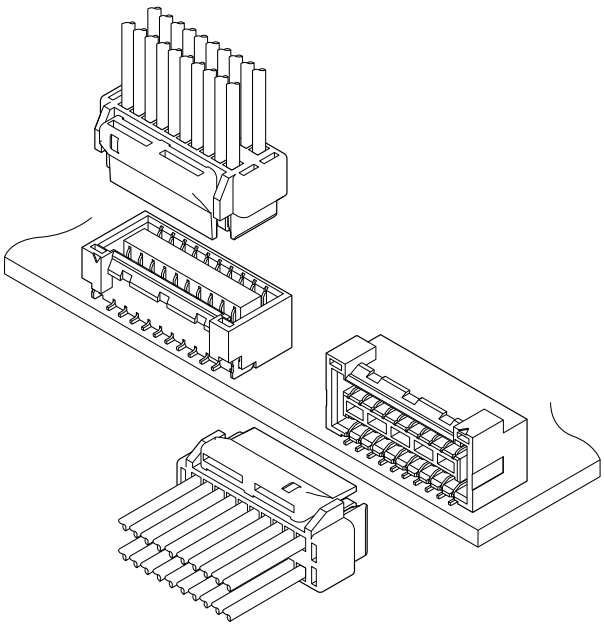


GHD CONNECTOR/TIN-PLATED PRODUCT

Emboss Tape

1.25 mm pitch/Disconnectable Crimp style connectors



In order to correspond to the various high-density PC board designing, this GHD connector is designed as 1.25 mm pitch double row type connector. Provide a full lineup of 10 to 40 circuits for top and side entry types.
Its operability is very well, in spite of the small size with tin-plated.

- **Secure lock device**
- **Low insertion force**
- **Prevention of contact deformation**
- **Suction area for picking up**

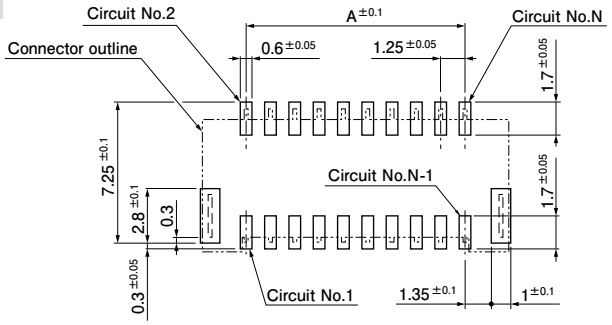
Specifications

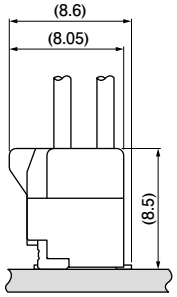
- Current rating: 1.25 A AC/DC (AWG #26)
  1.0 A AC/DC (AWG #28)
  0.8 A AC/DC (AWG #30)
- Voltage rating: 50 V AC/DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Contact resistance:
  Initial value/Top entry type: 30 mΩ max.
  Side entry type: 50 mΩ max
  After environmental tests/Top entry type: 50 mΩ max.
  Side entry type: 70 mΩ max
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable wire: Conductor size/ AWG #32 to #26
  Insulation O.D./ 0.4 to 1.0 mm

* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
* RoHS2 compliance
* Dimensional unit: mm
* Contact JST for details.

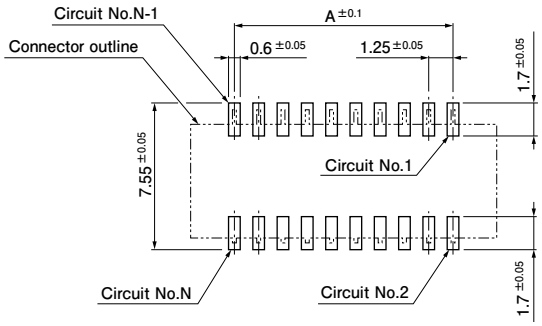
PC board layout and Assembly layout

Top entry type

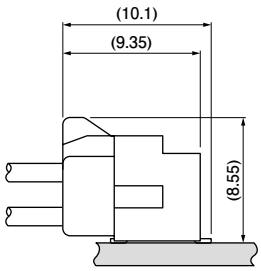




Side entry type

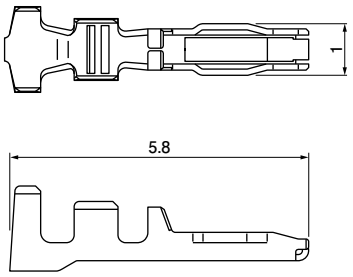


(Mating side faces to this side)



Note: 1. The above figure is the figure viewed from the connector mounting side
2. Tolerance for the centers of pattern on PCB is ± 0.05, and shall be not cumulative more than ± 0.1.
The dimensions above should serve as a guideline. Contact JST for details.

Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/reel
	mm²	AWG #		
SGHD-002T-C0.2A	0.05 to 0.13	30 to 26	0.76 to 1.0	25,000
SGHD-003T-C0.2A	0.032 to 0.08	32 to 28	0.4 to 0.8	28,000

Material and Finish
Copper alloy, tin-plated (reflow treatment)

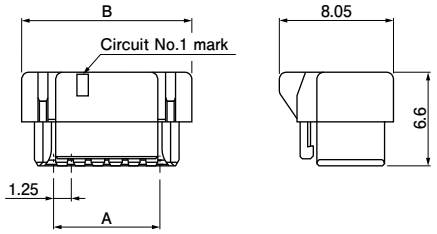
RoHS2 compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SGHD-002T-C0.2A	AP-K2N	MKS-L-10-3	MK/SSHL-002-02	APLMK SSHL002-02
SGHD-003T-C0.2A			MK/SGHD-003-02	APLMK SGHD003-02

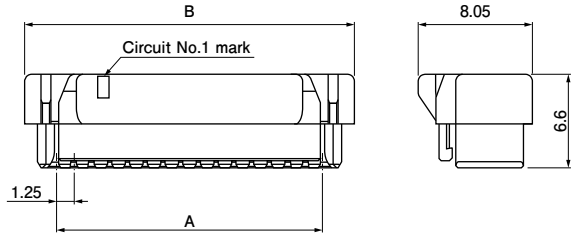
Note: Contact JST for fully automatic crimping applicator.

Housing

<10 to 30 circuits>



<32 to 40 circuits>



No. of circuits	Model No.	Dimensions (mm)		Q'ty/ bag
		A	B	
10	GHDR-10V-S-1 (F)	5.00	9.50	1,000
12	GHDR-12V-S-1 (F)	6.25	10.75	1,000
14	GHDR-14V-S-1 (F)	7.50	12.00	1,000
16	GHDR-16V-S-1 (F)	8.75	13.25	1,000
18	GHDR-18V-S-1 (F)	10.00	14.50	1,000
20	GHDR-20V-S-1 (F)	11.25	15.75	1,000
22	GHDR-22V-S-1 (F)	12.50	17.00	1,000
24	GHDR-24V-S-1 (F)	13.75	18.25	1,000
26	GHDR-26V-S-1 (F)	15.00	19.50	1,000
28	GHDR-28V-S-1 (F)	16.25	20.75	1,000
30	GHDR-30V-S-1 (F)	17.50	22.00	1,000
32	GHDR-32V-S-1 (F)	18.75	23.25	1,000
34	GHDR-34V-S-1 (F)	20.00	24.50	1,000
36	GHDR-36V-S-1 (F)	21.25	25.75	1,000
38	GHDR-38V-S-1 (F)	22.50	27.00	1,000
40	GHDR-40V-S-1 (F)	23.75	28.25	1,000

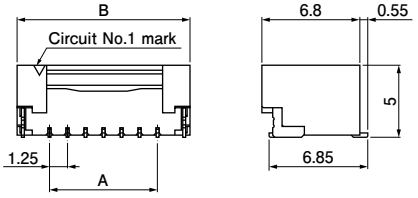
Material and Finish
PBT, UL94V-0, natural (white)

RoHS2 compliance

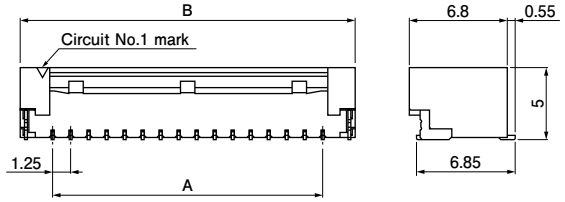
Header

Top entry type

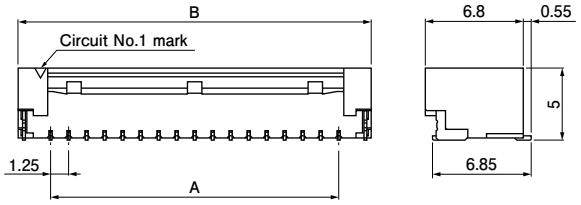
<10 to 14 circuits>



<16 to 32 circuits>



<34 to 40 circuits>



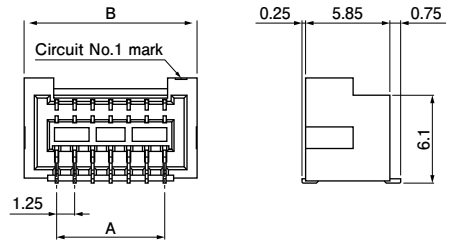
No. of circuits	Model No.	Dimensions (mm)		Q'ty/ reel
		A	B	
10	**BM10B-GHDS-TF**	5.00	9.50	1,250
12	**BM12B-GHDS-TF**	6.25	10.75	1,250
14	**BM14B-GHDS-TF**	7.50	12.00	1,250
16	**BM16B-GHDS-TF**	8.75	13.25	1,250
18	**BM18B-GHDS-TF**	10.00	14.50	1,250
20	**BM20B-GHDS-TF**	11.25	15.75	1,250
22	**BM22B-GHDS-TF**	12.50	17.00	1,250
24	**BM24B-GHDS-TF**	13.75	18.25	1,250
26	**BM26B-GHDS-TF**	15.00	19.50	1,250
28	**BM28B-GHDS-TF**	16.25	20.75	1,250
30	**BM30B-GHDS-TF**	17.50	22.00	1,250
32	**BM32B-GHDS-TF**	18.75	23.25	1,250
34	**BM34B-GHDS-TF**	20.00	24.50	1,250
36	**BM36B-GHDS-TF**	21.25	25.75	1,250
38	**BM38B-GHDS-TF**	22.50	27.00	1,250
40	**BM40B-GHDS-TF**	23.75	28.25	1,250

Material and Finish
Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment) Housing: PA 9T, UL94V-0, natural (ivory) Reinoforcement: Brass, copper-undercoated, tin-plated (reflow treatment)

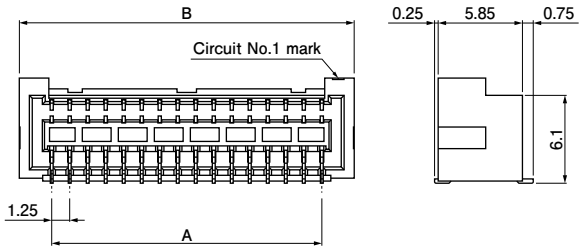
RoHS2 compliance This product displays (LF)(SN) on a label.

Side entry type

<10 to 14 circuits>



<16 to 40 circuits>



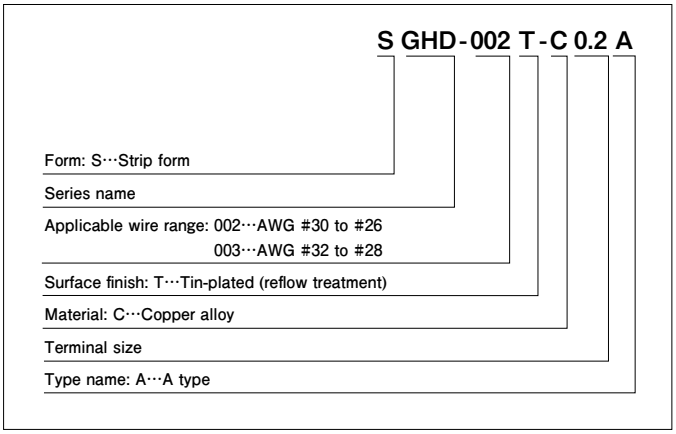
No. of circuits	Model No.	Dimensions (mm)		Q'ty/ reel
		A	B	
10	**SM10B-GHDS-A-TF**	5.00	9.50	900
12	**SM12B-GHDS-A-TF**	6.25	10.75	900
14	**SM14B-GHDS-A-TF**	7.50	12.00	900
16	**SM16B-GHDS-A-TF**	8.75	13.25	900
18	**SM18B-GHDS-A-TF**	10.00	14.50	900
20	**SM20B-GHDS-A-TF**	11.25	15.75	900
22	**SM22B-GHDS-A-TF**	12.50	17.00	900
24	**SM24B-GHDS-A-TF**	13.75	18.25	900
26	**SM26B-GHDS-A-TF**	15.00	19.50	900
28	**SM28B-GHDS-A-TF**	16.25	20.75	900
30	**SM30B-GHDS-A-TF**	17.50	22.00	900
32	**SM32B-GHDS-A-TF**	18.75	23.25	900
34	**SM34B-GHDS-A-TF**	20.00	24.50	900
36	**SM36B-GHDS-A-TF**	21.25	25.75	900
38	**SM38B-GHDS-A-TF**	22.50	27.00	900
40	**SM40B-GHDS-A-TF**	23.75	28.25	900

Material and Finish
Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment) Housing: PA 9T, UL94V-0, natural (ivory)

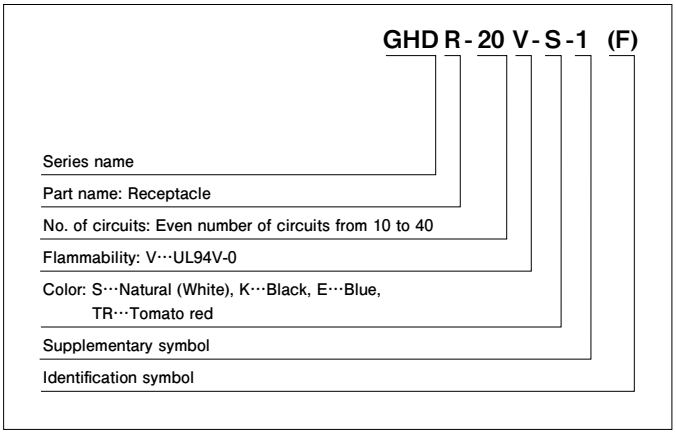
RoHS2 compliance This product displays (LF)(SN) on a label.

Model number allocation

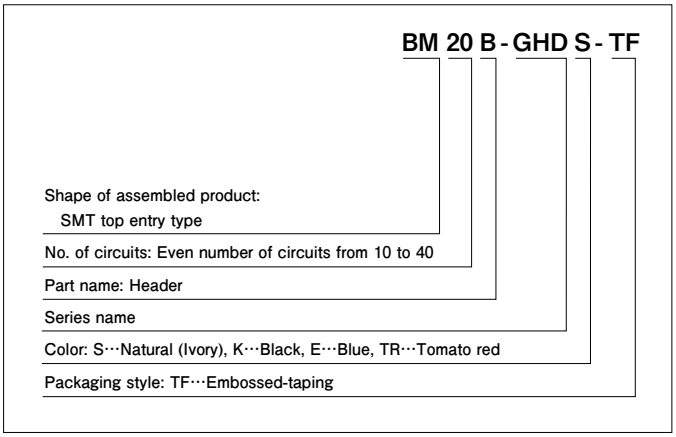
Contact



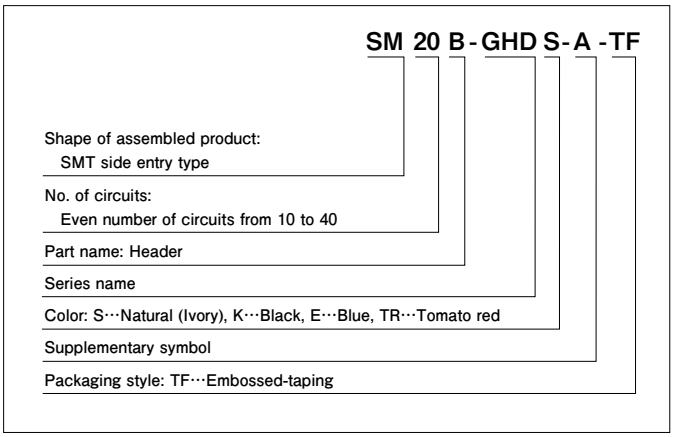
Housing



Header (Top entry type)



Header (Side entry type)



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JST:

8P-SAN HLP-03V SFKR-02V-S SJ2M-01GF-M1.0N XARP-05V XMS-03V SMR-10V-N XADRP-18V
RF-H102TD-1130 04P-SJN SRC-51T-M4 CZHR-14V-S SMP-10V-NC BM24B-ZPDSS-TF (LF)(SN)
PAP-16V-S SMR-02V-B WC-491 S02B-XASS-1 BM02B-NSHSS-TBT (LF)(SN) ELR-04V PUDP-34V-S
SJWPST-21T-M1.0N SM08B-NSHSS-TB(LF)(SN) SM09B-ZESS-TB (LF)(SN) BM02B-NSHSS-TBT
PSIP-10V-LE S7B-PH-K-S(LF)(SN) VLS-03V XMR-02V 04JQ-BT