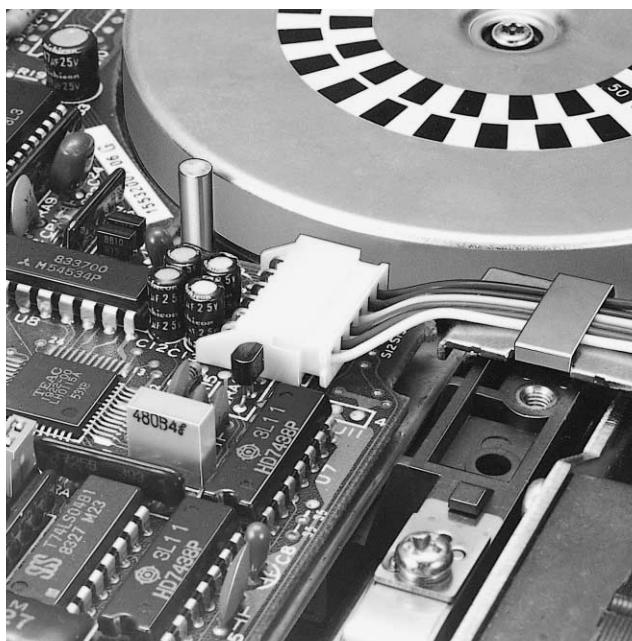
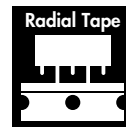


Crystalfontz America, Inc.

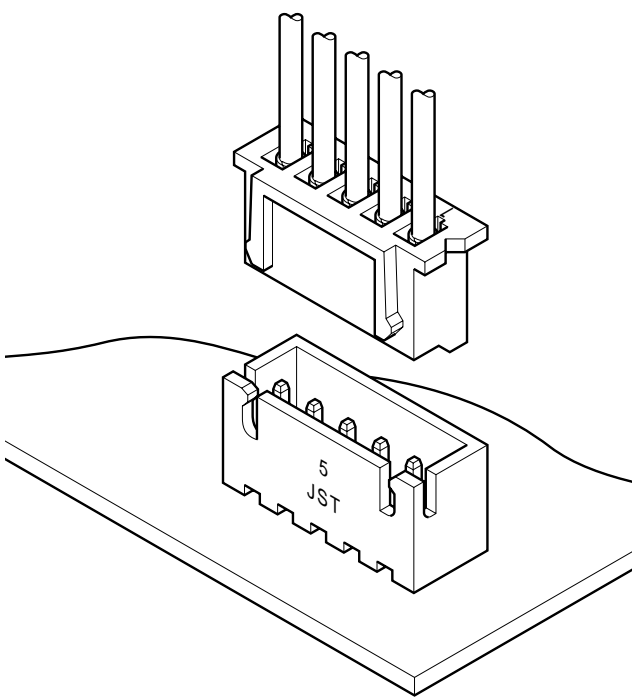
This is the JST data sheet for the module's backlight connector. The connector and its mating parts are highlighted in yellow.

XH CONNECTOR

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 (.386"). Yet it meets the needs for high-density mounting and miniaturization of electronic equipment, including VCRs, radio-cassette players, and car stereo systems.



Features

• Original folded beam contact

The protected, folded beam contact in this connector provides high contact pressure with an over-stress stop feature. This ensures dependable continuity when used with low voltage, low current carrying circuits (dry circuits). The wire crimp section is mechanically decoupled from the post insertion section which, in turn, prevents the mating area from being adversely affected by crimping.

• Box-shaped shrouded header

The four-sided, box-shaped shroud prevents the receptacle from being misinserted or pried during insertion and removal. The shroud also prevents foreign matter from reaching the posts and resists contact deformation due to handling and shipping. Furthermore, a serrated, oversized square post is pressure-fit into each square hole to completely protect the post against heat and to prevent flux from entering during dip soldering.

• Header with a boss

This header has a boss (projection) on the bottom of the housing to prevent improper insertion in printed circuit boards.

• Interchangeability

This header is interchangeable with those of 2.5mm (.098") pitch insulation displacement NR and NRD connectors and board-to-board JQ connectors.

• Conforming to the HA terminal

The 4-circuit XH connector conforms to the HA terminal specified in JEM 1427 (Japanese Electric Machine Industry Association Standards).

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/10m Ω max.
After environmental testing/20m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AWG #30 to #22
- Applicable PC board thickness: 1.6mm(.063")
- * Contact JST if Lead-Free product is required.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

Standards

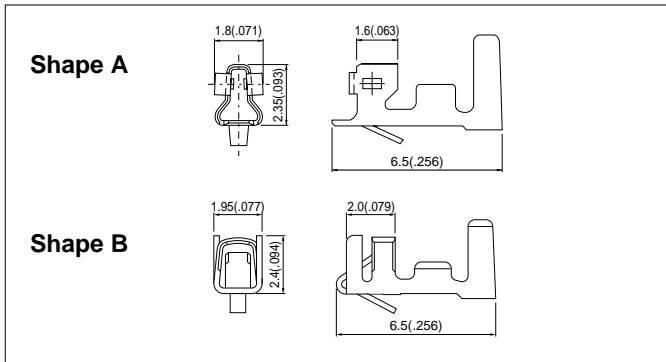
Recognized E60389

Certified LR20812

J50014297

XH CONNECTOR

Contact



Model No.	Shape	Applicable Wire			Q'ty / reel
		mm ²	AWG#	Insulation O.D mm(in.)	
SXH-001T-P0.6N	A	0.13 to 0.33	26 to 22	1.3 to 1.9(.051 to .075)	5,000
SXH-001T-P0.6	B	0.08 to 0.33	28 to 22	1.2 to 1.9(.047 to .075)	8,000
SXH-002T-P0.6		0.05 to 0.13	30 to 26	0.9 to 1.3(.035 to .051)	

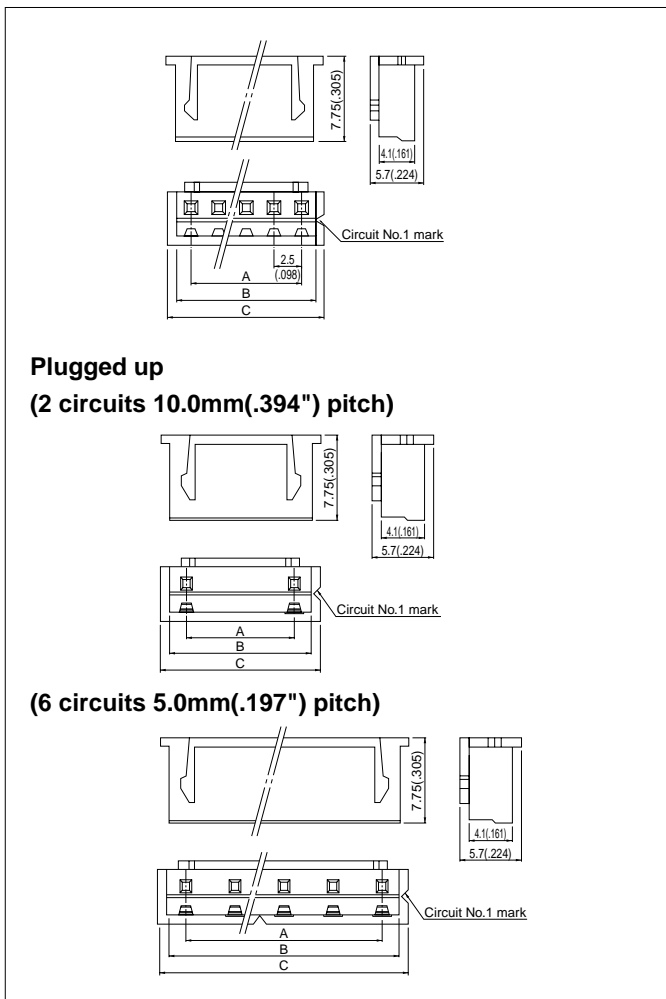
Material and Finish

Phosphor bronze, tin-plated

Note:

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

Housing



Circuits	Model No.	Dimensions mm(in.)			Q'ty / bag
		A	B	C	
1	XHP- 1	—	3.2(.126)	4.8(.189)	1,000
2	XHP- 2	2.5(.098)	5.7(.224)	7.3(.287)	1,000
2	XHP- 2(10.0)-U	10.0(.394)	13.2(.520)	14.8(.583)	1,000
3	XHP- 3	5.0(.197)	8.2(.323)	9.8(.386)	1,000
4	XHP- 4	7.5(.295)	10.7(.421)	12.3(.484)	1,000
5	XHP- 5	10.0(.394)	13.2(.520)	14.8(.583)	1,000
6	XHP- 6	12.5(.492)	15.7(.618)	17.3(.681)	1,000
6	XHP- 6(5.0)-U	25.0(.984)	28.2(1.110)	29.8(1.173)	1,000
7	XHP- 7	15.0(.591)	18.2(.717)	19.8(.780)	1,000
8	XHP- 8	17.5(.689)	20.7(.815)	22.3(.878)	1,000
9	XHP- 9	20.0(.787)	23.2(.913)	24.8(.976)	1,000
10	XHP-10	22.5(.886)	25.7(1.012)	27.3(1.075)	1,000
11	XHP-11	25.0(.984)	28.2(1.110)	29.8(1.173)	1,000
12	XHP-12	27.5(1.083)	30.7(1.209)	32.3(1.272)	1,000
13	XHP-13	30.0(1.181)	33.2(1.307)	34.8(1.370)	1,000
14	XHP-14	32.5(1.280)	35.7(1.406)	37.3(1.469)	1,000
15	XHP-15	35.0(1.378)	38.2(1.504)	39.8(1.567)	1,000
16	XHP-16	37.5(1.476)	40.7(1.602)	42.3(1.665)	1,000
20	XHP-20	47.5(1.870)	50.7(1.996)	52.3(2.059)	500

Material

Nylon 6, UL94V-0, natural (white)

Note:

- XHP-2(10.0)-U is 2 circuits 10.0mm(.394") pitch plugged up. Not UL/CSA/TUV approved.
- XHP-6(5.0)-U is 6 circuits 5.0mm(.197") pitch plugged up. Not UL/CSA/TUV 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.

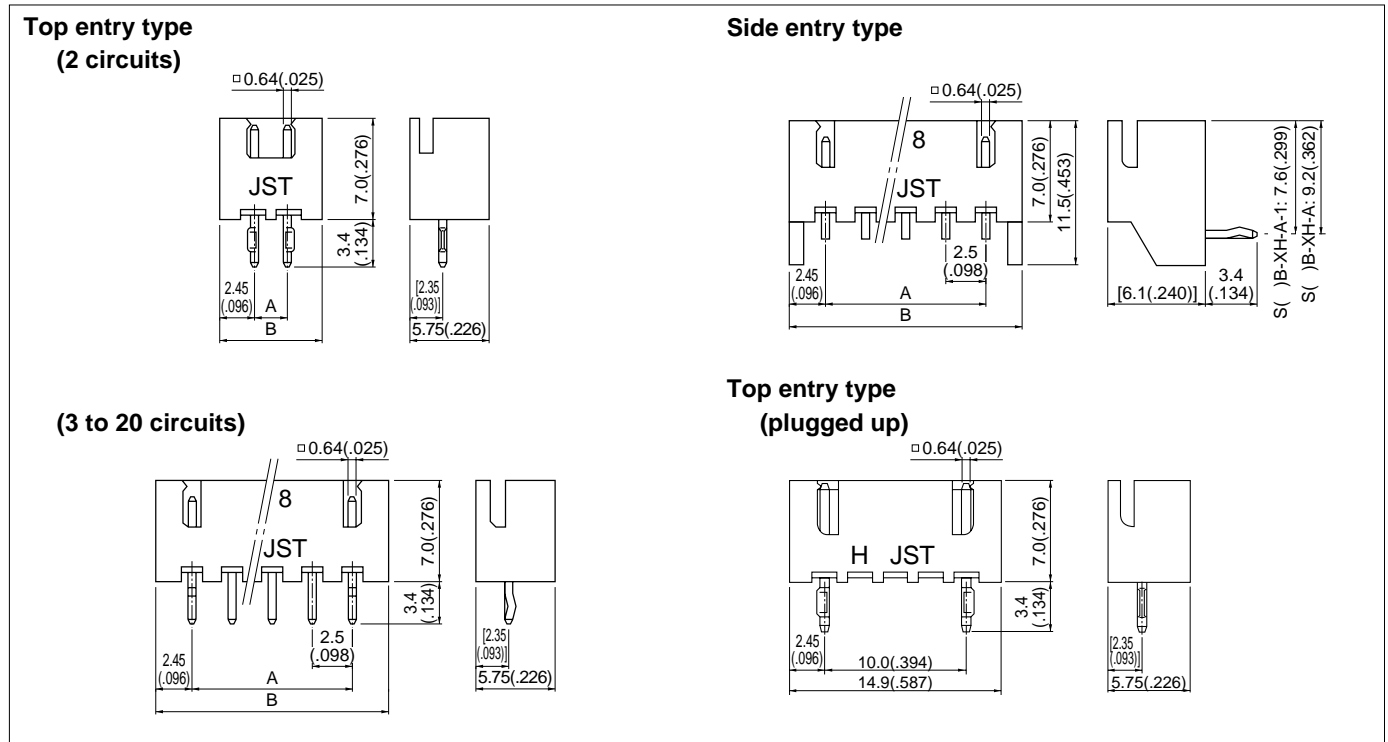
ex. **XHP-1-oo**
(blank)...natural (white)
BK...black R...red E...blue Y...yellow L...lemon yellow
M...green D...orange N...brown FY...vivid yellow

<Plugged up type>

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

Through-hole type shrouded header

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



Circuits	Model No.		Dimensions mm(in.)		Q'ty / box	
	Top entry type	Side entry type	A	B	Top entry type	Side entry type
2	B 2B-XH-A	—	2.5(.098)	7.4(.291)	1,000	1,000
2	B2 (10.0)B-XH-A-U	—	10.0(.394)	14.9(.587)	1,000	1,000
3	B 3B-XH-A	S 3B-XH-A-1	5.0(.197)	9.9(.390)	1,000	1,000
4	B 4B-XH-A	S 4B-XH-A-1	7.5(.295)	12.4(.488)	500	500
5	B 5B-XH-A	S 5B-XH-A-1	10.0(.394)	14.9(.587)	500	500
6	B 6B-XH-A	S 6B-XH-A-1	12.5(.492)	17.4(.685)	500	500
7	B 7B-XH-A	S 7B-XH-A-1	15.0(.591)	19.9(.783)	500	250
8	B 8B-XH-A	S 8B-XH-A-1	17.5(.689)	22.4(.882)	500	250
9	B 9B-XH-A	S 9B-XH-A-1	20.0(.787)	24.9(.980)	500	250
10	B10B-XH-A	S10B-XH-A-1	22.5(.886)	27.4(1.079)	250	250
11	B11B-XH-A	S11B-XH-A-1	25.0(.984)	29.9(1.177)	250	250
12	B12B-XH-A	S12B-XH-A-1	27.5(1.083)	32.4(1.276)	250	200
13	B13B-XH-A	S13B-XH-A-1	30.0(1.181)	34.9(1.374)	250	200
14	B14B-XH-A	S14B-XH-A-1	32.5(1.280)	37.4(1.472)	250	200
15	B15B-XH-A	S15B-XH-A-1	35.0(1.378)	39.9(1.571)	250	100
16	B16B-XH-A	—	37.5(1.476)	42.4(1.669)	200	100
20	B20B-XH-A	—	47.5(1.870)	52.4(2.063)	100	—

Material and Finish

Post: Brass, copper-undercoated, tin/lead-plated
Wafer: Nylon 66, UL94V-0, natural (white)

Note: B2(10.0)B-XH-A-U is 2 circuits 10.0mm(.394") 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)

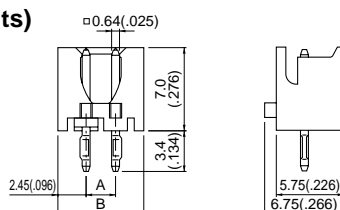
BK...black R...red E...blue Y...yellow L...lemon yellow M...green D...orange N...brown FY...vivid yellow

XH CONNECTOR

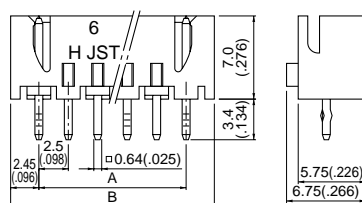
Through-hole type shrouded header

Top entry type of glass-filled nylon

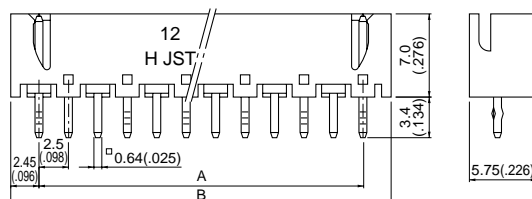
(2 circuits)



(3 to 8 circuits)



(9 to 15 circuits)



Circuits	Model No.	Dimensions mm(in.)		Q'ty / box
		A	B	
2	B 2B-XH-2	2.5(.098)	7.4(.291)	1,000
3	B 3B-XH-2	5.0(.197)	9.9(.390)	1,000
4	B 4B-XH-2	7.5(.295)	12.4(.488)	500
5	B 5B-XH-2	10.0(.394)	14.9(.587)	500
6	B 6B-XH-2	12.5(.492)	17.4(.685)	500
7	B 7B-XH-2	15.0(.591)	19.9(.783)	500
8	B 8B-XH-2	17.5(.689)	22.4(.882)	250
9	B 9B-XH-2	20.0(.787)	24.9(.980)	250
10	B10B-XH-2	22.5(.886)	27.4(1.079)	250
11	B11B-XH-2	25.0(.984)	29.9(1.177)	250
12	B12B-XH-2	27.5(1.083)	32.4(1.276)	250
13	B13B-XH-2	30.0(1.181)	34.9(1.374)	250
14	B14B-XH-2	32.5(1.280)	37.4(1.472)	250
15	B15B-XH-2	35.0(1.378)	39.9(1.571)	250

Material and Finish

Post: Brass, copper-undercoated, tin/lead-plated

Wafer: Glass-filled nylon 66, UL94V-0, natural (ivory)

<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

