



# 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

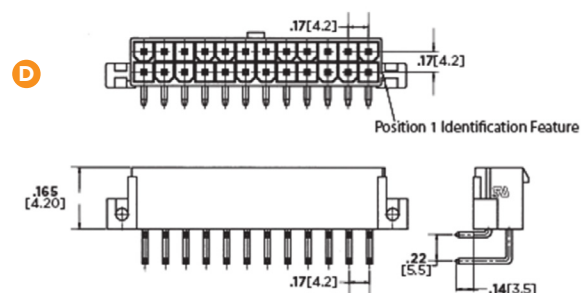
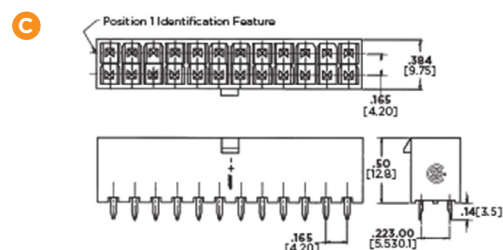
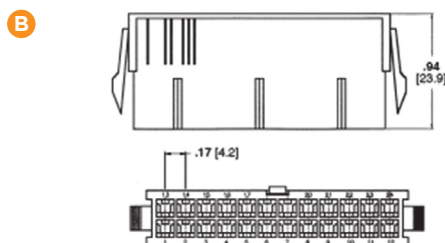
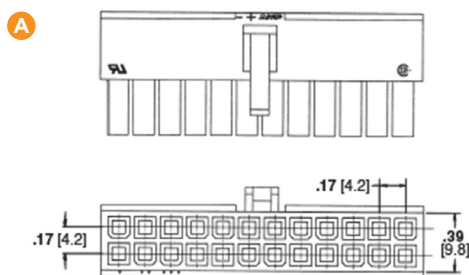
| Receptacle and Plug Housing (Dual Row) |                             |                             |                             |
|----------------------------------------|-----------------------------|-----------------------------|-----------------------------|
| A Receptacles                   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

| Receptacle and Plug Housing (Single Row) |                           |                           |                           |
|------------------------------------------|---------------------------|---------------------------|---------------------------|
| A Receptacles                            |                           | B Plugs                   |                           |
| Number of Positions                      |                           | Panel Mount               | Free Hanging              |
| 3                                        | <a href="#">2029112-3</a> | <a href="#">2029110-3</a> | <a href="#">2029111-3</a> |
| 4                                        | <a href="#">2029178-4</a> | <a href="#">2029177-4</a> | <a href="#">2029180-4</a> |
| 5                                        | <a href="#">2029178-5</a> | <a href="#">2029177-5</a> | <a href="#">2029180-5</a> |

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

| Headers (Dual Row)  |                           |                           |                           |
|---------------------|---------------------------|---------------------------|---------------------------|
| Number of Positions | Vertical w/ pgs w/ dh     | C Vertical w/ pgs w/o dh  | D Right Angle w/o pgs     |
| 3                   | <a href="#">2029113-3</a> | <a href="#">2029181-3</a> | <a href="#">2029154-3</a> |
| 4                   | <a href="#">2029113-4</a> | <a href="#">2029181-4</a> | <a href="#">2029154-4</a> |
| 5                   | <a href="#">2029113-5</a> | <a href="#">2029181-5</a> | <a href="#">2029154-5</a> |

\*dh indicates drain holes



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