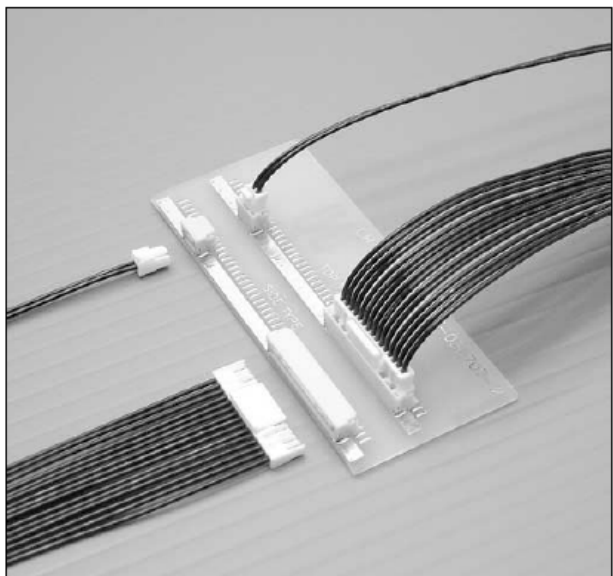
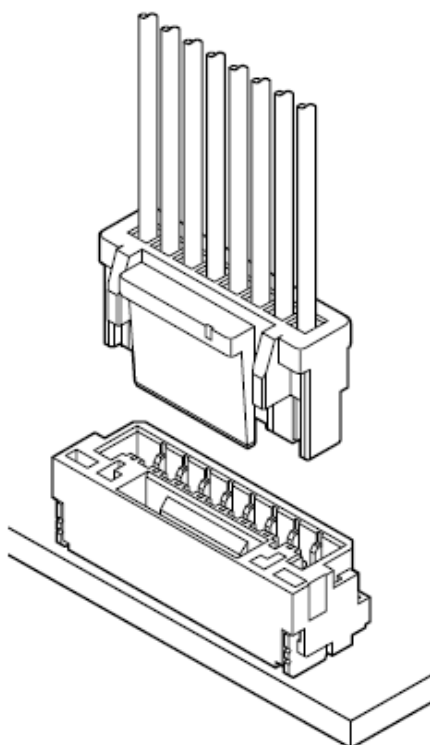


# GH CONNECTOR

*Disconnectable Crimp style connectors*



**Developed for Plasma Display Panels, LCD Monitors, notebook PC's, PDA's, mobile phones and other small electronic equipment.**



## Features

- **A secure locking structure**

The innovative housing lock design achieves a locking device which is easy to handle as well as secure.

- **Low Insertion Force**

The basic concept of the contact part of this connector is equivalent to the proven performance of the SHL connector. This in turn facilitates low insertion and straightforward connector mating.

- **Deformation preventative design**

Fork-shaped header contacts are supported by grooves on the housing walls which are designed to prevent deformation of contacts.

- **Distortion resistant construction**

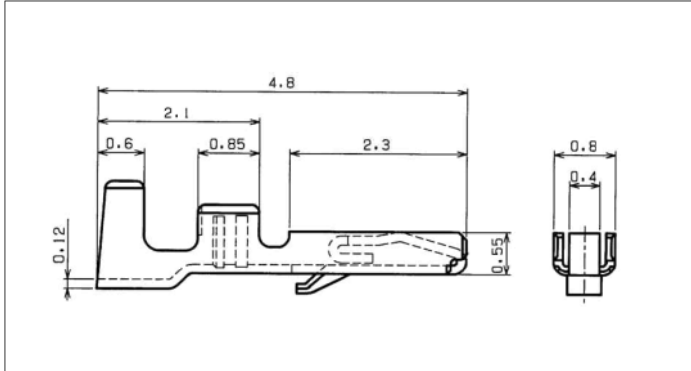
The header is fully shrouded and thus protects the receptacle from damage that could be caused by mating the connector at an angle.

## Specifications

- Current rating: 1.0A AC, DC (AWG # 26)
- Voltage rating: 50V AC,DC
- Temperature range: -25° to +85° (including temperature rise in applying electrical current)
- Applicable wire: Conductor Size / AWG #30 to # 26  
: Insulation O.D./ Ø 0.8 to 1.0mm
- No of circuits: 2 to 15 circuits
- Direction of entry: Top entry / side entry
- \* Directive 2002/95/EC (RoHS) Compliant

# GH CONNECTOR

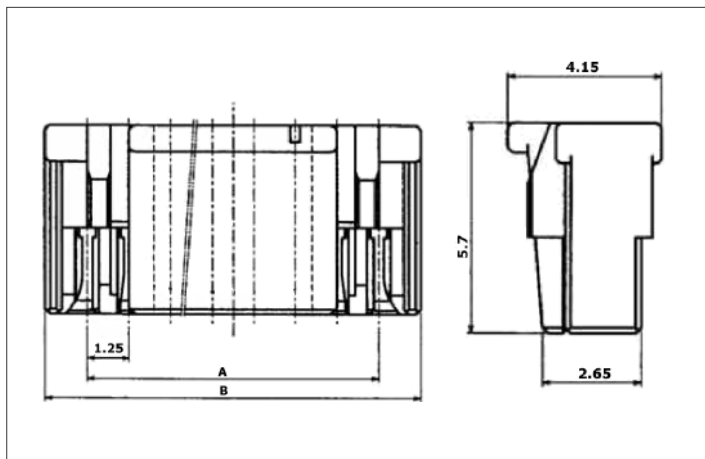
## Contact



| Model No.      | Applicable wire |          |                    | Qty / reel |
|----------------|-----------------|----------|--------------------|------------|
|                | mm <sup>2</sup> | AWG#     | Insulation O.D.min |            |
| SSHL-002T-P0.2 | 0.05 to 0.13    | 30 to 26 | 0.8 to 1.0         | 23,000     |

| Material and Finish         |  |  |  |  |
|-----------------------------|--|--|--|--|
| Phosphor bronze, tin-plated |  |  |  |  |

## Housing



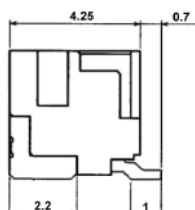
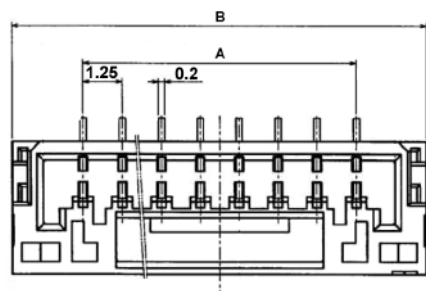
| Circuits | Model No. | Dimensions mm |       | Qty / bag |
|----------|-----------|---------------|-------|-----------|
|          |           | A             | B     |           |
| 2        | GHR-2V-S  | 1.25          | 3.75  | 4,000     |
| 3        | GHR-3V-S  | 2.50          | 5.00  | 3,000     |
| 4        | GHR-4V-S  | 3.75          | 6.25  | 2,500     |
| 5        | GHR-5V-S  | 5.00          | 7.50  | 2,000     |
| 6        | GHR-6V-S  | 6.25          | 8.75  | 1,500     |
| 7        | GHR-7V-S  | 7.50          | 10.00 | 1,500     |
| 8        | GHR-8V-S  | 8.75          | 11.25 | 1,000     |
| 9        | GHR-9V-S  | 10.00         | 12.50 | 1,000     |
| 10       | GHR-10V-S | 11.25         | 13.75 | 1,000     |
| 11       | GHR-11V-S | 12.50         | 15.00 | 1,000     |
| 12       | GHR-12V-S | 13.75         | 16.25 | 1,000     |
| 13       | GHR-13V-S | 15.00         | 17.50 | 1,000     |
| 14       | GHR-14V-S | 16.25         | 18.75 | 500       |
| 15       | GHR-15V-S | 17.50         | 20.00 | 500       |

| Material and Finish           |  |  |  |  |
|-------------------------------|--|--|--|--|
| PBT, UL94V-0, Natural (white) |  |  |  |  |

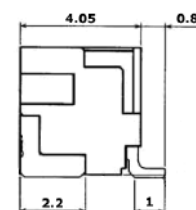
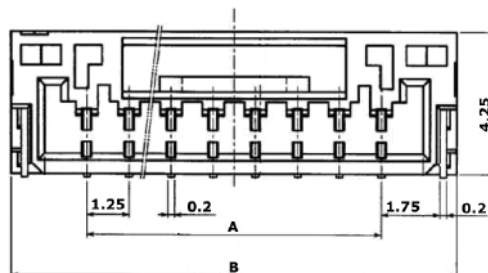
# GH CONNECTOR

## SMT type header

Top entry type



Side entry type



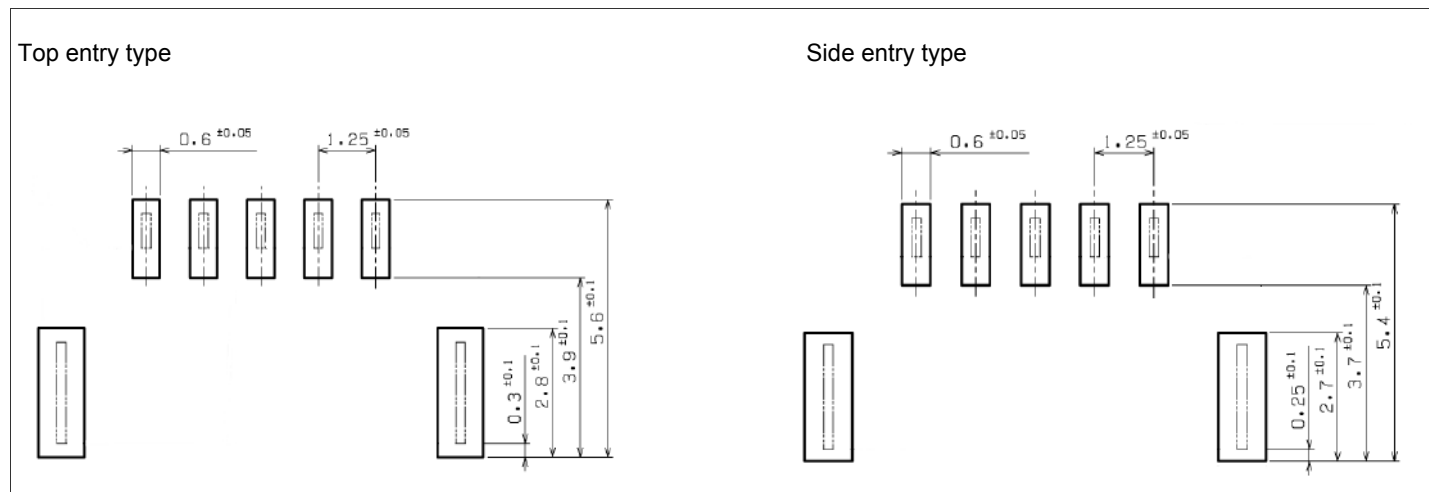
| Circuits | Model No.              |                       | Dimensions mm (in.) |       | Qty / reel     |                 |
|----------|------------------------|-----------------------|---------------------|-------|----------------|-----------------|
|          | Top entry type         | Side entry type       | A                   | B     | Top entry type | Side entry type |
| 2        | BM2B-GHS-TBT (LF)(SN)  | SM2B-GHS-TB (LF)(SN)  | 1.25                | 5.75  | 2,500          | 2,500           |
| 3        | BM3B-GHS-TBT (LF)(SN)  | SM3B-GHS-TB (LF)(SN)  | 2.50                | 7.00  | 2,500          | 2,500           |
| 4        | BM4B-GHS-TBT (LF)(SN)  | SM4B-GHS-TB (LF)(SN)  | 3.75                | 8.25  | 2,500          | 2,500           |
| 5        | BM5B-GHS-TBT (LF)(SN)  | SM5B-GHS-TB (LF)(SN)  | 5.00                | 9.50  | 2,500          | 2,500           |
| 6        | BM6B-GHS-TBT (LF)(SN)  | SM6B-GHS-TB (LF)(SN)  | 6.25                | 10.75 | 2,500          | 2,500           |
| 7        | BM7B-GHS-TBT (LF)(SN)  | SM7B-GHS-TB (LF)(SN)  | 7.50                | 12.00 | 2,500          | 2,500           |
| 8        | BM8B-GHS-TBT (LF)(SN)  | SM8B-GHS-TB (LF)(SN)  | 8.75                | 13.25 | 2,500          | 2,500           |
| 9        | BM9B-GHS-TBT (LF)(SN)  | SM9B-GHS-TB (LF)(SN)  | 10.00               | 14.50 | 2,500          | 2,500           |
| 10       | BM10B-GHS-TBT (LF)(SN) | SM10B-GHS-TB (LF)(SN) | 11.25               | 15.75 | 2,500          | 2,500           |
| 11       | BM11B-GHS-TBT (LF)(SN) | SM11B-GHS-TB (LF)(SN) | 12.50               | 17.00 | 2,500          | 2,500           |
| 12       | BM12B-GHS-TBT (LF)(SN) | SM12B-GHS-TB (LF)(SN) | 13.75               | 18.25 | 2,500          | 2,500           |
| 13       | BM13B-GHS-TBT (LF)(SN) | SM13B-GHS-TB (LF)(SN) | 15.00               | 19.50 | 2,500          | 2,500           |
| 14       | BM14B-GHS-TBT (LF)(SN) | SM14B-GHS-TB (LF)(SN) | 16.25               | 20.75 | 2,500          | 2,500           |
| 15       | BM15B-GHS-TBT (LF)(SN) | SM15B-GHS-TB (LF)(SN) | 17.50               | 22.00 | 2,500          | 2,500           |

### Material and Finish

Pin: Phosphor Bronze, copper-underplated, tin-plated  
 Wafer: 9T nylon  
 Reinforcements: Brass, copper-underplated, tin-plated

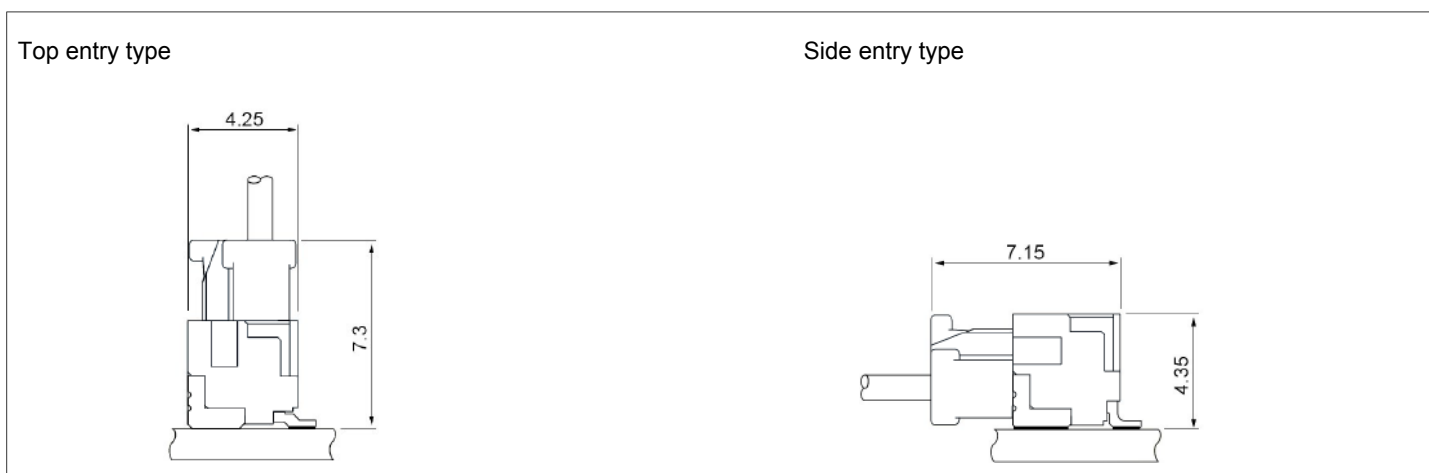
# GH CONNECTOR

## SMT type PC board layout (viewed from component side)



- Note:
1. Tolerances are non-cumulative  $\pm 0.05\text{mm}$  ( $\pm 0.002''$ ) for all centers.
  2. Dimensions above should serve as a guideline. Contact JST for details.
  3. Taping specifications. Contact JST for details.

## Assembly layout



## Applicator for the semi-automotive press AP-K2N

| Contact        | Crimp applicator MKS-L(-10) |                      | Compact crimp applicator MKS-LS |                      | Strip-crimp applicator MKS-SC |
|----------------|-----------------------------|----------------------|---------------------------------|----------------------|-------------------------------|
|                | With safety cover           | Without safety cover | With safety cover               | Without safety cover | With safety cover             |
| SSHL-002T-P0.2 | APLMK SSLH002               | APLNC SSLH002        | --                              | --                   | --                            |

In line with a policy of continual product development, JST reserves the right to change the specifications of the goods described in the catalog at any time and without prior notice.

The drawings and specifications in this catalog are just for reference. Please do not fail to get the original and the latest drawings and product specifications before use. Contact JST for details.