





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 m $\Omega$  max. After environmental tests/ 20 m $\Omega$  max.
- Insulation resistance: 1,000 M $\Omega\,$  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



1.8



Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.

2. The dimensions above should serve as a guideline. Contact JST for details.

TSSCO18.01(XH)

# **XH CONNECTOR**

#### Contact



Model No.	Shape	Applicable Wire		Insulation O.D	Q'ty /
		mm <sup>2</sup>	AWG#	(mm)	reel
SXH-001T-P0.6N	Α	0.13~0.33	26~22	1.3~1.9	5,000
SXH-001T-P0.6	в	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	8,000

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.

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

Note: \*Strip-crimp applicator

## Housing



E C

#### (6 circuits 5.0mm pitch)



Circuito	Model No.	D	<i>d</i>			
Circuits	WODEI NO.	Α	В	С	Q'ty/bag	
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/TU<sup>®</sup>V approved. 2. XHP-6(5.0)-U is 6 circuits 5.0mm pitch plugged up. Not UL/CSA/TU"V 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

XHP-1-<u>00</u> ex.

(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>

XHP-2(10.0)-U-oo ex. (blank)...natural (white)

R...red E...blue

## 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.



	Mode	Model No.			Dimensions (mm)		Q'ty / box	
Grouits	Top Entry Type	Side Ent	ry Туре	А	В	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



Circuits	Model No.	Dimensi	ons (mm)	Q'ty / bag	
Circuits	Model No.	А	В		
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-<u>oo</u>

(blank)...natural (ivory)

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

*T\$\$6018.01(XH)* 

## **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.



Circuits	Model No	Dimensi	Q'ty /	
	Model No.	Α	В	bóx
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.

#### B1B-XH-AM-oo ex.

(blank)...natural (white) BK...black R...red E...blue Y...yellow L...lemon yellow M...green

#### SMT type shrouded header



		Dimensio	Q'ty /	
Circuits	Circuits Model No.	А	В	reel
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.

S3B-XH-SM4-oo-TB ex.

(blank)...natural (ivory)

M...green R...red E...blue L...lemon yellow



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



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)

### **Taping specification**



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

#### 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

#### Packaging specifications



Package type		Flat pack (zigzag folded)	
Distance between fe	olds	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	
Quantity	4~8 circuits	500 pcs. / box	

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

# **XH CONNECTOR**

## Unit for wire-to-wire connection



Circuits	Model No.	Dimensi	Q'ty /	
	Woder No.	A	В	box
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)

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