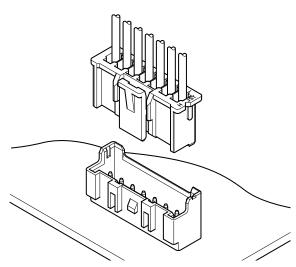






### 2.5 mm pitch/Disconnectable Crimp style connectors



- Secure locking device
- Solder crack preventive material
- Low insertion force
- Insertion guide mechanism
- Applicable to automatic board mounting machine
- Polarizing boss

# Specifications -

- Current rating: 3 A AC/DC (AWG #22, #20)
- Voltage rating: 250 V AC/DC
- Temperature range: -25℃ to +85℃

(including temperature rise in applying

electrical current)

• Contact resistance: Initial value/  $10 \text{ m}\Omega$  max.

After environmental tests/ 20 m $\Omega$  max.

- Insulation resistance: 1,000 M $\Omega$  min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AWG #28 to #20
- · Applicable PC board thickness: 1.6 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.

#### Standards -

- Recognized E 60389
- © Certified LR 20812
- △ R9851220

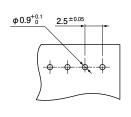
#### PC board layout and Assembly layout

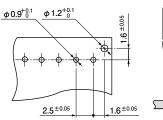
#### <Through-hole type>

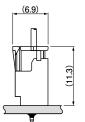
Top entry type

without a boss

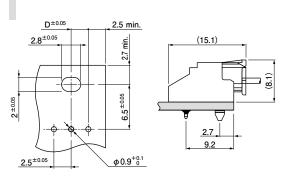
with a boss





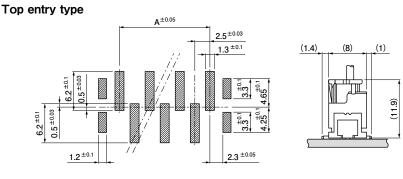


#### Side entry type



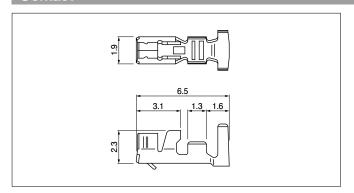
Dimension D: Refer to the Model No. chart of header side entry type.

<SMT type>



- 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.
  - Hole dimensions differ according to the type of PC board and piercing method.The dimensions above should serve as a guideline. Contact JST for details.

#### Contact



Madal No		04./		
Model No.	mm <sup>2</sup>	AWG #	Insulation O.D. (mm)	Q'ty/reel
SXA-001T-P0.6	0.08~0.33	28~22	0.8~1.9	8,000
SXA-01T-P0.6	0.22~0.5	24~20	1.5~1.9	8,000
SXA-001T-P0.6L	0.13~0.33	26~22	1.3~1.7	8,000

#### Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

#### RoHS2 compliance

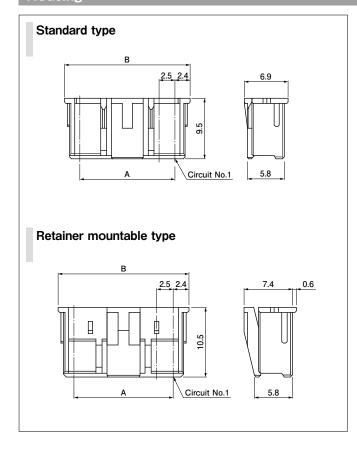
Note: 1. SXA-001T-P0.6L is low-insertion force type contact, for easier insertion/withdrawal, which would be less resistant to the vibration. The crimp height is different from the standard contact.

2. Contact JST for gold-plated products.

Contact	Crimping		Applicator	
		Crimp applicator	Dies	Crimp applicator with dies
SXA-001T-P0.6			MK/SXA/M-001-06	APLMK SXA/M001-06
SXA-01T-P0.6	AP-K2N	MKS-L	MK/SXA/M-01-06	APLMK SXA/M01-06
SXA-001T-P0.6L	]		MK/SXA/M-001-06L	APLMK SXA/M001-06L

Note: Contact JST for fully automatic crimping applicator.

#### Housing



	Model No.		Dimensio	Dimensions (mm)		Q'ty/bag	
No. of circuits	Standard type	Retainer mountable type	Α	В	Standard type	Retainer mountable type	
2	XAP-02V-1	XARP-02V	2.5	7.3	1,000	1,000	
3	XAP-03V-1	XARP-03V	5.0	9.8	1,000	1,000	
4	XAP-04V-1	XARP-04V	7.5	12.3	1,000	1,000	
5	XAP-05V-1	XARP-05V	10.0	14.8	1,000	1,000	
6	XAP-06V-1	XARP-06V	12.5	17.3	1,000	1,000	
7	XAP-07V-1	XARP-07V	15.0	19.8	1,000	1,000	
8	XAP-08V-1	XARP-08V	17.5	22.3	1,000	1,000	
9	XAP-09V-1	XARP-09V	20.0	24.8	1,000	1,000	
10	XAP-10V-1	XARP-10V	22.5	27.3	1,000	1,000	
11	XAP-11V-1	XARP-11V	25.0	29.8	1,000	1,000	
12	XAP-12V-1	XARP-12V	27.5	32.3	1,000	1,000	
13	XAP-13V-1	XARP-13V	30.0	34.8	1,000	1,000	
14	XAP-14V-1	XARP-14V	32.5	37.3	500	1,000	
15	XAP-15V-1	XARP-15V	35.0	39.8	500	1,000	
18	_	XARP-18V	42.5	47.3	-	500	
20	XAP-20V-1	_	47.5	52.3	500		

#### Material and Finish

PA 66, UL94V-0, natural (white)

#### RoHS2 compliance

<For reference> As the color identification, the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

<Standard type>

#### ex. XAP-02V-1-<u>oo</u>

(blank)...natural (white)

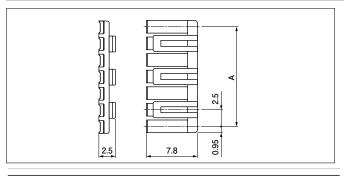
<Retainer mountable type>

#### ex. XARP-02V-oo

(blank)...natural (white)

K...black R...red E...blue L...lemon yellow

#### Retainer

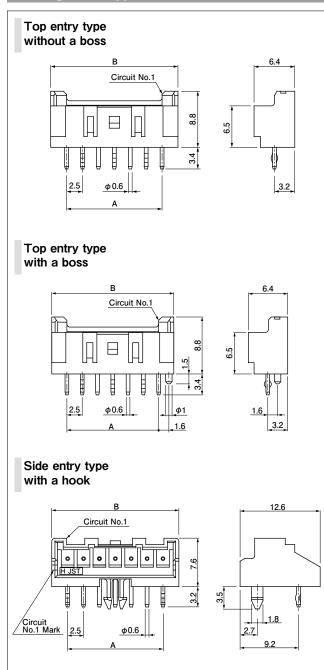


Material and Finish
Glass-filled PA 66, UL94V-0, natural (ivory)

RoHS2 compliance

#### Q'ty/bag Model No. circuits XMS-02V 1,000 2 2.5 1,000 3 XMS-03V 5.0 4 XMS-04V 7.5 1,000 5 XMS-05V 10.0 1.000 6 XMS-06V 12.5 1,000 XMS-07V 7 15.0 1.000 8 XMS-08V 17.5 1,000 XMS-09V 9 20.0 1,000 10 XMS-10V 1,000 22.5 11 XMS-11V 25.0 1.000 12 XMS-12V 1,000 27.5 13 XMS-13V 30.0 1,000 XMS-14V 14 32.5 1.000 15 XMS-15V 1,000

#### Through-hole type shrouded header



	Mode	el No.	Dimensions (mm)			
No. of circuits	Top en	try type			Q'ty/box	
Onound	Without a boss	With a boss	A	В		
2	B02B-XASK-1	B02B-XASK-1-A	2.5	7.5	1,000	
3	B03B-XASK-1	B03B-XASK-1-A	5.0	10.0	400	
4	B04B-XASK-1	B04B-XASK-1-A	7.5	12.5	400	
5	B05B-XASK-1	B05B-XASK-1-A	10.0	15.0	400	
6	B06B-XASK-1	B06B-XASK-1-A	12.5	17.5	400	
7	B07B-XASK-1	B07B-XASK-1-A	15.0	20.0	250	
8	B08B-XASK-1	B08B-XASK-1-A	17.5	22.5	250	
9	B09B-XASK-1	B09B-XASK-1-A	20.0	25.0	250	
10	B10B-XASK-1	B10B-XASK-1-A	22.5	27.5	250	
11	B11B-XASK-1	B11B-XASK-1-A	25.0	30.0	200	
12	B12B-XASK-1	B12B-XASK-1-A	27.5	32.5	200	
13	B13B-XASK-1	B13B-XASK-1-A	30.0	35.0	100	
14	B14B-XASK-1	B14B-XASK-1-A	32.5	37.5	100	
15	B15B-XASK-1	B15B-XASK-1-A	35.0	40.0	100	
20	B20B-XASK-1	B20B-XASK-1-A	47.5	52.5	100	

#### Material and Finish

Pin: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PA 66, UL94V-0, natural (ivory)

RoHS2 compliance This product displays (LF)(SN) on a label. Note: Contact JST for gold-plated products.

11010.	Note. Contact 331 for gold-plated products.					
No. of	Model No.	Dim	Dimensions (mm)			
circuits	Side entry type with a hook	Α	В	D	Q'ty/box	
2	S02B-XASS-1	2.5	7.5	1.25	250	
3	S03B-XASK-1	5.0	10.0	2.50	250	
4	S04B-XASK-1	7.5	12.5	3.75	200	
5	S05B-XASK-1	10.0	15.0	5.00	200	
6	S06B-XASK-1	12.5	17.5	6.25	200	
7	S07B-XASK-1	15.0	20.0	7.50	200	
8	S08B-XASK-1	17.5	22.5	8.75	100	
9	S09B-XASK-1	20.0	25.0	10.00	100	
10	S10B-XASK-1	22.5	27.5	11.25	100	
11	S11B-XASK-1	25.0	30.0	12.50	100	
12	S12B-XASK-1	27.5	32.5	13.75	100	
13	S13B-XASK-1	30.0	35.0	15.00	100	
14	S14B-XASK-1	32.5	37.5	16.25	100	

#### Material and Finish

Pin: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PA 66, UL94V-0, natural (ivory)

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

Note: 1. Dimension D...See PC board layout.

2. Contact JST for gold-plated products.

<For reference> As the color identification,

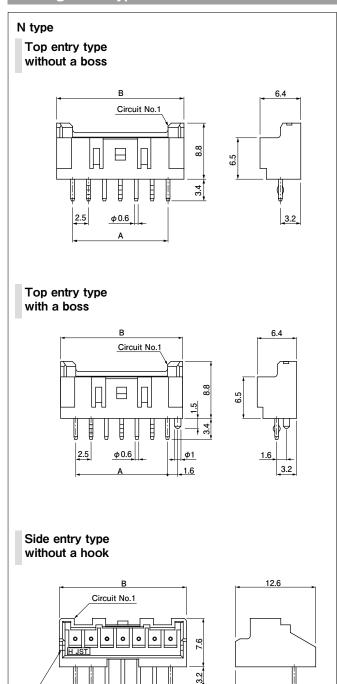
the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

ex. S02B-XASK-1

S...natural (ivory)

K...black R...red E...blue M...green Y...yellow

#### Through-hole type shrouded header



No. of	Model No.		Dimensions (mm)		
circuits	Top en	try type			Q'ty/box
	Without a boss	With a boss	Α	В	
2	B02B-XASK-1N	B02B-XASK-1N-A	2.5	7.5	1,000
3	B03B-XASK-1N	B03B-XASK-1N-A	5.0	10.0	400
4	B04B-XASK-1N	B04B-XASK-1N-A	7.5	12.5	400
5	B05B-XASK-1N	B05B-XASK-1N-A	10.0	15.0	400
6	B06B-XASK-1N	B06B-XASK-1N-A	12.5	17.5	400
7	B07B-XASK-1N	B07B-XASK-1N-A	15.0	20.0	250
8	B08B-XASK-1N	B08B-XASK-1N-A	17.5	22.5	250
9	B09B-XASK-1N	B09B-XASK-1N-A	20.0	25.0	250
10	B10B-XASK-1N	B10B-XASK-1N-A	22.5	27.5	250
11	B11B-XASK-1N	B11B-XASK-1N-A	25.0	30.0	200
12	B12B-XASK-1N	B12B-XASK-1N-A	27.5	32.5	200
13	B13B-XASK-1N	B13B-XASK-1N-A	30.0	35.0	100
14	B14B-XASK-1N	B14B-XASK-1N-A	32.5	37.5	100
15	B15B-XASK-1N	B15B-XASK-1N-A	35.0	40.0	100
18	B18B-XASK-1N	_	42.5	47.5	100

#### Material and Finish

Pin: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PA 66, UL94V-0, natural (white)

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

<For reference> As the color identification,

the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

#### ex. B02B-XASK-1N-A

S...natural (white)

K...black R...red E...blue Y...yellow L...lemon yellow M...green O...orange N...brown H...gray P...purple LE...light blue PK...pink FY...vivid yellow

No. of	Model No.	Dimensio	Q'ty/box	
circuits	Side entry type without a hook	Α	В	Q ty/box
2	S02B-XASS-1N-BN	2.5	7.5	250
3	S03B-XASS-1N-BN	5.0	10.0	250
4	S04B-XASS-1N-BN	7.5	12.5	200
5	S05B-XASS-1N-BN	10.0	15.0	200
6	S06B-XASS-1N-BN	12.5	17.5	200
7	S07B-XASS-1N-BN	15.0	20.0	200
8	S08B-XASS-1N-BN	17.5	22.5	100
9	S09B-XASS-1N-BN	20.0	25.0	100
10	S10B-XASS-1N-BN	22.5	27.5	100
11	S11B-XASS-1N-BN	25.0	30.0	100
12	S12B-XASS-1N-BN	27.5	32.5	100
13	S13B-XASS-1N-BN	30.0	35.0	100
14	S14B-XASS-1N-BN	32.5	37.5	100

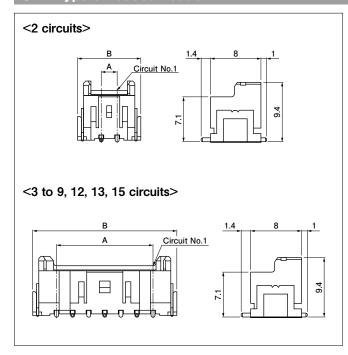
#### Material and Finish

Pin: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PA 66, UL94V-0, natural (white)

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

Note: 1. As for side entry type, we recommend to use a product with a boss (hook) because stress is applied directly to fillet part when handling the wire. When using the side entry type product without a boss (hook), please handle the wire with care.

#### SMT type shrouded header



No. of	Model No.	Dimensio	ns (mm)	Q'tv/reel
circuits	Top entry type	Α	В	Q ty/reer
2	BM02B-XASS-TF	2.5	10.0	500
3	BM03B-XASS-TF	5.0	12.5	500
4	BM04B-XASS-TF	7.5	15.0	500
5	BM05B-XASS-TF	10.0	17.5	500
6	BM06B-XASS-TF	12.5	20.0	500
7	BM07B-XASS-TF	15.0	22.5	500
8	BM08B-XASS-TF	17.5	25.0	500
9	BM09B-XASS-TF	20.0	27.5	500
12	BM12B-XASS-TF	27.5	35.0	500
13	BM13B-XASS-TF	30.0	37.5	500
15	BM15B-XASS-TF	35.0	42.5	500

#### Material and Finish

Pin: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: PA, UL94V-0, natural

Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

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

<For reference> As the color identification, the following alphabet shall be put in the underlined part.

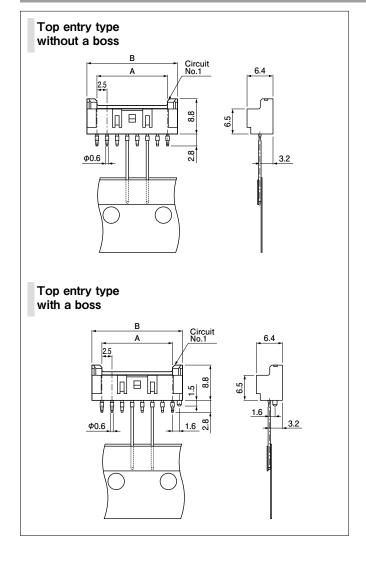
For availability, delivery and minimum order quantity, contact JST.

ex. BM02B-XASS-TF

S...natural

K...black R...red E...blue

#### Through-hole type shrouded header on radial-tape



No. of	Mode	el No.	Dimensions (mm)		Q'ty/box
circuits	Top entry type without a boss	Top entry type with a boss	Α	В	Q ty/box
2	B02B-XASS-1-T	ı	2.5	7.5	1,000
3	B03B-XASS-1-T	B03B-XASS-1-A-T	5.0	10.0	1,000
4	B04B-XASS-1-T	B04B-XASS-1-A-T	7.5	12.5	500
5	B05B-XASS-1-T	B05B-XASS-1-A-T	10.0	15.0	500
6	B06B-XASS-1-T	B06B-XASS-1-A-T	12.5	17.5	500
7	B07B-XASS-1-T	B07B-XASS-1-A-T	15.0	20.0	500
8	B08B-XASS-1-T	B08B-XASS-1-A-T	17.5	22.5	500

#### Material and Finish

Pin: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PA 66, UL94V-0, natural (ivory)

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

<For reference> As the color identification,

the following alphabet shall be put in the underlined part.

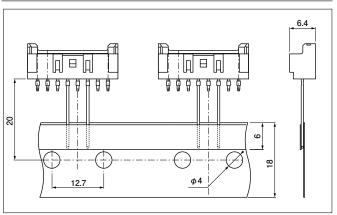
For availability, delivery and minimum order quantity, contact JST.

ex. B03B-XASS-1-A-T

S...natural (ivory)

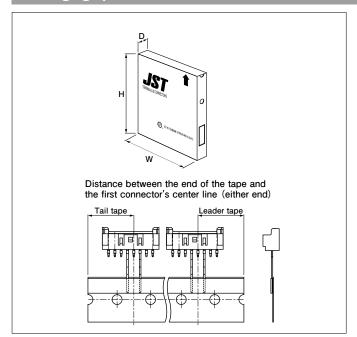
R...red E...blue M...green

#### Taping specifications



Note: Conforms to JIC C 0806 of "Tape packaging of components with unidirectional leads on continuous tapes".

## Packaging specifications



Package type		Flat pack (zigzag folded)
Distance between folds		24 indexing holes per fold (304.8 mm)
Box size		$316(W) \times 45(D) \times 330(H) \text{ mm}$
Distance between the end of the tape and the first connector's center line (either end)		19.05 mm
Quantity	2, 3 circuits	1,000 pcs./box
Quantity	4 to 8 circuits	500 pcs./box

Note: Products of different packaging specifications are also available. Contact JST for details.