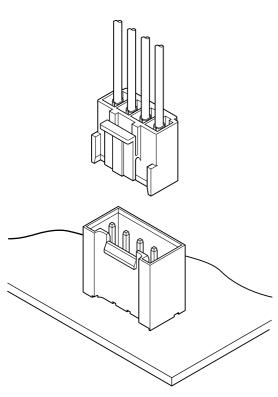


VH CONNECTOR (High box type)

3.96mm pitch/Disconnectable Crimp style connectors



This is VH connector high box type, with 21.3 mm mounting height (single circuit: 18.6 mm) and with 9.2 mm thickness (single circuit: 8 mm). This connector exhibits the stable electric connection to the condition such as the vibration, the prying, the microcurrent and micro-voltage circuit.

- Header for use specifically with resin coated ("potted") PC board
- Interchangeability

<Single circuit>

Specifications -

• Current rating: 7 A AC, DC (AWG #18)

10 A AC, DC (AWG #16)/1 circuit only

• Voltage rating: 250 V AC, DC

• Temperature range: -25°C to +85°C

(including temperature rise in applying

electrical current)

• Contact resistance: Initial value/ 10 m Ω max.

After environmental tests/ 20 m Ω max.

• Insulation resistance: 1,000 M Ω min.

Withstanding voltage: 1,500 VAC/minute

Applicable wire: AWG #22 to #16

• Applicable PC board thickness: 1.6 mm

Note:

Do not branch in parallel current which exceeds the rated current. If branched in parallel, current imbalance or other problems may develop. If it is absolutely necessary to branch such a large current in parallel, be sure to use contacts made of phosphor bronze. Design the circuits without causing imbalance and provide an extra margin for each circuit.

- * 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

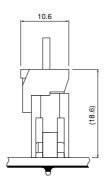
Certified LR20812

△ R75122

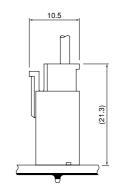
<2 to 8 circuits>

PC board layout and Assembly layout

1.3^{+0.1}
1.3⁺⁰



#41.65^{+0.1}

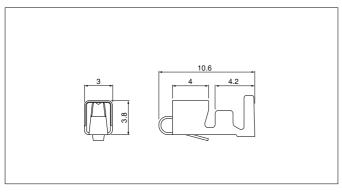


Note: 1. The above figure is the figure viewed from soldering side.

- 2. Tolerances are non-cumulative: ±0.05 mm for all centers.
- 3. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guide line. Contact JST for details.

VH CONNECTOR (High box type)

Contact



Contact	Crimping	Applicator			
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies	
SVH-21T-P1.1	AP-K2N	MKS-L	MK/SVH-21-11	APLMK SVH21-11	
3411-211-111		*MKS-SC	SC/SVH-21-11	APLSC SVH21-11	

Note: *Strip-crimp applicator

Model No.	Applicable wire		Insulation O.D.	Q'ty/	
Model No.	mm²	AWG#	(mm)	reel	
SVH-21T-P1.1	0.33~0.83	22~18	1.7~3.0	4,500	
*SVH-41T-P1.1	0.5 ~1.25	20~16	1.7~3.0	3,500	

Material and Finish

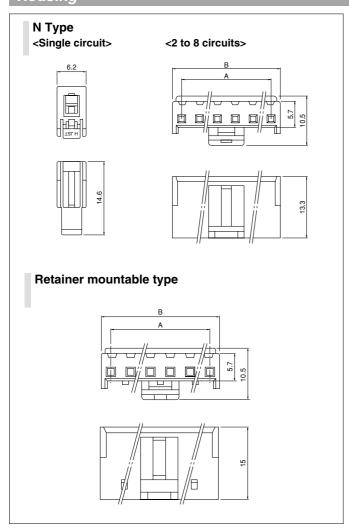
Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

- Note: 1. *The current rating when combining with single circuit is 10 A AC, DC (AWG #16.)
 - When using retainer mountable type housing, applicable wire's insulation O. D. shall be 1.7 to 2.2 mm.

Contact	Crimping	Applicator			
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies	
SVH-41T-P1.1	AP-K2N	MKS-L	MK/SVH-41-11	APLMK SVH41-11	
3VII-411-F1.1		_	_	_	

Housing



Circuits	Model No.		Dimensions (mm)		Q'ty/
	N type	Retainer mountable type	Α	В	bag
1	VHR-1N				1,000
2	VHR-2N	_	3.96	7.86	1,000
3	VHR-3N	VHRR-3N	7.92	11.82	*
4	VHR-4N	_	11.88	15.78	1,000
5	VHR-5N	VHRR-5N	15.84	19.74	*
6	VHR-6N	_	19.80	23.70	500
7	VHR-7N	VHRR-7N	23.76	27.66	500
8	VHR-8N	VHRR-8N	27.72	31.62	500

Material

PA 6, UL94V-0, natural (white)

RoHS compliance

- * N type; 1,000 Retainer mountable type; 500
- <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. VHR-2N-<u>oo</u>

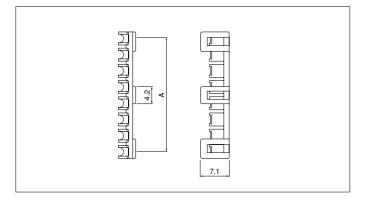
(blank)...natural (white)

BK...black R...red BL...blue M...green D...orange

Y...yellow PK...pink H...gray

VH CONNECTOR (High box type)

Retainer



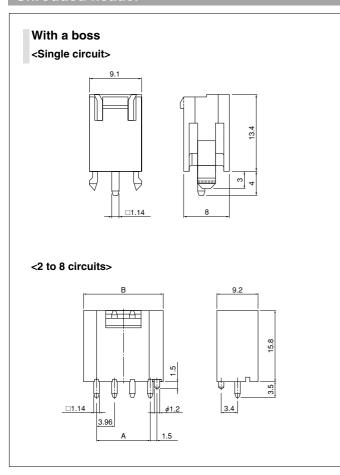
Circuits	Model No.	Α	Q'ty/bag
3	VHS-3V	7.52	1,000
5	VHS-5V	15.44	1,000
7	VHS-7V	23.36	1,000
8	VHS-8V	27.32	1,000

Material

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

RoHS compliance

Shrouded header



Circuits	Model No.	Q'ty/box
	With a boss	Q ty/box
1	BH1P-VH-1	500

Material and Finish

Post: Brass, copper-undercoated, tin-plated (reflow treatment) Wafer: PA 66, UL-94V-0, natural (white)

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. BH1P-VH-1-00

(blank)...natural (white) BK...black R...red BL...blue

M...green O...orange Y...yellow PK...pink

Circuits	Model No.	Dimensions (mm)		Q'ty/
	With a boss	Α	В	box
2	BH2P-VH-1	3.96	9.80	250
3	BH3P-VH-1	7.92	13.76	200
4	BH4P-VH-1	11.88	17.72	150
5	BH5P-VH-1	15.84	21.68	100
6	BH6P-VH-1	19.80	25.64	100
7	BH7P-VH-1	23.76	29.60	100
8	BH8P-VH-1	27.72	33.56	100

Material and Finish

Post: Brass, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PA 66, UL-94V-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.

BH2P-VH-1-00

(blank)...natural (ivory) BK...black R...red BL...blue

M...green Y...yellow

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