability: 30 cycles, mating and unmating

### MATERIALS

- Housings: Glow Wire Compatible
- Contacts: Brass or Phos. Bronze with tin plating (Lead-Free) or gold plating

## PRODUCT OFFERING

| Receptacle and Plug Housing (Dual Row) | | | |
|---|---|---|---|
| A Receptacles | | B Plugs | |
| Number of Positions | | Panel Mount | Free Hanging |
| 2 | 1586765-2 | 1586861-2 | 1586862-2 |
| 4 | 1586765-4 | 1586861-4 | 1586862-4 |
| 6 | 1586765-6 | 1586861-6 | 1586862-6 |
| 8 | 1586765-8 | 1586861-8 | 1586862-8 |
| 10 | 1-1586765-0 | 1-1586861-0 | 1-1586862-0 |
| 12 | 1-1586765-2 | 1-1586861-2 | 1-1586862-2 |
| 14 | 1-1586765-4 | 1-1586861-4 | 1-1586862-4 |
| 16 | 1-1586765-6 | 1-1586861-6 | 1-1586862-6 |
| 18 | 1-1586765-8 | 1-1586861-8 | 1-1586862-8 |
| 20 | 2-1586765-0 | 2-1586861-0 | 2-1586862-0 |
| 22 | 2-1586765-2 | 2-1586861-2 | 2-1586862-2 |
| 24 | 2-1586765-4 | 2-1586861-4 | 2-1586862-4 |

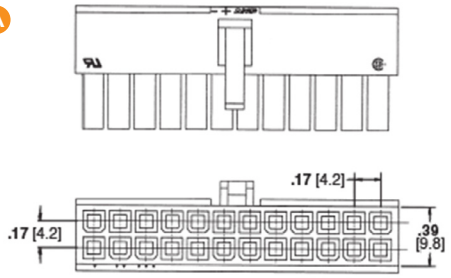
| Headers (Dual Row) | | | | |
|---|---|---|---|---|
| Number of Positions | Vertical w/o pegs w/ dh* | C Vertical w/ pegs w/ dh* | Vertical w/ pegs w/o dh* | D Right Angle w/o pegs |
| 2 | 1586768-2 | 2029059-2 | 2029265-2 | 1586863-2 |
| 4 | 1586768-4 | 2029059-4 | 2029265-4 | 1586863-4 |
| 6 | 1586768-6 | 2029059-6 | 2029265-6 | 1586863-6 |
| 8 | 1586768-8 | 2029059-8 | 2029265-8 | 1586863-8 |
| 10 | 1-1586768-0 | 1-2029059-0 | 1-2029265-0 | 1-1586863-0 |
| 12 | 1-1586768-2 | 1-2029059-2 | 1-2029265-2 | 1-1586863-2 |
| 14 | 1-1586768-4 | 1-2029059-4 | 1-2029265-4 | 1-1586863-4 |
| 16 | 1-1586768-6 | 1-2029059-6 | 1-2029265-6 | 1-1586863-6 |
| 18 | 1-1586768-8 | 1-2029059-8 | 1-2029265-8 | 1-1586863-8 |
| 20 | 2-1586768-0 | 2-2029059-0 | 2-2029265-0 | 2-1586863-0 |
| 22 | 2-1586768-2 | 2-2029059-2 | 2-2029265-2 | 2-1586863-2 |
| 24 | 2-1586768-4 | 2-2029059-4 | 2-2029265-4 | 2-1586863-4 |

| Receptacle and Plug Housing (Single Row) | | | |
|---|---|---|---|
| A Receptacles | | B Plugs | |
| Number of Positions | | Panel Mount | Free Hanging |
| 3 | 2029112-3 | 2029110-3 | 2029111-3 |
| 4 | 2029178-4 | 2029177-4 | 2029180-4 |
| 5 | 2029178-5 | 2029177-5 | 2029180-5 |

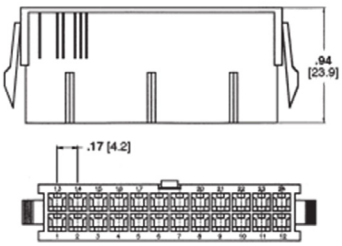
| Headers (Dual Row) | | | |
|---|---|---|---|
| Number of Positions | Vertical w/ pegs w/ dh | C Vertical w/ pegs w/o dh | D Right Angle w/o pegs |
| 3 | 2029113-3 | 2029181-3 | 2029154-3 |
| 4 | 2029113-4 | 2029181-4 | 2029154-4 |
| 5 | 2029113-5 | 2029181-5 | 2029154-5 |

*dh indicates drain holes

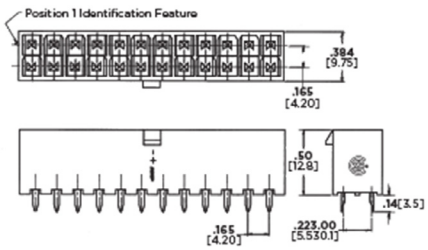
A



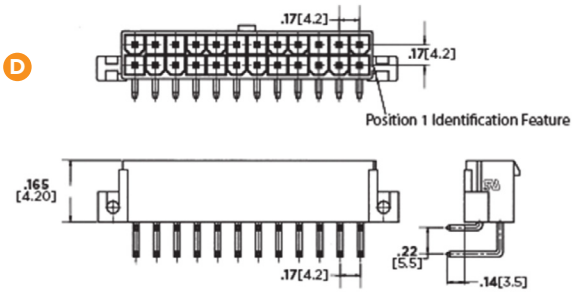

B




C




D



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Visit **te.com/support** to chat with a Product Information Specialist.

**te.com/val-u-lok-connectors**

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