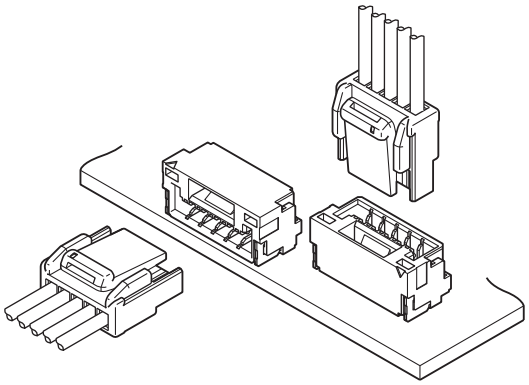


# GEZ CONNECTOR

**1.25 mm pitch/Wire-to-Board connectors/Crimp style and Mating style**



This connector represents a significant upgrade in mechanical and electrical performance compared to the GH connector, which boasts an overwhelming market presence as a 1.25 mm pitch single-row type connector. This connector is ideal for further improving the safety and reliability of high-density circuit connections.
The contacts are also the same as those used in the dual-row GERD connector, allowing for more efficient investment and operation of crimping processing equipment.

- Superior contact retention force
  ＊30% more retention force than the GH connector
- High current rating
  ＊Rated 50% higher than the GH connector
- Secure lock mechanism
- Structured to prevent contact deformation
- Excellent insertion and withdrawal performance

## ■ Specifications

- Current rating: 1.5 A AC/DC (AWG #26)
  1.0 A AC/DC (AWG #28)
  0.8 A AC/DC (AWG #30)
- Voltage rating: 50 V AC/DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 30 mΩ max.
  After test/ 50 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage:
  There shall be no breakdown or flashover while applying 500 VAC for one minute.
- Applicable wire range:
  Conductor size/ AWG #30 to AWG #26
  Insulation O.D./ $\phi$ 0.76 mm to $\phi$ 1.05 mm

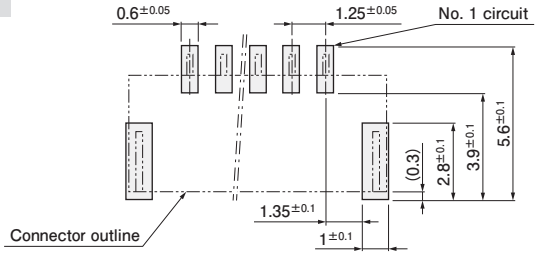
＊ Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the “Technical Documents” column on the Product Information page) before use.
＊ RoHS2 compliance
＊ Dimensional unit: mm
＊ Contact JST for details.

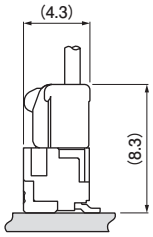


JST

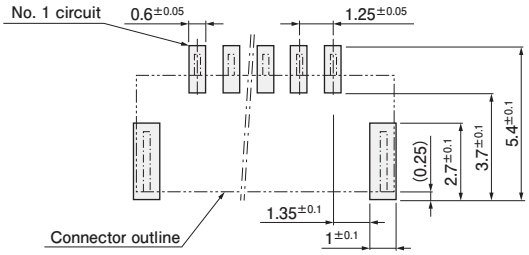
## PC board layout and Assembly layout

### Top entry type

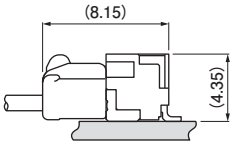



### Side entry type

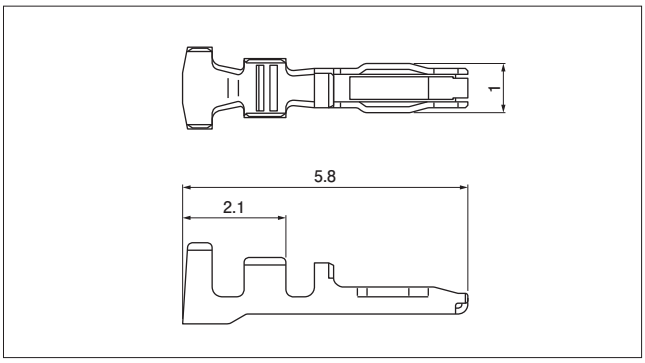



(Mating interface side of connector)




Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.
2. Tolerance for the PCB pattern pitch shall be ± 0.05 and shall not accumulate.
The above dimensions are for reference only. Please contact JST for further details.

## Contact




| Model No. | Applicable wire range | | Q'ty/ reel |
|---|---|---|---|
| | Conductor size AWG (mm2) | Insulation O.D. (mm) | |
| SGEZD-002T-C0.2A | #30 to #26 (0.05 to 0.13) | 0.76 to 1.05 | 25,000 |

| Material and Surface finish, etc. |
|---|
| Copper alloy, tin-plated |

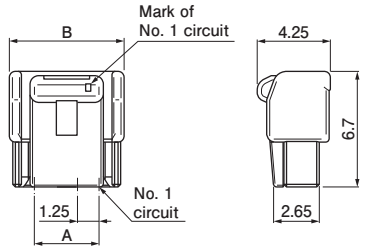
### Crimping machine

| Contact | Crimping machine | Applicator | Crimp applicator with dies |
|---|---|---|---|
| SGEZD-002T-C0.2A | AP-K2N | MKS-L-10-3 | APLMK SSHL002-02 |

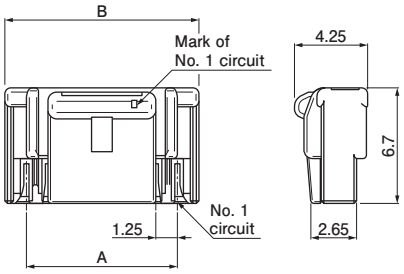
Note: Contact JST for fully automatic crimping applicator.

## Housing

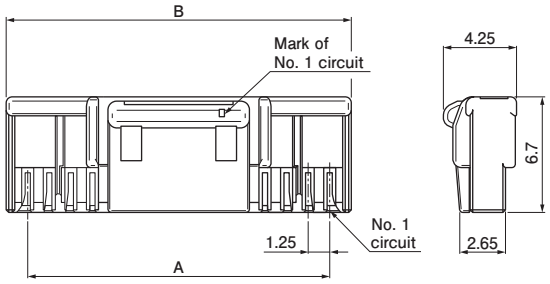
<2 to 4 circuits>




<5 to 8 circuits>




<9 to 15 circuits>



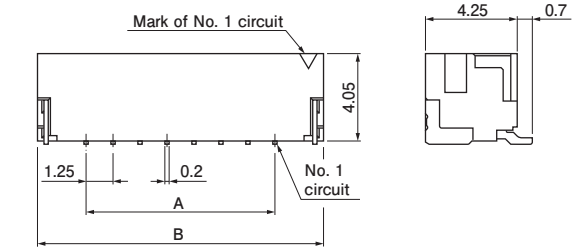

| No. of circuits | Model No. | Dimensions (mm) | | Q'ty/bag |
|---|---|---|---|---|
| | | A | B | |
| 2 | **GEZR-02V-K** | — | 4.45 | 2,000 |
| 3 | **GEZR-03V-K** | 2.50 | 5.50 | 2,000 |
| 4 | **GEZR-04V-K** | 3.75 | 6.65 | 2,000 |
| 5 | **GEZR-05V-K** | 5.00 | 7.50 | 2,000 |
| 6 | **GEZR-06V-K** | 6.25 | 8.75 | 2,000 |
| 7 | **GEZR-07V-K** | 7.50 | 10.00 | 1,000 |
| 8 | **GEZR-08V-K** | 8.75 | 11.25 | 1,000 |
| 9 | **GEZR-09V-K** | 10.00 | 12.50 | 1,000 |
| 10 | **GEZR-10V-K** | 11.25 | 13.75 | 1,000 |
| 11 | **GEZR-11V-K** | 12.50 | 15.00 | 1,000 |
| 12 | **GEZR-12V-K** | 13.75 | 16.25 | 1,000 |
| 13 | **GEZR-13V-K** | 15.00 | 17.50 | 1,000 |
| 14 | **GEZR-14V-K** | 16.25 | 18.75 | 1,000 |
| 15 | **GEZR-15V-K** | 17.50 | 20.00 | 1,000 |

| Material and Surface finish, etc. |
|---|
| PBT, black |

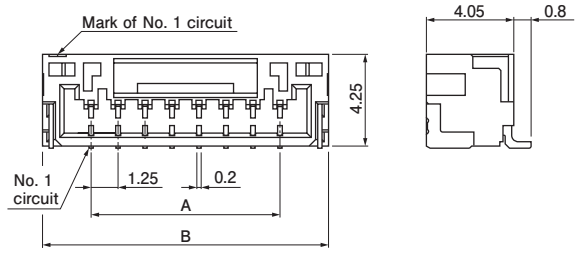
Note: For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

## Header

### Top entry type




### Side entry type




| No. of circuits | Model No. | | Dimensions (mm) | | Q'ty/ reel |
|---|---|---|---|---|---|
| | Top entry type | Side entry type | A | B | |
| 2 | BM02B-GEZK-TBT | SM02B-GEZK-TB | — | 5.75 | 2,500 |
| 3 | BM03B-GEZK-TBT | SM03B-GEZK-TB | 2.50 | 7.00 | 2,500 |
| 4 | BM04B-GEZK-TBT | SM04B-GEZK-TB | 3.75 | 8.25 | 2,500 |
| 5 | BM05B-GEZK-TBT | SM05B-GEZK-TB | 5.00 | 9.50 | 2,500 |
| 6 | BM06B-GEZK-TBT | SM06B-GEZK-TB | 6.25 | 10.75 | 2,500 |
| 7 | BM07B-GEZK-TBT | SM07B-GEZK-TB | 7.50 | 12.00 | 2,500 |
| 8 | BM08B-GEZK-TBT | SM08B-GEZK-TB | 8.75 | 13.25 | 2,500 |
| 9 | BM09B-GEZK-TBT | SM09B-GEZK-TB | 10.00 | 14.50 | 2,500 |
| 10 | BM10B-GEZK-TBT | SM10B-GEZK-TB | 11.25 | 15.75 | 2,500 |
| 11 | BM11B-GEZK-TBT | SM11B-GEZK-TB | 12.50 | 17.00 | 2,500 |
| 12 | BM12B-GEZK-TBT | SM12B-GEZK-TB | 13.75 | 18.25 | 2,500 |
| 13 | BM13B-GEZK-TBT | SM13B-GEZK-TB | 15.00 | 19.50 | 2,500 |
| 14 | BM14B-GEZK-TBT | SM14B-GEZK-TB | 16.25 | 20.75 | 2,500 |
| 15 | BM15B-GEZK-TBT | SM15B-GEZK-TB | 17.50 | 22.00 | 2,500 |

| Material and Surface finish, etc. |
|---|
| Contact: Copper alloy, tin-plated<br>Housing: PA (Heat Resistance), black<br>Reinforcement: Copper alloy, tin-plated |

Note: For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

## Model number allocation

### Contact

S GEZD - 002 T - C 0.2 A

- Supply form: Strip form
- Series name
- Applicable wire range: AWG #30 to AWG #26
- Surface finish: Tin-plated
- Material: Copper alloy
- Applicable contact size
- Sub model number

### Housing

GEZ R - 04 V - K

- Series name
- Type: For receptacle contact
- No. of circuits
- Sub model number
- Color: K···Black, S···Natural (White), E···Blue, TR···Tomato red
  MG···Moss green, NB···Navy blue, HD···Dark gray
  OD···Dark orange, PD···Dark purple

### Header/ Top entry type

BM 04 B - GEZ K - TB T

- Header type: SMT top entry type
- No. of circuits
- Asssembly product
- Series name
- Color: K···Black, S···Natural (Ivory), E···Blue
  TR···Tomato red , MG···Moss green,
  NB···Navy blue, HD···Dark gray,
  OD···Dark orange, PD···Dark purple
- Packaging style: Embossed taping
- Suction tape: Yes

### Header/ Side entry type

SM 04 B - GEZ K - TB

- Header type: SMT side entry type
- No. of circuits
- Asssembly product
- Series name
- Color: K···Black, S···Natural (Ivory), E···Blue
  TR···Tomato red , MG···Moss green,
  NB···Navy blue, HD···Dark gray,
  OD···Dark orange, PD···Dark purple
- Packaging style: Embossed taping