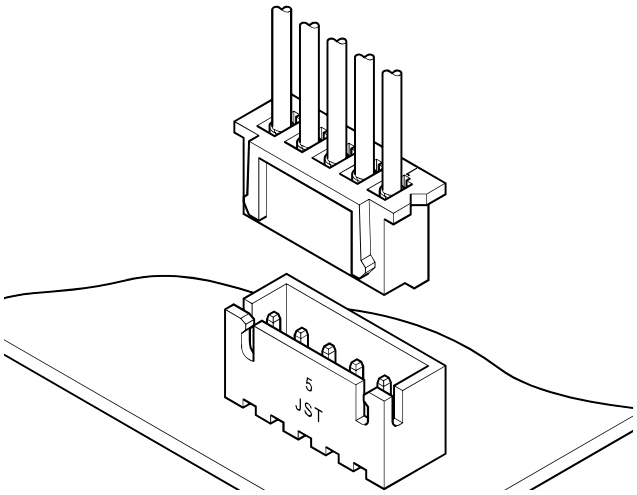


XH CONNECTOR

Emboss Tape | Radial Tape

2.5mm pitch/Disconnectable Crimp style connectors



The XH connector was developed based on the high reliability and versatility of our NH series connectors. The connector is very small with a mounting height of 9.8mm.

- ***Original folded beam contact***
- ***Box-shaped shrouded header***
- ***Header with a boss***
- ***Interchangeability***
- ***Conforming to the HA terminal***

Specifications

- Current rating: 3A AC, DC (AWG #22)
- Voltage rating: 250V AC, DC
- Temperature range: -25˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
  After environmental tests/ 20 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage: 1,000 V AC/minute
- Applicable wire: AWG #30 to #22
- Applicable PC board thickness: 1.6 mm

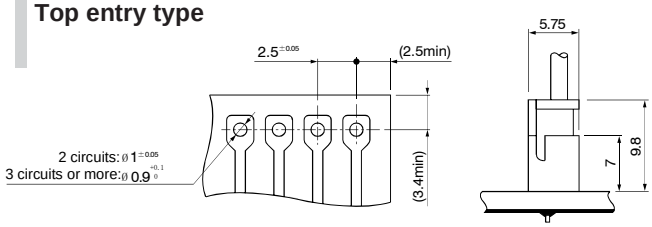
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.
* Compliant with RoHS.

Standards

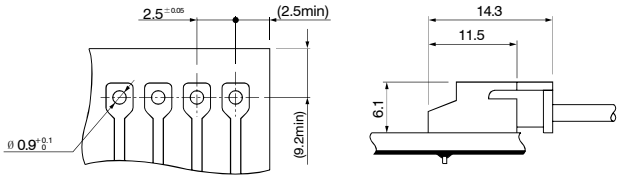
Recognized E60389
Certified LR20812
J50014297

Through-hole type (viewed from soldering side)

Top entry type

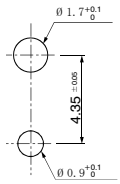


Side entry type

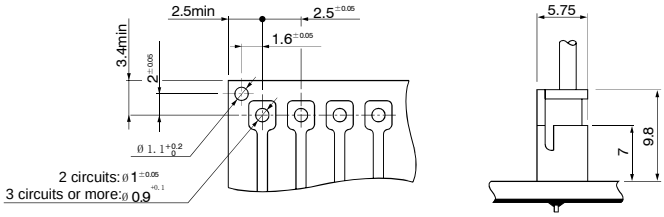


Top entry type with a boss

(Single circuit)



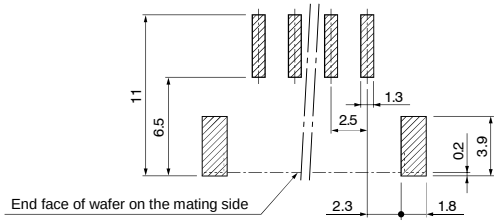
(2 circuits or more)



Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.
2. Hole dimensions differ according to the type of PC board and piercing method. If PC boards made of hard material are used, the hole dimensions should be larger. The dimensions above should serve as a guideline. Contact JST for details.

SMT type (viewed from component side)

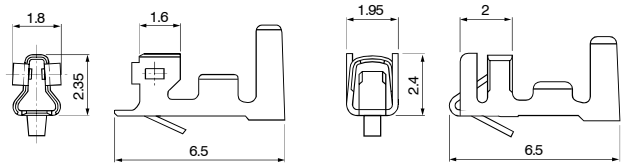
Side entry type



Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.
2. The dimensions above should serve as a guideline. Contact JST for details.

Contact

●Shape A ●Shape B



Model No.	Shape	Applicable Wire		Insulation O.D (mm)	Q'ty / reel
		mm^2	AWG#		
SXH-001T-P0.6N	A	0.13~0.33	26~22	1.3~1.9	5,000
SXH-001T-P0.6	B	0.08~0.33	28~22	0.9~1.9	8,000
SXH-002T-P0.6		0.05~0.13	30~26	0.9~1.3	

Material and Finish
Phosphor bronze, tin-plated (reflow

RoHS compliance

Note:

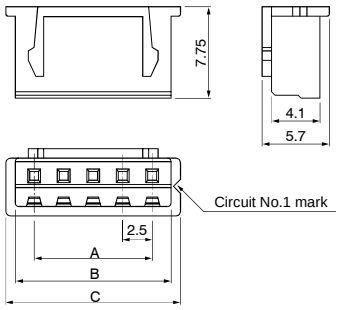
1. Contact JST if you require gold-plated contacts or contacts made of brass.
2. Contact JST also if you require shielded wires, thin wires or other special wires.
3. SXH-001T-P0.6N is low-insertion force type contact, for easier insertion/ withdrawal, which would be less resistant to the vibration.

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SXH-001T-P0.6N	AP-K2N	MKS-L	MK/SXH-001-06N	APLMK SXH001-06N
		*MKS-SC	SC/SXH-001-06N	APLSC SXH001-06N
SXH-001T-P0.6		MKS-L	MK/SXH-001-06	APLMK SXH001-06
		*MKS-SC	SC/SXH-001-06	APLSC SXH001-06

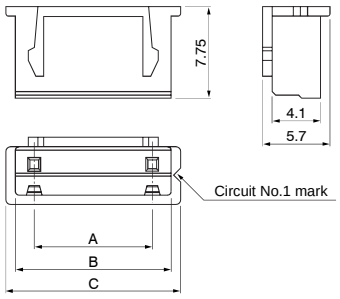
*Note: *Strip-crimp applicator*

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SXH-002T-P0.6	AP-K2N	MKS-L	MK/SXH-002-06	APLMK SXH002-06
		*MKS-SC	SC/SXH-002-06	APLSC SXH002-06

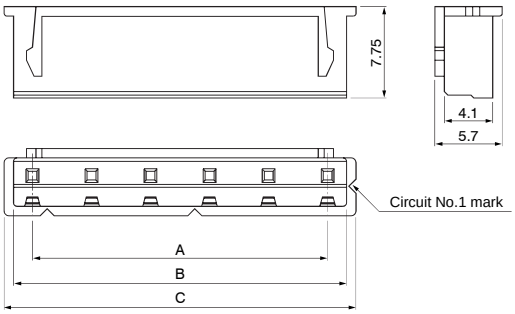
Housing



Plugged up
(2 circuits 10.0mm pitch)



(6 circuits 5.0mm pitch)



Circuits	Model No.	Dimensions (mm)			Q'ty / bag
		A	B	C	
1	**XHP-1**	-	3.2	4.8	1,000
2	**XHP-2**	2.5	5.7	7.3	1,000
2	**XHP-2(10.0)-U**	10.0	13.2	14.8	1,000
3	**XHP-3**	5.0	8.2	9.8	1,000
4	**XHP-4**	7.5	10.7	12.3	1,000
5	**XHP-5**	10.0	13.2	14.8	1,000
6	**XHP-6**	12.5	15.7	17.3	1,000
6	**XHP-6(5.0)-U**	25.0	28.2	29.8	1,000
7	**XHP-7**	15.0	18.2	19.8	1,000
8	**XHP-8**	17.5	20.7	22.3	1,000
9	**XHP-9**	20.0	23.2	24.8	1,000
10	**XHP-10**	22.5	25.7	27.3	1,000
11	**XHP-11**	25.0	28.2	29.8	1,000
12	**XHP-12**	27.5	30.7	32.3	1,000
13	**XHP-13**	30.0	33.2	34.8	1,000
14	**XHP-14**	32.5	35.7	37.3	1,000
15	**XHP-15**	35.0	38.2	39.8	1,000
16	**XHP-16**	37.5	40.7	42.3	1,000
20	**XHP-20**	47.5	50.7	52.3	500

Material
PA 6, UL94V-0, natural (white)

RoHS compliance

Note:

1. XHP-2(10.0)-U is 2 circuits 10.0mm pitch plugged up. Not UL/CSA/TÜV approved.
2. XHP-6(5.0)-U is 6 circuits 5.0mm pitch plugged up. Not UL/CSA/TÜV approved.

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

ex. **XHP-1-oo**
(blank)…natural (white)
BK…black R…red E…blue Y…yellow L…lemon yellow
M…green D…orange N…brown FY…vivid yellow

<Plugged up type>

ex. **XHP-2(10.0)-U-oo**
(blank)…natural (white)
R…red E…blue

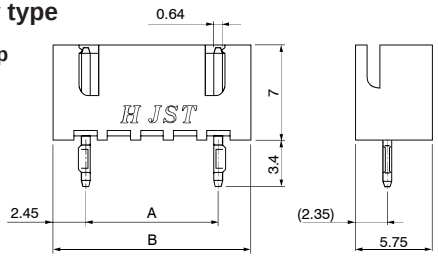
XH CONNECTOR

Through-hole type shrouded header

The shrouded headers are interchangeable with those of the NR and NRD insulation displacement connectors, and JQ board-to-board connectors.

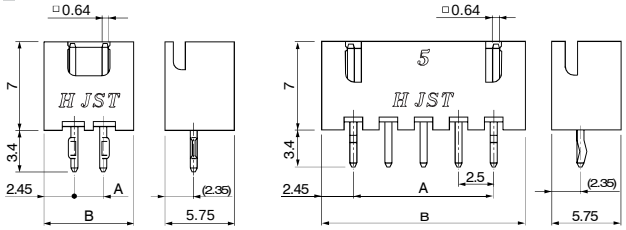
Top entry type

plugged up

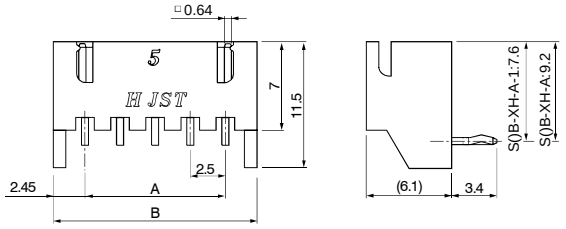


Top entry type

(2 circuits) **(3 circuits or more)**



Side entry type



Circuits	Model No.			Dimensions (mm)		Q'ty / box	
	Top Entry Type	Side Entry Type		A	B	Top Entry Type	Side Entry Type
2	**B2B-XH-A**	**S2B-XH-A-1**	**S2B-XH-A**	2.5	7.4	1,000	1,000
2	**B2(10.0)B-XH-A-U**	-	-	10.0	14.9	1,000	–
3	**B3B-XH-A**	**S3B-XH-A-1**	**S3B-XH-A**	5.0	9.9	1,000	1,000
4	**B4B-XH-A**	**S4B-XH-A-1**	**S4B-XH-A**	7.5	12.4	500	500
5	**B5B-XH-A**	**S5B-XH-A-1**	**S5B-XH-A**	10.0	14.9	500	500
6	**B6B-XH-A**	**S6B-XH-A-1**	**S6B-XH-A**	12.5	17.4	500	500
7	**B7B-XH-A**	**S7B-XH-A-1**	**S7B-XH-A**	15.0	19.9	500	250
8	**B8B-XH-A**	**S8B-XH-A-1**	**S8B-XH-A**	17.5	22.4	250	250
9	**B9B-XH-A**	**S9B-XH-A-1**	**S9B-XH-A**	20.0	24.9	250	250
10	**B10B-XH-A**	**S10B-XH-A-1**	**S10B-XH-A**	22.5	27.4	250	250
11	**B11B-XH-A**	**S11B-XH-A-1**	**S11B-XH-A**	25.0	29.9	250	250
12	**B12B-XH-A**	**S12B-XH-A-1**	**S12B-XH-A**	27.5	32.4	250	200
13	**B13B-XH-A**	**S13B-XH-A-1**	**S13B-XH-A**	30.0	34.9	250	200
14	**B14B-XH-A**	**S14B-XH-A-1**	**S14B-XH-A**	32.5	37.4	250	200
15	**B15B-XH-A**	**S15B-XH-A-1**	**S15B-XH-A**	35.0	39.9	250	100
16	**B16B-XH-A**	-	**S16B-XH-A**	37.5	42.4	200	100
20	**B20B-XH-A**	-	-	47.5	52.4	100	–

Material and Finish

Post: Brass, copper-undercoated, tin-plated (reflow treatment)
Wafer: PA 66, UL94V-0, natural (white)

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

Note: B2(10.0)B-XH-A-U is 2 circuits 10.0mm pitch plugged up.
Not UL/CSA/TÜV approved.

<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.

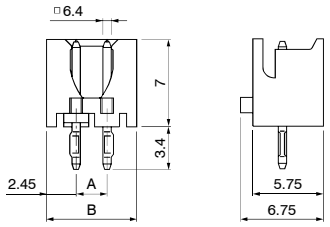
ex. **S3B-XH-A(-1)-oo**

(blank)…natural (white)
BK…black R…red E…blue Y…yellow L…lemon yellow
M…green D…orange N…brown FY…vivid yellow

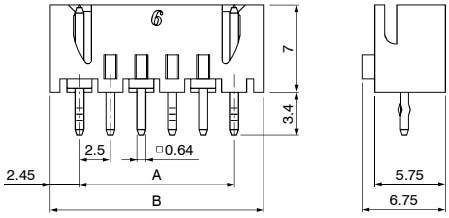
Through-hole type shrouded header

Top entry type of glass-filled nylon

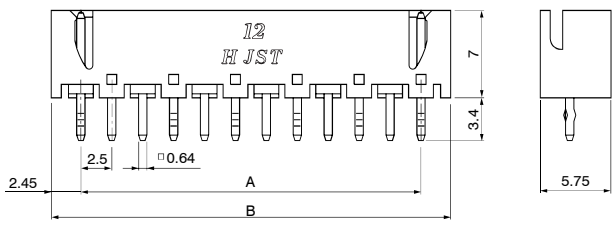
(2 circuits)



(3 to 8 circuits)



(9 circuits or more)



Circuits	Model No.	Dimensions (mm)		Q'ty / bag
		A	B	
2	**B2B-XH-2**	2.5	7.4	1,000
3	**B3B-XH-2**	5.0	9.9	1,000
4	**B4B-XH-2**	7.5	12.4	500
5	**B5B-XH-2**	10.0	14.9	500
6	**B6B-XH-2**	12.5	17.4	500
7	**B7B-XH-2**	15.0	19.9	500
8	**B8B-XH-2**	17.5	22.4	250
9	**B9B-XH-2**	20.0	24.9	250
10	**B10B-XH-2**	22.5	27.4	250
11	**B11B-XH-2**	25.0	29.9	250
12	**B12B-XH-2**	27.5	32.4	250
13	**B13B-XH-2**	30.0	34.9	250
14	**B14B-XH-2**	32.5	37.4	250
15	**B15B-XH-2**	35.0	39.9	250

Material and Finish

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

RoHS 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. **B2B-XH-2-oo**

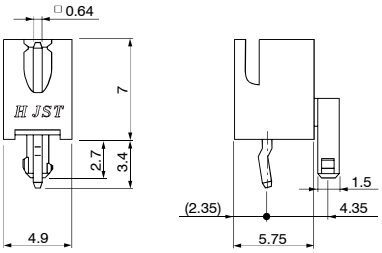
(blank)…natural (ivory)
C…black R…red E…blue Y…yellow M…green

Through-hole type shrouded header

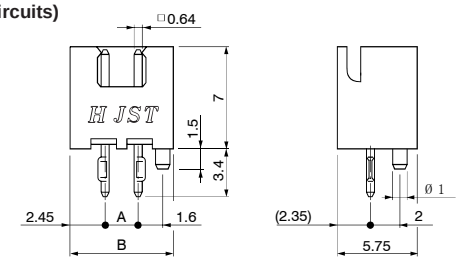
The shrouded headers are interchangeable with those of the NR and NRD insulation displacement connectors, and JQ board-to-board connectors.

Top entry type with a boss

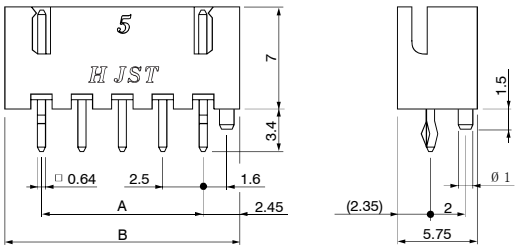
(1 circuit)



(2 circuits)



(3 circuits or more)



Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
1	***B1B-XH-AM**	-	-	1,000
2	**B2B-XH-AM**	2.5	7.4	1,000
3	**B3B-XH-AM**	5.0	9.9	1,000
4	**B4B-XH-AM**	7.5	12.4	500
5	**B5B-XH-AM**	10.0	14.9	500
6	**B6B-XH-AM**	12.5	17.4	500
7	**B7B-XH-AM**	15.0	19.9	500
8	**B8B-XH-AM**	17.5	22.4	250
9	**B9B-XH-AM**	20.0	24.9	250
10	**B10B-XH-AM**	22.5	27.4	250
12	**B12B-XH-AM**	27.5	32.4	250

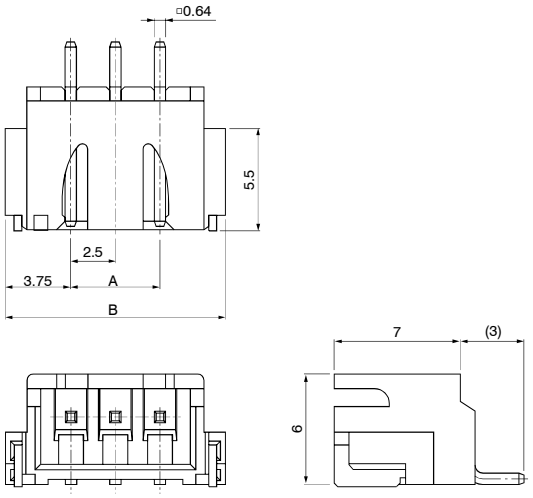
Material and Finish
Post: Brass, copper-undercoated, tin-plated (reflow treatment) Wafer: PA 66, UL94V-0, natural (white)

RoHS compliance *This product displays (LF)(SN) on a label.*
*Note: *Marked product is not UL/CSA/TÜV approved.*

<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. **B1B-XH-AM-oo**
(blank)…natural (white)
BK…black R…red E…blue Y…yellow L…lemon yellow M…green

SMT type shrouded header



Circuits	Model No.	Dimensions (mm)		Q'ty / reel
		A	B	
3	**S3B-XH-SM4-TB**	5.0	12.5	500
4	**S4B-XH-SM4-TB**	7.5	15.0	500
6	**S6B-XH-SM4-TB**	12.5	20.0	500

Material and Finish
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: PA 6T, UL94V-0, natural (ivory) Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance *This product displays (LF)(SN) on a label.*
Note: The products listed above are supplied on embossed-tape.

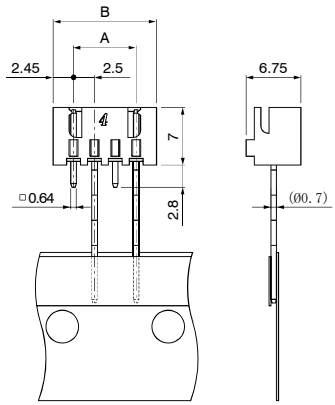
<For reference> As the color identification, the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

ex. **S3B-XH-SM4-oo-TB**
(blank)…natural (ivory)
M…green R…red E…blue L…lemon yellow

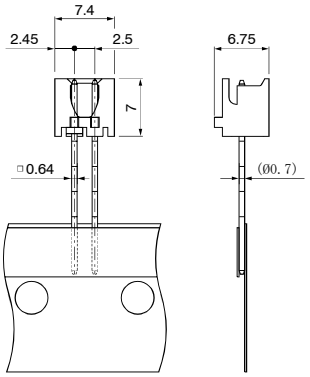
XH CONNECTOR

Through-hole type shrouded header on radial-tape

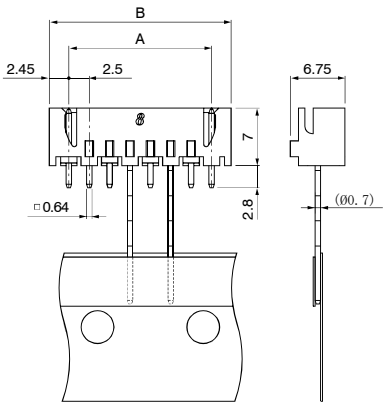
TV4 type
(3 to 4 circuits)



2-TV4 type
(2 circuits)



2-TV4 type
(3 to 8 circuits)



Circuits	Model No.		Dimensions (mm)		Q'ty / box
	TV4	2-TV4	A	B	
2	-	**B2B-XH-2-TV4**	-	-	1,000
3	**B3B-XH-TV4**	**B3B-XH-2-TV4**	5.0	9.9	1,000
4	**B4B-XH-TV4**	**B4B-XH-2-TV4**	7.5	12.4	500
5	-	**B5B-XH-2-TV4**	10.0	14.9	500
6	-	**B6B-XH-2-TV4**	12.5	17.4	500
7	-	**B7B-XH-2-TV4**	15.0	19.9	500
8	-	**B8B-XH-2-TV4**	17.5	22.4	500

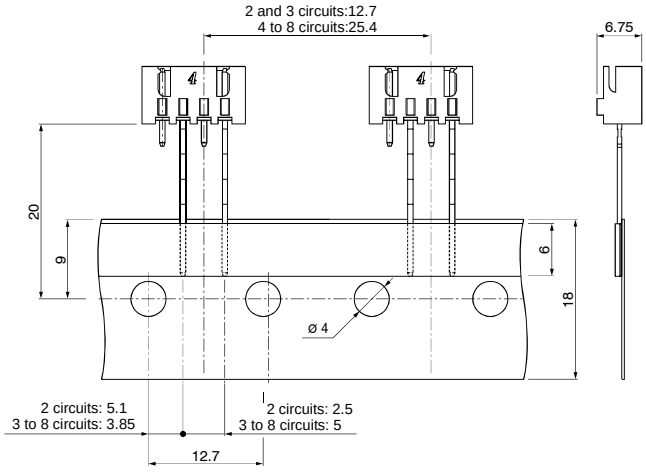
Material and Finish
Post: Brass, copper-undercoated, tin-plated (reflow treatment) Wafer: TV4 type/ PA 66, UL94V-0, natural (white) 2-TV4 type/ Glass-filled PA 66, UL94V-0, natural (ivory)

RoHS 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.

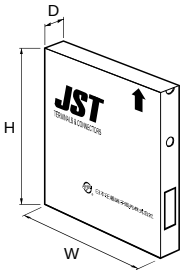
ex. **B2B-XH-2-TV4-oo**
(blank)…natural (TV4 type/white, 2-TV4 type/ivory)
C…black (glass-filled) BK…black R…red E…blue Y…yellow M…green

Taping specification

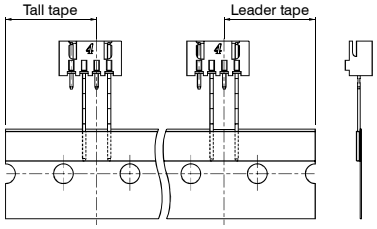


Note: Conforms to JIC C 0806 of "Tape packaging of components with unidirectional leads on continuous tapes".

Packaging specifications



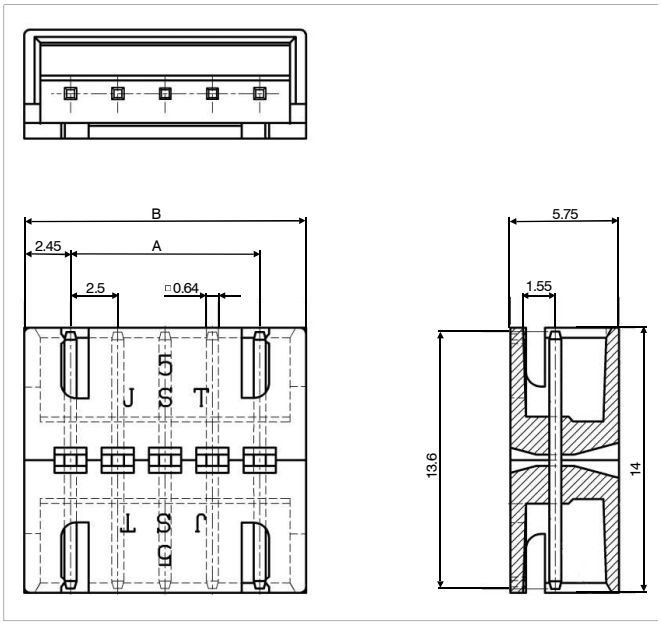
Distance between the end of the tape and the first connector's center line (either end)



Package type		Flat pack (zigzag folded)
Distance between folds		24 indexing holes per fold (304.8mm)
Box size		316(W)X45(D)X330(H)mm
Distance between the end of the tape and the first connector's center line (either end)		19.05mm
Quantity	2,3 circuits	1,000 pcs. / box
	4~8 circuits	500 pcs. / box

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

Unit for wire-to-wire connection



Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
2	**B2B-XH-TW**	2.5	7.4	12,000
3	**B3B-XH-TW**	5.0	9.9	9,000
4	**B4B-XH-TW**	7.5	12.4	9,000
5	**B5B-XH-TW**	10.0	14.9	12,000
6	**B6B-XH-TW**	12.5	17.4	6,000
7	**B7B-XH-TW**	15.0	19.9	4,500
8	**B8B-XH-TW**	17.5	22.4	4,500
11	**B11B-XH-TW**	25.0	29.9	2,400
12	**B12B-XH-TW**	27.5	32.4	2,400

Material and Finish
Post: Brass, copper-undercoated, tin-plated (reflow treatment) Wafer: PA 66, UL94V-0, natural (white)

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