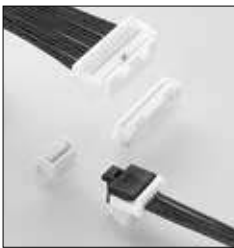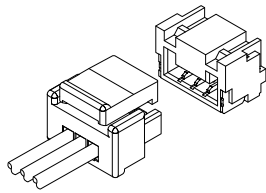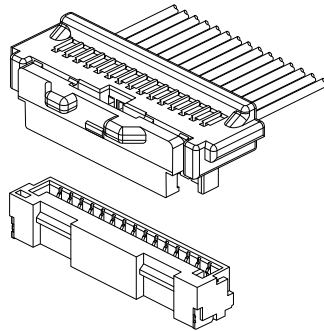# GVH CONNECTOR

1.25mm pitch/Disconnectable Crimp style connectors

Side entry type

Side feed type

This connector can be mounted on the same PC board layout as GH connector, and has the sucking area on the top of connector without suction tape. The side feed type for drawing out the wire laterally that considers the workability of mating and normal side entry type has been developed.

● Secure locking structure
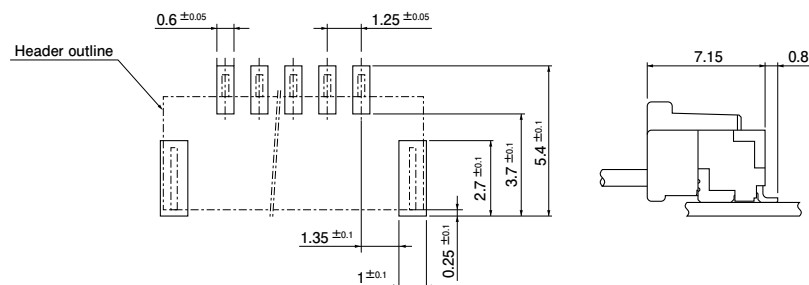● Prevention of contact deformation
● Sucking area

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)
- Contact resistance: Initial value/ 30mΩ max.
  After environmental testing/ 50mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 500V AC/minute
- Applicable wire: Conductor size/ AWG #30 to #26
  Insulation O.D./ 0.8 to 1.0mm

* Compliant with RoHS.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

Standards

ᴿᵁ Recognized E 60389

Side entry type

0.6 ±0.05   1.25 ±0.05
Header outline
7.15   0.8
5.4 ±0.1
3.7 ±0.1
2.7 ±0.1
0.25 ±0.1
1.35 ±0.1
1 ±0.1

Side feed type

0.6 ±0.05   1.25 ±0.05
Header outline
2 to 4 circuits : 8.35
5 to 8 circuits : 8.75
9 to 15 circuits : 9.55
5.6 ±0.1
3.9 ±0.1
2.8 ±0.1
0.3 ±0.1
8.8
1.35 ±0.1
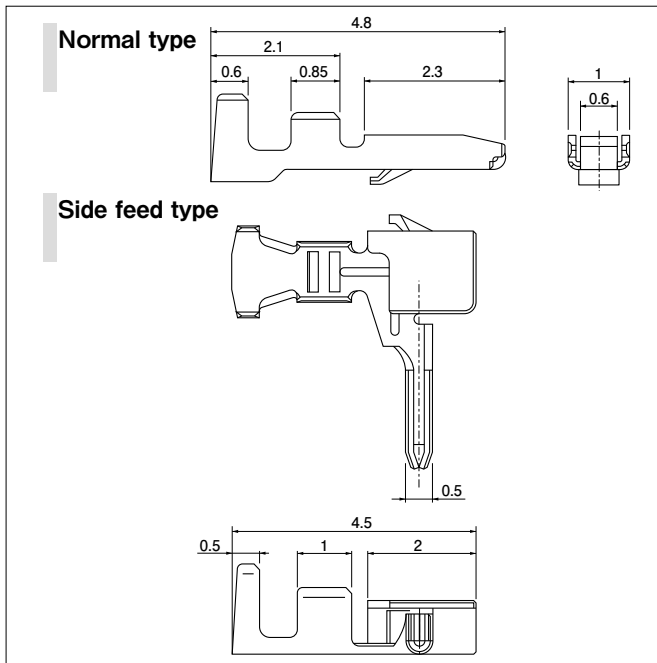1 ±0.1
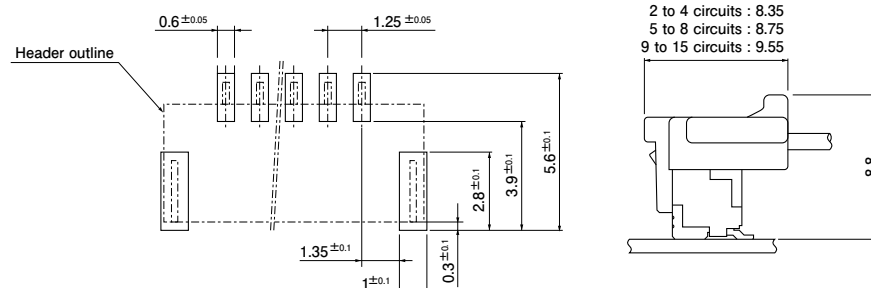
Note: 1. The above figure is the figure viewed from the connector mounting side.
      2. Tolerances are non-cumulative: ± 0.05mm for all centers.
      3. The dimensions above should serve as a guideline. Contact JST for details.

GVH CONNECTOR

Contact

Normal type

Side feed type

Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty / reel
	mm²	AWG#		
SGVH-002T-P0.2	0.05 to 0.13	30 to 26	0.8 to 1.0	23,000
SGVHSF-002T-0.2	0.05 to 0.13	30 to 26	0.8 to 1.0	13,000

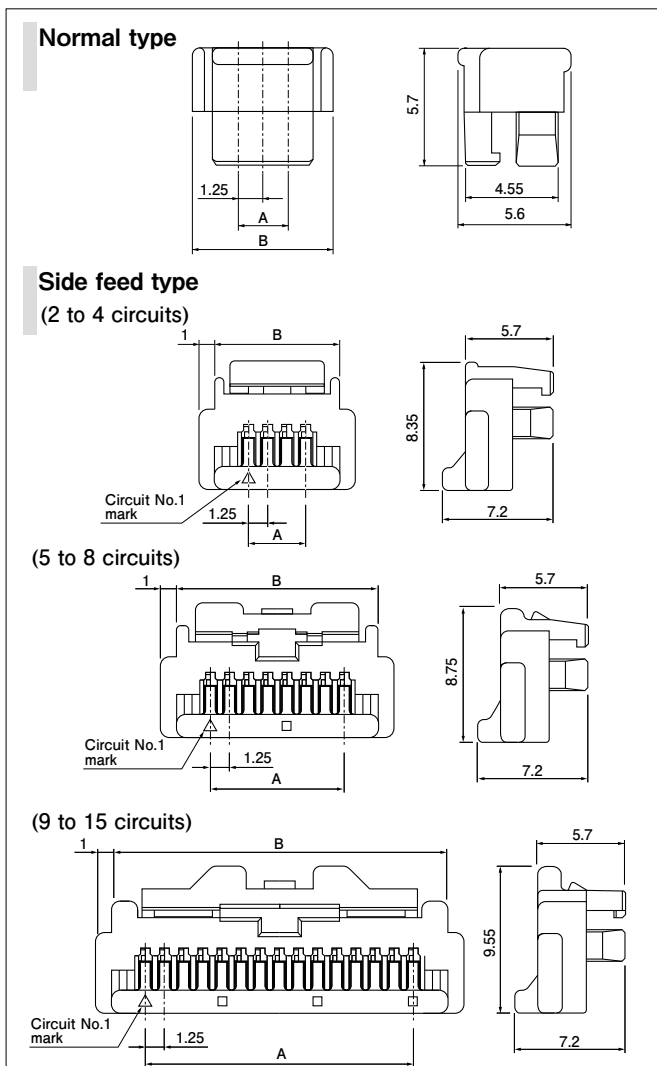| Material and Finish |
|---|
| Side entry type: Phosphor bronze, tin-plated (reflow treatment) |
| Side feed type: Brass, tin-plated (reflow treatment) |

RoHS compliance
Note: 1. Contact JST for gold-plated products.
2. Contact JST when it is used for the equipment for outdoor use and the part required high reliability, because the side feed type can correspond with phosphor bronze products.

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SGVH-002T-P0.2	AP-K2N	MKS-L-10-3	MK/SSHL-002-02	APLMK SSHL002-02
		–	–	–
SGVHSF-002T-0.2	AP-K2N	MKS-L-10-3	MK/SGVHSF-002-02	APLMK SGVHSF002-02
		–	–	–

Note: Contact JST for fully automatic crimping applicator.

Housing

Normal type

Side feed type

(2 to 4 circuits)

Circuit No.1 mark

(5 to 8 circuits)

Circuit No.1 mark

(9 to 15 circuits)

Circuit No.1 mark

No. of circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
3	GVHR-03V-S	2.50	7.00	5,000

Material
PBT, UL94V-0, natural

RoHS compliance

No. of circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
2	GVHRSF-02V-S	1.25	5.75	4,000
3	GVHRSF-03V-S	2.50	7.00	4,000
4	GVHRSF-04V-S	3.75	8.25	2,500
5	GVHRSF-05V-S	5.00	9.50	2,500
6	GVHRSF-06V-S	6.25	10.75	2,500
7	GVHRSF-07V-S	7.50	12.00	2,000
8	GVHRSF-08V-S	8.75	13.25	2,000
9	GVHRSF-09V-S	10.00	14.50	1,500
10	GVHRSF-10V-S	11.25	15.75	1,500
11	GVHRSF-11V-S	12.50	17.00	1,500
12	GVHRSF-12V-S	13.75	18.25	1,000
13	GVHRSF-13V-S	15.00	19.50	1,000
14	GVHRSF-14V-S	16.25	20.75	1,000
15	GVHRSF-15V-S	17.50	22.00	1,000

Material
PBT, UL94V-0, natural

RoHS compliance

Header

Side entry type
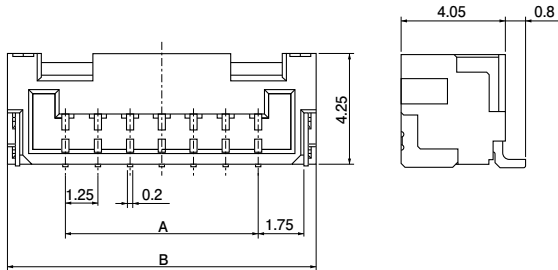
Side feed type
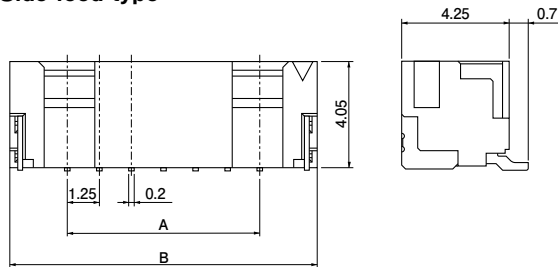
No. of circuits	Model No.		Dimensions (mm)		Q'ty / reel
	Side feed type	Side entry type	A	B	
2	BM02B-GVHS-TB	–	1.25	5.75	2,500
3	BM03B-GVHS-TB	SM03B-GVHS-TB	2.50	7.00	2,500
4	BM04B-GVHS-TB	–	3.75	8.25	2,500
5	BM05B-GVHS-TB	–	5.00	9.50	2,500
6	BM06B-GVHS-TB	–	6.25	10.75	2,500
7	BM07B-GVHS-TB	–	7.50	12.00	2,500
8	BM08B-GVHS-TB	–	8.75	13.25	2,500
9	BM09B-GVHS-TB	–	10.00	14.50	2,500
10	BM10B-GVHS-TB	–	11.25	15.75	2,500
11	BM11B-GVHS-TB	–	12.50	17.00	2,500
12	BM12B-GVHS-TB	–	13.75	18.25	2,500
13	BM13B-GVHS-TB	–	15.00	19.50	2,500
14	BM14B-GVHS-TB	–	16.25	20.75	2,500
15	BM15B-GVHS-TB	–	17.50	22.00	2,500

Material and Finish
Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment)
Housing: PA 6T, UL94V-0, natural
Reinforcement: Brass, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance   This product displays (LF)(SN) on a label.
Note: Contact JST for gold-plated products.

Model number allocation

Contact

S GVH SF - 002 T - 0.2

Form: S···Strip form
Series name
Terminal form: None···Normal type
           SF···Side feed type
Applicable wire range: 002···AWG #30 to AWG #26
Surface finish: T···Tin-plated (reflow treatment)
Material: P···Phosphor bronze
      None···Brass
Terminal size

Housing

GVH R SF - 15 V - S

Series name
Part name: Receptacle
Housing form: None···Normal type
         SF···Side feed type
No. of circuits: 2 to 15
Flammability: V···UL94V-0
Color: S···Natural

Header

BM 15 B - GVH S - TB

Shape of assembled product:
   BM···SMT side feed type
   SM···SMT side entry type
No. of circuits: 2 to 15
Part name: Header
Series name
Color: S···Natural
Packaging style: TB···Embossed-taping