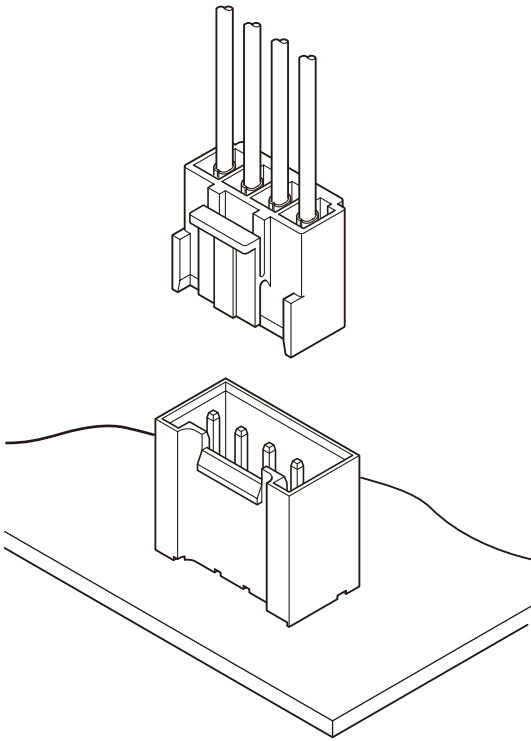


# VH CONNECTOR <High box type>

## 3.96mm pitch/Disconnectable Crimp style connectors



**Header for 3.96mm pitch VH connector for use specifically with resin coated ("potted") PC boards.**

• **Interchangeability**

### Specifications

- Current rating: 7A AC, DC (AWG #18)  
10A AC, DC (AWG #16)/1 circuit only
- 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: 1,500V AC/minute
- Applicable wire: AWG #22 to #16
- Applicable PC board thickness: 1.6mm

*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.*

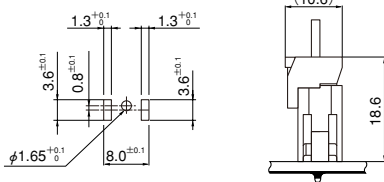
- \* Compliant with RoHS.
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.

### Standards

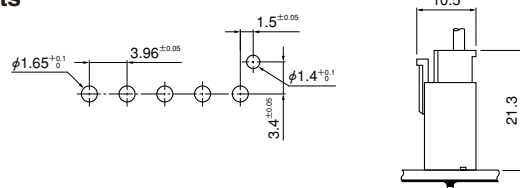
- Ⓜ Recognized E60389
- Ⓢ Certified LR20812
- ⚠ R75122

### PC board layout (viewed from soldering side) and Assembly layout

**1 circuit**



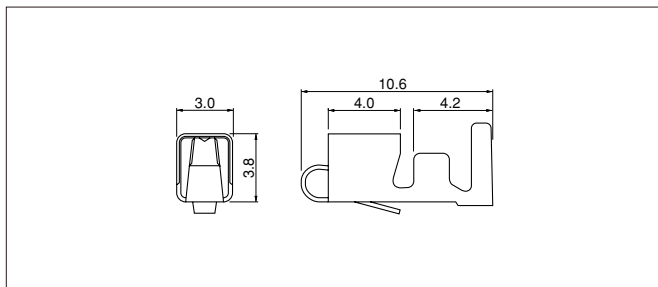
**2 to 8 circuits**



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

2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guide line. Contact JST for details.

### Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty / reel
	mm <sup>2</sup>	AWG#		
<b>SVH-21T-P1.1</b>	0.33~0.83	22~18	1.7~3.0	4,500
<b>*SVH-41T-P1.1</b>	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 1 circuit is 10A AC, DC (AWG #16.)

2. Contact JST for brass product.

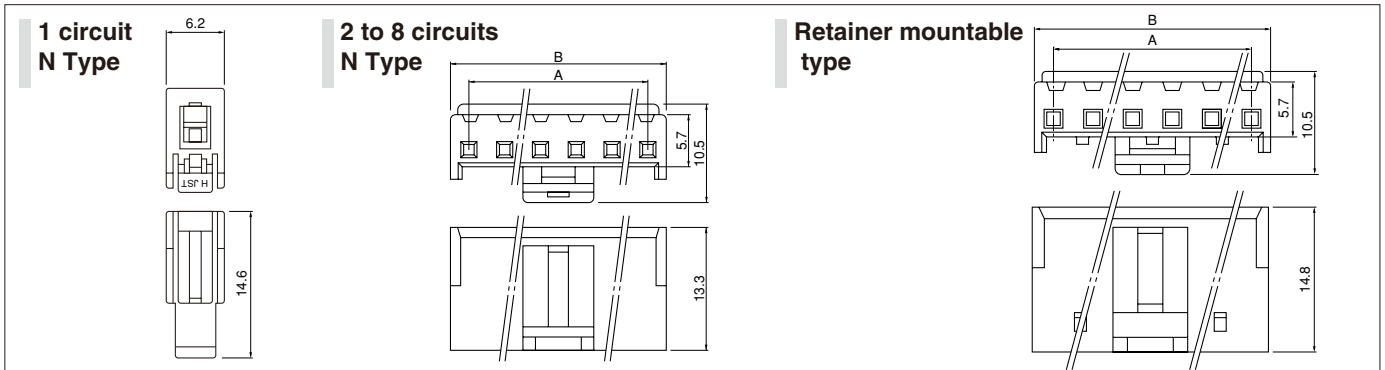
Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
<b>SVH-21T-P1.1</b>	AP-K2N	MKS-L	MK/SVH-21-11	APLMK SVH21-11
		*MKS-SC	SC/SVH-21-11	APLSC SVH21-11

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
<b>SVH-41T-P1.1</b>	AP-K2N	MKS-L	MK/SVH-41-11	APLMK SVH41-11
		-	-	-

Note: \*Strip-crimp applicator

# VH CONNECTOR (High box type)

## Housing

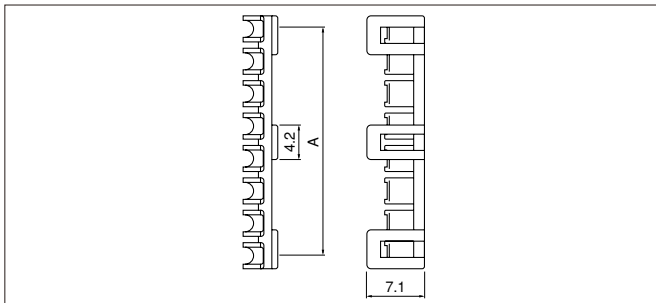


Circuits	Model No.		Dimensions (mm)		Q'ty / bag
	N type	Retainer mountable type	A	B	
1	*VHR-1N	—	—	—	1,000
2	VHR-2N	—	3.96	7.86	1,000
3	VHR-3N	*VHRR-3N	7.92	11.82	1,000
4	VHR-4N	—	11.88	15.78	1,000
5	VHR-5N	*VHRR-5N	15.84	19.74	1,000
6	VHR-6N	—	19.80	23.70	500
7	VHR-7N	*VHRR-7N	23.76	27.66	500
8	VHR-8N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

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

**RoHS compliance**  
 Note: \*Marked products are not 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. **VHR-2N-oo**  
 (blank)...natural (white)  
 BK...black R...red BL...blue M...green

## Retainer

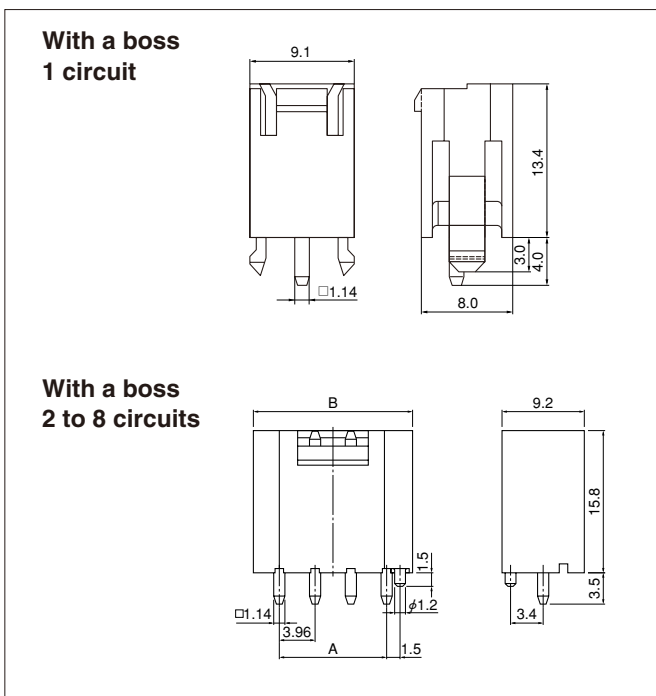


Circuits	Model No.	A	Q'ty / bag
2	VHS-2V	3.70	1,000
3	VHS-3V	7.52	1,000
5	VHS-5V	15.44	1,000
7	VHS-7V	23.36	1,000
8	VHS-8V	27.32	1,000
9	VHS-9V	31.28	1,000

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

**RoHS compliance**  
 Note: Not TÜV approved.

## Shrouded header



Circuits	Model No.	Q'ty / box
1	With a boss <b>BH1P-VH-1</b>	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.  
 Note: Not TÜV approved.

Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
2	<b>BH2P-VH-1</b>	3.96	9.80	250
3	<b>BH3P-VH-1</b>	7.92	13.76	200
4	<b>BH4P-VH-1</b>	11.88	17.72	150
5	<b>BH5P-VH-1</b>	15.84	21.68	100
6	<b>BH6P-VH-1</b>	19.80	25.64	100
7	<b>BH7P-VH-1</b>	23.76	29.60	100
8	<b>BH8P-VH-1</b>	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.  
 ex. **BH2P-VH-1-oo**  
 (blank)...natural (ivory) BK...black R...red BL...blue M...green