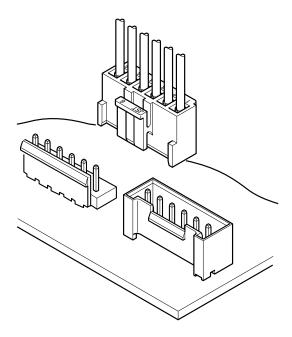


H CONNECTOR

3.96 mm pitch/Disconnectable Crimp style connectors



This small, field-proven connector for printed circuit boards is reliable and has a large current carrying capacity. It can be used with a wide variety of signal, power supply, and output circuits that appear in consumer electronic products.

- Proven box contact
- Compact connector with a large capacity
- Secure contact and mounting

Specifications ——

• Current rating: 10 A AC/DC (AWG #16)

Voltage rating: 250 V AC/DC

Temperature range: -25℃ to +85℃

(including temperature rise in applying

electrical current)

• Contact resistance: Initial value/ $10 \text{ m}\Omega$ 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

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.

- * In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- RoHS2 compliance
- * Dimensional unit: mm
- * Contact JST for details.

Standards -

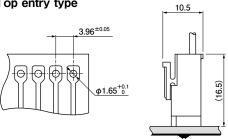
Recognized E60389

⊕ Certified LR20812

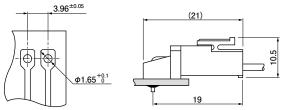
△ R75122

PC board layout and Assembly layout

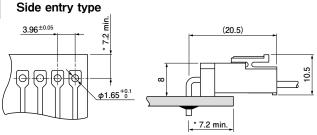
Locking header Top entry type



Locking header Side entry type with PCB stabilizer

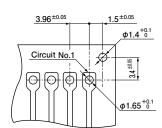


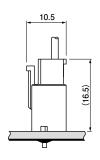
Locking header



*11.0 max. when used with the VR connector receptacle

Shrouded header



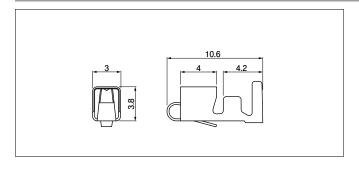


Note: 1. The above figure is the figure viewed from soldering side.

- 2. Tolerances are non-cumulative: \pm 0.05 mm for all centers.
- 3. Please consider the pattern layout design in case of applying the large current.
- 4. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

VH CONNECTOR

Contact



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

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

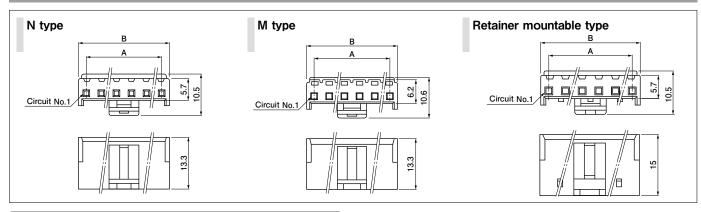
RoHS2 compliance

Note: 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 applicat		Dies	Crimp applicator with dies
SVH-21T-P1.1	AP-K2N	MKS-L	MK/SVH-21-11	APLMK SVH21-11
SVH-41T-P1.1	AF-NZIN	IVIN-L	MK/SVH-41-11	APLMK SVH41-11

Note: Contact JST for fully automatic crimping applicator.

Housing



		Dimensio	Q'ty/			
N type M typ		Retaine mountable type	Α	В	bag	
HR-2N	VHR-2M	VHRR-2N	3.96	7.86	1,000	
HR-3N	VHR-3M	VHRR-3N	7.92	11.82	(*)	
HR-4N	VHR-4M	_	11.88	15.78	1,000	
HR-5N	VHR-5M	VHRR-5N	15.84	19.74	(*)	
HR-6N	VHR-6M	_	19.80	23.70	500	
HR-7N	VHR-7M	VHRR-7N	23.76	27.66	500	
HR-8N	_	VHRR-8N	27.72	31.62	500	
HR-9N	VHR-9M	VHRR-9N	31.68	35.58	500	
HR-10N	_	_	35.64	39.54	500	
HR-11N	_	_	39.60	43.50	500	
' 	HR-2N HR-3N HR-4N HR-5N HR-6N HR-7N HR-8N HR-9N HR-10N	HR-2N VHR-2M HR-3N VHR-3M HR-4N VHR-4M HR-5N VHR-5M HR-6N VHR-6M HR-7N VHR-7M HR-8N — HR-9N VHR-9M HR-10N —	HR-2N VHR-2M VHRR-2N HR-3N VHR-3M VHRR-3N HR-4N VHR-4M — HR-5N VHR-5M VHRR-5N HR-6N VHR-6M — HR-7N VHR-7M VHRR-7N HR-8N — VHRR-8N HR-9N VHR-9M VHRR-9N HR-10N — —	HR-2N VHR-2M VHRR-2N 3.96 HR-3N VHR-3M VHRR-3N 7.92 HR-4N VHR-4M — 11.88 HR-5N VHR-5M VHRR-5N 15.84 HR-6N VHR-6M — 19.80 HR-7N VHR-7M VHRR-7N 23.76 HR-8N — VHR-8N 27.72 HR-9N VHR-9M VHRR-9N 31.68 HR-10N — 35.64	HR-2N VHR-2M VHRR-2N 3.96 7.86 HR-3N VHR-3M VHRR-3N 7.92 11.82 HR-4N VHR-4M — 11.88 15.78 HR-5N VHR-5M VHRR-5N 15.84 19.74 HR-6N VHR-6M — 19.80 23.70 HR-7N VHR-7M VHRR-7N 23.76 27.66 HR-8N — VHR-8N 27.72 31.62 HR-9N VHR-9M VHRR-9N 31.68 35.58 HR-10N — 35.64 39.54	

Material and Finish

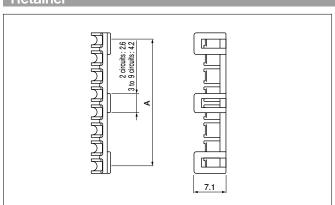
PA 6, UL94V-0, natural (white)

- Note: 1. Models identified as VHR-() M incorporate measures to prevent electric shock and are thus safer in regard to high voltages.

 2. The applicable housing for 2 circuits shrouded header is "VHR-2N"
 - only. "VHRR-2N" is not applicable.
 - 3. Contact JST for Glow Wire compliant connectors.
 - (*) N / M type ; 1,000 Retainer mountable type ; 500

RoHS2 compliance

Retainer



No. of circuits	Model No.	Α	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

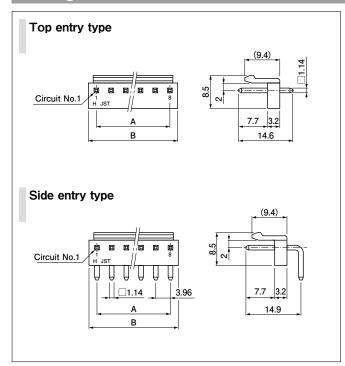
Material and Finish

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

RoHS2 compliance

VH CONNECTOR

Locking header



	Mode	el No.	Dimensio	ons (mm)	Q'ty	Q'ty/box		
No. of circuits	Top entry type	Side entry type	Α	В	Top entry type	Side entry type		
2	B2P-VH	B2PS-VH	3.96	7.86	1,000	1,000		
3	B3P-VH	B3PS-VH	7.92	11.82	1,000	500		
4	B4P-VH	B4PS-VH	11.88	15.78	500	500		
5	B5P-VH	B5PS-VH	15.84	19.74	500	250		
6	B6P-VH	B6PS-VH	19.80	23.70	250	250		
7	B7P-VH	B7PS-VH	23.76	27.66	250	250		
8	B8P-VH	B8PS-VH	27.72	31.62	200	200		
9	B9P-VH	B9PS-VH	31.68	35.58	200	200		
10	B10P-VH	B10PS-VH	35.64	39.54	200	100		

Material and Finish

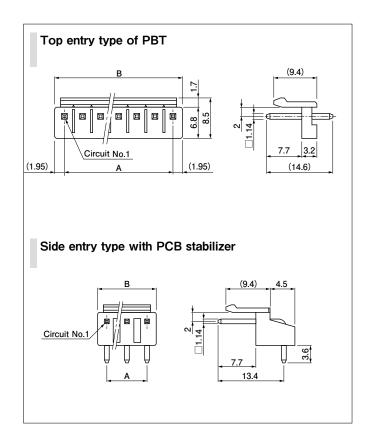
Post: Brass, copper-undercoated, tin-plated (reflow treatment) Wafer: PA 66, UL94V-0, natural (white)

RoHS2 compliance This product displays (LF)(SN) on a label.

Note: 1. Headers with a reduced number of posts are also available.

Contact JST for details.

2. Contact JST for Glow Wire compliant connectors.



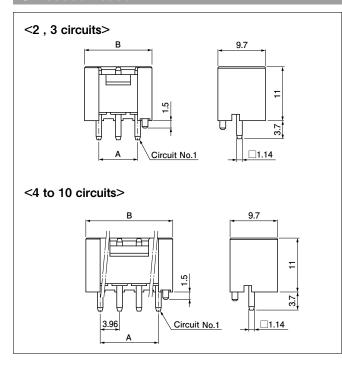
	Mode	el No.	Dimensio	ns (mm)	Q'ty.	/box
No. of circuits	Top entry type of PBT	Side entry type with PCB stabilizer	Α	В	Top entry type	Side entry type
2	B2P-VH-B	S2P-VH	3.96	7.86	1,000	1,000
3	B3P-VH-B	S3P-VH	7.92	11.82	1,000	500
4	B4P-VH-B	S4P-VH	11.88	15.78	500	500
5	B5P-VH-B	S5P-VH	15.84	19.74	500	250
6	B6P-VH-B	S6P-VH	19.80	23.70	250	250
7	B7P-VH-B	S7P-VH	23.76	27.66	250	250
8	B8P-VH-B	_	27.72	31.62	200	_
9	B9P-VH-B	_	31.68	35.58	200	_
10	B10P-VH-B	_	35.64	39.54	200	_
11	B11P-VH-B —		39.60	43.50	200	_

Material and Finish

Post: Brass, copper-undercoated, tin-plated (reflow treatment)
Wafer: Top entry type of PBT: Glass-filled PBT, UL94V-0, natural (white)
Side entry type with PCB stabilizer: PA 66, UL94V-0, natural (white)

 $\label{localization} \textbf{RoHS2 compliance} \quad \textbf{This product displays (LF)(SN) on a label.}$

Shrouded header



No. of	Model No.	Dimensio	Q'ty/	
circuits	woder no.	Α	В	box
2	B2P-VH-FB-B	3.96	9.80	250
3	B3P-VH-FB-B	7.92	13.76	200
4	B4P-VH-FB-B	11.88	17.72	150
5	B5P-VH-FB-B	15.84	21.68	200
6	B6P-VH-FB-B	19.80	25.64	200
7	B7P-VH-FB-B	23.76	29.60	100
8	B8P-VH-FB-B	27.72	33.56	100
9	B9P-VH-FB-B	31.68	37.52	100
10	B10P-VH-FB-B	35.64	41.48	125

Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PBT, UL94V-0, natural (white)

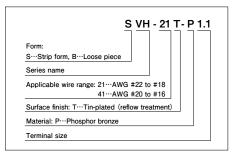
RoHS2 compliance This product displays (LF)(SN) on a label.

Note: The applicable housing for 2 circuits shrouded header is "VHR-2N" only.

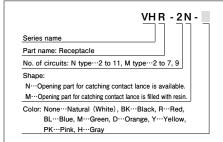
"VHRR-2N" is not applicable.

Model number allocation

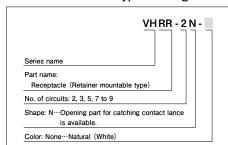
Contact



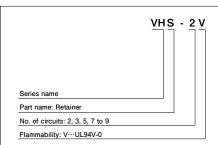
Housing



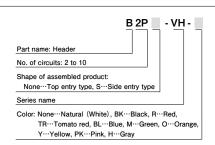
Retainer mountable type housing



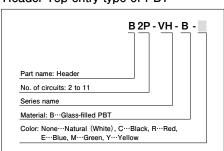
Retainer



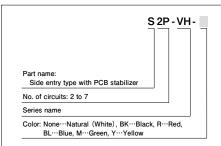
Header



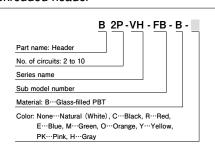
Header Top entry type of PBT



Header Side entry type with PCB stabilizer



Shrouded header



Note: Depending on the colors, it may take some time for delivery.

VH CONNECTOR

Post-omitted Header

1) When giving the polarity to the product by removing the post (N-1)th circuit However, since the product that the 2nd post of 3-circuit connector is omitted doesn't have polarity, select 3).

B *1 P *2 -VH

*1; No. of circuits (No. of posts)

*2; Circuit No. of used original header

.g.)	Circuit No.	1	2	3	4	5	6	7	
	Circuit (post)	0	0	0	0	0	×	0	
	Model No.	B6P	7-VH			•			

○; With circuit (post) ×; Without circuit (post)

2) When giving the polarity to the product by removing the post in 2nd circuit
However, since the product that the 2nd post of 3-circuit connector is omitted doesn't have polarity, select 3).

B *1 P *2 -VH-L

g.) Circuit No. 1 2 3 4 5 6 7
Circuit (post) ○ × ○ ○ ○ ○ ○
Model No. B6P7-VH-L

3) When the pitch is set again

 When setting two times of pitch with omitting every other one post However, posts shall be inserted in No.1-circuit and No. N-circuit.

B *1 P *2 -VH

e.g.)

Circuit No.	1	2	3	4	5	6	7
Circuit (post)	0	×	0	×	0	×	0
Model No.	B4P	7-VH					

2. When setting three times of pitch with omitting every other two posts However, posts shall be inserted in No.1-circuit and No. N-circuit.

B *1 P *2 -VH

e.g.)

Circuit No.	1	2	3	4	5	6	7
Circuit (post)	0	×	×	0	×	×	0
Model No.	B3P	7-VH					

When setting four times of pitch with omitting every other three posts However, posts shall be inserted in No.1-circuit and No. N-circuit.

B *1 P *2 -VH

e.g.)

Circuit No.	1	2	3	4	5	6	7	8	9
Circuit (post)	0	×	×	×	0	×	×	×	0
Model No.	B3P	9-VH							

单击下面可查看定价,库存,交付和生命周期等信息

>>JST(杰世腾)