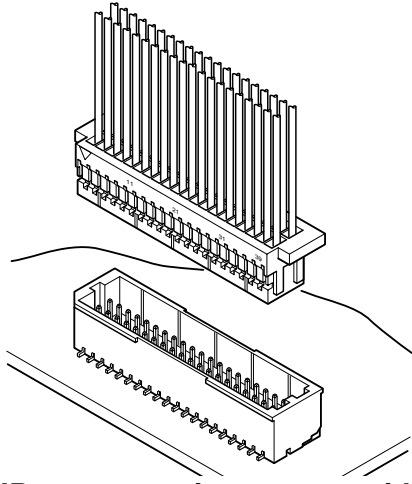# SHD CONNECTOR
1.0mm pitch/Disconnectable Crimp style connectors

The SHD connector is compact with a mounting height of 6.3mm for top entry type and 5.5mm for side entry type, and a width of 5.0mm for top entry type and 5.1mm for side entry type.

- **Compact, low profile design**
- **Anti-misinsertion feature**
- **Receptacles with protrusions**
- **Header designed for vacuum pick and place robotics**

Specifications ———————————————

- Current rating: 1.0 A AC, DC (AWG #28)
- Voltage rating: 50 V AC, DC
- Temperature range: -25˚C to +85˚C
   (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 mΩ max.
   After environmental tests/ 40 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 500 VAC/minute
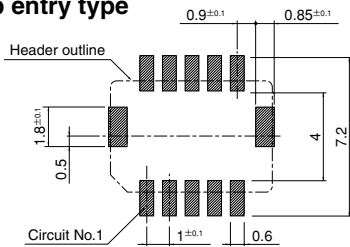- Applicable wire: Conductor size/ AWG #32 to #28
   Insulation O.D./ 0.4 to 0.8 mm

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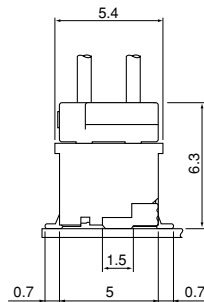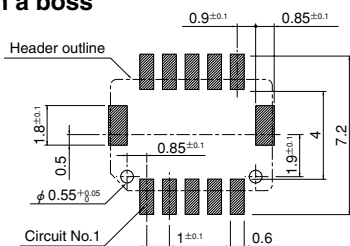* Contact JST for details.
* Compliant with RoHS.

Standards ———————————————

 Recognized E60389
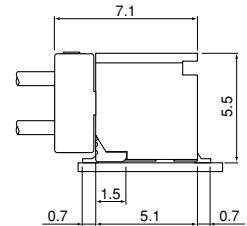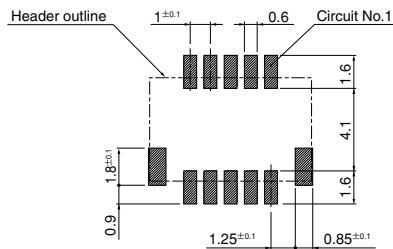
 Certified LR20812

PC board layout and Assembly layout

Top entry type

Header outline

$0.9^{\pm0.1}$ $0.85^{\pm0.1}$

$1.8^{\pm0.1}$ 0.5 4 7.2

Circuit No.1 $1^{\pm0.1}$ 0.6

with a boss

Header outline

$0.9^{\pm0.1}$ $0.85^{\pm0.1}$

$1.8^{\pm0.1}$ 0.5 $0.85^{\pm0.1}$ $1.9^{\pm0.1}$ 4 7.2

$\phi\,0.55^{+0.05}_{0}$

Circuit No.1 $1^{\pm0.1}$ 0.6

5.4

6.3

0.7 5 0.7

1.5

Side entry type

Header outline

$1^{\pm0.1}$ 0.6 Circuit No.1

$1.8^{\pm0.1}$ 1.6 4.1 1.6

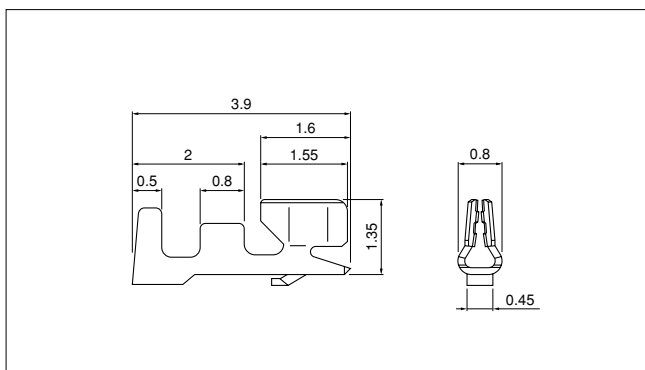0.9 $1.25^{\pm0.1}$ $0.85^{\pm0.1}$

7.1

5.5

0.7 5.1 0.7 1.5

Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ±0.05 mm for all centers.
3. The dimensions above should serve as a guideline. Contact JST for details.

Contact

3.9 1.6 2 1.55 0.5 0.8 0.8 1.35 0.45

Model No.	Applicable wire			Q'ty/ reel
	mm²	AWG#	Insulation O.D. (mm)	
SSH-003GA-P0.2	0.032~0.08	32~28	0.4~0.8	23,000

Material and Finish
Phosphor bronze, nickel-undercoated, Mating part; gold-plated

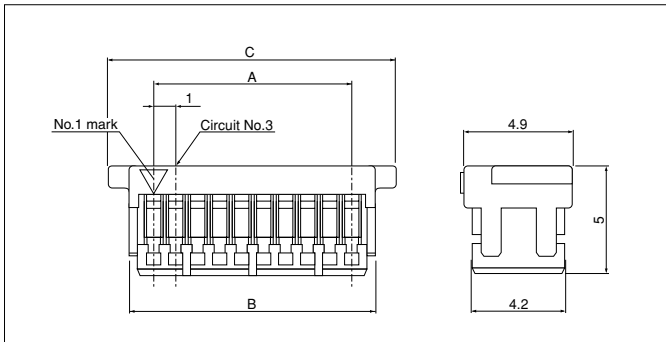***RoHS compliance***
Note: Contact JST for tin-plated products.

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SSH-003GA-P0.2	AP-K2N	MKS-L-10-3	MK/SSH/L-003-02	APLMK SSH/L003-02
		*MKS-SC	SC/SSH/L-003-02	APLSC SSH/L003-02

Note: *Strip-crimp applicator
Contact JST for applicable wires in case that it is not usable due to wire size.

SHD CONNECTOR

Circuits	Model No.	Dimensions (mm)			Q'ty/box
		A	B	C	
20	**SHDR-20V-S-B**	9.0	11.2	13.0	4,000
30	**SHDR-30V-S-B**	14.0	16.2	18.0	4,000
40	**SHDR-40V-S-B**	19.0	21.2	23.0	2,000
50	**SHDR-50V-S-B**	24.0	26.2	28.0	2,000

Material
PBT, UL94V-0, natural (white)

RoHS compliance

Shrouded header

Top entry type

Side entry type

Circuits	Model No.	Dimensions (mm)		Q'ty/reel
	Top entry type	A	B	
20	**BM20B-SRDS-G-TF**	9.0	12.3	1,500
30	**BM30B-SRDS-G-TF**	14.0	17.3	1,500
40	**BM40B-SRDS-G-TF**	19.0	22.3	1,500
50	**BM50B-SRDS-G-TF**	24.0	27.3	1,500

Circuits	Model No.	Dimensions (mm)		Q'ty/reel
	Side entry type	A	B	
20	**SM20B-SRDS-G-TF**	9.0	13.1	1,250
30	**SM30B-SRDS-G-TF**	14.0	18.1	1,250
40	**SM40B-SRDS-G-TF**	19.0	23.1	1,250
50	**SM50B-SRDS-G-TF**	24.0	28.1	1,250

Material and Finish
Header contact: Phosphor bronze, nickel-undercoated, gold-plated Wafer: PA, UL94V-0, natural (ivory) Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance *This product displays (LF)(SN) on a label.*
Note: 1. The products listed above are supplied on embossed-tape.
2. Contact JST for the headers with tin-plated pins.
3. Contact JST for the top entry type headers with suction cap.

Top entry type with a boss
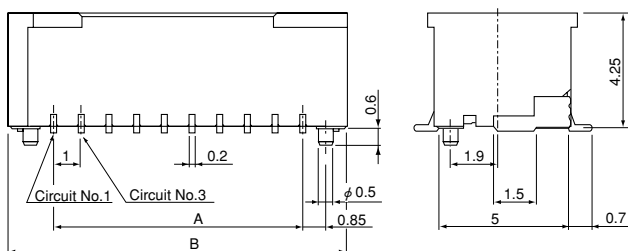
Circuits	Model No.	Dimensions (mm)		Q'ty/reel
		A	B	
20	**BM20B-SRDS-A-G-TF**	9.0	12.3	1,250
30	**BM30B-SRDS-A-G-TF**	14.0	17.3	1,250
40	**BM40B-SRDS-A-G-TF**	19.0	22.3	1,250
50	**BM50B-SRDS-A-G-TF**	24.0	27.3	1,250

Material and Finish
Header contact: Phosphor bronze, nickel-undercoated, gold-plated Wafer: PA, UL94V-0, natural (ivory) Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance *This product displays (LF)(SN) on a label.*
Note: 1. The products listed above are supplied on embossed-tape.
2. Contact JST for the headers with tin-plated pins.

单击下面可查看定价，库存，交付和生命周期等信息

>>JST(杰世腾)